TAHVIEH
AIR CONDITIONING SYSTEMS

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ISO 9001
Registered Firm
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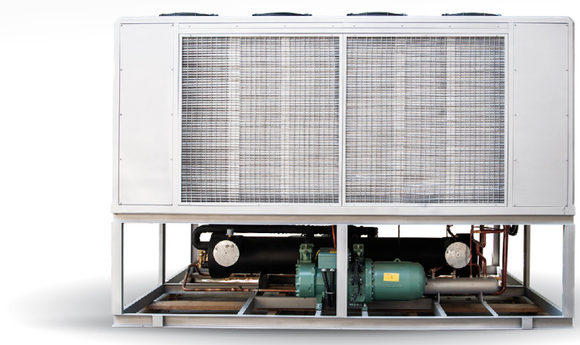


ECO FRIENDLY

# Packaged air cooled screw chiller
# Remote screw chiller
# Air cooled condenser

E06-01-19

# TAHVIEH
AIR CONDITIONING SYSTEMS


www.tahvieh.com

## Tahvieh History and activity

Tahvieh Company was established in 1964 and successfully paved its way in the air conditioning industry by utilizing technology of Air temp & Trane companies. This company later managed to receive manufacturing permit under the license of two U.S. companies of Chrysler and Air temp.

During 80's, Tahvieh started to design and manufacture a new generation of air conditioning system relying on its rich technical knowledge and great capability of its manpower. As one of the largest private companies in designing and manufacturing air conditioning equipment, it has managed to become a pioneer of this industry in Iran.

In 2013, we began the second half-century of our glorious presence in air conditioning industry and in addition to the previous products, Tahvieh initiated manufacturing of new products and by the end of the first half of 2016, we managed to manufacture and supply mini-chillers, various types of split air condition systems (floor standing, wall mounted and ducted), electrical enclosure air condition, precision air condition, ice cream makers and air conditioning systems for automotive and rail industry.

Leadership, the ability to meet all consumer demands in designing and manufacturing of superior quality products and extensive and fast aftersales services have enabled us to become a premium brand in Iran. Unique customer care has been assigned as the main strategy of Tahvieh and this company has always been loyal to its customers.

Tahvieh Co., In 2016 being a member of International Institute of Refrigeration (IIR). Today, Tahvieh, as one of the largest manufacturers of air conditioning systems and as a top brand in Iran, is one of the reliable sources of supplying the strategic and important industries of the country such as oil, gas, petrochemical, refining, power plants, telecommunications, steel making, train & automobiles, healthcare, Development and other industries of the country.

## CONTENTS

## Features

Package Air Cooled chiller or Remote Air Cooled Chiller as remote

50 to 360 nominal tons or more as modular for Air Cooled Chillers

R22 & R134a Refrigerant

Semi-Hermetic Compact Screw Compressors

One circuit, two or more identical refrigerant circuits as modular

PLC or Mini-PLC Controller with Siemens or Carel Brand

Shell & Tube high efficiency Evaporator

High efficiency coil condenser

All equipment can work at range or temperate from 32°C to 54°C

Thermostatic or Electronic Expansion Valves

Tahvieh Air Cooled Chillers assembled Wiring, Tested and charged with refrigerant R22 in 30 to 280 actual tons capacity , refrigerant R134a at non-tropical condition in 30 to 250 actual tons capacity and refrigerant R134a at tropical condition in 30 to 220 actual tons capacity at factory.

Liquid Line has Charging Valve, Solenoid Valve, Filter Dryer, Sight Glass, Humidity Gage and etc.

Air Cooled screw chiller

## Nomenclature

Air Cooled Package Chiller

| Item | Screw Compressor Type Chiller | | Symbol |
|---|---|---|---|
| 1 | Company | Tahvieh | T |
| 2 | Product Group | Water Cooled | W |
| | | Air Cooled (Non-Tropical ) | A |
| | | Air Cooled (Tropical ) | T |
| | | Remote Air Cooled (Non-Tropical ) | R |
| | | Remote Air Cooled (Tropical ) | Y |
| 3 | Production | Chiller | C |
| 4 | No. of Module | - | Number |
| 5 | Refrigerant | R22 | W |
| | | R134a | S |
| 6 | No. of Compressors | - | Number |
| 7 | Evaporator/Condenser Type | Shell & Tube/Coil | L |
| 8 , 9 , 10 | Nominal Compressor Motor Power | HP | XXX |

Example: T-A-C-1-W-1-S-070 → TAC1W1S070

Unit for Remote Air Cooled Chiller

| Item | Screw Compressor Type Chiller | | Symbol |
|---|---|---|---|
| 1 | Company | Tahvieh | T |
| 2 | Production | Condenser Unit | CO |
| 3 | Product Group | Non-Tropical | R |
| | | Tropical | S |
| 4 | No. of Circuit | - | Number |
| 5 | Condenser Coil Type | V Type | V |
| | | W Type | W |
| 6 | No. of Module | - | Number |
| 7 | Refrigerant | R22 | W |
| | | R134a | S |
| 8 , 9 , 10 | Nominal Compressor Motor Power | HP | XXX |

Example: T-C-O-R-1-V-S-070 → TCOR1VS070

## Specification and function of equipment

### Compressor

Compressors are Semi-Hermetic Compact Screw type with integral oil separator. This type of compressors has high-efficiency profile, featuring: further developed geometry, high stiffness, high tip speed and patterned manufacturing process. Also their body is double walled, pressure compensated housing, extremely stable, no expansion even at high pressures.

1- Suction Shut-off Valve

2- Solenoid Valve

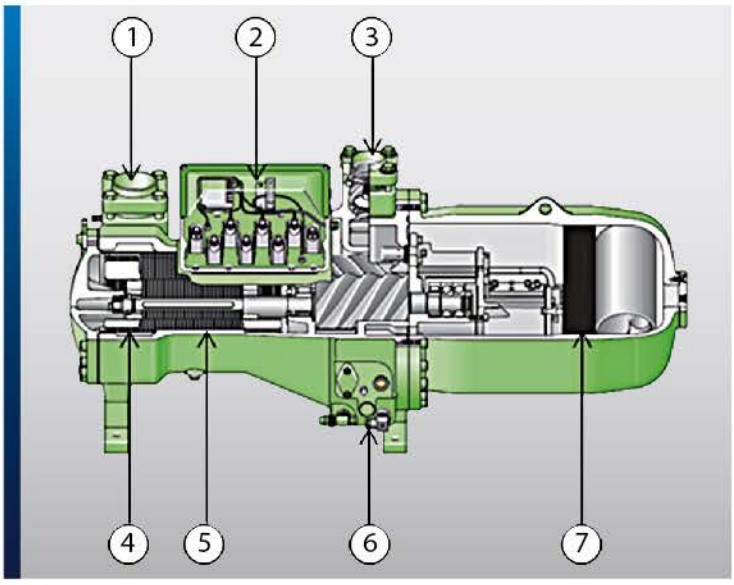
3- Discharge Cut-off Valve

4- Suction Filter net

5- Motor

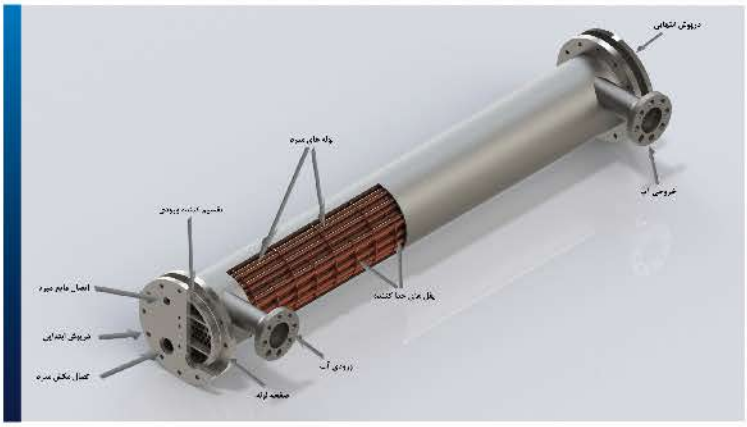
6- Oil Heater

7- Oil Separator Filter net




### Evaporator

Shell & Tube Evaporator is designed with precise engineering software, and they are dry expansion type. The equipment of evaporator



Shell & Tube Evaporator

**Shell** is carbon steel

**Inner grooved tubes** cause to increase the turbulence of refrigerant with high efficiency. And get to decrease the length of evaporator.

**Baffles** are designed to improve the heat exchange between the shell side and tube side and to give bundle structure an adequate mechanical strength.

**Insulation:** Evaporator and suction line are insulated completely with proper insulation to prevent heat gain or sweating.

**Water Connection:** Water inlet and outlet are equipped with weld-neck standard flanges, water drainage and air vent, sockets and anti-freeze and thermostat probes.

**Removable Tube Sheets** are carbon steel alloy ST-52, the tube bundle is fixed to tube sheets by means of mechanical rolling expansion and special mechanical glue for long time heavy duty operation.

## Condenser

Condenser coil is made of Seamless copper tube, staggered pattern, and aluminum or copper fin type. The tube is pressed to Aluminum fin with mechanical matching. Coil circuit is factory leak tested at 470 psig under water. Copper fin or anti-corrosion coating is optional for humidity and corrosive weather.

Air Cooled Condenser

## Electrical and Safety Controls

All Tahvieh Chillers are equipped with friendly designed fault detection and display boards for each circuit. The display unit provides monitoring the operation and fault of components. And also included a control panel consist of a multi-step digital temperature, on/off reset switch, low & high pressure switches, oil pressure switch, voltage, change over switch, thermal and current fuses and other necessary protections. All instrument such as thermal or electronic expansion valve, anti-freeze, flow switch and …are provided from valid brands

Tahvieh Control System has much capability. The display unit provide to monitoring the operation and fault detection of circuit components as follow:

- Smart Temperature Control
- Display faults and record fault Occurrences
- Connect to the Modbus network (Optional)
- Receive Stops Signal and Remote Start
- Get an Interlock signal with the F & G system
- Overvoltage, Voltage drop protection
- Protection against changing the direction of circulation of the compressor
- Protection against compressor coil temperature increase
- Electronic Expansion Valve (Optional)
- Micro process Controller for HVAC systems
- Siemens PLC with LCD display (Optional)
- RETARDANT & HALOGEN FREE Wire and Cable (Optional)
- High pressure indicator
- Low pressure indicator

## Selection Information

Chilled water Quantity is determined by the refrigeration capacity and chilled water or condenser water temperature range 10°F according to following equation:

$$\text{Chilled Water (gpm)} = \frac{\text{Capacity (ton)} \times 24}{\text{Chilled Water Range (°F)}}$$

$$\text{Chilled water range} = 10\ (^{\circ}\text{F})$$

## Selection Procedure

### Example 1:

-Establish Remote Air cooled Chiller and condenser unit requirements

Cooling capacity: 246 KW

Chilled Leaving water: 45°F

Chilled water range: 10°F

Ambient Temperature: 95°F

Refrigerant: R22

Altitude: 4000 ft.

Evaporator Fouling Factor: 0.000044 m2c/w

### Requirements parameter and specification

Select prober chiller and condenser

Consumption power

Chilled water flow

Coefficient of performance (COP)

Chilled water pressure drop

### Answer

Altitude Correction Factor from Table "A" is : a=0.9829 , "a" is evaporator cooling capacity Fouling Correction Factor for evaporator from Table "B" is : b=1 , "b" is evaporator cooling capacity coefficient

Chiller selection:

$$\text{Actual cooling capacity} = \frac{\text{Cooling Capacity}}{(a \times b)} = \frac{(246)}{(0.9829 \times 1)} = (250.3\text{kw})$$

According to actual cooling capacity from package air cooled chillers rating tables, select a chiller model TAC1W1L100 (see page --). This unit has cooling capacity 259.5 KW, Consumption power is 76.3 KW, chilled water flow is 177.1 gpm (40.2 m3/hr) and COP is 3.4

From the water pressure drop charts at the end of catalogue: Chilled water pressure drop is 15.7 ft-H2O

From Nomenclature condenser unit table and the type of condenser coil (V or W) gain the condenser unit name: TRC1W1L100 then From Nomenclature air cooled chiller table and the change of the package chiller symbol to Remote chiller symbol gain the Remote air cooled name: TCOR11VW100

## Example 2:

-Establish Package Air cooled Chiller in non-tropical condition requirements

Cooling capacity: 633 KW (180 ton)

Chilled Leaving water: 44°F

Chilled water range: 10°F

Ambient Temperature: 110°F

Refrigerant: R134a

Altitude: 2000 ft.

Evaporator Fouling Factor: 0.000086 m2c/w

## Requirements parameter and specification

Select prober chiller

Consumption power

Chilled water flow

Coefficient of performance (COP)

Chilled water pressure drop

## Answer

Altitude Correction Factor from Table "A" : a=0.9924 , "a" is evaporator cooling capacity coefficient.

Fouling Correction Factor for evaporator from Table "B": b=0.9760 , "b" is Evaporator cooling capacity coefficient

Chiller selection:

$$\text{Actual cooling capacity} = \frac{\text{Cooling Capacity}}{(a \times b)} = \frac{633}{(0.9924 * 0.9760)} = 653.5 \text{ KW}$$

According to actual cooling capacity from chillers rating tables, select chiller model is TAC2S2L320 (see page --). This unit has cooling capacity 679.7 KW, Consumption power is 217.7 KW, chilled water flow is 463.8 gpm (105.4 m3/hr) and COP is 3.12

From the water pressure drop charts at the end of catalogue: Chilled water pressure drop is 28.7 ft-H2O

Evaporator water pressure drop chart for TAC2S2L320 and TAC1S1L160 is the same, so , for gaining water pressure drop ,you should use water flow of one module chiller 160 or half of water flow of two module chiller 320 (463.8gpm/2=231.9 gpm). This water flow does not exist in the chart, and then you have to gain it from Extraction method.

## Fouling correction factor Tables

Table A: Altitude Correction Factor

| Altitude (feet) | Chilled Water Temperature Drop (°F) | Cooling Capacity Multiplier |
|---|---|---|
| Sea level | 10 | 1 |
| 2000 | | 0.9924 |
| 4000 | | 0.9829 |
| 6000 | | 0.9735 |
| 8000 | | 0.9646 |

Table B: Evaporator Fouling Correction Factor

| Fouling factor ($m^2$c/w) | Chilled Water Temperature Drop (°F) | Cooling Capacity Multiplier |
|---|---|---|
| 0.000018 | 10 | 1.0156 |
| 0.000044 | | 1.0000 |
| 0.000086 | | 0.9760 |
| 0.000132 | | 0.9504 |
| 0.0003 | | 0.8647 |

# Technical Information

## Air Cooled Screw Chillers Specification / R-22 / 1 Circuit / Non Tropical

| Model | | | TAC1W1L050 | TAC1W1L060 | TAC1W1L070 | TAC1W1L080 | TAC1W1L090 | TAC1W1L100 | TAC1W1L110 | TAC1W1L125 | TAC1W1L140 | TAC1W1L160 | TAC1W1L180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | Actual Unit Capacity | RT | 33.3 | 41.5 | 48.4 | 56.3 | 67.1 | 73.4 | 84.5 | 92.2 | 108.1 | 121.4 | 138.8 |
| | | KW | 117.1 | 145.9 | 170.1 | 197.9 | 236.0 | 258.0 | 297.0 | 324.0 | 380.0 | 426.9 | 488.1 |
| | COP | | 3.51 | 3.48 | 3.39 | 3.53 | 3.60 | 3.39 | 3.48 | 3.68 | 3.45 | 3.66 | 3.59 |
| | Number Of Inderpendent Refrigerant Circuits | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Oil Charge (each cycle) | l | 9.5 | 9.5 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 22.0 | 22.0 | 19.0 | 19.0 |
| | Flow Control | | Electronic /Thermostatic Expansion Valve | | | | | | | | | | |
| Electrical Data | Power Supply | | 400,380V/3PH/50Hz | | | | | | | | | | |
| | *Total Power Input | KW | 41.16 | 49.66 | 57.96 | 67.74 | 77.24 | 87.64 | 96.94 | 99.64 | 121.64 | 132.12 | 151.42 |
| Compressor (each cycle) | Compressor Type | | Compact Screw | | | | | | | | | | |
| | Quantity | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Power Input | KW | 33.4 | 41.9 | 50.2 | 56.1 | 65.6 | 76 | 85.3 | 88 | 110 | 116.6 | 135.9 |
| | Rated Current | A | 57.7 | 71.5 | 84.4 | 94.4 | 106.7 | 123.2 | 139 | 148.3 | 182 | 192.2 | 232 |
| | Locked Rotor Ampere | A | 146 | 180 | 190 | 350 | 423 | 479 | 516 | 612 | 665 | 729 | 757 |
| | Max Operating Current | A | 79 | 105 | 128 | 144 | 162 | 170 | 180 | 216 | 246 | 260 | 310 |
| Condenser | Condenser Type | | V | V | V | V | V | V | W | W | W | W | W |
| | Number Of Coils | | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 |
| Fans | Number | | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 |
| | Max Operating Current | A | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| | Power Input | KW | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |

*Total power input is based on power input of compressors and condenser fans.
Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 54/ 44 °F
Evaporator Water Fouling Factor: 0.000044 m²k/w
Ambient Temperature: 95°F (35°C)
Altitude: Sea Level

## Air Cooled Screw Chillers Specification / R-22 / 2 Circuits / Non Tropical

| Model | | | TAC1W2L100 | TAC1W2L120 | TAC1W2L140 | TAC1W2L160 | TAC1W2L180 | TAC1W2L200 | TAC2W2L220 | TAC2W2L250 | TAC2W2L280 | TAC2W2L320 | TAC2W2L360 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | Actual Unit Capacity | RT | 66.1 | 82.8 | 97.1 | 112.0 | 133.2 | 145.2 | 168.9 | 184.3 | 216.2 | 242.8 | 277.6 |
| | | KW | 232.3 | 291.0 | 341.4 | 393.8 | 468.3 | 510.4 | 594.0 | 648.0 | 760.0 | 853.8 | 976.2 |
| | COP | | 3.41 | 3.44 | 3.41 | 3.47 | 3.53 | 3.31 | 3.48 | 3.68 | 3.45 | 3.66 | 3.59 |
| | Number Of Inderpendent Refrigerant Circuits | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Oil Charge (each cycle) | l | 9.5 | 9.5 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 22.0 | 22.0 | 19.0 | 19.0 |
| | Flow Control | | Electronic /Thermostatic Expansion Valve | | | | | | | | | | |
| Electrical Data | Power Supply | | 400,380V/3PH/50Hz | | | | | | | | | | |
| | *Total Power Input | KW | 79.84 | 96.24 | 111.64 | 129.12 | 148.12 | 169.52 | 193.88 | 199.28 | 243.28 | 264.24 | 302.84 |
| Compressor (each cycle) | Compressor Type | | Compact Screw | | | | | | | | | | |
| | Quantity | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Power Input | KW | 34.1 | 42.3 | 50 | 56.8 | 66.3 | 77 | 85.3 | 88 | 110 | 116.6 | 135.9 |
| | Rated Current | A | 58.3 | 71.7 | 84 | 94.9 | 107.8 | 124.6 | 139 | 148.3 | 182 | 192.2 | 232 |
| | Locked Rotor Ampere | A | 146 | 180 | 290 | 350 | 423 | 479 | 516 | 612 | 665 | 729 | 757 |
| | Max Operating Current | A | 79 | 105 | 128 | 144 | 162 | 170 | 180 | 216 | 246 | 260 | 310 |
| Condenser | Condenser Type | | V | W | W | W | W | W | W | W | W | W | W |
| | Number Of Coils | | 2 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 |
| Fans | Number | | 6 | 6 | 6 | 8 | 8 | 8 | 12 | 12 | 12 | 16 | 16 |
| | Max Operating Current | A | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.48 |
| | Power Input | KW | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |

*Total power input is based on power input of compressors and condenser fans.
Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature:54/ 44 °F
Evaporator Water Fouling Factor: 0.000044 m²k/w
Ambient Temperature: 95°F (35°C)
Altitude: Sea Level

## Air Cooled Screw Chillers Specification / R-134a / 1 Circuit / Non Tropical

| Model | | | TAC1S1L050 | TAC1S1L060 | TAC1S1L070 | TAC1S1L080 | TAC1S1L090 | TAC1S1L110 | TAC1S1L125 | TAC1S1L140 | TAC1S1L160 | TAC1S1L180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | Actual Unit Capacity | RT | 32.8 | 38.5 | 44.5 | 54.1 | 61.8 | 73.4 | 81.7 | 92.2 | 108.9 | 125.2 |
| | | KW | 115.2 | 135.2 | 156.4 | 190.3 | 217.3 | 258.1 | 287.1 | 324.0 | 383.0 | 440.1 |
| | COP | | 3.74 | 3.85 | 3.96 | 3.97 | 3.95 | 4.18 | 4.19 | 4.06 | 4.10 | 4.08 |
| | Number Of Inderpendent Refrigerant Circuits | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Oil Charge (each cycle) | l | 15.0 | 15.0 | 15.0 | 22.0 | 22.0 | 22.0 | 19.0 | 19.0 | 30.0 | 30.0 |
| | Flow Control | | Electronic /Thermostatic Expansion Valve | | | | | | | | | |
| Electrical Data | Power Supply | | 400,380V/3PH/50Hz | | | | | | | | | |
| | *Total Power Input | KW | 38.56 | 42.86 | 47.26 | 59.54 | 66.64 | 73.44 | 80.14 | 91.44 | 109.02 | 123.52 |
| Compressor (each cycle) | Compressor Type | | Compact Screw | | | | | | | | | |
| | Quantity | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Power Input | KW | 30.8 | 35.1 | 39.5 | 47.9 | 55 | 61.8 | 68.5 | 79.8 | 93.5 | 108.0 |
| | Rated Current | A | 52.9 | 61.8 | 69 | 76.5 | 90.4 | 106.8 | 120 | 136.5 | 155.2 | 174.8 |
| | Locked Rotor Ampere | A | 206 | 267 | 290 | 394 | 439 | 520 | 612 | 665 | 436 | 465 |
| | Max Operating Current | A | 79 | 98 | 124 | 144 | 155 | 182 | 196 | 214 | 280 | 310 |
| Condenser | Condenser Type | | V | V | V | V | V | W | W | W | W | W |
| | Number Of Coils | | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 |
| Fans | Number | | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 8 | 8 |
| | Max Operating Current | A | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| | Power Input | KW | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |

*Total power input is based on power input of compressors and condenser fans.
Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 54/ 44 °F
Evaporator Water Fouling Factor: 0.000044 m²k/w
Ambient Temperature: 95°F (35°C)
Altitude: Sea Level

## Air Cooled Screw Chillers Specification / R-134a / 2 Circuits / Non Tropical

| Model | | | TAC1S2L100 | TAC1S2L120 | TAC1S2L140 | TAC1S2L160 | TAC1S2L180 | TAC2S2L220 | TAC2S2L250 | TAC2S2L280 | TAC2S2L320 | TAC2S2L360 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | Actual Unit Capacity | RT | 64.7 | 76.6 | 89.4 | 108.0 | 122.3 | 146.8 | 163.3 | 184.3 | 217.9 | 250.3 |
| | | KW | 227.6 | 269.3 | 314.2 | 379.9 | 430.0 | 516.2 | 574.2 | 648.0 | 766.1 | 880.2 |
| | COP | | 3.66 | 3.81 | 3.98 | 3.94 | 3.83 | 4.18 | 4.19 | 4.06 | 4.10 | 4.08 |
| | Number Of Inderpendent Refrigerant Circuits | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Oil Charge (each cycle) | l | 15.0 | 15.0 | 15.0 | 22.0 | 22.0 | 22.0 | 19.0 | 19.0 | 30.0 | 30.0 |
| | Flow Control | | Electronic /Thermostatic Expansion Valve | | | | | | | | | |
| Electrical Data | Power Supply | | 400,380V/3PH/50Hz | | | | | | | | | |
| | *Total Power Input | KW | 73.84 | 82.24 | 90.64 | 111.92 | 127.72 | 146.88 | 160.28 | 182.88 | 218.04 | 247.04 |
| Compressor (each cycle) | Compressor Type | | Compact Screw | | | | | | | | | |
| | Quantity | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Power Input | KW | 31.1 | 35.3 | 39.5 | 48.2 | 56.1 | 61.8 | 68.5 | 79.8 | 93.5 | 108.0 |
| | Rated Current | A | 53.7 | 62.1 | 68.8 | 76.5 | 91.6 | 106.8 | 120 | 136.5 | 155.2 | 174.8 |
| | Locked Rotor Ampere | A | 206 | 267 | 290 | 394 | 439 | 520 | 612 | 665 | 436 | 465 |
| | Max Operating Current | A | 79 | 98 | 124 | 144 | 155 | 182 | 196 | 214 | 280 | 310 |
| Condenser | Condenser Type | | V | W | W | W | W | W | W | W | W | W |
| | Number Of Coils | | 2 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 |
| Fans | Number | | 6 | 6 | 6 | 8 | 8 | 12 | 12 | 12 | 16 | 16 |
| | Max Operating Current | A | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| | Power Input | KW | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |

*Total power input is based on power input of compressors and condenser fans.
Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 54/ 44 °F
Evaporator Water Fouling Factor: 0.000044 m²k/w
Ambient Temperature: 95°F (35°C)
Altitude: Sea Level

## Air Cooled Screw Chillers Specification / R-134a / 1 Circuit / Tropical

| Model | | | TTC1S1L050 | TTC1S1L060 | TTC1S1L070 | TTC1S1L080 | TTC1S1L090 | TTC1S1L110 | TTC1S1L125 | TTC1S1L140 | TTC1S1L160 | TTC1S1L180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | Actual Unit Capacity | RT | 28.5 | 33.5 | 38.3 | 48.7 | 54.5 | 65.4 | 73.7 | 83.0 | 95.0 | 109.0 |
| | | KW | 100.1 | 117.8 | 134.5 | 171.4 | 191.5 | 230.0 | 259.1 | 292.0 | 334.0 | 383.4 |
| | COP | | 2.77 | 2.80 | 2.77 | 3.03 | 2.85 | 3.13 | 3.18 | 3.12 | 2.95 | 2.99 |
| | Number Of Inderpendent Refrigerant Circuits | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Oil Charge (each cycle) | l | 15.0 | 15.0 | 15.0 | 22.0 | 22.0 | 22.0 | 19.0 | 19.0 | 30.0 | 30.0 |
| | Flow Control | | Electronic /Thermostatic Expansion Valve | | | | | | | | | |
| Electrical Data | Power Supply | | 400,380V/3PH/50Hz | | | | | | | | | |
| | *Total Power Input | KW | 43.86 | 49.76 | 56.26 | 68.14 | 78.74 | 85.24 | 97.02 | 109.02 | 128.82 | 143.82 |
| Compressor (each cycle) | Compressor Type | | Compact Screw | | | | | | | | | |
| | Quantity | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Power Input | KW | 36.1 | 42 | 48.5 | 56.5 | 67.1 | 73.6 | 81.5 | 93.5 | 113.3 | 128.3 |
| | Rated Current | A | 52.9 | 71.2 | 81 | 89 | 108.7 | 123.7 | 137.6 | 156.7 | 185.6 | 207 |
| | Locked Rotor Ampere | A | 206 | 267 | 290 | 394 | 439 | 520 | 612 | 665 | 436 | 465 |
| | Max Operating Current | A | 79 | 98 | 124 | 144 | 155 | 182 | 196 | 214 | 280 | 310 |
| Condenser | Condenser Type | | V | V | V | V | V | W | W | W | W | W |
| | Number Of Coils | | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 |
| Fans | Number | | 4 | 4 | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 8 |
| | Max Operating Current | A | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| | Power Input | KW | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |

*Total power input is based on power input of compressors and condenser fans.
Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 54/ 44 °F
Evaporator Water Fouling Factor: 0.000044 m²k/w
Ambient Temperature: 113°F (45°C)
Altitude: Sea Level

## Air Cooled Screw Chillers Specification / R-134a / 2 Circuits / Tropical

| Model | | | TTC1S2L100 | TTC1S2L120 | TTC1S2L140 | TTC1S2L160 | TTC2S2L180 | TTC2S2L220 | TTC2S2L250 | TTC2S2L280 | TTC2S2L320 | TTC2S2L360 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | Actual Unit Capacity | RT | 58.4 | 69.3 | 79.2 | 98.9 | 113.2 | 130.8 | 147.4 | 166.1 | 190.0 | 218.1 |
| | | KW | 205.3 | 243.8 | 278.6 | 347.6 | 397.9 | 459.9 | 518.2 | 584.0 | 668.1 | 766.7 |
| | COP | | 2.92 | 3.01 | 2.99 | 3.14 | 3.13 | 3.12 | 3.18 | 3.12 | 2.95 | 2.99 |
| | Number Of Inderpendent Refrigerant Circuits | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Oil Charge (each cycle) | l | 15.0 | 15.0 | 15.0 | 22.0 | 22.0 | 22.0 | 19.0 | 19.0 | 30.0 | 30.0 |
| | Flow Control | | Electronic /Thermostatic Expansion Valve | | | | | | | | | |
| Electrical Data | Power Supply | | 400,380V/3PH/50Hz | | | | | | | | | |
| | *Total Power Input | KW | 82.04 | 96.52 | 108.72 | 126.12 | 150.48 | 170.48 | 194.04 | 218.04 | 257.64 | 287.64 |
| Compressor (each cycle) | Compressor Type | | Compact Screw | | | | | | | | | |
| | Quantity | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Power Input | KW | 35.2 | 40.5 | 46.6 | 55.3 | 63.6 | 73.6 | 81.5 | 93.5 | 113.3 | 128.3 |
| | Rated Current | A | 60.1 | 69 | 78.4 | 87.4 | 103.4 | 123.7 | 137.6 | 156.7 | 185.6 | 207 |
| | Locked Rotor Ampere | A | 206 | 267 | 290 | 394 | 439 | 520 | 612 | 665 | 436 | 465 |
| | Max Operating Current | A | 79 | 98 | 124 | 144 | 155 | 182 | 196 | 214 | 280 | 310 |
| Condenser | Condenser Type | | W | W | W | W | W | W | W | W | W | W |
| | Number Of Coils | | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |
| Fans | Number | | 6 | 8 | 8 | 8 | 12 | 12 | 16 | 16 | 16 | 16 |
| | Max Operating Current | A | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| | Power Input | KW | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |

*Total power input is based on power input of compressors and condenser fans.
Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 54/ 44 °F
Evaporator Water Fouling Factor: 0.000044 m²k/w
Ambient Temperature: 113°F (45°C)
Altitude: Sea Level

## Rating Capacity in different conditions

### Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 1 Circuit

**TAC1W1L050**

| TAC1W1L050 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 18.3 | 118.2 | 32.4 | 3.64 | 17.7 | 114.4 | 34.0 | 3.36 | 17.1 | 110.6 | 35.6 | 3.10 | 16.6 | 107.0 | 37.3 | 2.87 | 16.1 | 103.5 | 39.2 | 2.64 |
| | | 80.7 | 403298 | | | 78.0 | 390162 | | | 75.5 | 377299 | | | 73.0 | 365220 | | | 70.6 | 353176 | | |
| 44 | | 18.8 | 121.1 | 32.8 | 3.70 | 18.2 | 117.1 | 33.4 | 3.51 | 17.6 | 113.3 | 36.0 | 3.14 | 17.0 | 109.7 | 37.8 | 2.91 | 16.5 | 106.1 | 39.7 | 2.67 |
| | | 82.6 | 413227 | | | 79.9 | 399545 | | | 77.3 | 386716 | | | 74.9 | 374399 | | | 72.4 | 362047 | | |
| 45 | | 19.0 | 122.3 | 32.9 | 3.72 | 18.4 | 118.4 | 34.5 | 3.43 | 17.8 | 114.5 | 36.2 | 3.16 | 17.2 | 110.9 | 37.9 | 2.92 | 16.6 | 107.2 | 39.9 | 2.69 |
| | | 83.5 | 417390 | | | 80.8 | 403913 | | | 78.1 | 390674 | | | 75.7 | 378254 | | | 73.2 | 365801 | | |
| 46 | | 19.0 | 122.7 | 33.0 | 3.72 | 18.4 | 118.8 | 34.6 | 3.44 | 17.8 | 114.9 | 36.3 | 3.17 | 17.3 | 111.2 | 38.0 | 2.93 | 16.7 | 107.6 | 39.9 | 2.69 |
| | | 83.8 | 418789 | | | 81.1 | 405277 | | | 78.4 | 392005 | | | 75.9 | 379551 | | | 73.4 | 367029 | | |

**TAC1W1L060**

| TAC1W1L060 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 22.8 | 147.2 | 40.6 | 3.63 | 22.1 | 142.4 | 41.6 | 3.42 | 21.4 | 137.7 | 44.6 | 3.09 | 20.7 | 133.3 | 46.8 | 2.85 | 20.0 | 128.9 | 49.1 | 2.62 |
| | | 100.4 | 502246 | | | 97.2 | 485903 | | | 94.0 | 469867 | | | 91.0 | 454820 | | | 87.9 | 439704 | | |
| 44 | | 23.4 | 150.8 | 41.0 | 3.68 | 22.6 | 145.9 | 41.9 | 3.48 | 21.9 | 141.2 | 45.1 | 3.13 | 21.2 | 136.6 | 47.3 | 2.89 | 20.5 | 132.1 | 49.7 | 2.66 |
| | | 102.9 | 514564 | | | 99.6 | 497947 | | | 96.3 | 481604 | | | 93.2 | 466216 | | | 90.2 | 450759 | | |
| 45 | | 23.5 | 151.8 | 41.1 | 3.69 | 22.8 | 146.9 | 42.0 | 3.50 | 22.0 | 142.1 | 45.3 | 3.14 | 21.3 | 137.6 | 47.4 | 2.90 | 20.6 | 133.0 | 49.8 | 2.67 |
| | | 103.6 | 518044 | | | 100.3 | 501325 | | | 97.0 | 484913 | | | 93.9 | 469423 | | | 90.8 | 453864 | | |
| 46 | | 23.7 | 152.9 | 41.3 | 3.70 | 22.9 | 147.9 | 42.2 | 3.51 | 22.2 | 143.1 | 45.4 | 3.15 | 21.5 | 138.5 | 47.6 | 2.91 | 20.8 | 133.9 | 50.0 | 2.68 |
| | | 104.3 | 521524 | | | 100.9 | 504737 | | | 97.6 | 488223 | | | 94.5 | 472664 | | | 91.4 | 456969 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 1 Circuit

### TAC1W1L070

| TAC1W1L070 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 26.8 | 172.5 | 48.9 | 3.53 | 25.8 | 166.2 | 49.9 | 3.33 | 24.8 | 159.9 | 53.5 | 2.99 | 23.9 | 153.8 | 55.9 | 2.75 | 22.9 | 147.7 | 58.6 | 2.52 |
| | | 117.7 | 588638 | | | 113.4 | 567006 | | | 109.1 | 545442 | | | 105.0 | 524834 | | | 100.8 | 503816 | | |
| 44 | | 27.4 | 176.6 | 49.4 | 3.58 | 26.4 | 170.1 | 50.2 | 3.39 | 25.4 | 163.7 | 54.0 | 3.03 | 24.4 | 157.5 | 56.4 | 2.79 | 23.4 | 151.2 | 59.1 | 2.56 |
| | | 120.5 | 602593 | | | 116.1 | 580484 | | | 111.7 | 558442 | | | 107.5 | 537356 | | | 103.2 | 515792 | | |
| 45 | | 27.6 | 177.8 | 49.5 | 3.59 | 26.6 | 171.2 | 50.4 | 3.40 | 25.5 | 164.7 | 54.1 | 3.04 | 24.6 | 158.5 | 56.6 | 2.80 | 23.6 | 152.2 | 59.2 | 2.57 |
| | | 121.3 | 606483 | | | 116.9 | 584271 | | | 112.4 | 562093 | | | 108.2 | 540870 | | | 103.8 | 519136 | | |
| 46 | | 27.7 | 178.9 | 49.6 | 3.60 | 26.7 | 172.4 | 50.5 | 3.41 | 25.7 | 165.8 | 54.3 | 3.05 | 24.7 | 159.6 | 56.7 | 2.81 | 23.8 | 153.1 | 59.4 | 2.58 |
| | | 122.1 | 610407 | | | 117.6 | 588092 | | | 113.1 | 565744 | | | 108.9 | 544385 | | | 104.5 | 522514 | | |

### TAC1W1L080

| TAC1W1L080 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 30.8 | 198.9 | 54.8 | 3.63 | 29.7 | 191.2 | 55.6 | 3.44 | 28.5 | 183.6 | 59.7 | 3.08 | 27.4 | 176.4 | 62.2 | 2.83 | 26.2 | 168.9 | 65.1 | 2.59 |
| | | 135.7 | 678544 | | | 130.5 | 652511 | | | 125.3 | 626546 | | | 120.3 | 601740 | | | 115.2 | 576116 | | |
| 44 | | 31.9 | 205.4 | 55.5 | 3.70 | 30.7 | 197.9 | 56.1 | 3.53 | 29.4 | 189.7 | 60.4 | 3.14 | 28.3 | 182.2 | 63.0 | 2.89 | 27.1 | 174.5 | 65.8 | 2.65 |
| | | 140.2 | 700927 | | | 135.0 | 675235 | | | 129.5 | 647325 | | | 124.3 | 621701 | | | 119.1 | 595496 | | |
| 45 | | 32.1 | 206.8 | 55.6 | 3.72 | 30.8 | 198.9 | 56.3 | 3.53 | 29.6 | 191.0 | 60.6 | 3.15 | 28.4 | 183.4 | 63.1 | 2.90 | 27.2 | 175.7 | 66.0 | 2.66 |
| | | 141.1 | 705465 | | | 135.7 | 678476 | | | 130.3 | 651521 | | | 125.2 | 625761 | | | 119.9 | 599386 | | |
| 46 | | 32.3 | 208.1 | 55.8 | 3.73 | 31.0 | 200.1 | 56.5 | 3.54 | 29.8 | 192.2 | 60.7 | 3.16 | 28.6 | 184.6 | 63.3 | 2.92 | 27.4 | 176.8 | 66.1 | 2.67 |
| | | 142.0 | 710003 | | | 136.6 | 682878 | | | 131.2 | 655752 | | | 126.0 | 629821 | | | 120.7 | 603276 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 1 Circuit

**TAC1W1L090**

| TAC1W1L090 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 36.9 | 237.9 | 62.3 | 3.82 | 35.6 | 229.8 | 65.2 | 3.53 | 34.4 | 221.5 | 68.2 | 3.25 | 33.1 | 213.3 | 71.3 | 2.99 | 31.7 | 204.4 | 74.7 | 2.74 |
| | | 162.3 | 811647 | | | 156.8 | 784180 | | | 151.2 | 755826 | | | 145.5 | 727609 | | | 139.5 | 697379 | | |
| 44 | | 37.9 | 244.3 | 62.9 | 3.88 | 36.6 | 236.0 | 65.6 | 3.60 | 35.3 | 227.6 | 68.9 | 3.30 | 34.0 | 219.1 | 72.0 | 3.04 | 32.6 | 210.1 | 75.4 | 2.79 |
| | | 166.7 | 833517 | | | 161.0 | 805232 | | | 155.3 | 776435 | | | 149.5 | 747603 | | | 143.4 | 716793 | | |
| 45 | | 38.1 | 245.8 | 63.1 | 3.90 | 36.8 | 237.5 | 66.0 | 3.60 | 35.5 | 229.0 | 69.1 | 3.31 | 34.2 | 220.5 | 72.2 | 3.06 | 32.8 | 211.4 | 75.6 | 2.80 |
| | | 167.7 | 838738 | | | 162.1 | 810452 | | | 156.3 | 781314 | | | 150.5 | 752380 | | | 144.3 | 721399 | | |
| 46 | | 38.4 | 247.4 | 63.2 | 3.91 | 37.1 | 239.0 | 66.2 | 3.61 | 35.7 | 230.4 | 69.3 | 3.33 | 34.4 | 221.9 | 72.3 | 3.07 | 33.0 | 212.8 | 75.7 | 2.81 |
| | | 168.8 | 843958 | | | 163.1 | 815502 | | | 157.3 | 786261 | | | 151.4 | 757157 | | | 145.2 | 726039 | | |

**TAC1W1L100**

| TAC1W1L100 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 42.2 (108) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 40.5 | 261.1 | 73.1 | 3.57 | 39.1 | 252.1 | 75.8 | 3.33 | 37.7 | 243.2 | 79.9 | 3.04 | 36.6 | 235.8 | 83.8 | 2.82 | 35.9 | 231.3 | 85.9 | 2.69 |
| | | 178.2 | 890873 | | | 172.0 | 860097 | | | 166.0 | 829867 | | | 160.9 | 804618 | | | 157.8 | 789161 | | |
| 44 | | 41.4 | 267.1 | 73.7 | 3.62 | 40.0 | 258.0 | 76.0 | 3.39 | 38.6 | 248.8 | 80.5 | 3.09 | 37.3 | 240.3 | 84.2 | 2.85 | 36.5 | 235.7 | 86.4 | 2.73 |
| | | 182.2 | 911209 | | | 176.0 | 880125 | | | 169.8 | 848906 | | | 164.0 | 819835 | | | 160.8 | 804038 | | |
| 45 | | 41.7 | 268.8 | 73.9 | 3.64 | 40.2 | 259.5 | 76.3 | 3.40 | 38.8 | 250.4 | 80.6 | 3.11 | 37.5 | 241.8 | 84.3 | 2.87 | 36.8 | 237.2 | 86.5 | 2.74 |
| | | 183.4 | 917077 | | | 177.1 | 885482 | | | 170.9 | 854399 | | | 165.0 | 825124 | | | 161.8 | 809190 | | |
| 46 | | 42.0 | 270.5 | 74.0 | 3.65 | 40.5 | 261.2 | 76.5 | 3.41 | 39.1 | 252.0 | 80.8 | 3.12 | 37.7 | 243.4 | 84.5 | 2.88 | 37.0 | 238.7 | 86.6 | 2.75 |
| | | 184.6 | 922980 | | | 178.2 | 891180 | | | 172.0 | 859926 | | | 166.1 | 830447 | | | 162.9 | 814376 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 1 Circuit

**TAC1W1L110**

| TAC1W1L110 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 46.6 | 300.4 | 81.9 | 3.67 | 45.0 | 290.0 | 85.1 | 3.41 | 43.4 | 279.8 | 89.2 | 3.14 | 41.9 | 270.2 | 93.1 | 2.90 | 40.4 | 260.7 | 97.3 | 2.68 |
| | | 205.0 | 1024862 | | | 197.9 | 989309 | | | 190.9 | 954507 | | | 184.4 | 921922 | | | 177.9 | 889474 | | |
| 44 | | 47.7 | 307.5 | 82.6 | 3.72 | 46.1 | 297.0 | 85.3 | 3.48 | 44.4 | 286.4 | 89.8 | 3.19 | 42.9 | 276.6 | 93.6 | 2.95 | 41.4 | 266.9 | 97.9 | 2.73 |
| | | 209.8 | 1049224 | | | 202.6 | 1013228 | | | 195.5 | 977265 | | | 188.8 | 943896 | | | 182.1 | 910560 | | |
| 45 | | 48.0 | 309.5 | 82.8 | 3.74 | 46.3 | 298.8 | 85.8 | 3.48 | 44.7 | 288.3 | 90.0 | 3.20 | 43.2 | 278.5 | 93.8 | 2.97 | 41.7 | 268.6 | 98.0 | 2.74 |
| | | 211.2 | 1056048 | | | 203.9 | 1019506 | | | 196.7 | 983645 | | | 190.0 | 950071 | | | 183.3 | 916497 | | |
| 46 | | 48.3 | 311.5 | 83.0 | 3.75 | 46.6 | 300.7 | 86.0 | 3.50 | 45.0 | 290.2 | 90.2 | 3.22 | 43.5 | 280.3 | 94.0 | 2.98 | 41.9 | 270.4 | 98.2 | 2.75 |
| | | 212.6 | 1062906 | | | 205.2 | 1026125 | | | 198.0 | 990094 | | | 191.2 | 956247 | | | 184.5 | 922468 | | |

**TAC1W1L125**

| TAC1W1L125 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 50.7 | 326.6 | 85.5 | 3.82 | 48.8 | 314.5 | 87.5 | 3.59 | 46.9 | 302.5 | 93.8 | 3.22 | 45.2 | 291.1 | 98.4 | 2.96 | 43.4 | 279.7 | 103.7 | 2.70 |
| | | 222.9 | 1114462 | | | 214.6 | 1073040 | | | 206.4 | 1032062 | | | 198.7 | 993336 | | | 190.9 | 954302 | | |
| 44 | | 52.2 | 336.4 | 86.6 | 3.88 | 50.2 | 324.0 | 88.0 | 3.68 | 48.3 | 311.6 | 94.9 | 3.28 | 46.5 | 299.9 | 99.5 | 3.01 | 44.7 | 288.0 | 104.7 | 2.75 |
| | | 229.6 | 1147865 | | | 221.1 | 1105352 | | | 212.6 | 1063077 | | | 204.6 | 1023122 | | | 196.6 | 982758 | | |
| 45 | | 52.5 | 338.6 | 86.9 | 3.90 | 50.6 | 326.1 | 88.2 | 3.70 | 48.6 | 313.6 | 95.1 | 3.30 | 46.8 | 301.8 | 99.7 | 3.03 | 45.0 | 289.9 | 104.9 | 2.76 |
| | | 231.1 | 1155371 | | | 222.5 | 1112517 | | | 214.0 | 1070071 | | | 206.0 | 1029844 | | | 197.8 | 989173 | | |
| 46 | | 52.9 | 340.8 | 87.1 | 3.91 | 50.9 | 328.2 | 88.5 | 3.71 | 49.0 | 315.7 | 95.4 | 3.31 | 47.1 | 303.8 | 100.0 | 3.04 | 45.3 | 291.8 | 105.2 | 2.77 |
| | | 232.6 | 1162946 | | | 224.0 | 1119784 | | | 215.4 | 1077066 | | | 207.3 | 1036566 | | | 199.1 | 995587 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 1 Circuit

**TAC1W1L140**

| TAC1W1L140 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 59.5 | 383.8 | 108.4 | 3.54 | 57.5 | 370.6 | 109.8 | 3.38 | 55.4 | 357.2 | 117.4 | 3.04 | 53.4 | 344.1 | 122.2 | 2.82 | 51.2 | 330.4 | 127.3 | 2.60 |
| | | 261.9 | 1309526 | | | 252.9 | 1264590 | | | 243.8 | 1218801 | | | 234.8 | 1174035 | | | 225.4 | 1127188 | | |
| 44 | | 60.9 | 392.8 | 109.6 | 3.59 | 58.9 | 380.0 | 110.0 | 3.45 | 56.7 | 365.8 | 118.6 | 3.08 | 54.7 | 352.4 | 123.3 | 2.86 | 52.5 | 338.4 | 128.4 | 2.64 |
| | | 268.1 | 1340268 | | | 259.3 | 1296560 | | | 249.6 | 1247973 | | | 240.5 | 1202389 | | | 230.9 | 1154621 | | |
| 45 | | 61.3 | 395.2 | 109.9 | 3.60 | 59.2 | 381.8 | 110.5 | 3.46 | 57.1 | 368.1 | 118.9 | 3.10 | 55.0 | 354.6 | 123.6 | 2.87 | 52.8 | 340.6 | 128.7 | 2.65 |
| | | 269.7 | 1348559 | | | 260.5 | 1302667 | | | 251.2 | 1255855 | | | 242.0 | 1210032 | | | 232.4 | 1162025 | | |
| 46 | | 61.7 | 397.7 | 110.2 | 3.61 | 59.6 | 384.2 | 110.9 | 3.46 | 57.4 | 370.4 | 119.2 | 3.11 | 55.4 | 356.9 | 123.9 | 2.88 | 53.2 | 342.8 | 129.0 | 2.66 |
| | | 271.4 | 1356918 | | | 262.2 | 1310788 | | | 252.8 | 1263771 | | | 243.5 | 1217709 | | | 233.9 | 1169463 | | |

**TAC1W1L160**

| TAC1W1L160 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 66.8 | 430.9 | 111.0 | 3.88 | 64.6 | 416.7 | 115.9 | 3.59 | 62.4 | 402.1 | 121.1 | 3.32 | 60.1 | 387.8 | 126.5 | 3.07 | 57.8 | 372.8 | 132.3 | 2.82 |
| | | 294.1 | 1470333 | | | 284.3 | 1421678 | | | 274.4 | 1371897 | | | 264.6 | 1323105 | | | 254.4 | 1271959 | | |
| 44 | | 68.5 | 441.4 | 112.3 | 3.93 | 66.2 | 426.9 | 116.6 | 3.66 | 63.9 | 412.1 | 122.4 | 3.37 | 61.7 | 397.6 | 127.7 | 3.11 | 59.3 | 382.3 | 133.6 | 2.86 |
| | | 301.2 | 1506057 | | | 291.3 | 1456685 | | | 281.2 | 1406153 | | | 271.3 | 1356543 | | | 260.9 | 1304476 | | |
| 45 | | 68.9 | 444.2 | 112.6 | 3.94 | 66.6 | 429.7 | 117.1 | 3.67 | 64.3 | 414.8 | 122.8 | 3.38 | 62.1 | 400.2 | 128.1 | 3.12 | 59.7 | 384.9 | 134.0 | 2.87 |
| | | 303.1 | 1515713 | | | 293.2 | 1466136 | | | 283.1 | 1415366 | | | 273.1 | 1365551 | | | 262.7 | 1313279 | | |
| 46 | | 69.3 | 447.1 | 113.0 | 3.96 | 67.1 | 432.5 | 117.5 | 3.68 | 64.8 | 417.5 | 123.1 | 3.39 | 62.5 | 402.9 | 128.4 | 3.14 | 60.1 | 387.5 | 134.3 | 2.88 |
| | | 305.1 | 1525369 | | | 295.1 | 1475622 | | | 284.9 | 1424646 | | | 274.9 | 1374627 | | | 264.4 | 1322082 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 1 Circuit

| TAC1W1L180 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W1L180 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 42.2 (108) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 75.8 | 488.9 | 129.4 | 3.78 | 73.3 | 472.6 | 134.8 | 3.51 | 70.7 | 456.0 | 141.1 | 3.23 | 68.2 | 439.7 | 147.3 | 2.99 | 66.6 | 429.4 | 151.3 | 2.84 |
| | | 333.6 | 1668195 | | | 322.5 | 1612477 | | | 311.1 | 1555736 | | | 300.1 | 1500291 | | | 293.0 | 1464976 | | |
| 44 | | 78.3 | 504.7 | 131.4 | 3.84 | 75.7 | 488.1 | 135.9 | 3.59 | 73.1 | 471.1 | 143.2 | 3.29 | 70.5 | 454.5 | 149.4 | 3.04 | 68.8 | 443.9 | 153.5 | 2.89 |
| | | 344.4 | 1722071 | | | 333.1 | 1665261 | | | 321.5 | 1607325 | | | 310.1 | 1550686 | | | 302.9 | 1514519 | | |
| 45 | | 78.8 | 507.9 | 131.9 | 3.85 | 76.2 | 491.2 | 136.8 | 3.59 | 73.5 | 474.2 | 143.6 | 3.30 | 71.0 | 457.5 | 149.8 | 3.05 | 69.3 | 446.8 | 153.9 | 2.90 |
| | | 346.6 | 1733023 | | | 335.2 | 1675940 | | | 323.6 | 1617800 | | | 312.2 | 1560922 | | | 304.9 | 1524584 | | |
| 46 | | 79.3 | 511.1 | 132.3 | 3.86 | 76.7 | 494.4 | 137.2 | 3.60 | 74.0 | 477.2 | 144.0 | 3.31 | 71.4 | 460.5 | 150.2 | 3.07 | 69.8 | 449.8 | 154.3 | 2.91 |
| | | 348.8 | 1744010 | | | 337.3 | 1686722 | | | 325.7 | 1628309 | | | 314.2 | 1571192 | | | 306.9 | 1534718 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 2 Circuit

**TAC1W2L100**

| TAC1W2L100 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 36.1 | 233.0 | 64.2 | 3.63 | 35.0 | 225.4 | 67.3 | 3.35 | 33.8 | 217.9 | 70.7 | 3.08 | 32.7 | 211.0 | 74.1 | 2.85 | 31.6 | 204.0 | 77.9 | 2.62 |
| | | 159.0 | 794860 | | | 153.8 | 768928 | | | 148.7 | 743543 | | | 144.0 | 719864 | | | 139.2 | 696116 | | |
| 44 | | 37.2 | 240.1 | 65.0 | 3.69 | 36.0 | 232.3 | 68.2 | 3.40 | 34.8 | 224.7 | 71.6 | 3.14 | 33.7 | 217.6 | 75.1 | 2.90 | 32.6 | 210.4 | 78.9 | 2.67 |
| | | 163.8 | 819085 | | | 158.5 | 792608 | | | 153.3 | 766676 | | | 148.5 | 742315 | | | 143.6 | 717885 | | |
| 45 | | 37.5 | 241.7 | 65.2 | 3.71 | 36.3 | 233.9 | 68.4 | 3.42 | 35.1 | 226.2 | 71.8 | 3.15 | 34.0 | 219.1 | 75.3 | 2.91 | 32.9 | 211.8 | 79.2 | 2.68 |
| | | 164.9 | 824612 | | | 159.6 | 797999 | | | 154.4 | 771931 | | | 149.5 | 747433 | | | 144.6 | 722798 | | |
| 46 | | 37.7 | 243.3 | 65.4 | 3.72 | 36.5 | 235.4 | 68.6 | 3.43 | 35.3 | 227.8 | 72.1 | 3.16 | 34.2 | 220.5 | 75.5 | 2.92 | 33.1 | 213.3 | 79.4 | 2.69 |
| | | 166.0 | 830071 | | | 160.7 | 803321 | | | 155.4 | 777117 | | | 150.5 | 752482 | | | 145.5 | 727711 | | |

**TAC1W2L120**

| TAC1W2L120 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 45.3 | 291.8 | 79.6 | 3.67 | 43.8 | 282.4 | 83.5 | 3.38 | 42.4 | 273.1 | 87.6 | 3.12 | 41.0 | 264.4 | 91.8 | 2.88 | 39.6 | 255.6 | 96.5 | 2.65 |
| | | 199.1 | 995690 | | | 192.7 | 963412 | | | 186.3 | 931749 | | | 180.4 | 901996 | | | 174.4 | 872107 | | |
| 44 | | 46.6 | 300.7 | 80.7 | 3.73 | 45.1 | 291.0 | 84.6 | 3.44 | 43.7 | 281.5 | 88.8 | 3.17 | 42.3 | 272.6 | 93.1 | 2.93 | 40.9 | 263.5 | 97.9 | 2.69 |
| | | 205.2 | 1025920 | | | 198.6 | 992960 | | | 192.1 | 960546 | | | 186.0 | 930043 | | | 179.8 | 899198 | | |
| 45 | | 46.9 | 302.7 | 80.9 | 3.74 | 45.4 | 293.0 | 84.9 | 3.45 | 44.0 | 283.4 | 89.1 | 3.18 | 42.6 | 274.4 | 93.4 | 2.94 | 41.2 | 265.3 | 98.2 | 2.70 |
| | | 206.5 | 1032744 | | | 199.9 | 999648 | | | 193.4 | 967029 | | | 187.3 | 936321 | | | 181.1 | 905340 | | |
| 46 | | 47.3 | 304.7 | 81.1 | 3.76 | 45.7 | 294.9 | 85.1 | 3.46 | 44.3 | 285.3 | 89.4 | 3.19 | 42.8 | 276.3 | 93.7 | 2.95 | 41.4 | 267.1 | 98.5 | 2.71 |
| | | 207.9 | 1039568 | | | 201.3 | 1006267 | | | 194.7 | 973580 | | | 188.5 | 942667 | | | 182.3 | 911482 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 2 Circuit

## TAC1W2L140

| TAC1W2L140 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 54.0 | 348.0 | 98.1 | 3.55 | 52.0 | 335.3 | 102.6 | 3.27 | 50.0 | 322.6 | 107.3 | 3.01 | 48.2 | 310.5 | 112.1 | 2.77 | 46.2 | 298.1 | 117.3 | 2.54 |
| | | 237.5 | 1187512 | | | 228.8 | 1144044 | | | 220.2 | 1100779 | | | 211.9 | 1059358 | | | 203.4 | 1017117 | | |
| 44 | | 54.9 | 354.3 | 98.9 | 3.58 | 52.9 | 341.4 | 100.0 | 3.41 | 50.9 | 328.4 | 108.1 | 3.04 | 49.0 | 316.1 | 112.9 | 2.80 | 47.1 | 303.5 | 118.1 | 2.57 |
| | | 241.8 | 1208872 | | | 232.9 | 1164720 | | | 224.1 | 1120637 | | | 215.7 | 1078533 | | | 207.1 | 1035474 | | |
| 45 | | 55.3 | 356.6 | 99.2 | 3.60 | 53.3 | 343.6 | 103.7 | 3.31 | 51.3 | 330.6 | 108.4 | 3.05 | 49.3 | 318.1 | 113.2 | 2.81 | 47.4 | 305.4 | 118.4 | 2.58 |
| | | 243.3 | 1216719 | | | 234.5 | 1172295 | | | 225.6 | 1127939 | | | 217.1 | 1085494 | | | 208.4 | 1042161 | | |
| 46 | | 55.7 | 358.9 | 99.5 | 3.61 | 53.6 | 345.8 | 103.9 | 3.33 | 51.6 | 332.7 | 108.7 | 3.06 | 49.7 | 320.2 | 113.4 | 2.82 | 47.7 | 307.4 | 118.7 | 2.59 |
| | | 244.9 | 1224567 | | | 236.0 | 1179870 | | | 227.0 | 1135241 | | | 218.5 | 1092591 | | | 209.8 | 1048917 | | |

## TAC1W2L160

| TAC1W2L160 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 61.5 | 396.5 | 113.8 | 3.48 | 59.1 | 381.3 | 111.8 | 3.41 | 56.8 | 366.2 | 115.7 | 3.16 | 54.6 | 351.8 | 120.7 | 2.91 | 52.3 | 336.9 | 125.9 | 2.68 |
| | | 270.6 | 1352994 | | | 260.2 | 1300996 | | | 249.9 | 1249406 | | | 240.0 | 1200205 | | | 229.9 | 1149503 | | |
| 44 | | 63.5 | 409.4 | 131.5 | 3.11 | 61.1 | 393.8 | 113.6 | 3.47 | 58.7 | 378.2 | 122.3 | 3.09 | 56.3 | 363.3 | 127.5 | 2.85 | 54.0 | 348.1 | 133.0 | 2.62 |
| | | 279.4 | 1397009 | | | 268.7 | 1343646 | | | 258.1 | 1290350 | | | 247.9 | 1239580 | | | 237.5 | 1187717 | | |
| 45 | | 63.9 | 412.1 | 112.8 | 3.65 | 61.5 | 396.3 | 117.6 | 3.37 | 59.0 | 380.6 | 122.7 | 3.10 | 56.7 | 365.6 | 127.8 | 2.86 | 54.3 | 350.3 | 133.4 | 2.63 |
| | | 281.2 | 1405949 | | | 270.4 | 1352244 | | | 259.7 | 1298675 | | | 249.5 | 1247495 | | | 239.1 | 1195292 | | |
| 46 | | 64.3 | 414.7 | 113.1 | 3.67 | 61.9 | 398.9 | 117.9 | 3.38 | 59.4 | 383.1 | 123.0 | 3.11 | 57.1 | 368.0 | 128.1 | 2.87 | 54.7 | 352.6 | 133.7 | 2.64 |
| | | 283.0 | 1414888 | | | 272.2 | 1360910 | | | 261.4 | 1307001 | | | 251.1 | 1255548 | | | 240.6 | 1202935 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 2 Circuit

**TAC1W2L180**

| TAC1W2L180 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 42.2 (108) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 73.0<br>321.3 | 470.8<br>1606301 | 126.3 | 3.73 | 70.5<br>310.3 | 454.7<br>1551300 | 132.2 | 3.44 | 67.9<br>298.9 | 438.0<br>1494592 | 138.2 | 3.17 | 65.4<br>287.7 | 421.6<br>1438363 | 144.4 | 2.92 | 63.7<br>280.4 | 411.0<br>1402196 | 148.4 | 2.77 |
| 44 | | 75.2<br>330.8 | 484.8<br>1654138 | 127.9 | 3.79 | 72.6<br>319.6 | 468.3<br>1597840 | 132.6 | 3.53 | 70.0<br>308.0 | 451.3<br>1539767 | 139.9 | 3.23 | 67.4<br>296.4 | 434.4<br>1482173 | 146.1 | 2.97 | 65.7<br>289.0 | 423.5<br>1445118 | 150.1 | 2.82 |
| 45 | | 75.7<br>332.9 | 487.8<br>1664305 | 128.3 | 3.80 | 73.1<br>321.5 | 471.2<br>1607734 | 134.1 | 3.51 | 70.4<br>309.9 | 454.1<br>1549389 | 140.2 | 3.24 | 67.8<br>298.3 | 437.1<br>1491522 | 146.4 | 2.98 | 66.1<br>290.9 | 426.2<br>1454263 | 150.5 | 2.83 |
| 46 | | 76.1<br>334.9 | 490.8<br>1674541 | 128.6 | 3.82 | 73.5<br>323.5 | 474.1<br>1617629 | 134.5 | 3.53 | 70.9<br>311.8 | 456.9<br>1559079 | 140.6 | 3.25 | 68.2<br>300.2 | 439.9<br>1500871 | 146.8 | 3.00 | 66.5<br>292.7 | 428.9<br>1463407 | 150.8 | 2.84 |

**TAC1W2L200**

| TAC1W2L200 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 42.2 (108) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 80.1<br>352.5 | 516.6<br>1762503 | 148.6 | 3.48 | 77.4<br>340.4 | 498.8<br>1701974 | 153.6 | 3.25 | 74.7<br>328.5 | 481.5<br>1642742 | 162.3 | 2.97 | 72.2<br>317.5 | 465.2<br>1587331 | 169.8 | 2.74 | 70.8<br>311.4 | 456.4<br>1557237 | 174.3 | 2.62 |
| 44 | | 82.0<br>360.7 | 528.5<br>1803378 | 149.9 | 3.53 | 79.2<br>348.3 | 510.4<br>1741485 | 154.0 | 3.31 | 76.4<br>336.2 | 492.6<br>1680819 | 163.5 | 3.01 | 73.8<br>324.8 | 476.0<br>1623976 | 171.0 | 2.78 | 72.4<br>318.6 | 466.9<br>1593131 | 175.4 | 2.66 |
| 45 | | 82.5<br>363.0 | 531.9<br>1814843 | 150.2 | 3.54 | 79.7<br>350.5 | 513.6<br>1752540 | 156.8 | 3.28 | 76.9<br>338.3 | 495.8<br>1691533 | 163.8 | 3.03 | 74.3<br>326.8 | 479.0<br>1634212 | 171.3 | 2.80 | 72.9<br>320.6 | 469.9<br>1603162 | 175.7 | 2.67 |
| 46 | | 83.0<br>365.3 | 535.3<br>1826375 | 150.6 | 3.56 | 80.2<br>352.7 | 516.9<br>1763663 | 157.1 | 3.29 | 77.4<br>340.5 | 498.9<br>1702315 | 164.2 | 3.04 | 74.8<br>328.9 | 482.0<br>1644584 | 171.6 | 2.81 | 73.3<br>322.7 | 472.8<br>1613330 | 176.0 | 2.69 |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 2 Circuit

**TAC2W2L220**

| TAC2W2L220 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 93.2 | 600.7 | 163.9 | 3.67 | 89.9 | 579.9 | 170.2 | 3.41 | 86.8 | 559.5 | 178.5 | 3.14 | 83.8 | 540.4 | 186.2 | 2.90 | 80.9 | 521.4 | 194.7 | 2.68 |
| | | 409.9 | 2049725 | | | 395.7 | 1978619 | | | 381.8 | 1909014 | | | 368.8 | 1843845 | | | 355.8 | 1778949 | | |
| 44 | | 95.4 | 615.0 | 165.2 | 3.72 | 92.1 | 593.9 | 170.6 | 3.48 | 88.8 | 572.8 | 179.7 | 3.19 | 85.8 | 553.3 | 187.3 | 2.95 | 82.8 | 533.7 | 195.7 | 2.73 |
| | | 419.7 | 2098448 | | | 405.3 | 2026455 | | | 390.9 | 1954530 | | | 377.6 | 1887791 | | | 364.2 | 1821121 | | |
| 45 | | 96.0 | 619.0 | 165.6 | 3.74 | 92.7 | 597.6 | 171.6 | 3.48 | 89.4 | 576.6 | 180.0 | 3.20 | 86.4 | 556.9 | 187.6 | 2.97 | 83.3 | 537.2 | 196.0 | 2.74 |
| | | 422.4 | 2112096 | | | 407.8 | 2039011 | | | 393.5 | 1967291 | | | 380.0 | 1900143 | | | 366.6 | 1832995 | | |
| 46 | | 96.6 | 623.0 | 165.9 | 3.75 | 93.3 | 601.5 | 172.0 | 3.50 | 90.0 | 580.4 | 180.4 | 3.22 | 86.9 | 560.5 | 187.9 | 2.98 | 83.9 | 540.7 | 196.3 | 2.75 |
| | | 425.2 | 2125812 | | | 410.4 | 2052250 | | | 396.0 | 1980188 | | | 382.5 | 1912494 | | | 369.0 | 1844937 | | |

**TAC2W2L250**

| TAC2W2L250 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE-m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 101.3 | 653.3 | 171.0 | 3.82 | 97.5 | 629.0 | 175.0 | 3.59 | 93.8 | 605.0 | 187.6 | 3.22 | 90.3 | 582.3 | 196.9 | 2.96 | 86.8 | 559.4 | 207.3 | 2.70 |
| | | 445.8 | 2228923 | | | 429.2 | 2146080 | | | 412.8 | 2064124 | | | 397.3 | 1986671 | | | 381.7 | 1908605 | | |
| 44 | | 104.4 | 672.8 | 173.2 | 3.88 | 100.5 | 647.9 | 176.0 | 3.68 | 96.6 | 623.1 | 189.8 | 3.28 | 93.0 | 599.7 | 198.9 | 3.01 | 89.3 | 576.1 | 209.4 | 2.75 |
| | | 459.1 | 2295730 | | | 442.1 | 2210703 | | | 425.2 | 2126154 | | | 409.2 | 2046245 | | | 393.1 | 1965517 | | |
| 45 | | 105.0 | 677.2 | 173.7 | 3.90 | 101.1 | 652.1 | 176.4 | 3.70 | 97.3 | 627.2 | 190.3 | 3.30 | 93.6 | 603.7 | 199.4 | 3.03 | 89.9 | 579.8 | 209.8 | 2.76 |
| | | 462.1 | 2310743 | | | 445.0 | 2225033 | | | 428.0 | 2140143 | | | 411.9 | 2059688 | | | 395.7 | 1978346 | | |
| 46 | | 105.7 | 681.7 | 174.3 | 3.91 | 101.8 | 656.4 | 177.0 | 3.71 | 97.9 | 631.3 | 190.8 | 3.31 | 94.2 | 607.6 | 199.9 | 3.04 | 90.5 | 583.6 | 210.3 | 2.77 |
| | | 465.2 | 2325892 | | | 447.9 | 2239569 | | | 430.8 | 2154132 | | | 414.6 | 2073131 | | | 398.2 | 1991175 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 2 Circuit

**TAC2W2L280**

| TAC2W2L280 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 119.0 | 767.6 | 216.8 | 3.54 | 115.0 | 741.3 | 219.6 | 3.38 | 110.8 | 714.4 | 234.8 | 3.04 | 106.7 | 688.2 | 244.3 | 2.82 | 102.5 | 660.7 | 254.5 | 2.60 |
| | | 523.8 | 2619051 | | | 505.8 | 2529179 | | | 487.5 | 2437601 | | | 469.6 | 2348070 | | | 450.9 | 2254377 | | |
| 44 | | 121.8 | 785.6 | 219.1 | 3.59 | 117.9 | 760.0 | 220.0 | 3.45 | 113.5 | 731.5 | 237.1 | 3.08 | 109.3 | 704.8 | 246.6 | 2.86 | 105.0 | 676.8 | 256.8 | 2.64 |
| | | 536.1 | 2680535 | | | 518.6 | 2593120 | | | 499.2 | 2495946 | | | 481.0 | 2404778 | | | 461.8 | 2309242 | | |
| 45 | | 122.6 | 790.5 | 219.8 | 3.60 | 118.4 | 763.6 | 221.0 | 3.46 | 114.2 | 736.1 | 237.8 | 3.10 | 110.0 | 709.3 | 247.2 | 2.87 | 105.6 | 681.1 | 257.4 | 2.65 |
| | | 539.4 | 2697118 | | | 521.1 | 2605335 | | | 502.3 | 2511710 | | | 484.0 | 2420063 | | | 464.8 | 2324050 | | |
| 46 | | 123.4 | 795.4 | 220.4 | 3.61 | 119.2 | 768.3 | 221.8 | 3.46 | 114.9 | 740.8 | 238.4 | 3.11 | 110.7 | 713.8 | 247.8 | 2.88 | 106.3 | 685.5 | 258.0 | 2.66 |
| | | 542.8 | 2713837 | | | 524.3 | 2621576 | | | 505.5 | 2527541 | | | 487.1 | 2435417 | | | 467.8 | 2338926 | | |

**TAC2W2L320**

| TAC2W2L320 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 133.7 | 861.9 | 222.0 | 3.88 | 129.2 | 833.3 | 231.9 | 3.59 | 124.7 | 804.2 | 242.3 | 3.32 | 120.3 | 775.6 | 252.9 | 3.07 | 115.6 | 745.6 | 264.6 | 2.82 |
| | | 588.1 | 2940666 | | | 568.7 | 2843356 | | | 548.8 | 2743794 | | | 529.2 | 2646211 | | | 508.8 | 2543919 | | |
| 44 | | 136.9 | 882.8 | 224.6 | 3.93 | 132.4 | 853.9 | 233.2 | 3.66 | 127.8 | 824.2 | 244.8 | 3.37 | 123.3 | 795.2 | 255.5 | 3.11 | 118.6 | 764.6 | 267.2 | 2.86 |
| | | 602.4 | 3012114 | | | 582.7 | 2913370 | | | 562.5 | 2812307 | | | 542.6 | 2713086 | | | 521.8 | 2608952 | | |
| 45 | | 137.8 | 888.5 | 225.2 | 3.94 | 133.3 | 859.4 | 234.2 | 3.67 | 128.7 | 829.6 | 245.5 | 3.38 | 124.1 | 800.4 | 256.2 | 3.12 | 119.4 | 769.8 | 267.9 | 2.87 |
| | | 606.3 | 3031426 | | | 586.5 | 2932273 | | | 566.1 | 2830732 | | | 546.2 | 2731101 | | | 525.3 | 2626558 | | |
| 46 | | 138.7 | 894.1 | 225.9 | 3.96 | 134.1 | 865.0 | 235.0 | 3.68 | 129.5 | 835.1 | 246.3 | 3.39 | 125.0 | 805.8 | 256.9 | 3.14 | 120.2 | 775.0 | 268.6 | 2.88 |
| | | 610.1 | 3050737 | | | 590.2 | 2951244 | | | 569.9 | 2849293 | | | 549.9 | 2749253 | | | 528.8 | 2644164 | | |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-22 / Non Tropical / 2 Circuit

**TAC2W2L360**

| TAC2W2L360 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 42.2 (108) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 151.7<br>667.3 | 977.8<br>3336390 | 258.8 | 3.78 | 146.6<br>645.0 | 945.2<br>3224954 | 269.6 | 3.51 | 141.4<br>622.3 | 911.9<br>3111471 | 282.2 | 3.23 | 136.4<br>600.1 | 879.4<br>3000581 | 294.6 | 2.99 | 133.2<br>586.0 | 858.7<br>2929953 | 302.7 | 2.84 |
| 44 | | 156.6<br>688.8 | 1009.4<br>3444141 | 262.9 | 3.84 | 151.4<br>666.1 | 976.1<br>3330521 | 271.8 | 3.59 | 146.1<br>642.9 | 942.2<br>3214650 | 286.4 | 3.29 | 141.0<br>620.3 | 909.0<br>3101372 | 298.7 | 3.04 | 137.7<br>605.8 | 887.8<br>3029037 | 306.9 | 2.89 |
| 45 | | 157.5<br>693.2 | 1015.8<br>3466046 | 263.7 | 3.85 | 152.4<br>670.4 | 982.4<br>3351881 | 273.6 | 3.59 | 147.1<br>647.1 | 948.3<br>3235600 | 287.2 | 3.30 | 141.9<br>624.4 | 915.0<br>3121844 | 299.6 | 3.05 | 138.6<br>609.8 | 893.7<br>3049168 | 307.8 | 2.90 |
| 46 | | 158.5<br>697.6 | 1022.3<br>3488019 | 264.5 | 3.86 | 153.3<br>674.7 | 988.7<br>3373444 | 274.4 | 3.60 | 148.0<br>651.3 | 954.5<br>3256618 | 288.1 | 3.31 | 142.8<br>628.5 | 921.0<br>3142384 | 300.4 | 3.07 | 139.5<br>613.9 | 899.6<br>3069435 | 308.6 | 2.91 |

Refrigerant: R-22
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 1 Circuit

**TAC1S1L050**

| TAC1S1L050 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 18.1<br>79.8 | 116.9<br>398999 | 29.8 | 3.92 | 17.4<br>76.6 | 112.3<br>383202 | 30.7 | 3.66 | 16.7<br>73.5 | 107.7<br>367302 | 32.7 | 3.29 | 16.0<br>70.4 | 103.1<br>351880 | 34.3 | 3.01 | 15.3<br>67.2 | 98.4<br>335891 | 36.0 | 2.73 |
| 44 | | 18.6<br>81.8 | 119.9<br>409235 | 30.2 | 3.98 | 17.9<br>78.6 | 115.2<br>393131 | 30.8 | 3.74 | 17.1<br>75.4 | 110.5<br>376855 | 33.1 | 3.34 | 16.4<br>72.2 | 105.8<br>361126 | 34.6 | 3.06 | 15.7<br>69.0 | 101.1<br>344783 | 36.3 | 2.78 |
| 45 | | 18.8<br>82.8 | 121.4<br>414046 | 30.3 | 4.01 | 18.1<br>79.6 | 116.6<br>397771 | 31.7 | 3.68 | 17.3<br>76.3 | 111.8<br>381359 | 33.2 | 3.37 | 16.6<br>73.1 | 107.1<br>365425 | 34.8 | 3.08 | 15.9<br>69.8 | 102.3<br>348911 | 36.5 | 2.80 |
| 46 | | 18.9<br>83.1 | 121.8<br>415650 | 30.3 | 4.01 | 18.2<br>79.9 | 117.0<br>399306 | 31.7 | 3.69 | 17.4<br>76.6 | 112.2<br>382826 | 33.2 | 3.37 | 16.7<br>73.4 | 107.5<br>366892 | 34.8 | 3.09 | 15.9<br>70.1 | 102.7<br>350310 | 36.5 | 2.81 |

**TAC1S1L060**

| TAC1S1L060 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 21.2<br>93.3 | 136.8<br>466659 | 34.3 | 3.98 | 20.4<br>89.7 | 131.4<br>448473 | 36.0 | 3.66 | 19.5<br>86.0 | 126.1<br>430083 | 37.7 | 3.34 | 18.7<br>82.4 | 120.8<br>412238 | 39.5 | 3.06 | 17.9<br>78.7 | 115.4<br>393677 | 41.5 | 2.78 |
| 44 | | 21.8<br>96.0 | 140.7<br>479932 | 34.7 | 4.05 | 21.0<br>92.3 | 135.2<br>461337 | 35.1 | 3.85 | 20.1<br>88.5 | 129.7<br>442536 | 38.1 | 3.41 | 19.3<br>84.8 | 124.3<br>424248 | 39.9 | 3.12 | 18.4<br>81.0 | 118.8<br>405209 | 41.9 | 2.84 |
| 45 | | 22.0<br>96.7 | 141.8<br>483651 | 34.8 | 4.07 | 21.1<br>93.0 | 136.3<br>464953 | 36.4 | 3.74 | 20.3<br>89.2 | 130.7<br>446017 | 38.2 | 3.42 | 19.4<br>85.5 | 125.3<br>427626 | 40.0 | 3.13 | 18.6<br>81.7 | 119.7<br>408485 | 42.0 | 2.85 |
| 46 | | 22.2<br>97.5 | 142.9<br>487404 | 34.9 | 4.09 | 21.3<br>93.7 | 137.3<br>468604 | 36.6 | 3.76 | 20.4<br>89.9 | 131.8<br>449531 | 38.3 | 3.44 | 19.6<br>86.2 | 126.3<br>431004 | 40.1 | 3.15 | 18.7<br>82.3 | 120.7<br>411726 | 42.1 | 2.87 |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 1 Circuit

### TAC1S1L070

| TAC1S1L070 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 24.6 | 158.7 | 38.5 | 4.12 | 23.7 | 152.5 | 40.3 | 3.78 | 22.7 | 146.3 | 42.3 | 3.46 | 21.8 | 140.3 | 44.4 | 3.16 | 20.8 | 134.0 | 46.6 | 2.87 |
| | | 108.3 | 541348 | | | 104.1 | 520330 | | | 99.8 | 499107 | | | 95.7 | 478533 | | | 91.4 | 457140 | | |
| 44 | | 25.2 | 162.7 | 38.9 | 4.18 | 24.3 | 156.4 | 39.5 | 3.96 | 23.3 | 150.1 | 42.7 | 3.51 | 22.3 | 143.9 | 44.8 | 3.22 | 21.3 | 137.5 | 47.0 | 2.92 |
| | | 111.0 | 555201 | | | 106.7 | 533705 | | | 102.4 | 512039 | | | 98.2 | 490987 | | | 93.8 | 469150 | | |
| 45 | | 25.4 | 164.0 | 39.0 | 4.20 | 24.4 | 157.6 | 40.9 | 3.86 | 23.5 | 151.2 | 42.8 | 3.53 | 22.5 | 145.0 | 44.9 | 3.23 | 21.5 | 138.6 | 47.1 | 2.94 |
| | | 111.9 | 559500 | | | 107.6 | 537868 | | | 103.2 | 516031 | | | 99.0 | 494876 | | | 94.6 | 472869 | | |
| 46 | | 25.6 | 165.2 | 39.1 | 4.22 | 24.6 | 158.9 | 41.0 | 3.88 | 23.6 | 152.4 | 43.0 | 3.55 | 22.7 | 146.2 | 45.0 | 3.25 | 21.7 | 139.7 | 47.3 | 2.96 |
| | | 112.8 | 563799 | | | 108.4 | 542064 | | | 104.0 | 520091 | | | 99.8 | 498766 | | | 95.3 | 476622 | | |

### TAC1S1L080

| TAC1S1L080 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 29.8 | 192.1 | 47.0 | 4.08 | 28.8 | 185.5 | 49.3 | 3.76 | 27.7 | 178.8 | 51.8 | 3.45 | 26.7 | 172.3 | 54.4 | 3.17 | 25.7 | 165.4 | 57.4 | 2.88 |
| | | 131.1 | 655513 | | | 126.6 | 632858 | | | 122.0 | 609963 | | | 117.6 | 587751 | | | 112.9 | 564311 | | |
| 44 | | 30.6 | 197.0 | 47.5 | 4.15 | 29.5 | 190.3 | 47.9 | 3.97 | 28.4 | 183.4 | 52.3 | 3.51 | 27.4 | 176.7 | 54.9 | 3.22 | 26.3 | 169.8 | 57.8 | 2.94 |
| | | 134.4 | 672130 | | | 129.9 | 649304 | | | 125.1 | 625693 | | | 120.6 | 603037 | | | 115.9 | 579460 | | |
| 45 | | 30.8 | 198.5 | 47.6 | 4.17 | 29.7 | 191.7 | 49.9 | 3.84 | 28.7 | 184.8 | 52.4 | 3.53 | 27.6 | 178.1 | 55.0 | 3.24 | 26.5 | 171.2 | 58.0 | 2.95 |
| | | 135.5 | 677282 | | | 130.8 | 654046 | | | 126.1 | 630572 | | | 121.6 | 607814 | | | 116.8 | 584066 | | |
| 46 | | 31.0 | 200.0 | 47.8 | 4.19 | 30.0 | 193.2 | 50.1 | 3.86 | 28.9 | 186.3 | 52.6 | 3.54 | 27.8 | 179.5 | 55.2 | 3.25 | 26.8 | 172.5 | 58.1 | 2.97 |
| | | 136.5 | 682468 | | | 131.8 | 659096 | | | 127.1 | 635519 | | | 122.5 | 612590 | | | 117.7 | 588706 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 1 Circuit

### TAC1S1L090

| TAC1S1L090 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 33.7<br>148.3 | 217.3<br>741496 | 52.1 | 4.17 | 32.6<br>143.2 | 209.9<br>716111 | 54.8 | 3.83 | 31.4<br>138.1 | 202.4<br>690418 | 57.7 | 3.51 | 30.2<br>133.1 | 195.0<br>665408 | 60.7 | 3.22 | 29.1<br>127.9 | 187.4<br>639409 | 64.0 | 2.93 |
| 44 | | 34.9<br>153.5 | 224.9<br>767359 | 52.8 | 4.26 | 33.7<br>148.3 | 217.3<br>741359 | 55.0 | 3.95 | 32.5<br>143.0 | 209.6<br>714985 | 58.3 | 3.59 | 31.3<br>137.9 | 202.0<br>689360 | 61.3 | 3.29 | 30.1<br>132.5 | 194.2<br>662610 | 64.7 | 3.00 |
| 45 | | 35.1<br>154.6 | 226.6<br>773193 | 52.9 | 4.28 | 34.0<br>149.4 | 218.9<br>747023 | 55.6 | 3.94 | 32.8<br>144.1 | 211.2<br>720546 | 58.5 | 3.61 | 31.6<br>139.0 | 203.6<br>694751 | 61.5 | 3.31 | 30.4<br>133.6 | 195.7<br>667831 | 64.9 | 3.02 |
| 46 | | 35.4<br>155.8 | 228.3<br>779062 | 53.1 | 4.30 | 34.2<br>150.6 | 220.6<br>752755 | 55.8 | 3.96 | 33.0<br>145.2 | 212.8<br>726108 | 58.6 | 3.63 | 31.8<br>140.0 | 205.2<br>700177 | 61.7 | 3.33 | 30.6<br>134.6 | 197.3<br>673119 | 65.0 | 3.03 |

### TAC1S1L110

| TAC1S1L110 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 40.1<br>176.4 | 258.5<br>882036 | 58.8 | 4.40 | 38.7<br>170.2 | 249.4<br>850987 | 61.8 | 4.04 | 37.2<br>163.9 | 240.1<br>819324 | 65.0 | 3.70 | 35.8<br>157.7 | 231.1<br>788479 | 68.3 | 3.38 | 34.4<br>151.3 | 221.7<br>756304 | 72.0 | 3.08 |
| 44 | | 41.5<br>182.5 | 267.5<br>912539 | 59.5 | 4.49 | 40.0<br>176.1 | 258.1<br>880603 | 61.8 | 4.18 | 38.5<br>169.6 | 248.5<br>847984 | 65.7 | 3.78 | 37.1<br>163.2 | 239.2<br>816185 | 69.1 | 3.46 | 35.6<br>156.6 | 229.5<br>782986 | 72.8 | 3.15 |
| 45 | | 41.8<br>183.9 | 269.5<br>919432 | 59.7 | 4.51 | 40.3<br>177.5 | 260.0<br>887256 | 62.7 | 4.15 | 38.8<br>170.9 | 250.4<br>854433 | 65.9 | 3.80 | 37.4<br>164.5 | 241.0<br>822394 | 69.2 | 3.48 | 35.9<br>157.8 | 231.2<br>788991 | 73.0 | 3.17 |
| 46 | | 42.1<br>185.3 | 271.5<br>926324 | 59.9 | 4.54 | 40.6<br>178.8 | 262.0<br>893978 | 62.8 | 4.17 | 39.1<br>172.2 | 252.3<br>860916 | 66.1 | 3.82 | 37.7<br>165.7 | 242.9<br>828672 | 69.4 | 3.50 | 36.1<br>159.0 | 233.0<br>795030 | 73.2 | 3.18 |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 1 Circuit

### TAC1S1L125

| TAC1S1L125 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 44.7 | 288.3 | 66.7 | 4.32 | 43.1 | 278.2 | 70.0 | 3.98 | 41.6 | 268.0 | 73.6 | 3.64 | 40.0 | 258.2 | 77.2 | 3.34 | 38.4 | 247.9 | 81.4 | 3.05 |
| | | 196.7 | 983714 | | | 189.9 | 949253 | | | 182.9 | 914484 | | | 176.2 | 880842 | | | 169.2 | 845869 | | |
| 44 | | 46.1 | 297.5 | 67.5 | 4.41 | 44.5 | 287.1 | 68.5 | 4.19 | 42.9 | 276.7 | 74.4 | 3.72 | 41.3 | 266.5 | 78.1 | 3.41 | 39.7 | 256.0 | 82.2 | 3.11 |
| | | 203.0 | 1014968 | | | 195.9 | 979619 | | | 188.8 | 943930 | | | 181.9 | 909332 | | | 174.7 | 873438 | | |
| 45 | | 46.5 | 299.7 | 67.7 | 4.43 | 44.9 | 289.3 | 71.0 | 4.07 | 43.2 | 278.8 | 74.6 | 3.74 | 41.6 | 268.6 | 78.3 | 3.43 | 40.0 | 258.0 | 82.5 | 3.13 |
| | | 204.5 | 1022611 | | | 197.4 | 987023 | | | 190.2 | 951129 | | | 183.3 | 916293 | | | 176.0 | 880160 | | |
| 46 | | 46.8 | 302.0 | 67.9 | 4.45 | 45.2 | 291.5 | 71.2 | 4.09 | 43.6 | 280.9 | 74.8 | 3.76 | 42.0 | 270.6 | 78.5 | 3.45 | 40.3 | 259.9 | 82.7 | 3.14 |
| | | 206.1 | 1030288 | | | 198.9 | 994462 | | | 191.7 | 958363 | | | 184.7 | 923287 | | | 177.4 | 886915 | | |

### TAC1S1L140

| TAC1S1L140 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 50.7 | 327.0 | 78.2 | 4.18 | 48.9 | 315.3 | 82.0 | 3.85 | 47.1 | 303.6 | 86.1 | 3.53 | 45.3 | 292.3 | 90.4 | 3.24 | 43.5 | 280.6 | 95.2 | 2.95 |
| | | 223.1 | 1115553 | | | 215.2 | 1075872 | | | 207.2 | 1035986 | | | 199.5 | 997430 | | | 191.5 | 957407 | | |
| 44 | | 52.1 | 335.9 | 79.1 | 4.25 | 50.2 | 324.0 | 79.8 | 4.06 | 48.4 | 312.0 | 87.0 | 3.59 | 46.6 | 300.5 | 91.3 | 3.29 | 44.7 | 288.4 | 96.1 | 3.00 |
| | | 229.2 | 1146023 | | | 221.1 | 1105420 | | | 212.9 | 1064612 | | | 205.0 | 1025135 | | | 196.8 | 984157 | | |
| 45 | | 52.5 | 338.4 | 79.3 | 4.27 | 50.6 | 326.4 | 83.1 | 3.93 | 48.8 | 314.4 | 87.2 | 3.60 | 47.0 | 302.7 | 91.5 | 3.31 | 45.1 | 290.7 | 96.3 | 3.02 |
| | | 230.9 | 1154587 | | | 222.7 | 1113711 | | | 214.5 | 1072630 | | | 206.6 | 1032915 | | | 198.3 | 991698 | | |
| 46 | | 52.9 | 340.9 | 79.5 | 4.29 | 51.0 | 328.9 | 83.3 | 3.95 | 49.1 | 316.7 | 87.5 | 3.62 | 47.3 | 305.0 | 91.8 | 3.32 | 45.4 | 292.9 | 96.6 | 3.03 |
| | | 232.6 | 1163185 | | | 224.4 | 1122070 | | | 216.1 | 1080717 | | | 208.1 | 1040728 | | | 199.9 | 999272 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 1 Circuit

**TAC1S1L160**

| TAC1S1L160 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 59.4 | 382.7 | 88.3 | 4.33 | 57.2 | 368.9 | 92.7 | 3.98 | 55.0 | 354.9 | 97.4 | 3.64 | 52.9 | 341.3 | 102.3 | 3.34 | 50.7 | 327.1 | 107.6 | 3.04 |
| | | 261.1 | 1305704 | | | 251.8 | 1258789 | | | 242.2 | 1211021 | | | 232.9 | 1164516 | | | 223.2 | 1115895 | | |
| 44 | | 61.6 | 397.2 | 89.4 | 4.44 | 59.4 | 383.0 | 93.5 | 4.10 | 57.2 | 368.6 | 98.6 | 3.74 | 55.0 | 354.5 | 103.5 | 3.43 | 52.7 | 339.8 | 108.8 | 3.12 |
| | | 271.0 | 1355178 | | | 261.4 | 1306898 | | | 251.5 | 1257731 | | | 241.9 | 1209690 | | | 231.9 | 1159534 | | |
| 45 | | 62.1 | 400.1 | 89.6 | 4.46 | 59.8 | 385.9 | 94.0 | 4.10 | 57.6 | 371.4 | 98.8 | 3.76 | 55.4 | 357.2 | 103.7 | 3.44 | 53.1 | 342.4 | 109.1 | 3.14 |
| | | 273.0 | 1365209 | | | 263.3 | 1316657 | | | 253.4 | 1267217 | | | 243.8 | 1218869 | | | 233.7 | 1168405 | | |
| 46 | | 62.5 | 403.1 | 89.9 | 4.49 | 60.3 | 388.8 | 94.3 | 4.12 | 58.0 | 374.2 | 99.0 | 3.78 | 55.8 | 359.9 | 103.9 | 3.46 | 53.5 | 345.1 | 109.3 | 3.16 |
| | | 275.1 | 1375309 | | | 265.3 | 1326449 | | | 255.3 | 1276702 | | | 245.6 | 1228081 | | | 235.5 | 1177311 | | |

**TAC1S1L180**

| TAC1S1L180 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 69.0 | 444.6 | 103.7 | 4.29 | 66.5 | 429.1 | 108.3 | 3.96 | 64.1 | 413.3 | 113.2 | 3.65 | 61.7 | 397.9 | 118.3 | 3.36 | 59.2 | 381.7 | 123.9 | 3.08 |
| | | 303.4 | 1516907 | | | 292.8 | 1464021 | | | 282.0 | 1410180 | | | 271.5 | 1357567 | | | 260.5 | 1302429 | | |
| 44 | | 70.7 | 456.0 | 104.7 | 4.36 | 68.3 | 440.1 | 108.0 | 4.08 | 65.8 | 424.0 | 114.2 | 3.71 | 63.3 | 408.2 | 119.3 | 3.42 | 60.7 | 391.6 | 124.9 | 3.14 |
| | | 311.2 | 1555940 | | | 300.3 | 1501724 | | | 289.3 | 1446517 | | | 278.5 | 1392642 | | | 267.2 | 1336173 | | |
| 45 | | 71.3 | 459.4 | 105.0 | 4.38 | 68.8 | 443.4 | 109.6 | 4.04 | 66.2 | 427.1 | 114.5 | 3.73 | 63.8 | 411.2 | 119.6 | 3.44 | 61.2 | 394.6 | 125.2 | 3.15 |
| | | 313.5 | 1567575 | | | 302.6 | 1512915 | | | 291.5 | 1457299 | | | 280.6 | 1403049 | | | 269.2 | 1346205 | | |
| 46 | | 71.8 | 462.9 | 105.3 | 4.40 | 69.3 | 446.7 | 109.9 | 4.06 | 66.7 | 430.3 | 114.9 | 3.75 | 64.3 | 414.3 | 119.9 | 3.46 | 61.6 | 397.5 | 125.5 | 3.17 |
| | | 315.8 | 1579244 | | | 304.8 | 1524209 | | | 293.6 | 1468184 | | | 282.7 | 1413523 | | | 271.3 | 1356270 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 2 Circuit

**TAC1S2L100**

| TAC1S2L100 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 35.8<br>157.7 | 231.1<br>788377 | 58.7 | 3.94 | 34.4<br>151.5 | 221.9<br>757259 | 61.5 | 3.61 | 33.0<br>145.2 | 212.7<br>725869 | 64.6 | 3.29 | 31.6<br>139.1 | 203.8<br>695434 | 67.8 | 3.01 | 30.2<br>132.8 | 194.6<br>663873 | 71.3 | 2.73 |
| 44 | | 36.7<br>161.7 | 236.9<br>808439 | 59.2 | 4.00 | 35.3<br>155.3 | 227.6<br>776708 | 62.1 | 3.66 | 33.8<br>148.9 | 218.2<br>744567 | 65.2 | 3.35 | 32.4<br>142.7 | 209.1<br>713517 | 68.4 | 3.06 | 31.0<br>136.3 | 199.7<br>681267 | 71.9 | 2.78 |
| 45 | | 37.2<br>163.6 | 239.7<br>817788 | 59.5 | 4.03 | 35.7<br>157.1 | 230.3<br>785715 | 62.4 | 3.69 | 34.2<br>150.7 | 220.8<br>753370 | 65.5 | 3.37 | 32.8<br>144.4 | 211.6<br>721979 | 68.6 | 3.08 | 31.3<br>137.9 | 202.0<br>689360 | 72.1 | 2.80 |
| 46 | | 37.3<br>164.2 | 240.6<br>820927 | 59.6 | 4.04 | 35.9<br>157.8 | 231.2<br>788786 | 62.5 | 3.70 | 34.4<br>151.3 | 221.7<br>756304 | 65.6 | 3.38 | 32.9<br>145.0 | 212.4<br>724777 | 68.7 | 3.09 | 31.5<br>138.4 | 202.8<br>692090 | 72.2 | 2.81 |

**TAC1S2L120**

| TAC1S2L120 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 42.2<br>185.8 | 272.3<br>929156 | 66.7 | 4.08 | 40.6<br>178.7 | 261.8<br>893398 | 70.0 | 3.74 | 39.0<br>171.4 | 251.2<br>857231 | 73.5 | 3.42 | 37.4<br>164.4 | 240.9<br>822019 | 77.1 | 3.12 | 35.7<br>157.1 | 230.2<br>785511 | 81.1 | 2.84 |
| 44 | | 43.4<br>191.0 | 280.0<br>955224 | 67.5 | 4.15 | 41.8<br>183.7 | 269.3<br>918715 | 70.7 | 3.81 | 40.1<br>176.3 | 258.4<br>881661 | 74.2 | 3.48 | 38.4<br>169.1 | 247.8<br>845630 | 77.9 | 3.18 | 36.7<br>161.6 | 236.9<br>808166 | 81.8 | 2.89 |
| 45 | | 43.8<br>192.5 | 282.1<br>962525 | 67.7 | 4.17 | 42.1<br>185.2 | 271.3<br>925812 | 70.9 | 3.83 | 40.4<br>177.7 | 260.4<br>888553 | 74.4 | 3.50 | 38.7<br>170.5 | 249.8<br>852318 | 78.1 | 3.20 | 37.0<br>162.9 | 238.7<br>814581 | 82.0 | 2.91 |
| 46 | | 44.1<br>194.0 | 284.3<br>969895 | 67.9 | 4.19 | 42.4<br>186.6 | 273.4<br>932977 | 71.1 | 3.84 | 40.7<br>179.1 | 262.4<br>895445 | 74.6 | 3.52 | 39.0<br>171.8 | 251.8<br>859005 | 78.3 | 3.22 | 37.3<br>164.2 | 240.6<br>820995 | 82.3 | 2.92 |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 2 Circuit

**TAC1S2L140**

| TAC1S2L140 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 49.4 | 318.4 | 77.5 | 4.11 | 47.5 | 306.0 | 81.1 | 3.77 | 45.5 | 293.5 | 85.0 | 3.45 | 43.6 | 281.4 | 89.1 | 3.16 | 41.7 | 268.9 | 93.6 | 2.87 |
| | | 217.3 | 1086449 | | | 208.8 | 1044140 | | | 200.3 | 1001558 | | | 192.1 | 960273 | | | 183.5 | 917419 | | |
| 44 | | 50.7 | 326.9 | 78.3 | 4.18 | 48.7 | 314.2 | 79.0 | 3.98 | 46.8 | 301.5 | 85.9 | 3.51 | 44.8 | 289.1 | 89.9 | 3.21 | 42.8 | 276.2 | 94.4 | 2.93 |
| | | 223.1 | 1115451 | | | 214.4 | 1072187 | | | 205.7 | 1028582 | | | 197.3 | 986341 | | | 188.5 | 942531 | | |
| 45 | | 51.1 | 329.4 | 78.6 | 4.19 | 49.1 | 316.7 | 82.2 | 3.85 | 47.1 | 303.8 | 86.1 | 3.53 | 45.2 | 291.4 | 90.2 | 3.23 | 43.2 | 278.4 | 94.7 | 2.94 |
| | | 224.8 | 1124049 | | | 216.1 | 1080512 | | | 207.3 | 1036634 | | | 198.8 | 994120 | | | 190.0 | 950037 | | |
| 46 | | 51.5 | 332.0 | 78.8 | 4.21 | 49.5 | 319.1 | 82.5 | 3.87 | 47.5 | 306.2 | 86.4 | 3.54 | 45.5 | 293.6 | 90.4 | 3.25 | 43.5 | 280.6 | 94.9 | 2.96 |
| | | 226.5 | 1132716 | | | 217.8 | 1088906 | | | 208.9 | 1044686 | | | 200.4 | 1001900 | | | 191.5 | 957544 | | |

**TAC1S2L160**

| TAC1S2L160 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 58.6 | 378.0 | 90.5 | 4.18 | 56.6 | 365.1 | 95.1 | 3.84 | 54.6 | 352.0 | 100.0 | 3.52 | 52.6 | 339.3 | 105.2 | 3.23 | 50.6 | 326.1 | 111.0 | 2.94 |
| | | 257.9 | 1289668 | | | 249.1 | 1245585 | | | 240.2 | 1201024 | | | 231.6 | 1157828 | | | 222.6 | 1112790 | | |
| 44 | | 61.0 | 393.1 | 91.8 | 4.28 | 58.9 | 379.9 | 96.4 | 3.94 | 56.8 | 366.4 | 101.4 | 3.61 | 54.8 | 353.3 | 106.6 | 3.31 | 52.7 | 339.7 | 112.4 | 3.02 |
| | | 268.3 | 1341325 | | | 259.2 | 1296082 | | | 250.0 | 1250157 | | | 241.1 | 1205528 | | | 231.8 | 1159125 | | |
| 45 | | 61.4 | 396.1 | 92.1 | 4.30 | 59.4 | 382.8 | 96.7 | 3.96 | 57.3 | 369.2 | 101.7 | 3.63 | 55.2 | 356.1 | 106.9 | 3.33 | 53.1 | 342.4 | 112.7 | 3.04 |
| | | 270.3 | 1351561 | | | 261.2 | 1305977 | | | 252.0 | 1259847 | | | 243.0 | 1215013 | | | 233.7 | 1168269 | | |
| 46 | | 61.9 | 399.1 | 92.3 | 4.32 | 59.8 | 385.7 | 96.9 | 3.98 | 57.7 | 372.1 | 101.9 | 3.65 | 55.7 | 358.9 | 107.2 | 3.35 | 53.5 | 345.1 | 113.0 | 3.05 |
| | | 272.4 | 1361797 | | | 263.2 | 1316008 | | | 253.9 | 1269605 | | | 244.9 | 1224430 | | | 235.5 | 1177481 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 2 Circuit

**TAC1S2L180**

| TAC2S2L180 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 67.4 | 434.5 | 107.0 | 4.06 | 65.1 | 419.5 | 112.4 | 3.73 | 62.7 | 404.4 | 118.2 | 3.42 | 60.4 | 389.7 | 124.3 | 3.14 | 58.1 | 374.4 | 131.0 | 2.86 |
| | | 296.5 | 1482650 | | | 286.3 | 1431334 | | | 275.9 | 1379676 | | | 265.9 | 1329588 | | | 255.5 | 1277521 | | |
| 44 | | 69.1 | 445.3 | 108.1 | 4.12 | 66.7 | 430.0 | 112.2 | 3.83 | 64.3 | 414.5 | 119.3 | 3.47 | 62.0 | 399.6 | 125.4 | 3.19 | 59.6 | 384.0 | 132.2 | 2.91 |
| | | 303.9 | 1519432 | | | 293.4 | 1467092 | | | 282.9 | 1414410 | | | 272.7 | 1363367 | | | 262.1 | 1310276 | | |
| 45 | | 69.6 | 448.7 | 108.4 | 4.14 | 67.2 | 433.2 | 113.8 | 3.81 | 64.8 | 417.7 | 119.6 | 3.49 | 62.4 | 402.7 | 125.7 | 3.20 | 60.0 | 387.0 | 132.5 | 2.92 |
| | | 306.2 | 1530896 | | | 295.6 | 1478215 | | | 285.1 | 1425261 | | | 274.8 | 1373876 | | | 264.1 | 1320512 | | |
| 46 | | 70.1 | 452.0 | 108.7 | 4.16 | 67.7 | 436.5 | 114.1 | 3.82 | 65.3 | 420.9 | 120.0 | 3.51 | 62.9 | 405.8 | 126.1 | 3.22 | 60.5 | 390.0 | 132.9 | 2.93 |
| | | 308.5 | 1542360 | | | 297.9 | 1489406 | | | 287.2 | 1436111 | | | 276.9 | 1384453 | | | 266.1 | 1330748 | | |

**TAC2S2L220**

| TAC2S2L220 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 80.2 | 517.0 | 117.6 | 4.40 | 77.4 | 498.8 | 123.5 | 4.04 | 74.5 | 480.3 | 129.9 | 3.70 | 71.7 | 462.2 | 136.6 | 3.38 | 68.8 | 443.3 | 144.0 | 3.08 |
| | | 352.8 | 1764072 | | | 340.4 | 1701974 | | | 327.7 | 1638647 | | | 315.4 | 1576958 | | | 302.5 | 1512608 | | |
| 44 | | 83.0 | 534.9 | 119.0 | 4.49 | 80.1 | 516.2 | 123.6 | 4.18 | 77.1 | 497.1 | 131.5 | 3.78 | 74.2 | 478.4 | 138.1 | 3.46 | 71.2 | 459.0 | 145.6 | 3.15 |
| | | 365.0 | 1825079 | | | 352.2 | 1761206 | | | 339.2 | 1695969 | | | 326.5 | 1632369 | | | 313.2 | 1565972 | | |
| 45 | | 83.6 | 538.9 | 119.4 | 4.51 | 80.7 | 520.1 | 125.3 | 4.15 | 77.7 | 500.8 | 131.8 | 3.80 | 74.8 | 482.1 | 138.5 | 3.48 | 71.7 | 462.5 | 146.0 | 3.17 |
| | | 367.8 | 1838863 | | | 354.9 | 1774513 | | | 341.8 | 1708866 | | | 329.0 | 1644789 | | | 315.6 | 1577982 | | |
| 46 | | 84.2 | 543.0 | 119.7 | 4.54 | 81.3 | 524.0 | 125.7 | 4.17 | 78.3 | 504.6 | 132.1 | 3.82 | 75.3 | 485.7 | 138.9 | 3.50 | 72.3 | 466.0 | 146.3 | 3.18 |
| | | 370.5 | 1852648 | | | 357.6 | 1787956 | | | 344.4 | 1721832 | | | 331.5 | 1657345 | | | 318.0 | 1590060 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 2 Circuit

**TAC2S2L250**

| TAC2S2L250 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 89.4 | 576.6 | 133.4 | 4.32 | 86.3 | 556.4 | 140.0 | 3.98 | 83.1 | 536.0 | 147.1 | 3.64 | 80.1 | 516.3 | 154.5 | 3.34 | 76.9 | 495.8 | 162.8 | 3.05 |
| | | 393.5 | 1967427 | | | 379.7 | 1898505 | | | 365.8 | 1828968 | | | 352.3 | 1761684 | | | 338.3 | 1691738 | | |
| 44 | | 92.3 | 594.9 | 135.0 | 4.41 | 89.1 | 574.2 | 137.0 | 4.19 | 85.8 | 553.3 | 148.7 | 3.72 | 82.7 | 533.0 | 156.2 | 3.41 | 79.4 | 512.0 | 164.5 | 3.11 |
| | | 406.0 | 2029935 | | | 391.8 | 1959239 | | | 377.6 | 1887860 | | | 363.7 | 1818664 | | | 349.4 | 1746876 | | |
| 45 | | 93.0 | 599.4 | 135.4 | 4.43 | 89.7 | 578.6 | 142.0 | 4.07 | 86.5 | 557.5 | 149.1 | 3.74 | 83.3 | 537.1 | 156.6 | 3.43 | 80.0 | 515.9 | 164.9 | 3.13 |
| | | 409.0 | 2045221 | | | 394.8 | 1974047 | | | 380.5 | 1902258 | | | 366.5 | 1832585 | | | 352.1 | 1760319 | | |
| 46 | | 93.7 | 603.9 | 135.8 | 4.45 | 90.4 | 582.9 | 142.4 | 4.09 | 87.1 | 561.8 | 149.5 | 3.76 | 83.9 | 541.2 | 157.0 | 3.45 | 80.6 | 519.9 | 165.3 | 3.14 |
| | | 412.1 | 2060575 | | | 397.8 | 1988923 | | | 383.3 | 1916725 | | | 369.3 | 1846574 | | | 354.8 | 1773831 | | |

**TAC2S2L280**

| TAC2S2L280 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 101.4 | 653.9 | 156.4 | 4.18 | 97.8 | 630.6 | 163.9 | 3.85 | 94.2 | 607.3 | 172.2 | 3.53 | 90.7 | 584.7 | 180.7 | 3.24 | 87.0 | 561.2 | 190.3 | 2.95 |
| | | 446.2 | 2231107 | | | 430.3 | 2151744 | | | 414.4 | 2071971 | | | 399.0 | 1994860 | | | 383.0 | 1914814 | | |
| 44 | | 104.2 | 671.8 | 158.1 | 4.25 | 100.5 | 648.0 | 159.6 | 4.06 | 96.8 | 624.0 | 173.9 | 3.59 | 93.2 | 600.9 | 182.5 | 3.29 | 89.5 | 576.9 | 192.2 | 3.00 |
| | | 458.4 | 2292045 | | | 442.2 | 2210840 | | | 425.8 | 2129224 | | | 410.1 | 2050271 | | | 393.7 | 1968315 | | |
| 45 | | 105.0 | 676.8 | 158.6 | 4.27 | 101.2 | 652.8 | 166.2 | 3.93 | 97.5 | 628.7 | 174.4 | 3.60 | 93.9 | 605.5 | 183.0 | 3.31 | 90.2 | 581.3 | 192.7 | 3.02 |
| | | 461.8 | 2309173 | | | 445.5 | 2227422 | | | 429.1 | 2145261 | | | 413.2 | 2065830 | | | 396.7 | 1983396 | | |
| 46 | | 105.7 | 681.8 | 159.1 | 4.29 | 102.0 | 657.7 | 166.7 | 3.95 | 98.2 | 633.5 | 174.9 | 3.62 | 94.6 | 610.0 | 183.6 | 3.32 | 90.8 | 585.7 | 193.2 | 3.03 |
| | | 465.3 | 2326370 | | | 448.8 | 2244141 | | | 432.3 | 2161434 | | | 416.3 | 2081456 | | | 399.7 | 1998545 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Non Tropical / 2 Circuit

### TAC2S2L320

| TAC2S2L320 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 118.7 | 765.4 | 176.6 | 4.33 | 114.4 | 737.9 | 185.4 | 3.98 | 110.1 | 709.9 | 194.9 | 3.64 | 105.9 | 682.6 | 204.6 | 3.34 | 101.4 | 654.1 | 215.3 | 3.04 |
| | | 522.3 | 2611408 | | | 503.5 | 2517578 | | | 484.4 | 2422042 | | | 465.8 | 2329031 | | | 446.4 | 2231789 | | |
| 44 | | 123.2 | 794.4 | 178.8 | 4.44 | 118.8 | 766.1 | 187.0 | 4.10 | 114.3 | 737.2 | 197.1 | 3.74 | 110.0 | 709.1 | 206.9 | 3.43 | 105.4 | 679.7 | 217.7 | 3.12 |
| | | 542.1 | 2710356 | | | 522.8 | 2613797 | | | 503.1 | 2515463 | | | 483.9 | 2419381 | | | 463.8 | 2319068 | | |
| 45 | | 124.1 | 800.2 | 179.3 | 4.46 | 119.7 | 771.8 | 188.1 | 4.10 | 115.2 | 742.8 | 197.6 | 3.76 | 110.8 | 714.5 | 207.4 | 3.44 | 106.2 | 684.9 | 218.2 | 3.14 |
| | | 546.1 | 2730419 | | | 526.7 | 2633313 | | | 506.9 | 2534434 | | | 487.5 | 2437738 | | | 467.4 | 2336811 | | |
| 46 | | 125.0 | 806.2 | 179.7 | 4.49 | 120.6 | 777.5 | 188.6 | 4.12 | 116.1 | 748.4 | 198.1 | 3.78 | 111.6 | 719.9 | 207.9 | 3.46 | 107.0 | 690.1 | 218.6 | 3.16 |
| | | 550.1 | 2750618 | | | 530.6 | 2652898 | | | 510.7 | 2553404 | | | 491.2 | 2456162 | | | 470.9 | 2354621 | | |

### TAC2S2L360

| TAC2S2L360 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 32.2 (90) | | | | 35 (95) | | | | 37.8 (100) | | | | 40.5 (105) | | | | 43.3 (110) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 137.9 | 889.2 | 207.4 | 4.29 | 133.1 | 858.2 | 216.6 | 3.96 | 128.2 | 826.6 | 226.5 | 3.65 | 123.4 | 795.8 | 236.5 | 3.36 | 118.4 | 763.4 | 247.7 | 3.08 |
| | | 606.8 | 3033814 | | | 585.6 | 2928042 | | | 564.1 | 2820359 | | | 543.0 | 2715133 | | | 521.0 | 2604857 | | |
| 44 | | 141.4 | 912.0 | 209.4 | 4.36 | 136.5 | 880.3 | 216.0 | 4.08 | 131.5 | 847.9 | 228.5 | 3.71 | 126.6 | 816.3 | 238.6 | 3.42 | 121.5 | 783.2 | 249.8 | 3.14 |
| | | 622.4 | 3111880 | | | 600.7 | 3003447 | | | 578.6 | 2893035 | | | 557.1 | 2785284 | | | 534.5 | 2672347 | | |
| 45 | | 142.5 | 918.9 | 210.0 | 4.38 | 137.5 | 886.8 | 219.3 | 4.04 | 132.5 | 854.2 | 229.1 | 3.73 | 127.5 | 822.4 | 239.2 | 3.44 | 122.4 | 789.1 | 250.4 | 3.15 |
| | | 627.0 | 3135150 | | | 605.2 | 3025830 | | | 582.9 | 2914599 | | | 561.2 | 2806097 | | | 538.5 | 2692409 | | |
| 46 | | 143.6 | 925.7 | 210.6 | 4.40 | 138.6 | 893.4 | 219.9 | 4.06 | 133.5 | 860.6 | 229.7 | 3.75 | 128.5 | 828.6 | 239.8 | 3.46 | 123.3 | 795.0 | 251.0 | 3.17 |
| | | 631.7 | 3158488 | | | 609.7 | 3048417 | | | 587.3 | 2936367 | | | 565.4 | 2827047 | | | 542.5 | 2712540 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 1 Circuit

**TTC1S1L050**

| TTC1S1L050 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (125.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 15.4 | 99.4 | 36.0 | 2.76 | 14.6 | 94.3 | 30.7 | 3.07 | 14.1 | 90.9 | 39.8 | 2.28 | 13.6 | 87.6 | 41.4 | 2.12 | 13.1 | 84.3 | 42.9 | 1.96 |
| | | 67.8 | 339146 | | | 64.4 | 321789 | | | 62.1 | 310277 | | | 59.8 | 298905 | | | 57.5 | 287659 | | |
| 44 | | 15.5 | 100.1 | 36.1 | 2.77 | 14.7 | 95.0 | 38.5 | 2.47 | 14.2 | 91.6 | 39.9 | 2.29 | 13.7 | 88.2 | 41.4 | 2.13 | 13.2 | 84.9 | 43.0 | 1.97 |
| | | 68.3 | 341507 | | | 64.8 | 324027 | | | 62.5 | 312444 | | | 60.2 | 301003 | | | 57.9 | 289682 | | |
| 45 | | 15.7 | 101.3 | 36.5 | 2.77 | 14.9 | 96.1 | 38.6 | 2.49 | 14.4 | 92.7 | 40.1 | 2.31 | 13.9 | 89.3 | 41.6 | 2.15 | 13.3 | 86.0 | 43.1 | 1.99 |
| | | 69.1 | 345670 | | | 65.6 | 328006 | | | 63.3 | 316309 | | | 60.9 | 304729 | | | 58.7 | 293285 | | |
| 46 | | 15.8 | 101.7 | 36.6 | 2.78 | 15.0 | 96.5 | 38.6 | 2.50 | 14.4 | 93.1 | 40.1 | 2.32 | 13.9 | 89.7 | 41.6 | 2.16 | 13.4 | 86.3 | 43.2 | 2.00 |
| | | 69.4 | 347069 | | | 65.9 | 329336 | | | 63.5 | 317603 | | | 61.2 | 305978 | | | 58.9 | 294490 | | |

**TTC1S1L060**

| TTC1S1L060 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (125.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY-KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 17.9 | 115.6 | 41.6 | 2.78 | 17.0 | 109.7 | 45.2 | 2.42 | 16.4 | 105.8 | 46.9 | 2.26 | 15.8 | 101.9 | 48.6 | 2.10 | 15.2 | 98.1 | 50.4 | 1.95 |
| | | 78.9 | 394325 | | | 74.9 | 374262 | | | 72.2 | 360990 | | | 69.6 | 347751 | | | 66.9 | 334727 | | |
| 44 | | 18.3 | 117.7 | 42.0 | 2.80 | 17.3 | 111.7 | 45.5 | 2.46 | 16.7 | 107.8 | 47.1 | 2.29 | 16.1 | 103.8 | 48.9 | 2.12 | 15.5 | 99.9 | 50.7 | 1.97 |
| | | 80.3 | 401558 | | | 76.2 | 381189 | | | 73.5 | 367711 | | | 70.9 | 354268 | | | 68.2 | 340995 | | |
| 45 | | 18.4 | 118.6 | 42.4 | 2.80 | 17.5 | 112.6 | 45.6 | 2.47 | 16.9 | 108.7 | 47.3 | 2.30 | 16.2 | 104.7 | 49.0 | 2.14 | 15.6 | 100.8 | 50.8 | 1.98 |
| | | 81.0 | 404800 | | | 76.9 | 384294 | | | 74.1 | 370714 | | | 71.4 | 357168 | | | 68.8 | 343793 | | |
| 46 | | 18.5 | 119.6 | 42.7 | 2.80 | 17.6 | 113.5 | 45.7 | 2.48 | 17.0 | 109.5 | 47.4 | 2.31 | 16.4 | 105.5 | 49.1 | 2.15 | 15.8 | 101.6 | 50.9 | 2.00 |
| | | 81.6 | 408075 | | | 77.5 | 387398 | | | 74.8 | 373750 | | | 72.0 | 360102 | | | 69.3 | 346625 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 1 Circuit

## TTC1S1L070

| TTC1S1L070 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 20.2 | 130.4 | 48.0 | 2.72 | 19.2 | 123.8 | 50.7 | 2.44 | 18.5 | 119.4 | 52.6 | 2.27 | 17.8 | 115.0 | 54.6 | 2.11 | 17.2 | 110.7 | 56.6 | 1.95 |
| | | 89.0 | 445061 | | | 84.5 | 422371 | | | 81.5 | 407427 | | | 78.5 | 392482 | | | 75.6 | 377777 | | |
| 44 | | 20.9 | 134.5 | 48.5 | 2.77 | 19.8 | 127.6 | 51.2 | 2.49 | 19.1 | 123.1 | 53.1 | 2.32 | 18.4 | 118.6 | 55.1 | 2.15 | 17.7 | 114.2 | 57.1 | 2.00 |
| | | 91.8 | 458778 | | | 87.1 | 435337 | | | 84.0 | 419949 | | | 80.9 | 404629 | | | 77.9 | 389480 | | |
| 45 | | 21.0 | 135.5 | 48.6 | 2.79 | 19.9 | 128.6 | 51.3 | 2.51 | 19.2 | 124.1 | 53.2 | 2.33 | 18.5 | 119.6 | 55.2 | 2.17 | 17.8 | 115.1 | 57.2 | 2.01 |
| | | 92.5 | 462258 | | | 87.8 | 438817 | | | 84.7 | 423361 | | | 81.6 | 407905 | | | 78.5 | 392653 | | |
| 46 | | 21.2 | 136.6 | 48.8 | 2.80 | 20.1 | 129.6 | 51.4 | 2.52 | 19.4 | 125.1 | 53.3 | 2.35 | 18.7 | 120.5 | 55.3 | 2.18 | 18.0 | 116.0 | 57.4 | 2.02 |
| | | 93.2 | 465943 | | | 88.5 | 442332 | | | 85.4 | 426773 | | | 82.2 | 411214 | | | 79.2 | 395860 | | |

## TTC1S1L080

| TTC1S1L080 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 25.8 | 166.4 | 56.4 | 2.95 | 24.7 | 159.1 | 61.9 | 2.57 | 23.9 | 154.2 | 64.4 | 2.39 | 23.2 | 149.3 | 67.0 | 2.23 | 22.4 | 144.4 | 69.7 | 2.07 |
| | | 113.6 | 567859 | | | 108.6 | 542781 | | | 105.2 | 525994 | | | 101.9 | 509343 | | | 98.6 | 492795 | | |
| 44 | | 26.6 | 171.4 | 56.5 | 3.03 | 25.4 | 163.9 | 62.5 | 2.62 | 24.6 | 158.9 | 65.0 | 2.45 | 23.9 | 153.9 | 67.6 | 2.28 | 23.1 | 148.9 | 70.3 | 2.12 |
| | | 117.0 | 584817 | | | 111.8 | 559159 | | | 108.4 | 542030 | | | 105.0 | 524936 | | | 101.6 | 507979 | | |
| 45 | | 26.8 | 172.8 | 57.0 | 3.03 | 25.6 | 165.2 | 62.6 | 2.64 | 24.8 | 160.2 | 65.1 | 2.46 | 24.1 | 155.1 | 67.7 | 2.29 | 23.3 | 150.1 | 70.5 | 2.13 |
| | | 117.9 | 589594 | | | 112.8 | 563765 | | | 109.3 | 546534 | | | 105.9 | 529304 | | | 102.4 | 512244 | | |
| 46 | | 27.0 | 174.2 | 57.7 | 3.02 | 25.8 | 166.6 | 62.8 | 2.65 | 25.0 | 161.5 | 65.3 | 2.47 | 24.3 | 156.4 | 67.9 | 2.30 | 23.5 | 151.4 | 70.6 | 2.14 |
| | | 118.9 | 594405 | | | 113.7 | 568405 | | | 110.2 | 551072 | | | 106.7 | 533739 | | | 103.3 | 516543 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 1 Circuit

**TTC1S1L090**

| TTC1S1L090 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 29.0 | 187.0 | 66.6 | 2.81 | 27.7 | 178.7 | 70.7 | 2.53 | 26.9 | 173.2 | 73.6 | 2.35 | 26.0 | 167.7 | 76.7 | 2.19 | 25.2 | 162.2 | 79.9 | 2.03 |
| | | 127.6 | 638078 | | | 122.0 | 609793 | | | 118.2 | 590993 | | | 114.4 | 572158 | | | 110.7 | 553426 | | |
| 44 | | 29.7 | 191.5 | 67.1 | 2.85 | 28.4 | 183.1 | 71.2 | 2.57 | 27.5 | 177.5 | 74.1 | 2.39 | 26.7 | 171.9 | 77.2 | 2.23 | 25.8 | 166.3 | 80.4 | 2.07 |
| | | 130.7 | 653500 | | | 124.9 | 624703 | | | 121.1 | 605528 | | | 117.3 | 586352 | | | 113.4 | 567245 | | |
| 45 | | 29.9 | 193.1 | 67.3 | 2.87 | 28.6 | 184.6 | 71.4 | 2.59 | 27.7 | 178.9 | 74.3 | 2.41 | 26.9 | 173.3 | 77.4 | 2.24 | 26.0 | 167.6 | 80.6 | 2.08 |
| | | 131.7 | 658687 | | | 125.9 | 629719 | | | 122.1 | 610407 | | | 118.2 | 591163 | | | 114.4 | 571919 | | |
| 46 | | 30.2 | 194.6 | 67.4 | 2.89 | 28.9 | 186.0 | 71.5 | 2.60 | 28.0 | 180.3 | 74.5 | 2.42 | 13.9 | 89.7 | 77.6 | 1.16 | 13.4 | 86.3 | 80.8 | 1.07 |
| | | 132.8 | 663941 | | | 127.0 | 634768 | | | 123.1 | 615320 | | | 61.2 | 305978 | | | 58.9 | 294490 | | |

**TTC1S1L110**

| TTC1S1L110 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 34.4 | 222.0 | 73.4 | 3.03 | 32.8 | 211.7 | 77.8 | 2.72 | 31.8 | 204.9 | 80.9 | 2.53 | 30.7 | 198.2 | 84.3 | 2.35 | 29.7 | 191.5 | 87.8 | 2.18 |
| | | 151.5 | 757362 | | | 144.5 | 722423 | | | 139.8 | 699221 | | | 135.2 | 676190 | | | 130.7 | 653296 | | |
| 44 | | 35.7 | 230.0 | 73.6 | 3.12 | 34.0 | 219.4 | 78.6 | 2.79 | 32.9 | 212.4 | 81.7 | 2.60 | 31.9 | 205.4 | 85.1 | 2.41 | 30.8 | 198.5 | 88.6 | 2.24 |
| | | 156.9 | 784658 | | | 149.7 | 748593 | | | 144.9 | 724606 | | | 140.2 | 700791 | | | 135.4 | 677214 | | |
| 45 | | 35.9 | 231.8 | 74.3 | 3.12 | 34.3 | 221.1 | 78.8 | 2.81 | 33.2 | 214.1 | 81.9 | 2.61 | 32.1 | 207.0 | 85.3 | 2.43 | 31.0 | 200.1 | 88.8 | 2.25 |
| | | 158.2 | 790833 | | | 150.9 | 754496 | | | 146.1 | 730339 | | | 141.3 | 706352 | | | 136.5 | 682605 | | |
| 46 | | 36.2 | 233.6 | 74.5 | 3.14 | 34.6 | 222.9 | 78.9 | 2.82 | 33.5 | 215.7 | 82.1 | 2.63 | 32.4 | 208.7 | 85.4 | 2.44 | 31.3 | 201.6 | 89.0 | 2.27 |
| | | 159.4 | 797009 | | | 152.1 | 760432 | | | 147.2 | 736071 | | | 142.4 | 711914 | | | 137.6 | 687996 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 1 Circuit

## TTC1S1L125

| TTC1S1L125 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 38.9 | 251.1 | 81.4 | 3.08 | 37.2 | 239.8 | 86.9 | 2.76 | 36.0 | 232.4 | 90.4 | 2.57 | 34.9 | 224.8 | 94.1 | 2.39 | 33.7 | 217.3 | 98.1 | 2.22 |
| | | 171.3 | 856617 | | | 163.7 | 818334 | | | 158.6 | 792778 | | | 153.4 | 767154 | | | 148.3 | 741496 | | |
| 44 | | 40.2 | 259.1 | 81.5 | 3.18 | 38.4 | 247.6 | 87.6 | 2.83 | 37.2 | 239.9 | 91.1 | 2.63 | 36.0 | 232.3 | 94.8 | 2.45 | 34.8 | 224.5 | 98.8 | 2.27 |
| | | 176.8 | 884083 | | | 169.0 | 844845 | | | 163.7 | 818675 | | | 158.5 | 792437 | | | 153.2 | 766130 | | |
| 45 | | 40.5 | 261.2 | 82.5 | 3.17 | 38.7 | 249.6 | 87.8 | 2.84 | 37.5 | 241.9 | 91.3 | 2.65 | 36.3 | 234.2 | 95.0 | 2.46 | 35.1 | 226.4 | 99.0 | 2.29 |
| | | 178.2 | 891214 | | | 170.3 | 851703 | | | 165.1 | 825363 | | | 159.8 | 798988 | | | 154.5 | 772511 | | |
| 46 | | 40.8 | 263.3 | 83.1 | 3.17 | 39.0 | 251.7 | 88.0 | 2.86 | 37.8 | 243.9 | 91.5 | 2.67 | 36.6 | 236.1 | 95.2 | 2.48 | 35.4 | 228.3 | 99.2 | 2.30 |
| | | 179.7 | 898345 | | | 171.7 | 858630 | | | 166.4 | 832119 | | | 161.1 | 805539 | | | 155.8 | 778925 | | |

## TTC1S1L140

| TTC1S1L140 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 44.0 | 283.8 | 93.2 | 3.05 | 42.0 | 271.1 | 100.9 | 2.69 | 40.7 | 262.6 | 104.9 | 2.50 | 39.4 | 254.1 | 109.1 | 2.33 | 38.1 | 245.7 | 113.6 | 2.16 |
| | | 193.7 | 968326 | | | 185.0 | 924857 | | | 179.2 | 895821 | | | 173.4 | 866989 | | | 167.6 | 838158 | | |
| 44 | | 45.3 | 292.0 | 93.5 | 3.12 | 43.3 | 279.0 | 101.7 | 2.74 | 41.9 | 270.3 | 105.8 | 2.56 | 40.6 | 261.6 | 110.0 | 2.38 | 39.2 | 253.0 | 114.5 | 2.21 |
| | | 199.3 | 996406 | | | 190.4 | 951914 | | | 184.4 | 922161 | | | 178.5 | 892613 | | | 172.6 | 863134 | | |
| 45 | | 45.6 | 294.3 | 93.9 | 3.13 | 43.6 | 281.2 | 102.0 | 2.76 | 42.3 | 272.4 | 106.0 | 2.57 | 40.9 | 263.7 | 110.2 | 2.39 | 39.6 | 255.0 | 114.7 | 2.22 |
| | | 200.9 | 1004288 | | | 191.9 | 959523 | | | 185.9 | 929565 | | | 180.0 | 899813 | | | 174.0 | 870162 | | |
| 46 | | 46.0 | 296.7 | 94.4 | 3.14 | 44.0 | 283.5 | 102.2 | 2.77 | 42.6 | 274.6 | 87.5 | 3.14 | 41.2 | 265.8 | 91.8 | 2.90 | 39.9 | 257.1 | 96.6 | 2.66 |
| | | 202.4 | 1012238 | | | 193.4 | 967131 | | | 187.4 | 936969 | | | 181.4 | 907046 | | | 175.4 | 877191 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 1 Circuit

**TTC1S1L160**

| TTC1S1L160 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 50.4 | 324.9 | 112.0 | 2.90 | 48.0 | 309.3 | 118.3 | 2.61 | 46.4 | 299.0 | 122.7 | 2.44 | 44.8 | 288.6 | 127.3 | 2.27 | 43.2 | 278.3 | 132.1 | 2.11 |
| | | 221.7 | 1108525 | | | 211.1 | 1055468 | | | 204.0 | 1020154 | | | 196.9 | 984737 | | | 189.9 | 949560 | | |
| 44 | | 51.8 | 334.0 | 113.3 | 2.95 | 49.3 | 318.1 | 119.2 | 2.67 | 47.7 | 307.5 | 123.6 | 2.49 | 46.0 | 296.9 | 128.2 | 2.32 | 44.4 | 286.4 | 133.0 | 2.15 |
| | | 227.9 | 1139710 | | | 217.1 | 1085460 | | | 209.9 | 1049326 | | | 202.6 | 1013091 | | | 195.4 | 977060 | | |
| 45 | | 52.2 | 336.6 | 113.4 | 2.97 | 49.7 | 320.6 | 119.4 | 2.68 | 48.1 | 310.0 | 123.9 | 2.50 | 46.4 | 299.3 | 128.5 | 2.33 | 44.8 | 288.6 | 133.2 | 2.17 |
| | | 229.7 | 1148445 | | | 218.8 | 1093853 | | | 211.5 | 1057549 | | | 204.2 | 1021075 | | | 197.0 | 984771 | | |
| 46 | | 52.6 | 339.2 | 13.5 | 25.12 | 50.1 | 323.1 | 119.7 | 2.70 | 48.4 | 312.4 | 124.1 | 2.52 | 46.8 | 301.6 | 128.7 | 2.34 | 45.1 | 290.9 | 133.5 | 2.18 |
| | | 231.4 | 1157248 | | | 220.5 | 1102315 | | | 213.2 | 1065772 | | | 205.8 | 1029059 | | | 198.5 | 992551 | | |

**TTC1S1L180**

| TTC1S1L180 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 58.2 | 375.5 | 127.5 | 2.95 | 55.5 | 358.1 | 134.2 | 2.67 | 53.7 | 346.4 | 139.0 | 2.49 | 51.9 | 334.9 | 144.0 | 2.32 | 50.2 | 323.4 | 149.4 | 2.16 |
| | | 256.2 | 1281206 | | | 244.3 | 1221735 | | | 236.4 | 1182053 | | | 228.5 | 1142576 | | | 220.7 | 1103304 | | |
| 44 | | 59.5 | 383.4 | 128.3 | 2.99 | 56.7 | 365.6 | 135.1 | 2.71 | 54.9 | 353.7 | 139.9 | 2.53 | 53.0 | 341.9 | 144.9 | 2.36 | 51.2 | 330.2 | 150.3 | 2.20 |
| | | 261.6 | 1308058 | | | 249.5 | 1247393 | | | 241.4 | 1206927 | | | 233.3 | 1166631 | | | 225.3 | 1126608 | | |
| 45 | | 59.9 | 386.3 | 128.7 | 3.00 | 57.1 | 368.4 | 135.4 | 2.72 | 55.3 | 356.4 | 140.2 | 2.54 | 53.4 | 344.5 | 145.3 | 2.37 | 51.6 | 332.7 | 150.6 | 2.21 |
| | | 263.6 | 1317953 | | | 251.4 | 1256844 | | | 243.2 | 1216071 | | | 235.1 | 1175468 | | | 227.0 | 1135172 | | |
| 46 | | 60.4 | 389.2 | 129.0 | 3.02 | 57.6 | 371.1 | 135.7 | 2.73 | 55.7 | 359.1 | 140.5 | 2.56 | 53.8 | 347.1 | 145.6 | 2.38 | 52.0 | 335.2 | 150.9 | 2.22 |
| | | 265.6 | 1327882 | | | 253.3 | 1266330 | | | 245.0 | 1225249 | | | 236.9 | 1184373 | | | 228.8 | 1143771 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 2 Circuit

## TTC1S2L100

| TTC1S2L100 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 31.0 | 199.9 | 69.9 | 2.86 | 29.4 | 189.7 | 73.9 | 2.57 | 28.4 | 183.0 | 76.7 | 2.39 | 27.3 | 176.3 | 79.7 | 2.21 | 26.3 | 169.7 | 82.8 | 2.05 |
| | | 136.4 | 681909 | | | 129.5 | 647352 | | | 124.9 | 624457 | | | 120.3 | 601665 | | | 115.8 | 579010 | | |
| 44 | | 31.8 | 205.3 | 70.4 | 2.92 | 30.2 | 195.0 | 74.4 | 2.62 | 29.2 | 188.1 | 77.2 | 2.44 | 28.1 | 181.3 | 80.2 | 2.26 | 27.1 | 174.5 | 83.3 | 2.09 |
| | | 140.1 | 700484 | | | 133.0 | 665169 | | | 128.3 | 641749 | | | 123.7 | 618445 | | | 119.1 | 595271 | | |
| 45 | | 32.2 | 207.8 | 70.7 | 2.94 | 30.6 | 197.4 | 74.7 | 2.64 | 29.5 | 190.5 | 77.5 | 2.46 | 28.5 | 183.6 | 80.4 | 2.28 | 27.4 | 176.7 | 83.5 | 2.11 |
| | | 141.8 | 709150 | | | 134.7 | 673495 | | | 130.0 | 649829 | | | 125.3 | 626293 | | | 120.6 | 602859 | | |
| 46 | | 32.4 | 208.7 | 70.7 | 2.95 | 30.7 | 198.2 | 74.7 | 2.65 | 29.7 | 191.2 | 77.6 | 2.47 | 28.6 | 184.3 | 80.5 | 2.29 | 27.5 | 177.4 | 83.6 | 2.12 |
| | | 142.4 | 712084 | | | 135.3 | 676279 | | | 130.5 | 652531 | | | 125.8 | 628920 | | | 121.1 | 605398 | | |

## TTC1S2L120

| TTC1S2L120 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 36.8 | 237.2 | 80.8 | 2.93 | 34.9 | 225.2 | 85.4 | 2.64 | 33.7 | 217.3 | 88.7 | 2.45 | 32.5 | 209.3 | 92.1 | 2.27 | 31.2 | 201.3 | 95.7 | 2.10 |
| | | 161.9 | 809326 | | | 153.7 | 768519 | | | 148.3 | 741359 | | | 142.8 | 714063 | | | 137.4 | 686972 | | |
| 44 | | 37.8 | 243.8 | 81.0 | 3.01 | 35.9 | 231.6 | 86.0 | 2.69 | 34.7 | 223.5 | 89.2 | 2.50 | 33.4 | 215.3 | 92.7 | 2.32 | 32.1 | 207.2 | 96.3 | 2.15 |
| | | 166.4 | 831777 | | | 158.0 | 790151 | | | 152.5 | 762446 | | | 146.9 | 734604 | | | 141.4 | 706830 | | |
| 45 | | 38.1 | 245.8 | 81.6 | 3.01 | 36.2 | 233.6 | 86.2 | 2.71 | 35.0 | 225.4 | 89.4 | 2.52 | 33.7 | 217.2 | 92.8 | 2.34 | 32.4 | 209.0 | 96.4 | 2.17 |
| | | 167.8 | 838806 | | | 159.4 | 796907 | | | 153.8 | 768997 | | | 148.2 | 740950 | | | 142.6 | 713040 | | |
| 46 | | 38.4 | 247.9 | 81.8 | 3.03 | 36.5 | 235.5 | 86.4 | 2.73 | 35.3 | 227.3 | 89.6 | 2.54 | 34.0 | 219.0 | 93.0 | 2.36 | 32.7 | 210.8 | 96.6 | 2.18 |
| | | 169.2 | 845767 | | | 160.7 | 803662 | | | 155.1 | 775548 | | | 149.5 | 747364 | | | 143.8 | 719250 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

## Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 2 Circuit

**TTC1S2L140**

| TTC1S2L140 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 42.1 | 271.3 | 92.8 | 2.92 | 40.0 | 257.6 | 99.7 | 2.58 | 38.6 | 248.6 | 103.4 | 2.40 | 37.2 | 239.6 | 107.3 | 2.23 | 35.8 | 230.6 | 111.3 | 2.07 |
| | | 185.1 | 925744 | | | 175.8 | 879068 | | | 169.6 | 848155 | | | 163.5 | 817515 | | | 157.4 | 786875 | | |
| 44 | | 43.2 | 278.6 | 93.2 | 2.99 | 41.0 | 264.7 | 100.5 | 2.63 | 39.6 | 255.4 | 104.2 | 2.45 | 38.2 | 246.2 | 108.0 | 2.28 | 36.8 | 237.0 | 112.1 | 2.11 |
| | | 190.1 | 950720 | | | 180.6 | 903020 | | | 174.3 | 871357 | | | 168.0 | 839966 | | | 161.7 | 808712 | | |
| 45 | | 43.6 | 280.9 | 95.5 | 2.94 | 41.4 | 266.9 | 100.7 | 2.65 | 39.9 | 257.5 | 104.4 | 2.47 | 38.5 | 248.2 | 108.3 | 2.29 | 37.1 | 239.0 | 112.3 | 2.13 |
| | | 191.7 | 958499 | | | 182.1 | 910526 | | | 175.7 | 878522 | | | 169.4 | 846927 | | | 163.1 | 815468 | | |
| 46 | | 43.9 | 283.2 | 95.8 | 2.96 | 41.7 | 269.0 | 101.0 | 2.66 | 40.3 | 259.6 | 104.7 | 2.48 | 38.8 | 250.3 | 108.5 | 2.31 | 37.4 | 241.0 | 112.5 | 2.14 |
| | | 193.3 | 966347 | | | 183.6 | 917964 | | | 177.2 | 885823 | | | 170.8 | 853955 | | | 164.5 | 822292 | | |

**TTC1S2L160**

| TTC1S2L160 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 50.3 | 324.4 | 110.4 | 2.94 | 48.1 | 310.1 | 122.6 | 2.53 | 46.6 | 300.5 | 127.6 | 2.36 | 45.1 | 291.0 | 132.9 | 2.19 | 43.7 | 281.6 | 138.5 | 2.03 |
| | | 221.4 | 1106785 | | | 211.6 | 1057925 | | | 205.1 | 1025442 | | | 198.6 | 993028 | | | 192.2 | 960751 | | |
| 44 | | 53.9 | 347.6 | 110.6 | 3.14 | 51.6 | 332.6 | 116.4 | 2.86 | 50.0 | 322.5 | 121.3 | 2.66 | 48.4 | 312.4 | 126.5 | 2.47 | 46.9 | 302.2 | 131.9 | 2.29 |
| | | 237.2 | 1186148 | | | 227.0 | 1134831 | | | 220.1 | 1100370 | | | 213.2 | 1065772 | | | 206.2 | 1031175 | | |
| 45 | | 54.4 | 350.6 | 110.8 | 3.16 | 52.0 | 335.4 | 116.6 | 2.88 | 50.5 | 325.3 | 121.5 | 2.68 | 48.9 | 315.1 | 126.7 | 2.49 | 47.3 | 304.9 | 132.1 | 2.31 |
| | | 239.2 | 1196111 | | | 228.9 | 1144521 | | | 222.0 | 1109924 | | | 215.0 | 1075121 | | | 208.1 | 1040319 | | |
| 46 | | 54.8 | 353.5 | 110.4 | 3.20 | 52.5 | 338.3 | 116.8 | 2.90 | 50.9 | 328.1 | 121.7 | 2.70 | 49.3 | 317.8 | 126.9 | 2.51 | 47.7 | 307.6 | 132.3 | 2.32 |
| | | 241.2 | 1206142 | | | 230.9 | 1154280 | | | 223.9 | 1119477 | | | 216.9 | 1084470 | | | 209.9 | 1049463 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 2 Circuit

## TTC2S2L180

| TTC2S2L180 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 60.1 | 387.5 | 126.2 | 3.07 | 57.5 | 370.7 | 133.9 | 2.77 | 55.7 | 359.5 | 139.5 | 2.58 | 54.0 | 348.2 | 145.4 | 2.40 | 52.3 | 337.0 | 151.5 | 2.22 |
| | | 264.4 | 1322082 | | | 253.0 | 1264760 | | | 245.3 | 1226478 | | | 237.6 | 1188127 | | | 229.9 | 1149708 | | |
| 44 | | 61.7 | 397.9 | 127.1 | 3.13 | 59.1 | 380.8 | 134.8 | 2.82 | 57.3 | 369.4 | 140.4 | 2.63 | 55.5 | 357.9 | 146.2 | 2.45 | 53.7 | 346.4 | 152.4 | 2.27 |
| | | 271.6 | 1357771 | | | 259.9 | 1299358 | | | 252.1 | 1260325 | | | 244.2 | 1221223 | | | 236.4 | 1182053 | | |
| 45 | | 62.2 | 401.2 | 127.3 | 3.15 | 59.6 | 384.0 | 135.1 | 2.84 | 57.8 | 372.5 | 140.6 | 2.65 | 56.0 | 360.9 | 146.5 | 2.46 | 54.2 | 349.4 | 152.7 | 2.29 |
| | | 273.8 | 1368894 | | | 262.0 | 1310140 | | | 254.2 | 1270834 | | | 246.3 | 1231527 | | | 238.4 | 1192153 | | |
| 46 | | 62.7 | 404.5 | 127.6 | 3.17 | 60.0 | 387.1 | 135.4 | 2.86 | 58.2 | 375.6 | 140.9 | 2.67 | 56.8 | 366.3 | 146.8 | 2.50 | 55.0 | 354.6 | 153.0 | 2.32 |
| | | 276.0 | 1380018 | | | 264.2 | 1320922 | | | 256.3 | 1281411 | | | 250.0 | 1249952 | | | 242.0 | 1209827 | | |

## TTC2S2L220

| TTC2S2L220 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 68.9 | 443.9 | 146.8 | 3.03 | 65.7 | 423.5 | 155.6 | 2.72 | 63.6 | 409.9 | 161.9 | 2.53 | 61.5 | 396.4 | 168.5 | 2.35 | 59.4 | 382.9 | 175.6 | 2.18 |
| | | 302.9 | 1514723 | | | 289.0 | 1444846 | | | 279.7 | 1398442 | | | 270.5 | 1352380 | | | 261.3 | 1306591 | | |
| 44 | | 71.3 | 459.9 | 147.2 | 3.12 | 68.1 | 438.8 | 157.2 | 2.79 | 65.9 | 424.7 | 163.5 | 2.60 | 63.7 | 410.8 | 170.1 | 2.41 | 61.6 | 397.0 | 177.2 | 2.24 |
| | | 313.9 | 1569315 | | | 299.4 | 1497186 | | | 289.8 | 1449213 | | | 280.3 | 1401581 | | | 270.9 | 1354428 | | |
| 45 | | 71.9 | 463.6 | 148.6 | 3.12 | 68.6 | 442.3 | 157.5 | 2.81 | 66.4 | 428.1 | 163.8 | 2.61 | 64.2 | 414.0 | 170.5 | 2.43 | 62.1 | 400.1 | 177.6 | 2.25 |
| | | 316.3 | 1581667 | | | 301.8 | 1508991 | | | 292.1 | 1460677 | | | 282.5 | 1412704 | | | 273.0 | 1365209 | | |
| 46 | | 72.5 | 467.2 | 149.0 | 3.14 | 69.1 | 445.7 | 157.9 | 2.82 | 66.9 | 431.5 | 164.2 | 2.63 | 64.7 | 417.3 | 170.9 | 2.44 | 62.5 | 403.3 | 177.9 | 2.27 |
| | | 318.8 | 1594018 | | | 304.2 | 1520865 | | | 294.4 | 1472142 | | | 284.8 | 1423828 | | | 275.2 | 1375991 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 2 Circuit

**TTC2S2L250**

| TTC2S2L250 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 77.9 | 502.1 | 162.8 | 3.08 | 74.4 | 479.7 | 173.8 | 2.76 | 72.1 | 464.7 | 180.8 | 2.57 | 69.7 | 449.7 | 188.3 | 2.39 | 67.4 | 434.6 | 196.2 | 2.22 |
| | | 342.6 | 1713233 | | | 327.3 | 1636668 | | | 317.1 | 1585556 | | | 306.9 | 1534308 | | | 296.6 | 1482992 | | |
| 44 | | 80.4 | 518.2 | 163.0 | 3.18 | 76.8 | 495.2 | 175.2 | 2.83 | 74.4 | 479.9 | 182.2 | 2.63 | 72.0 | 464.5 | 189.7 | 2.45 | 69.6 | 449.1 | 197.6 | 2.27 |
| | | 353.6 | 1768167 | | | 337.9 | 1689691 | | | 327.5 | 1637351 | | | 317.0 | 1584874 | | | 306.5 | 1532261 | | |
| 45 | | 81.0 | 522.4 | 165.0 | 3.17 | 77.4 | 499.2 | 175.6 | 2.84 | 75.0 | 483.8 | 182.6 | 2.65 | 72.6 | 468.3 | 190.0 | 2.46 | 70.2 | 452.8 | 198.0 | 2.29 |
| | | 356.5 | 1782429 | | | 340.7 | 1703407 | | | 330.1 | 1650726 | | | 319.6 | 1597976 | | | 309.0 | 1545022 | | |
| 46 | | 81.7 | 526.6 | 166.1 | 3.17 | 78.1 | 503.3 | 176.0 | 2.86 | 75.6 | 487.8 | 183.0 | 2.67 | 73.2 | 472.2 | 190.4 | 2.48 | 70.8 | 456.6 | 198.4 | 2.30 |
| | | 359.3 | 1796691 | | | 343.5 | 1717260 | | | 332.8 | 1664237 | | | 322.2 | 1611078 | | | 311.6 | 1557851 | | |

**TTC2S2L280**

| TTC2S2L280 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 88.0 | 567.6 | 186.4 | 3.05 | 84.1 | 542.1 | 201.8 | 2.69 | 81.4 | 525.1 | 209.8 | 2.50 | 78.8 | 508.2 | 218.2 | 2.33 | 76.2 | 491.3 | 227.2 | 2.16 |
| | | 387.3 | 1936651 | | | 369.9 | 1849713 | | | 358.3 | 1791641 | | | 346.8 | 1733978 | | | 335.3 | 1676316 | | |
| 44 | | 90.6 | 584.1 | 187.0 | 3.12 | 86.5 | 558.0 | 203.4 | 2.74 | 83.8 | 540.5 | 211.5 | 2.56 | 81.1 | 523.2 | 220.0 | 2.38 | 78.5 | 505.9 | 228.9 | 2.21 |
| | | 398.6 | 1992813 | | | 380.8 | 1903828 | | | 368.9 | 1844322 | | | 357.0 | 1785227 | | | 345.3 | 1726267 | | |
| 45 | | 91.3 | 588.7 | 187.8 | 3.13 | 87.2 | 562.4 | 203.9 | 2.76 | 84.5 | 544.9 | 212.0 | 2.57 | 81.8 | 527.4 | 220.4 | 2.39 | 79.1 | 510.1 | 229.4 | 2.22 |
| | | 401.7 | 2008576 | | | 383.8 | 1919045 | | | 371.8 | 1859131 | | | 359.9 | 1799625 | | | 348.1 | 1740325 | | |
| 46 | | 92.0 | 593.3 | 188.8 | 3.14 | 87.9 | 566.9 | 204.4 | 2.77 | 85.2 | 549.2 | 174.9 | 3.14 | 82.5 | 531.7 | 183.6 | 2.90 | 79.7 | 514.2 | 193.2 | 2.66 |
| | | 404.9 | 2024476 | | | 386.9 | 1934263 | | | 374.8 | 1873939 | | | 362.8 | 1814092 | | | 350.9 | 1754382 | | |

Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

# Air Cooled Screw Chillers Rating Table / R-134a / Tropical / 2 Circuit

## TTC2S2L320

| TTC2S2L320 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 100.8 | 649.8 | 223.9 | 2.90 | 96.0 | 618.7 | 236.6 | 2.61 | 92.7 | 598.0 | 245.5 | 2.44 | 89.5 | 577.2 | 254.7 | 2.27 | 86.3 | 556.6 | 264.1 | 2.11 |
| | | 443.4 | 2217049 | | | 422.2 | 2110936 | | | 408.1 | 2040308 | | | 393.9 | 1969475 | | | 379.8 | 1899119 | | |
| 44 | | 103.6 | 668.1 | 226.6 | 2.95 | 98.7 | 636.3 | 238.4 | 2.67 | 95.4 | 615.1 | 247.2 | 2.49 | 92.1 | 593.8 | 256.5 | 2.32 | 88.8 | 572.7 | 265.9 | 2.15 |
| | | 455.9 | 2279421 | | | 434.2 | 2170919 | | | 419.7 | 2098653 | | | 405.2 | 2026182 | | | 390.8 | 1954121 | | |
| 45 | | 104.4 | 673.2 | 226.8 | 2.97 | 99.4 | 641.2 | 238.9 | 2.68 | 96.1 | 619.9 | 247.7 | 2.50 | 92.8 | 598.5 | 257.0 | 2.33 | 89.5 | 577.2 | 266.4 | 2.17 |
| | | 459.4 | 2296890 | | | 437.5 | 2187706 | | | 423.0 | 2115099 | | | 408.4 | 2042150 | | | 393.9 | 1969543 | | |
| 46 | | 105.2 | 678.3 | 27.0 | 25.12 | 100.2 | 646.1 | 239.4 | 2.70 | 96.9 | 624.7 | 248.2 | 2.52 | 93.6 | 603.2 | 257.5 | 2.34 | 90.2 | 581.8 | 266.9 | 2.18 |
| | | 462.9 | 2314496 | | | 440.9 | 2204630 | | | 426.3 | 2131545 | | | 411.6 | 2058118 | | | 397.0 | 1985102 | | |

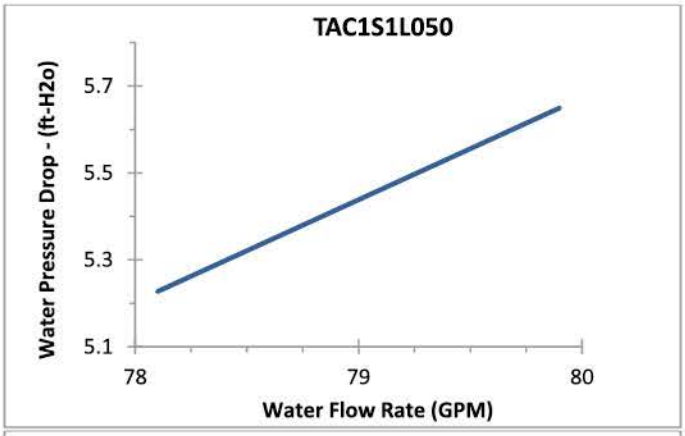
## TTC2S2L360

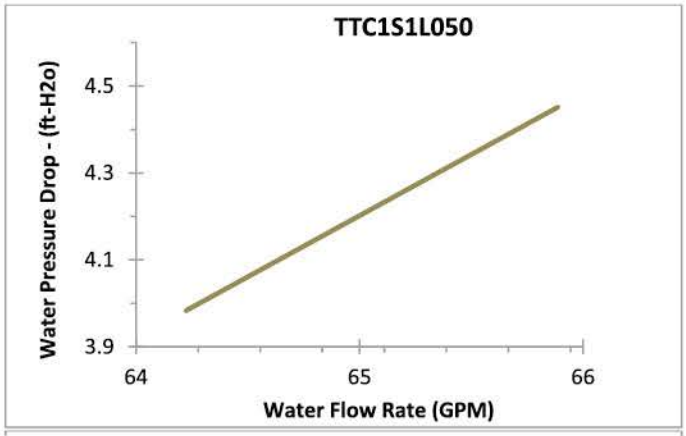
| TTC2S2L360 | | AMBIENT TEMP °C(°F) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 (113) | | | | 48 (118.4) | | | | 50 (122) | | | | 52 (125.6) | | | | 54 (129.2) | | | |
| LCWT (°F) | WTD(°F) | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP | WATER FLOW RATE- m3/h (GPM) | CAPACITY- KW (BTU/H) | COMPRESSOR POWER INPUT KW | COP |
| 42 | 10 | 116.5 | 751.0 | 255.0 | 2.95 | 111.1 | 716.1 | 268.4 | 2.67 | 107.5 | 692.9 | 278.0 | 2.49 | 103.9 | 669.7 | 288.1 | 2.32 | 100.3 | 646.7 | 298.8 | 2.16 |
| | | 512.5 | 2562412 | | | 488.7 | 2443470 | | | 472.8 | 2364107 | | | 457.0 | 2285153 | | | 441.3 | 2206609 | | |
| 44 | | 118.9 | 766.7 | 256.7 | 2.99 | 113.4 | 731.2 | 270.2 | 2.71 | 109.7 | 707.5 | 279.8 | 2.53 | 106.1 | 683.8 | 289.8 | 2.36 | 102.4 | 660.4 | 300.6 | 2.20 |
| | | 523.2 | 2616117 | | | 499.0 | 2494786 | | | 482.8 | 2413854 | | | 466.7 | 2333262 | | | 450.6 | 2253217 | | |
| 45 | | 119.8 | 772.5 | 257.3 | 3.00 | 114.3 | 736.7 | 270.8 | 2.72 | 110.6 | 712.8 | 280.4 | 2.54 | 106.9 | 689.0 | 290.5 | 2.37 | 103.2 | 665.4 | 301.2 | 2.21 |
| | | 527.2 | 2635906 | | | 502.7 | 2513689 | | | 486.4 | 2432142 | | | 470.2 | 2350936 | | | 454.1 | 2270345 | | |
| 46 | | 120.7 | 778.4 | 257.9 | 3.02 | 115.1 | 742.3 | 271.4 | 2.73 | 111.4 | 718.2 | 281.1 | 2.56 | 107.7 | 694.2 | 291.2 | 2.38 | 104.0 | 670.4 | 301.9 | 2.22 |
| | | 531.2 | 2655764 | | | 506.5 | 2532659 | | | 490.1 | 2450498 | | | 473.7 | 2368747 | | | 457.5 | 2287541 | | |

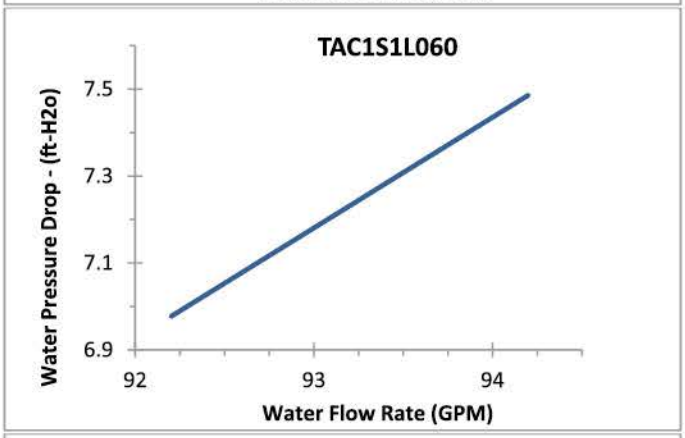
Refrigerant: R-134a
LCWT: Leaving Chilled Water Temperature
WTD: Water Temperature Drop
COP: Coefficient of Performance

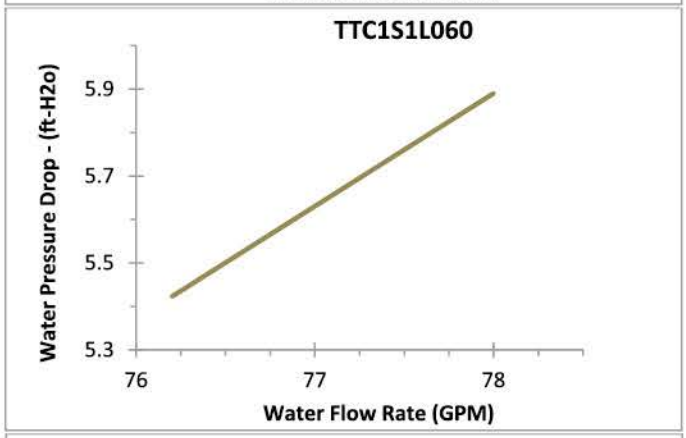
## Evaporator Water Pressure Drop Graph:

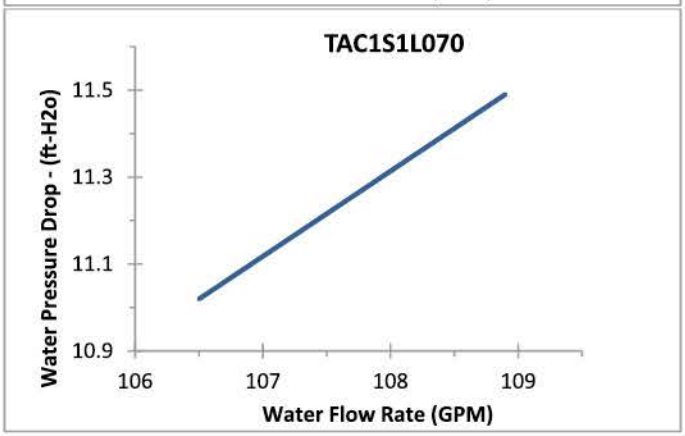
### R134a N-T

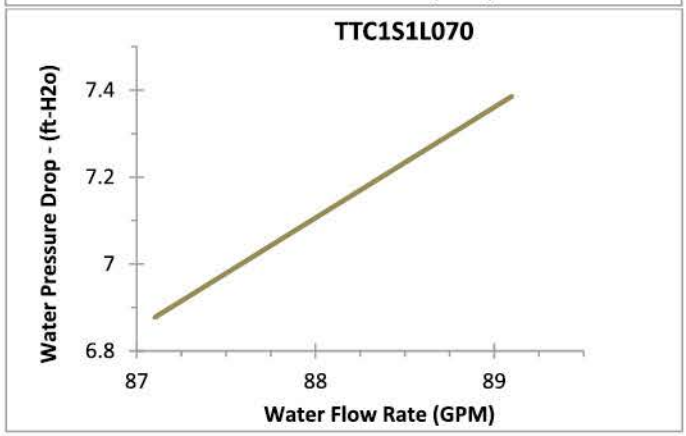


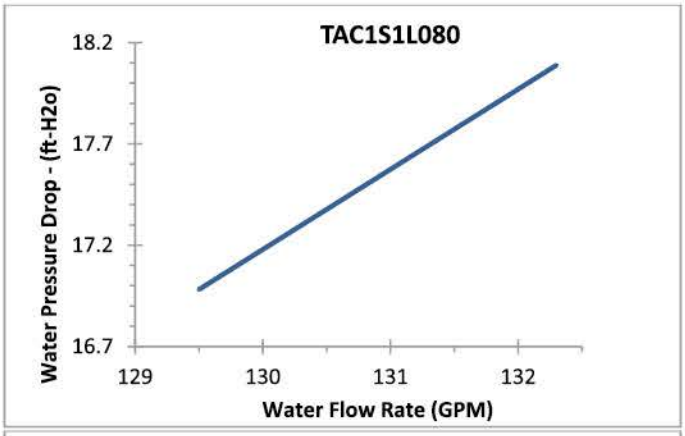



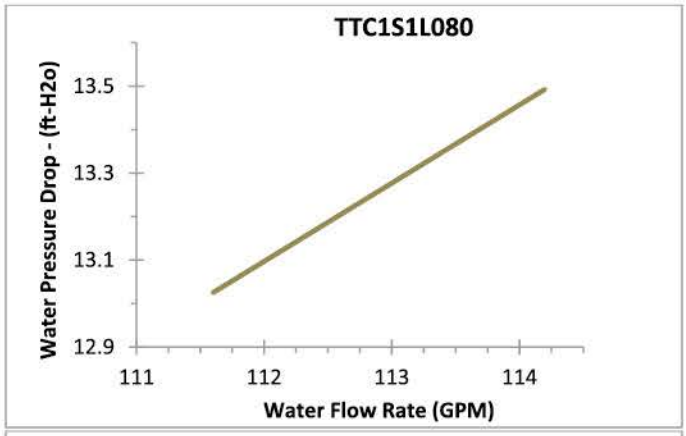



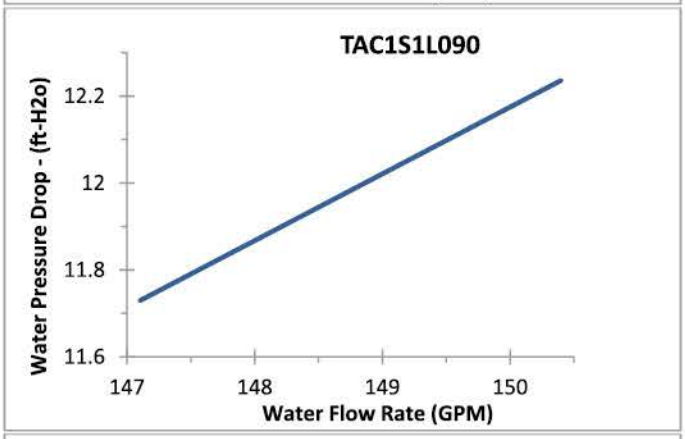



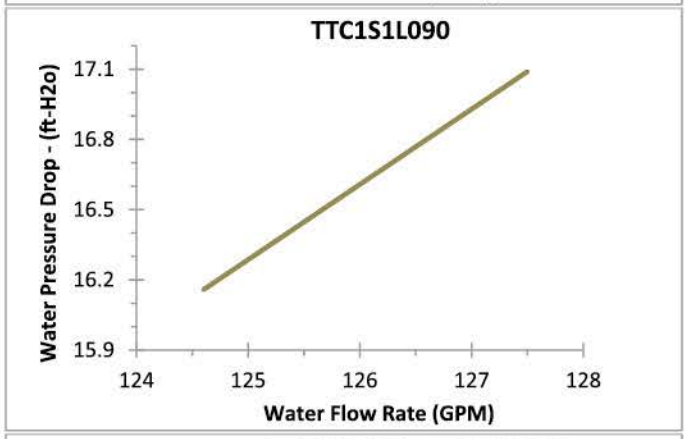



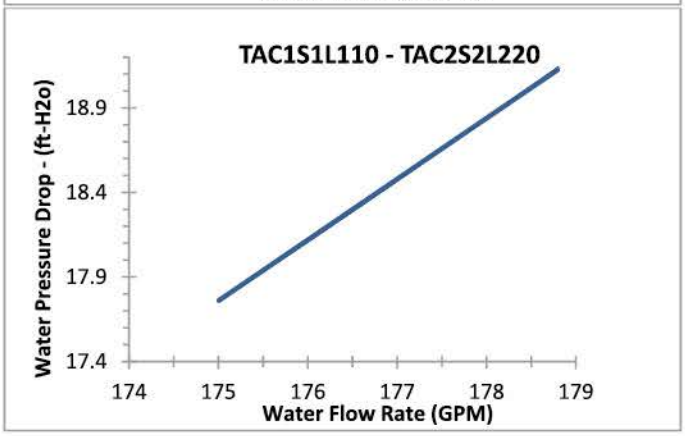
## R134a N-T

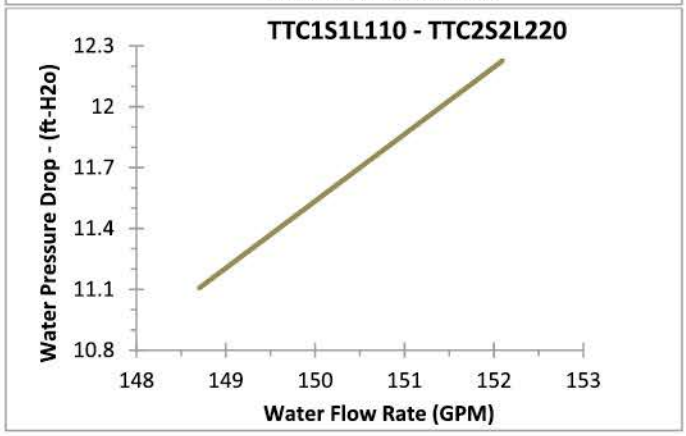

TAC1S1L080
Water Pressure Drop - (ft-H2o)
18.2
17.7
17.2
16.7
129
130
131
132
Water Flow Rate (GPM)


TTC1S1L080
Water Pressure Drop - (ft-H2o)
13.5
13.3
13.1
12.9
111
112
113
114
Water Flow Rate (GPM)

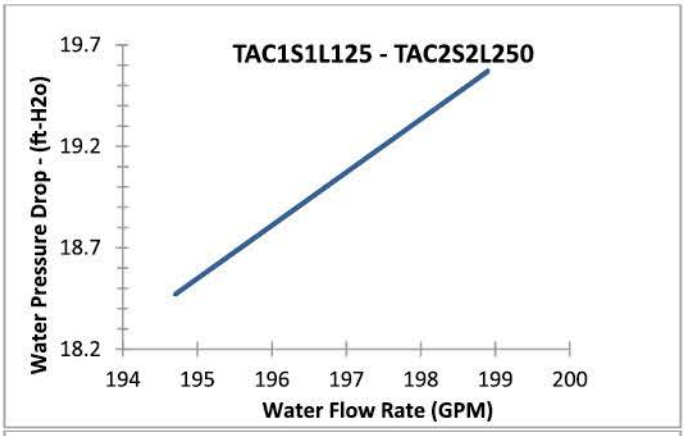

TAC1S1L090
Water Pressure Drop - (ft-H2o)
12.2
12
11.8
11.6
147
148
149
150
Water Flow Rate (GPM)

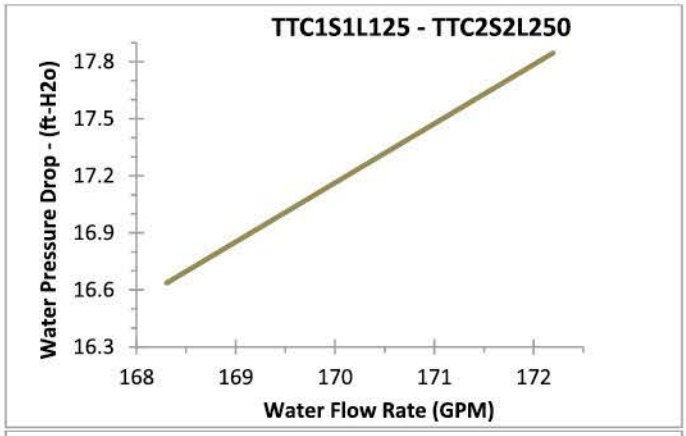

TTC1S1L090
Water Pressure Drop - (ft-H2o)
17.1
16.8
16.5
16.2
15.9
124
125
126
127
128
Water Flow Rate (GPM)

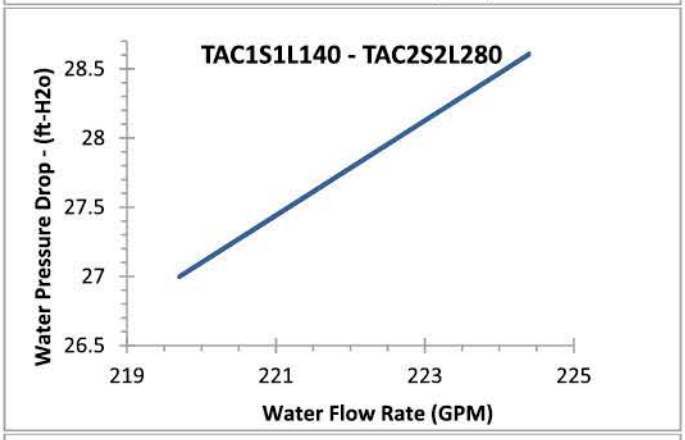

TAC1S1L110 - TAC2S2L220
Water Pressure Drop - (ft-H2o)
18.9
18.4
17.9
17.4
174
175
176
177
178
179
Water Flow Rate (GPM)

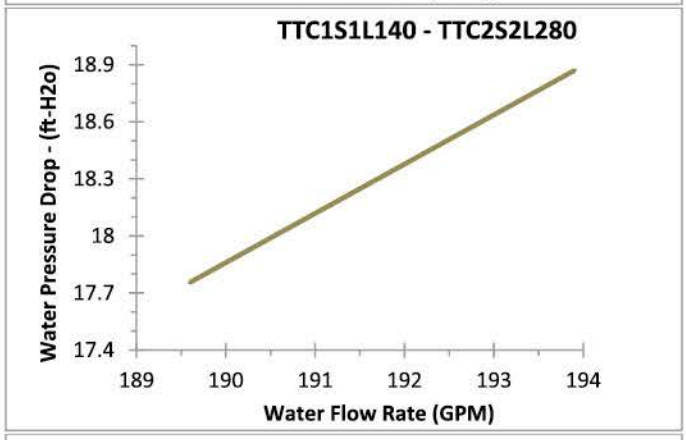

TTC1S1L110 - TTC2S2L220
Water Pressure Drop - (ft-H2o)
12.3
12
11.7
11.4
11.1
10.8
148
149
150
151
152
153
Water Flow Rate (GPM)

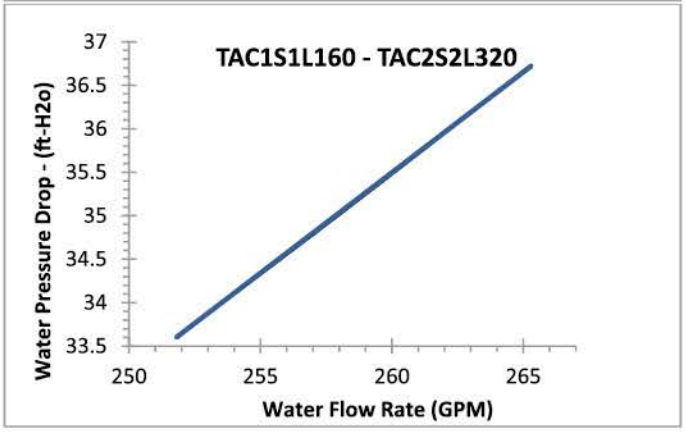
## R134a N-T

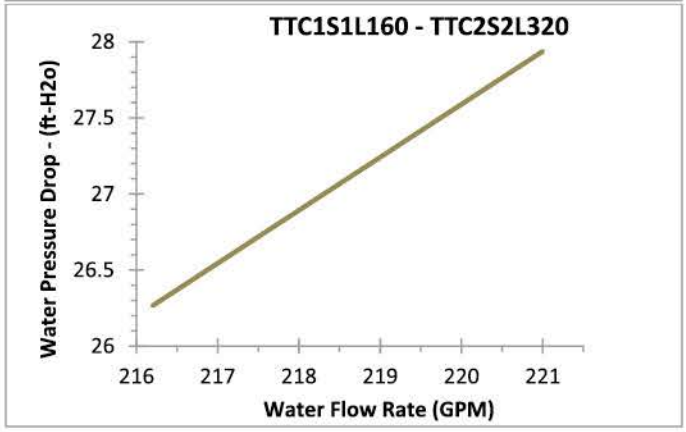


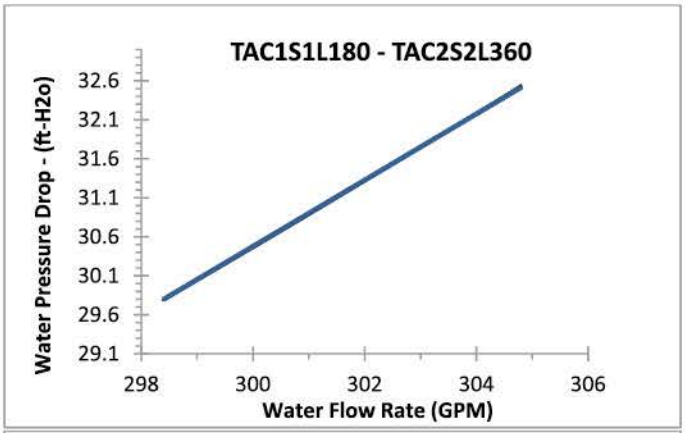



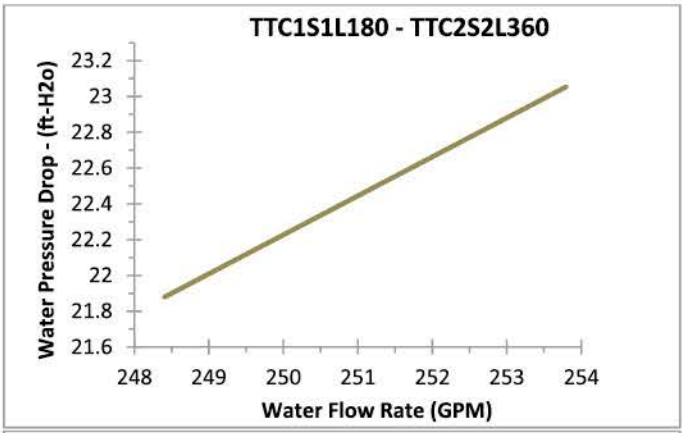



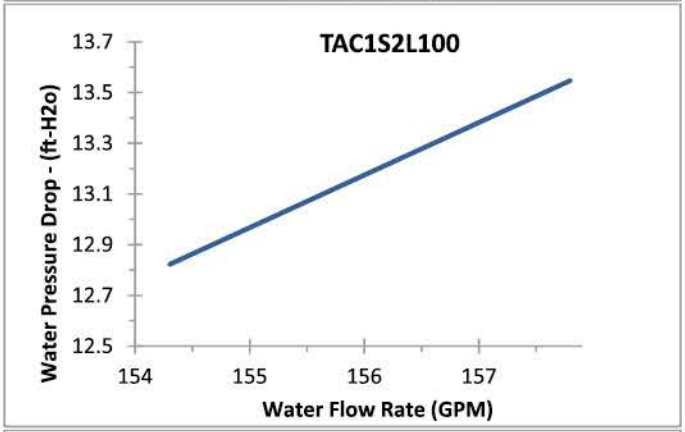



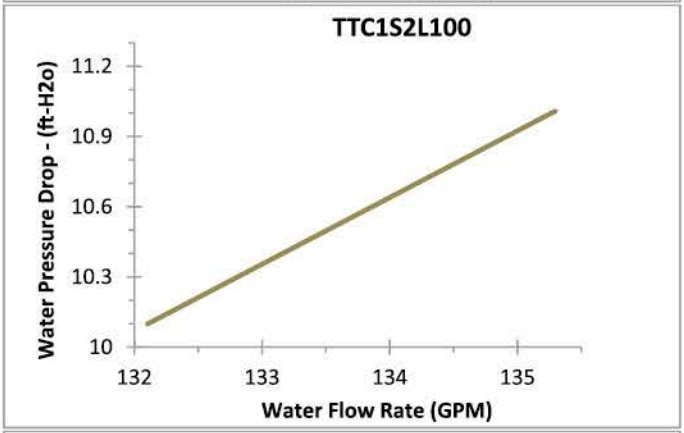



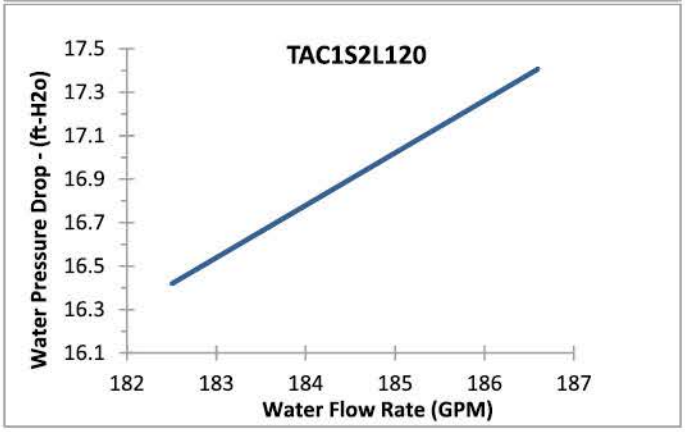
## R134a N-T

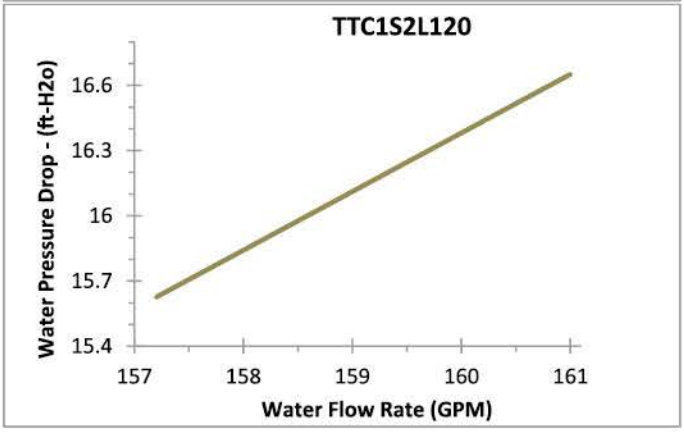

TAC1S1L180 - TAC2S2L360
Water Pressure Drop - (ft-H2o)
32.6
32.1
31.6
31.1
30.6
30.1
29.6
29.1
298
300
302
304
306
Water Flow Rate (GPM)


TTC1S1L180 - TTC2S2L360
Water Pressure Drop - (ft-H2o)
23.2
23
22.8
22.6
22.4
22.2
22
21.8
21.6
248
249
250
251
252
253
254
Water Flow Rate (GPM)

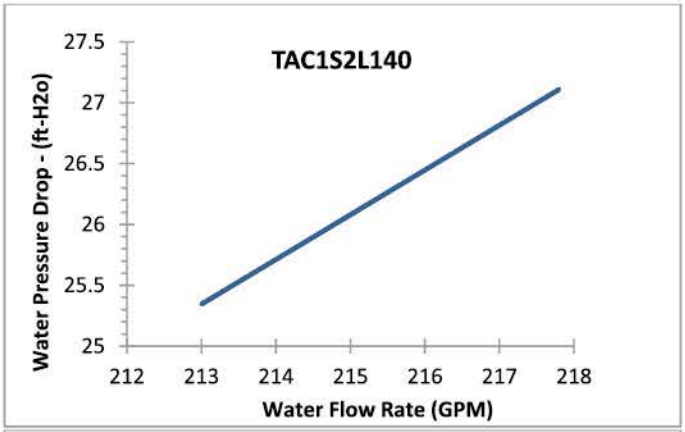

TAC1S2L100
Water Pressure Drop - (ft-H2o)
13.7
13.5
13.3
13.1
12.9
12.7
12.5
154
155
156
157
Water Flow Rate (GPM)

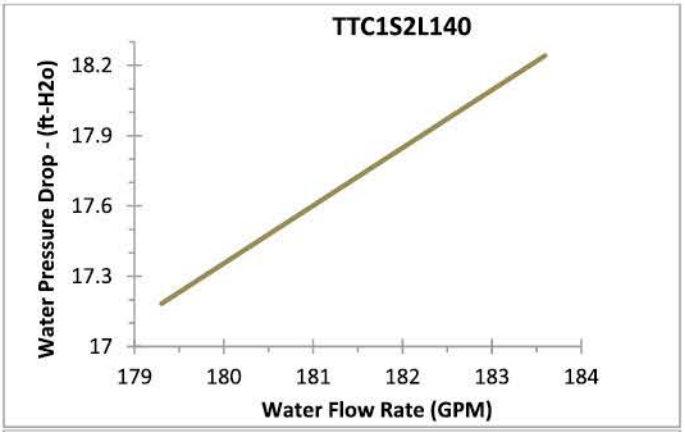

TTC1S2L100
Water Pressure Drop - (ft-H2o)
11.2
10.9
10.6
10.3
10
132
133
134
135
Water Flow Rate (GPM)

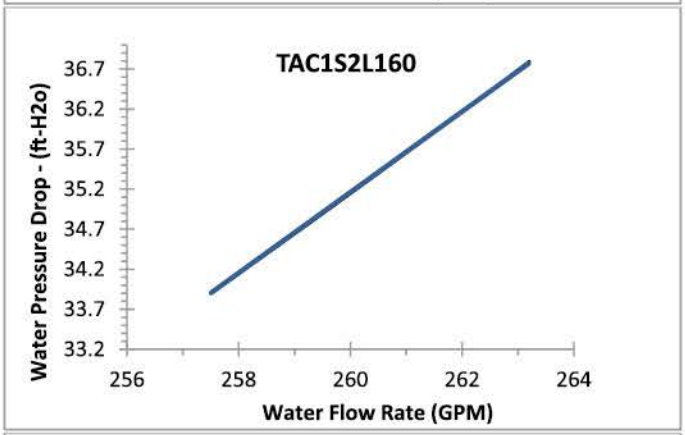

TAC1S2L120
Water Pressure Drop - (ft-H2o)
17.5
17.3
17.1
16.9
16.7
16.5
16.3
16.1
182
183
184
185
186
187
Water Flow Rate (GPM)

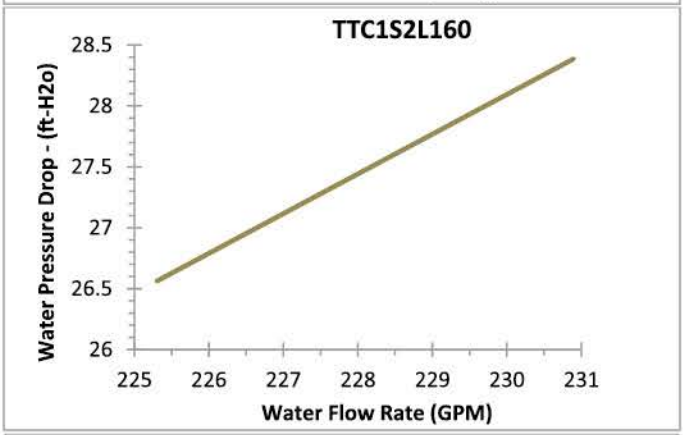

TTC1S2L120
Water Pressure Drop - (ft-H2o)
16.6
16.3
16
15.7
15.4
157
158
159
160
161
Water Flow Rate (GPM)

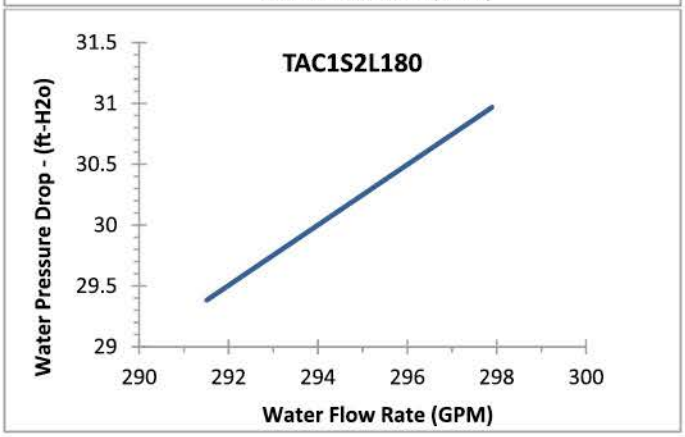
## R134a N-T

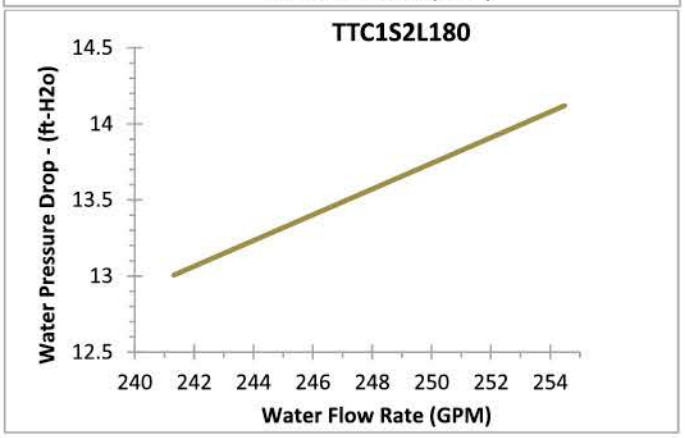


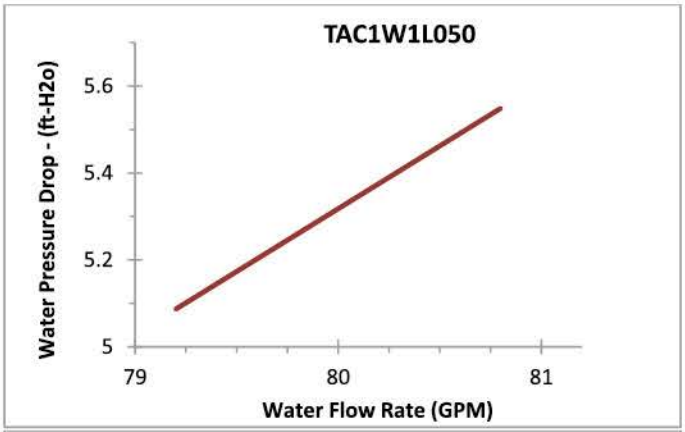



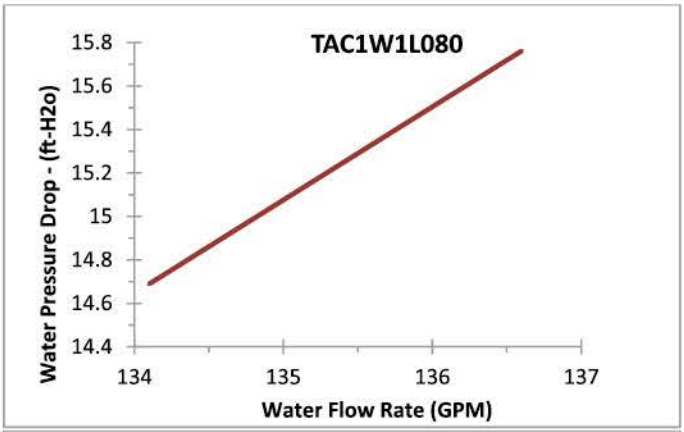



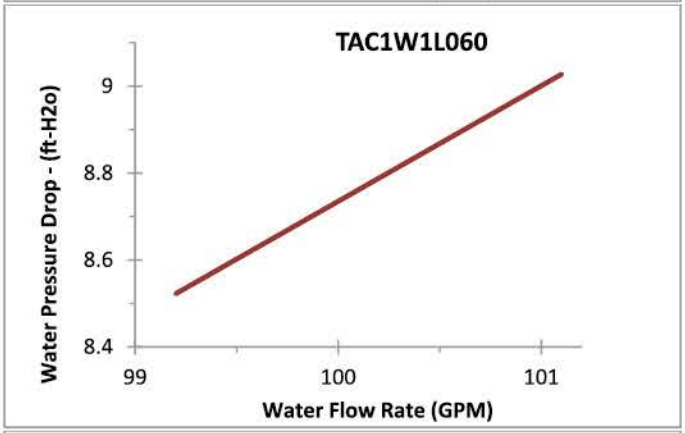



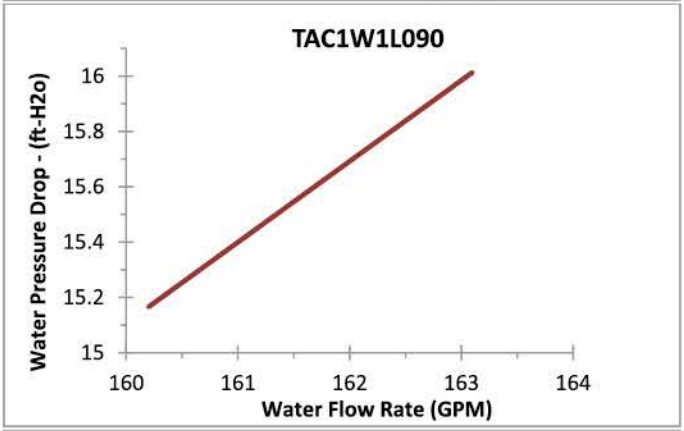



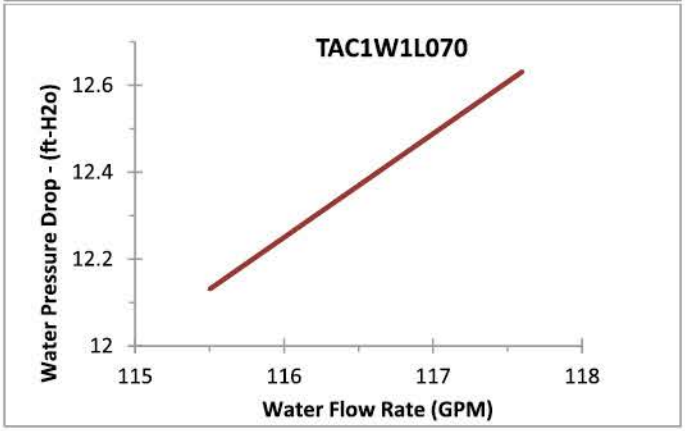
## R22

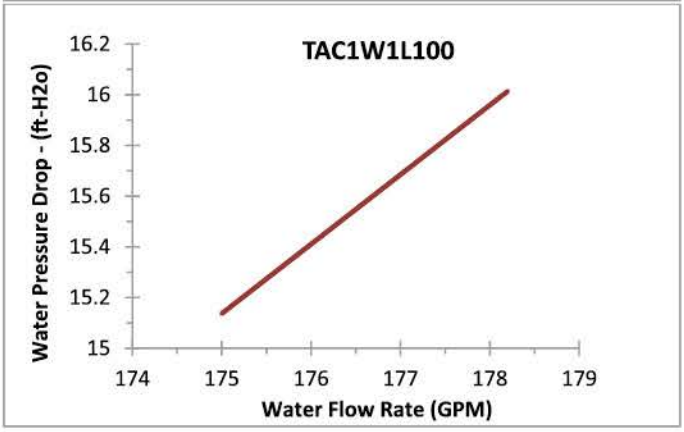

TAC1W1L050
Water Pressure Drop - (ft-H2o)
5.6
5.4
5.2
5
79
80
81
Water Flow Rate (GPM)


TAC1W1L080
Water Pressure Drop - (ft-H2o)
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
134
135
136
137
Water Flow Rate (GPM)

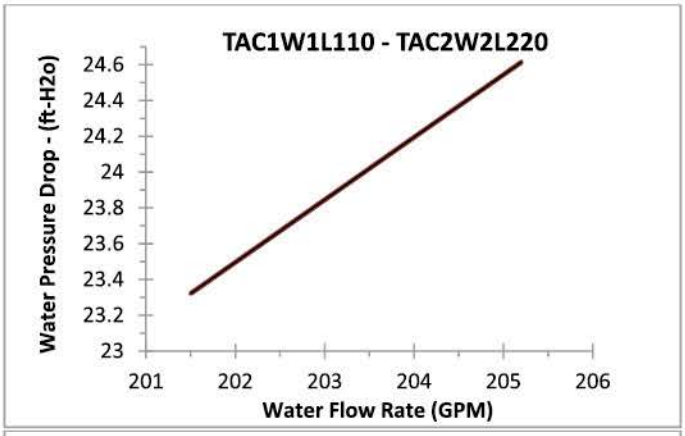

TAC1W1L060
Water Pressure Drop - (ft-H2o)
9
8.8
8.6
8.4
99
100
101
Water Flow Rate (GPM)

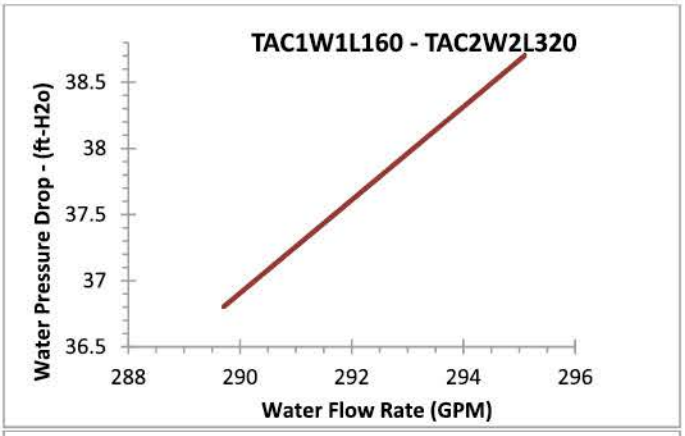

TAC1W1L090
Water Pressure Drop - (ft-H2o)
16
15.8
15.6
15.4
15.2
15
160
161
162
163
164
Water Flow Rate (GPM)

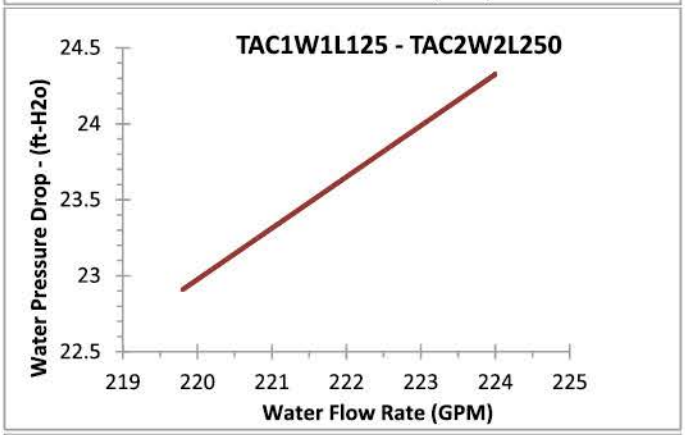

TAC1W1L070
Water Pressure Drop - (ft-H2o)
12.6
12.4
12.2
12
115
116
117
118
Water Flow Rate (GPM)

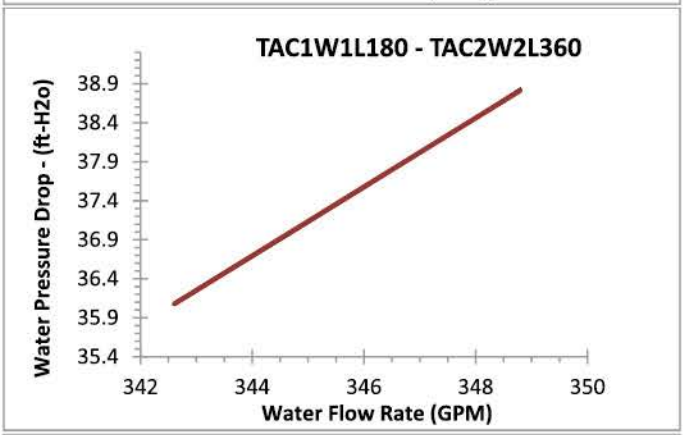

TAC1W1L100
Water Pressure Drop - (ft-H2o)
16.2
16
15.8
15.6
15.4
15.2
15
174
175
176
177
178
179
Water Flow Rate (GPM)

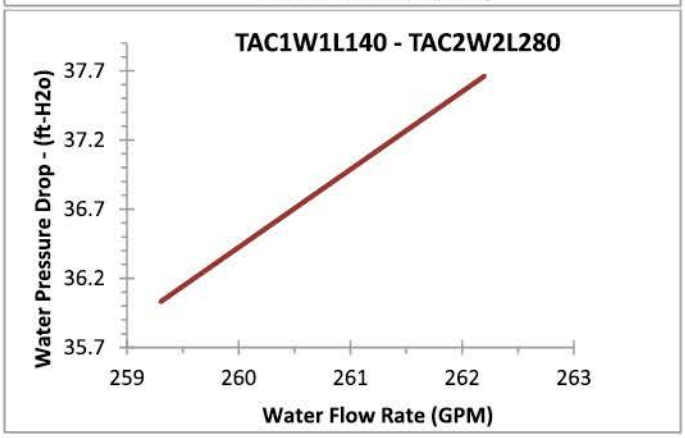
## R22

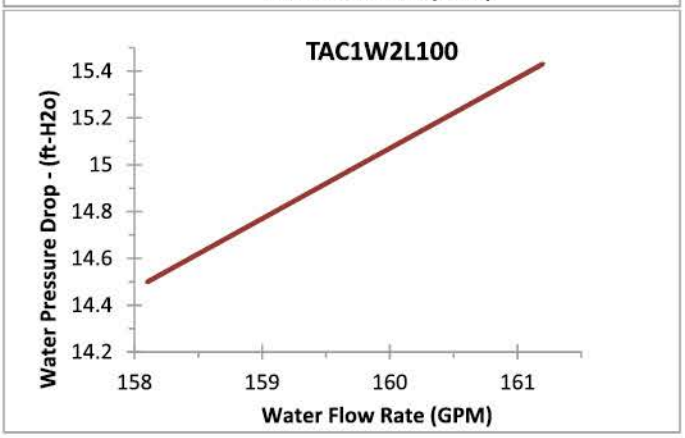


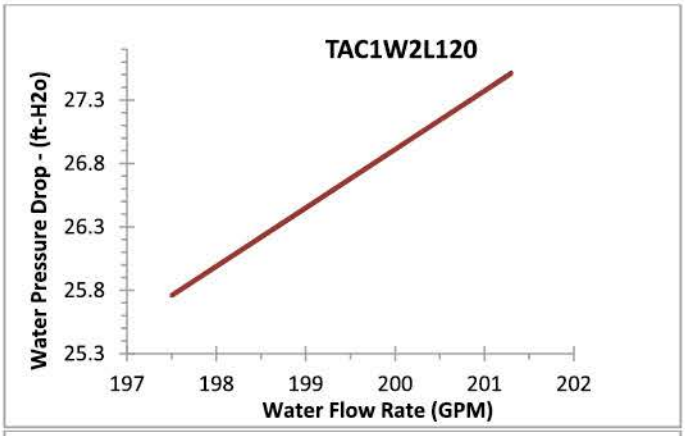



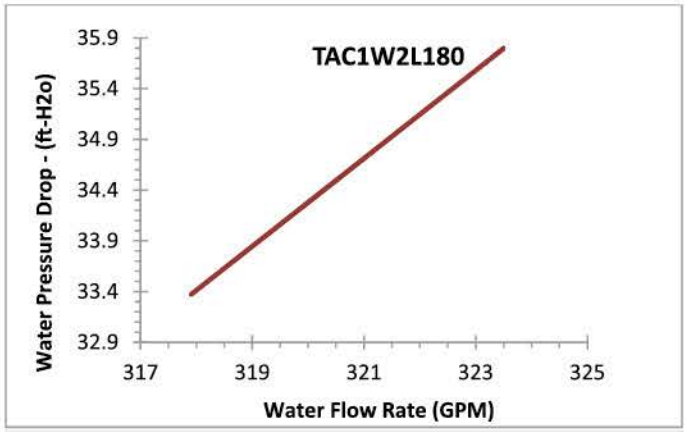



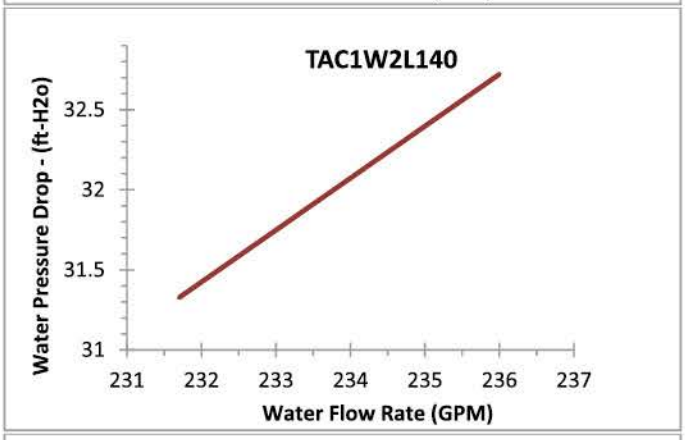



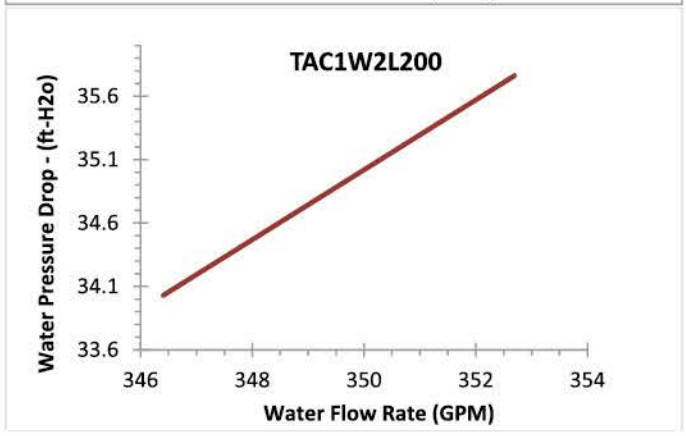



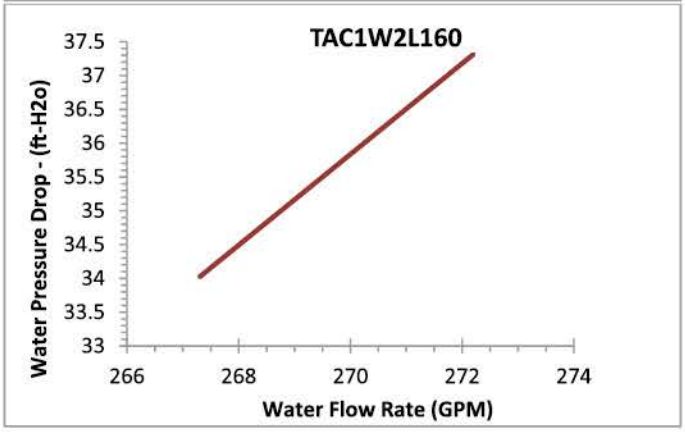
## R22


TAC1W2L120
Water Pressure Drop - (ft-H2o)
27.3
26.8
26.3
25.8
25.3
197
198
199
200
201
202
Water Flow Rate (GPM)


TAC1W2L180
Water Pressure Drop - (ft-H2o)
35.9
35.4
34.9
34.4
33.9
33.4
32.9
317
319
321
323
325
Water Flow Rate (GPM)


TAC1W2L140
Water Pressure Drop - (ft-H2o)
32.5
32
31.5
31
231
232
233
234
235
236
237
Water Flow Rate (GPM)


TAC1W2L200
Water Pressure Drop - (ft-H2o)
35.6
35.1
34.6
34.1
33.6
346
348
350
352
354
Water Flow Rate (GPM)

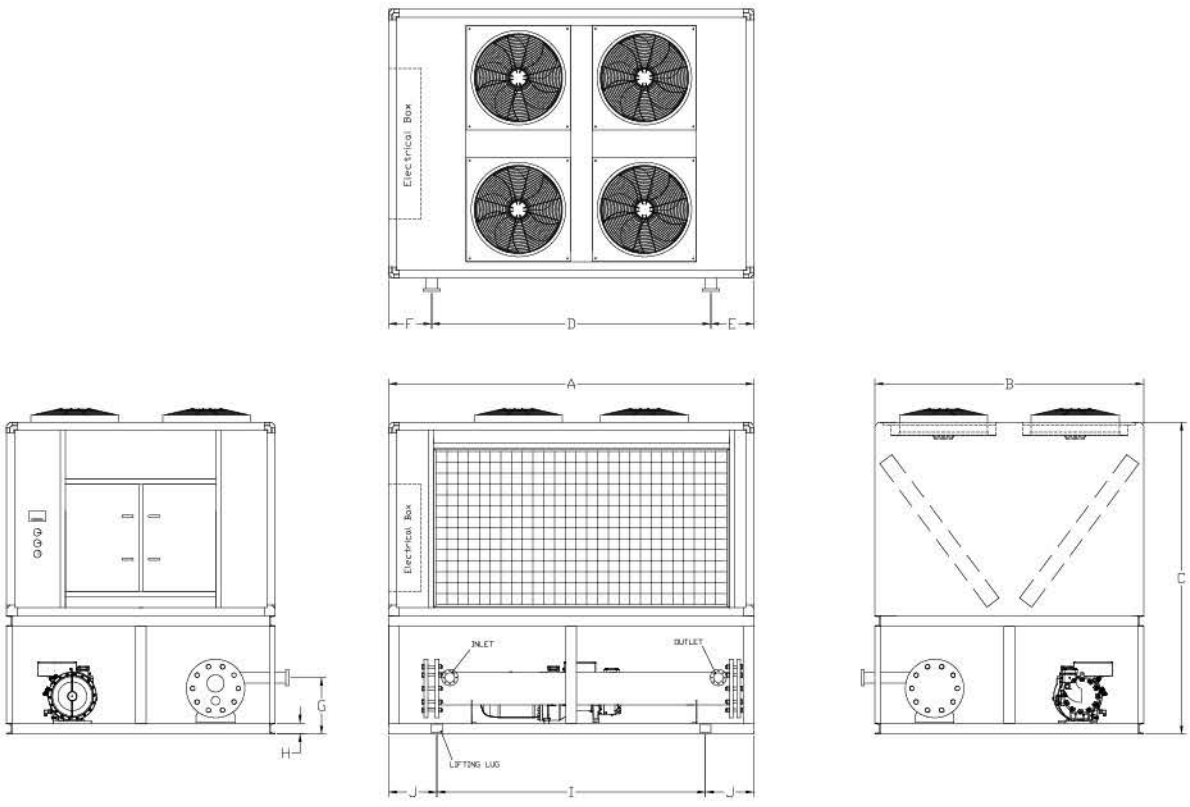

TAC1W2L160
Water Pressure Drop - (ft-H2o)
37.5
37
36.5
36
35.5
35
34.5
34
33.5
33
266
268
270
272
274
Water Flow Rate (GPM)

## Dimensional Date:

### Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W1L050 | 3000 | 2400 | 2400 | 1780 | 490 | 730 | 470 | 100 | 2000 | 500 | 4" |
| TAC1W1L060 | 3300 | 2400 | 2750 | 1980 | 590 | 730 | 470 | 100 | 2300 | 500 | 4" |
| TAC1W1L070 | 3350 | 2400 | 2750 | 2280 | 390 | 680 | 470 | 100 | 2350 | 500 | 4" |

**ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W1L080 | 3900 | 2400 | 2750 | 2280 | 810 | 810 | 490 | 120 | 2500 | 700 | 4" |
| TAC1W1L090 | 3900 | 2400 | 2750 | 2280 | 810 | 810 | 500 | 120 | 2500 | 700 | 6" |
| TAC1W1L100 | 3900 | 2400 | 2750 | 2780 | 390 | 730 | 500 | 120 | 2500 | 700 | 6" |

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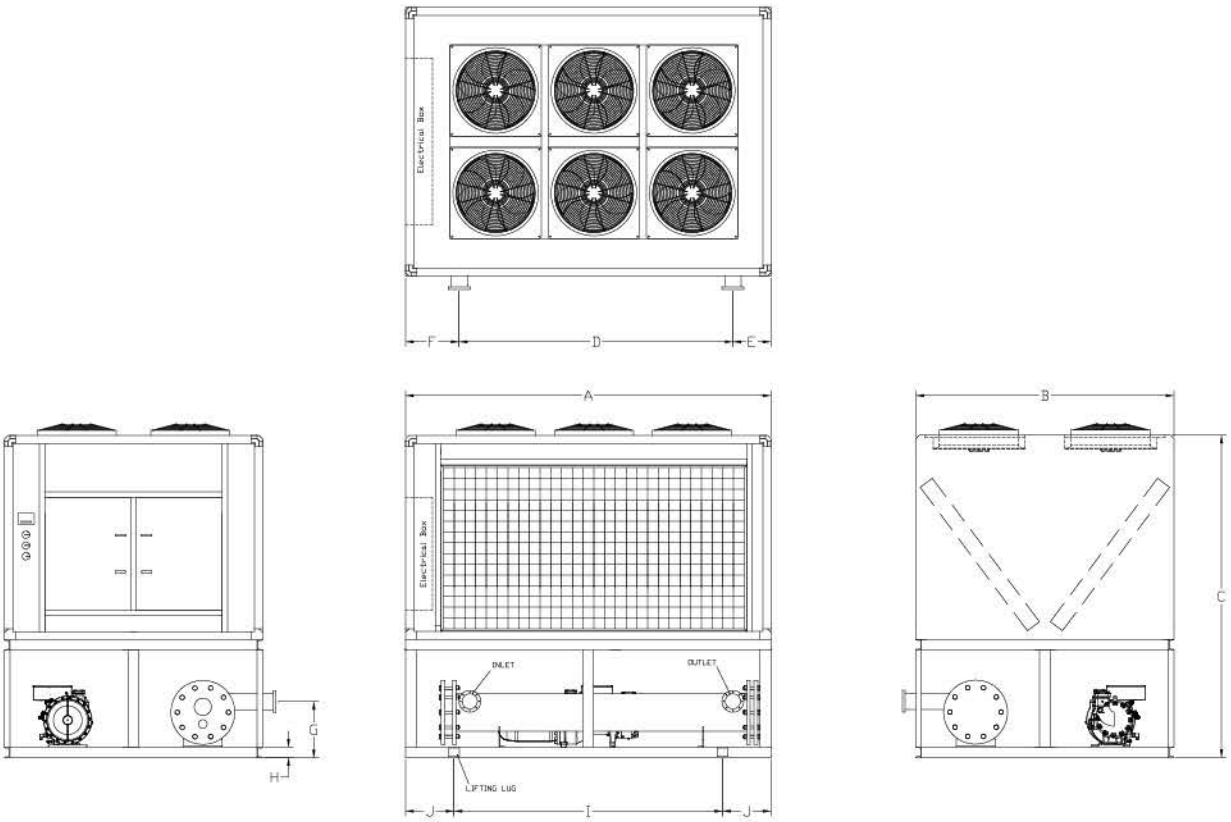
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W2L100 | 4000 | 2600 | 2750 | 2280 | 490 | 730 | 300 | 120 | 2600 | 700 | 6" |

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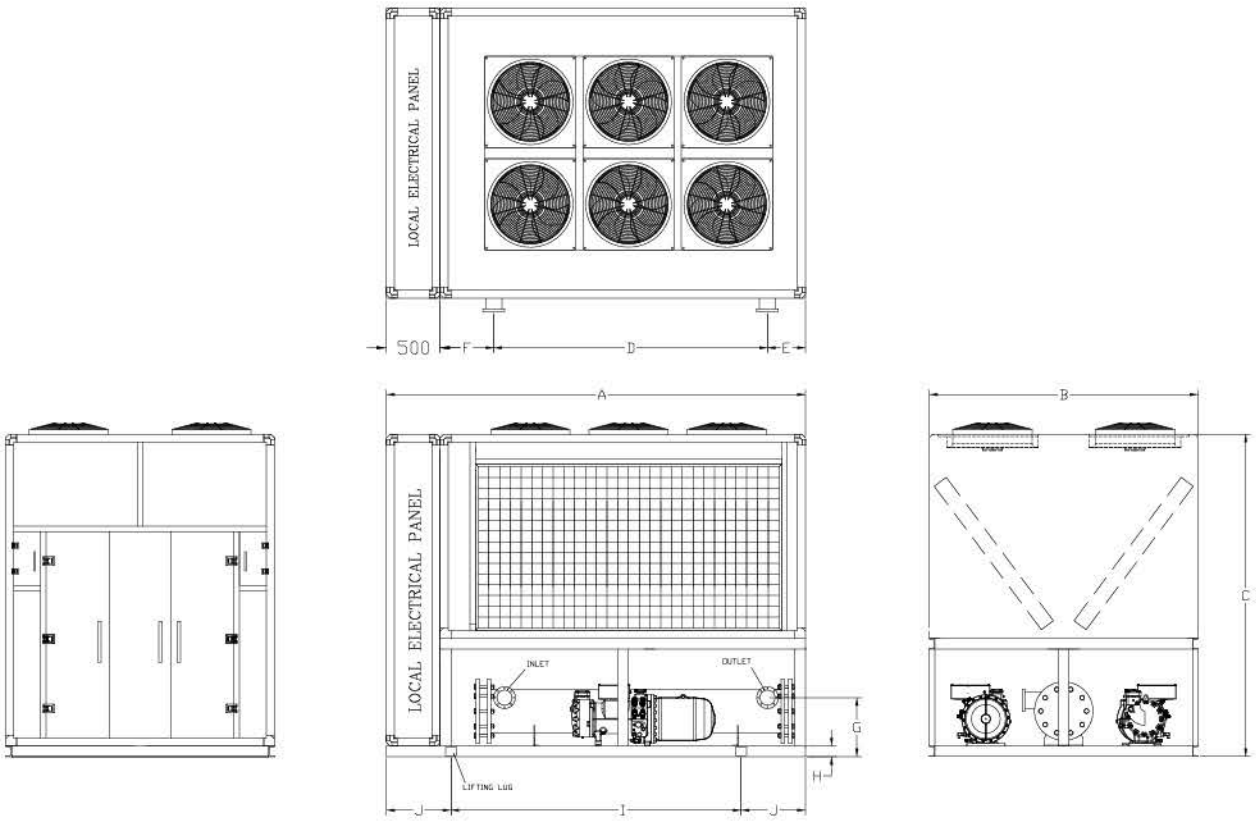
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



# Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W1L110 | 3950 | 2600 | 3100 | 2780 | 440 | 730 | 500 | 120 | 2550 | 700 | 6" |
| TAC1W1L125 | 3950 | 2600 | 3100 | 2280 | 835 | 835 | 550 | 120 | 2550 | 700 | 6" |
| TAC1W1L140 | 3950 | 2600 | 3100 | 2780 | 440 | 730 | 550 | 120 | 2550 | 700 | 6" |

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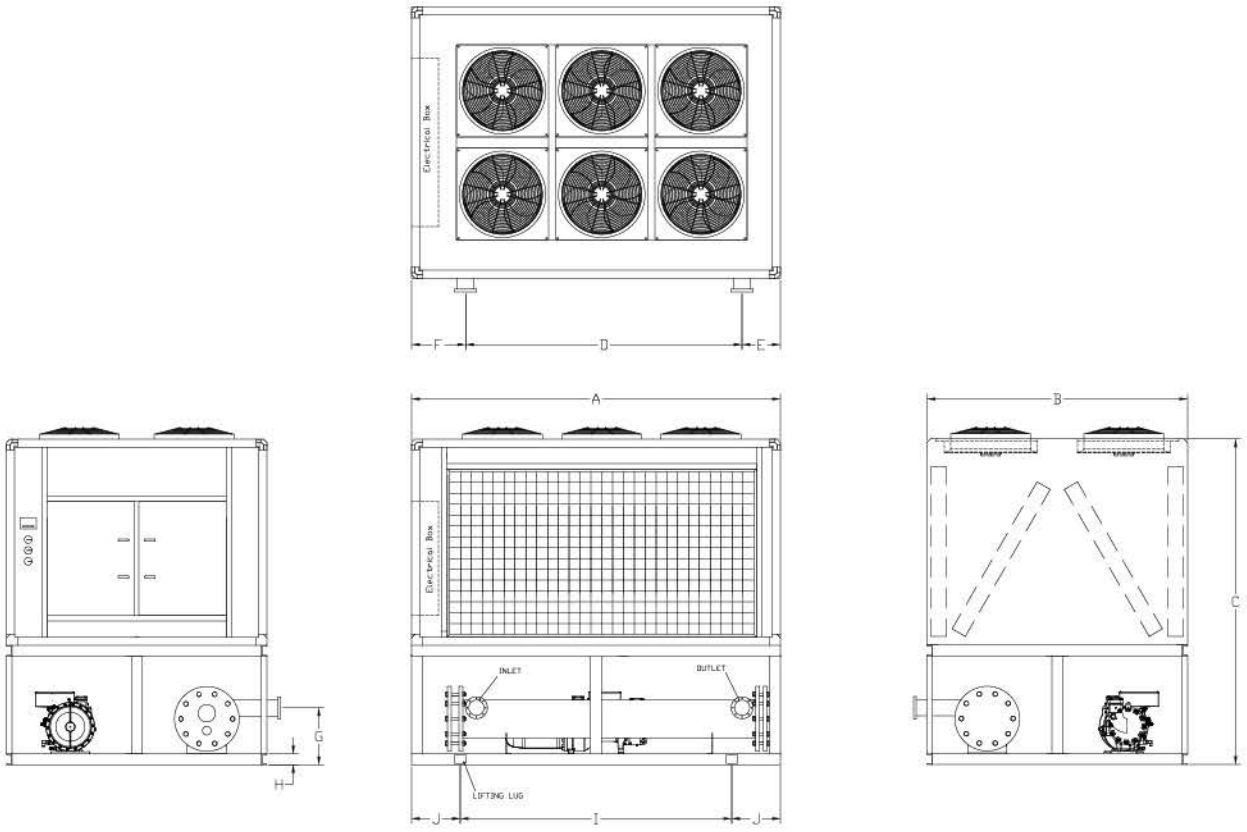
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W2L120 | 4350 | 2800 | 3100 | 2780 | 390 | 680 | 550 | 120 | 2950 | 700 | 6" |
| TAC1W2L140 | 4350 | 2800 | 3100 | 2780 | 390 | 680 | 550 | 120 | 2950 | 700 | 6" |

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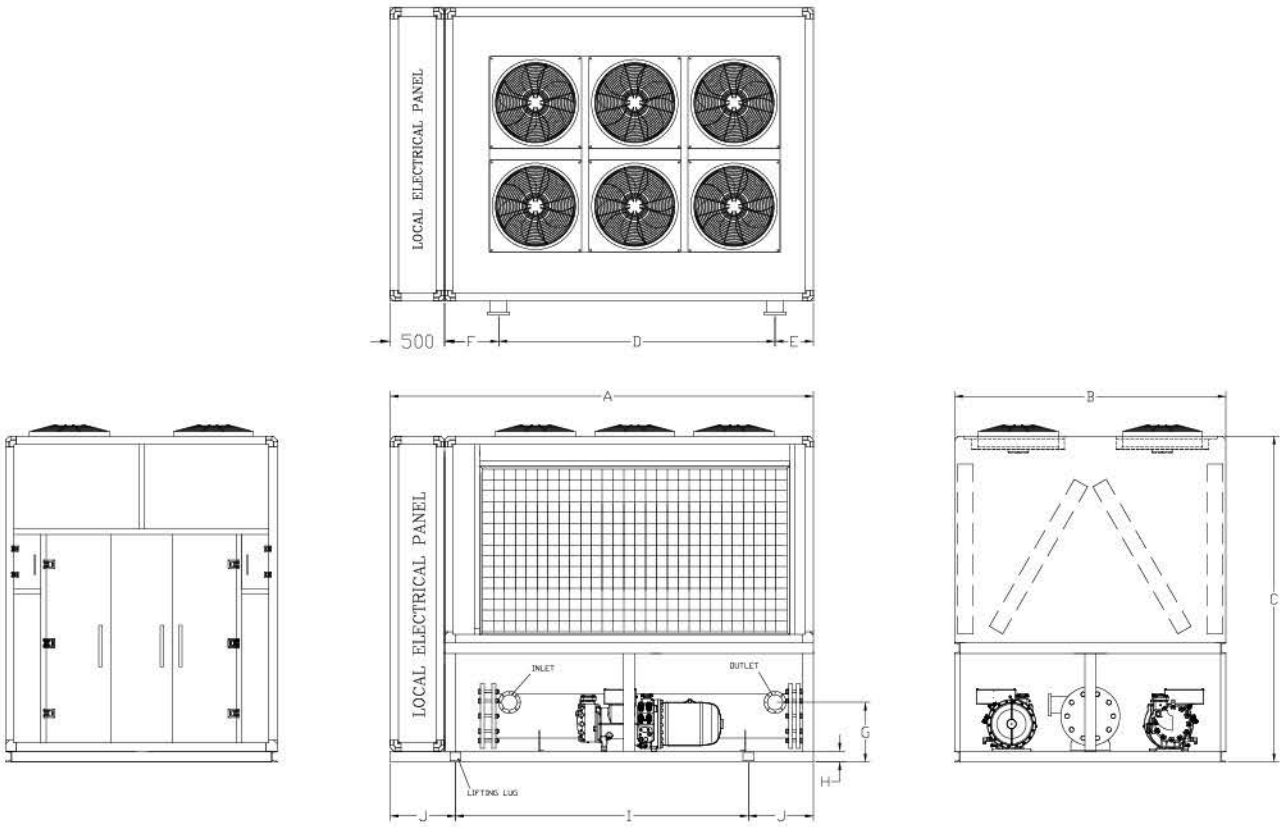
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W1L160 | 4600 | 2600 | 3100 | 3280 | 590 | 730 | 550 | 120 | 3200 | 700 | 6" |
| TAC1W1L180 | 4600 | 2600 | 3100 | 2280 | 1160 | 1160 | 600 | 120 | 3200 | 700 | 6" |

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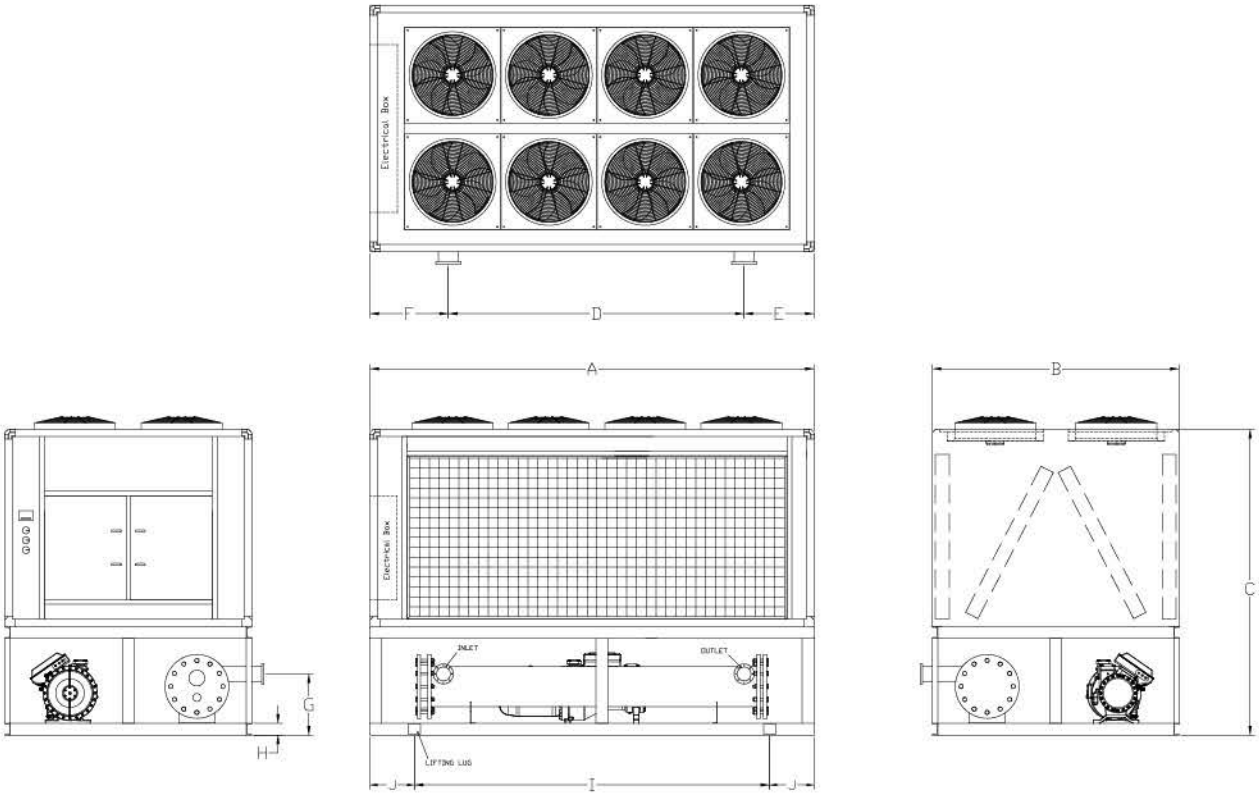

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1W2L160 | 4700 | 2800 | 3100 | 2780 | 710 | 710 | 550 | 120 | 3300 | 700 | 6" |
| TAC1W2L180 | 4700 | 2800 | 3100 | 2280 | 960 | 960 | 600 | 120 | 3300 | 700 | 6" |
| TAC1W2L200 | 4700 | 2800 | 3100 | 2780 | 710 | 710 | 600 | 120 | 3300 | 700 | 6" |

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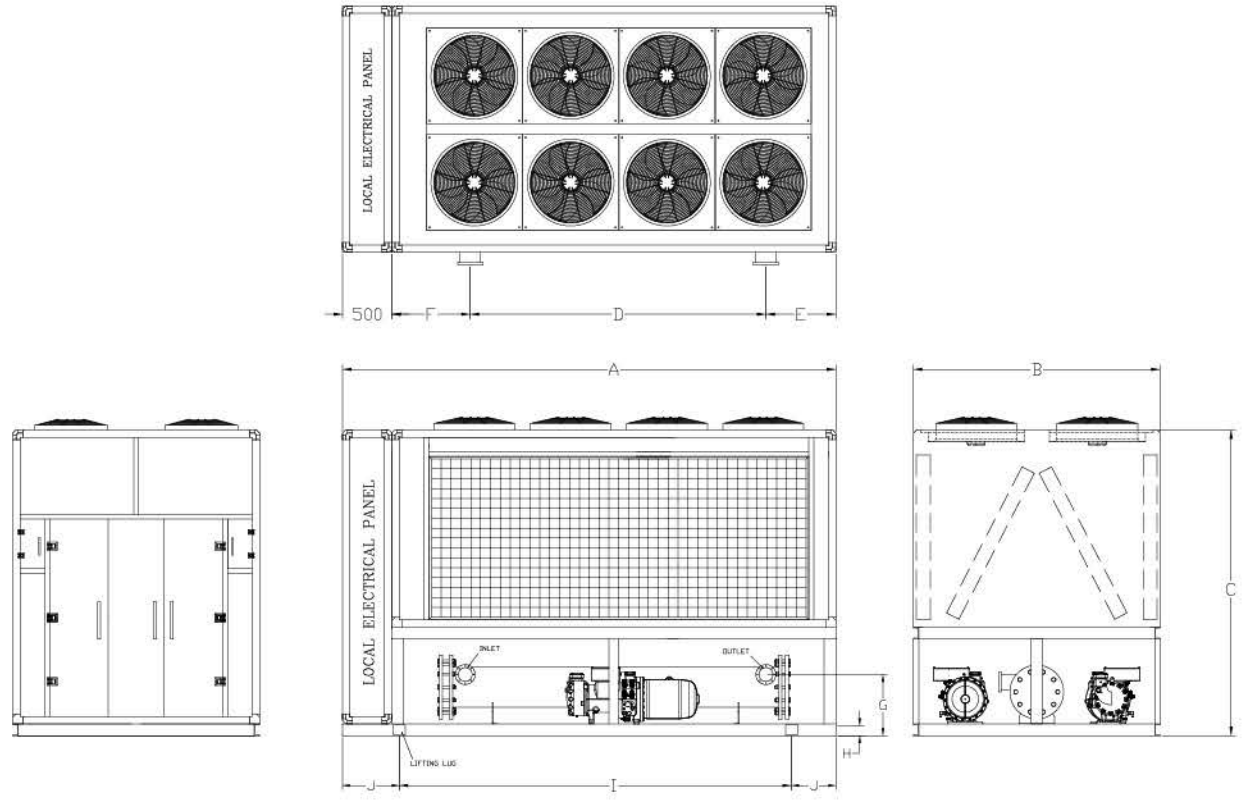
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC2W2L220 | 8200 | 2800 | 3100 | 2780 | 390 | 680 | 500 | 120 | 2450 | 700 | 6" |
| TAC2W2L250 | 7500 | 2800 | 3100 | 2280 | 610 | 610 | 550 | 120 | 2100 | 700 | 6" |
| TAC2W2L280 | 8200 | 2800 | 3100 | 2780 | 390 | 680 | 550 | 120 | 2450 | 700 | 6" |

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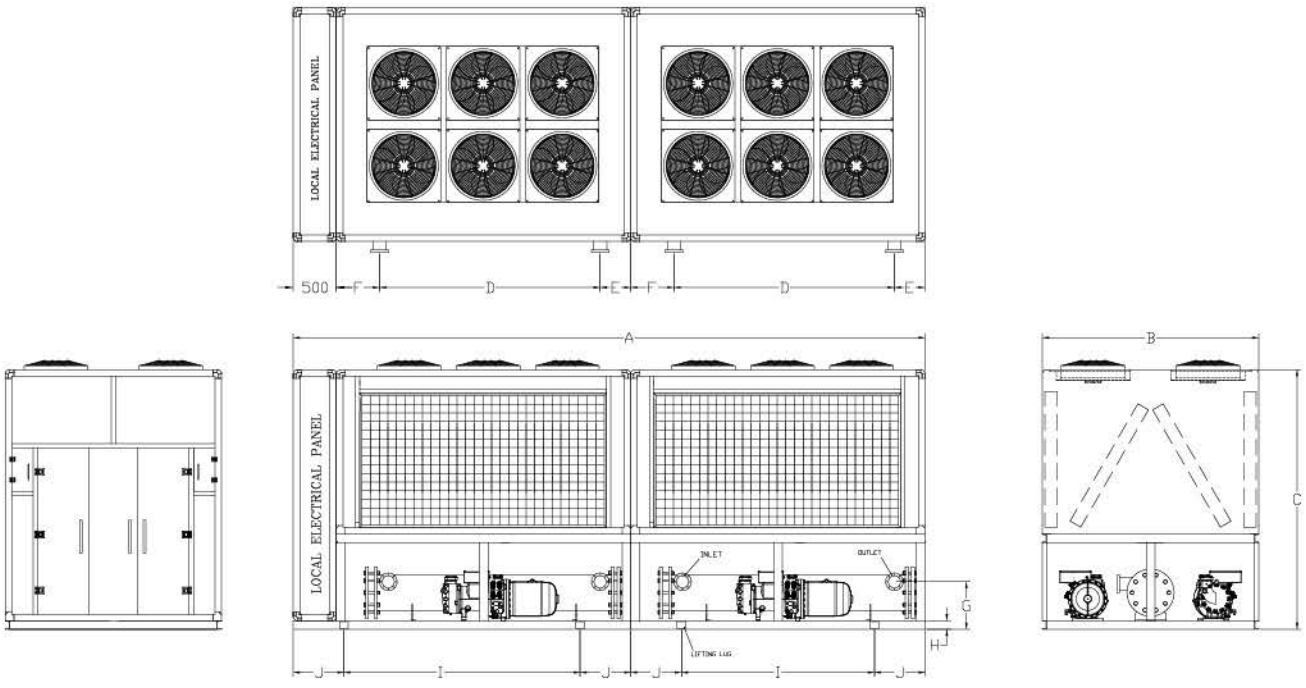

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC2W2L320 | 9200 | 2800 | 3100 | 3280 | 390 | 680 | 550 | 120 | 2950 | 700 | 6" |
| TAC2W2L360 | 8900 | 2800 | 3100 | 2280 | 860 | 860 | 600 | 120 | 2800 | 700 | 6" |

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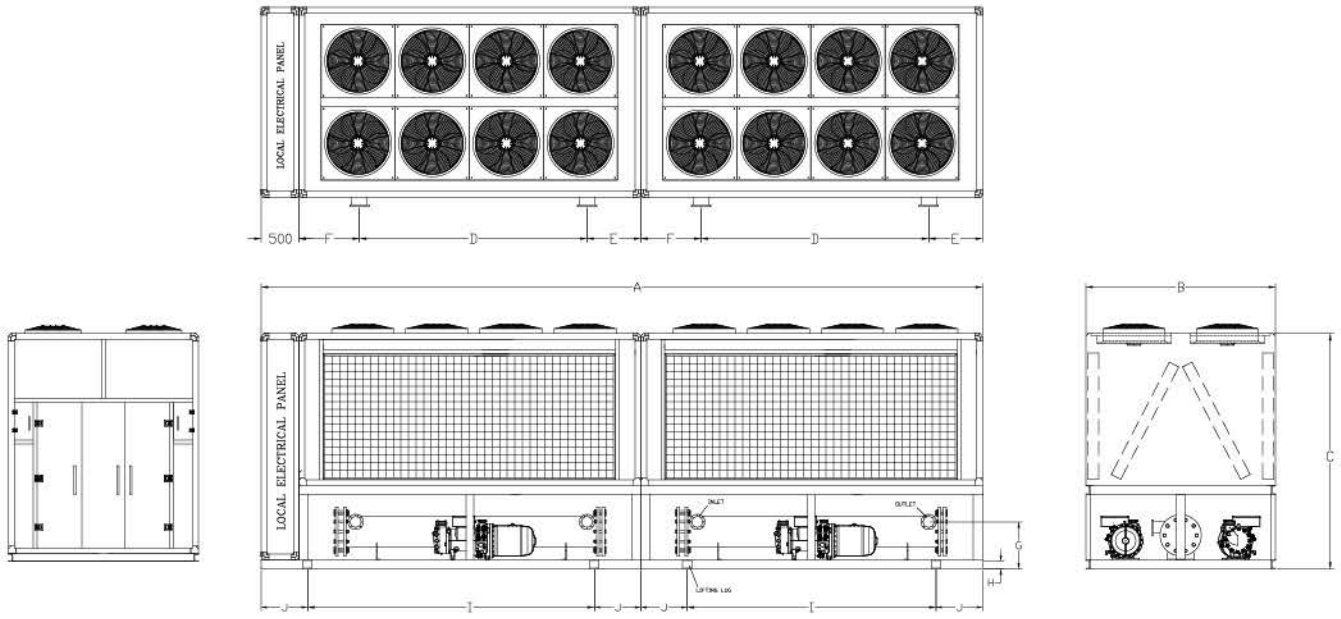

# Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1S1L050 | 3000 | 2400 | 2400 | 1780 | 490 | 730 | 470 | 100 | 2000 | 500 | 4" |
| TAC1S1L060 | 3300 | 2400 | 2750 | 1780 | 640 | 880 | 470 | 100 | 2300 | 500 | 4" |
| TAC1S1L070 | 3350 | 2400 | 2750 | 2280 | 390 | 680 | 470 | 100 | 2350 | 500 | 4" |

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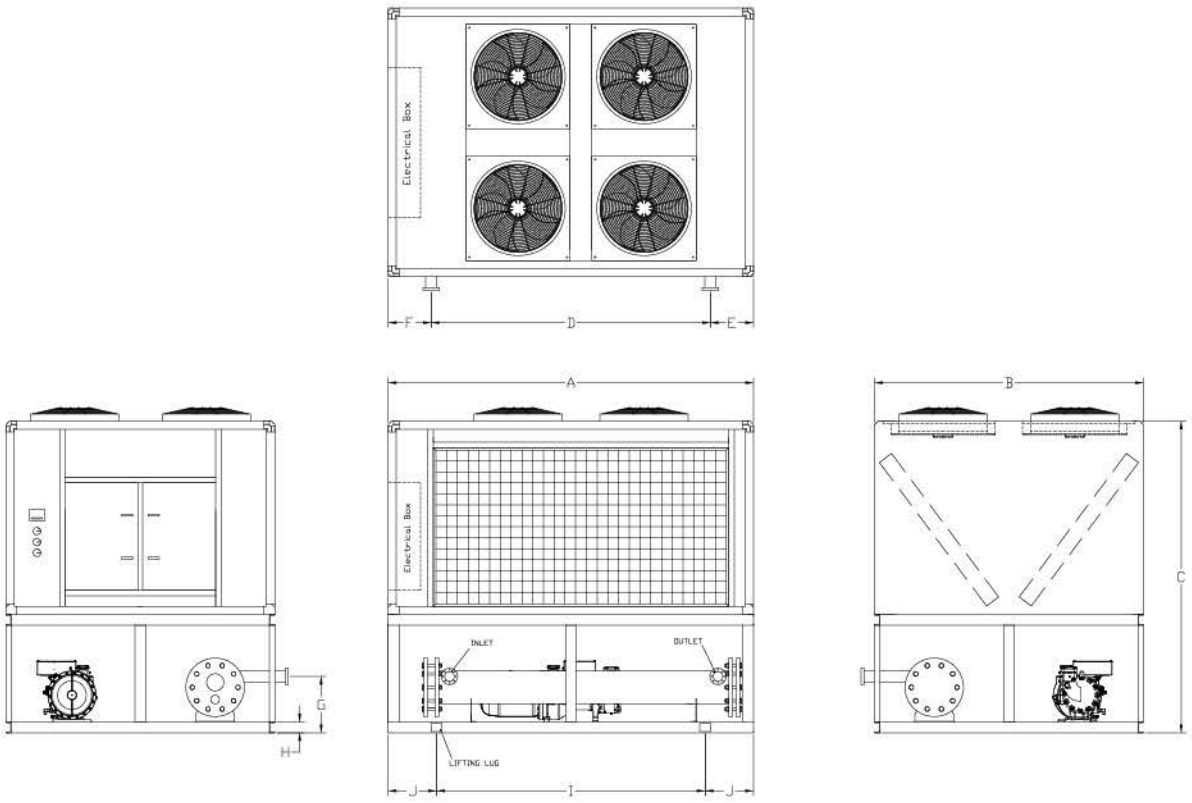
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1S1L080 | 3900 | 2400 | 2750 | 2780 | 390 | 730 | 470 | 120 | 2500 | 700 | 4" |
| TAC1S1L090 | 3900 | 2400 | 2750 | 2280 | 810 | 810 | 500 | 120 | 2500 | 700 | 6" |

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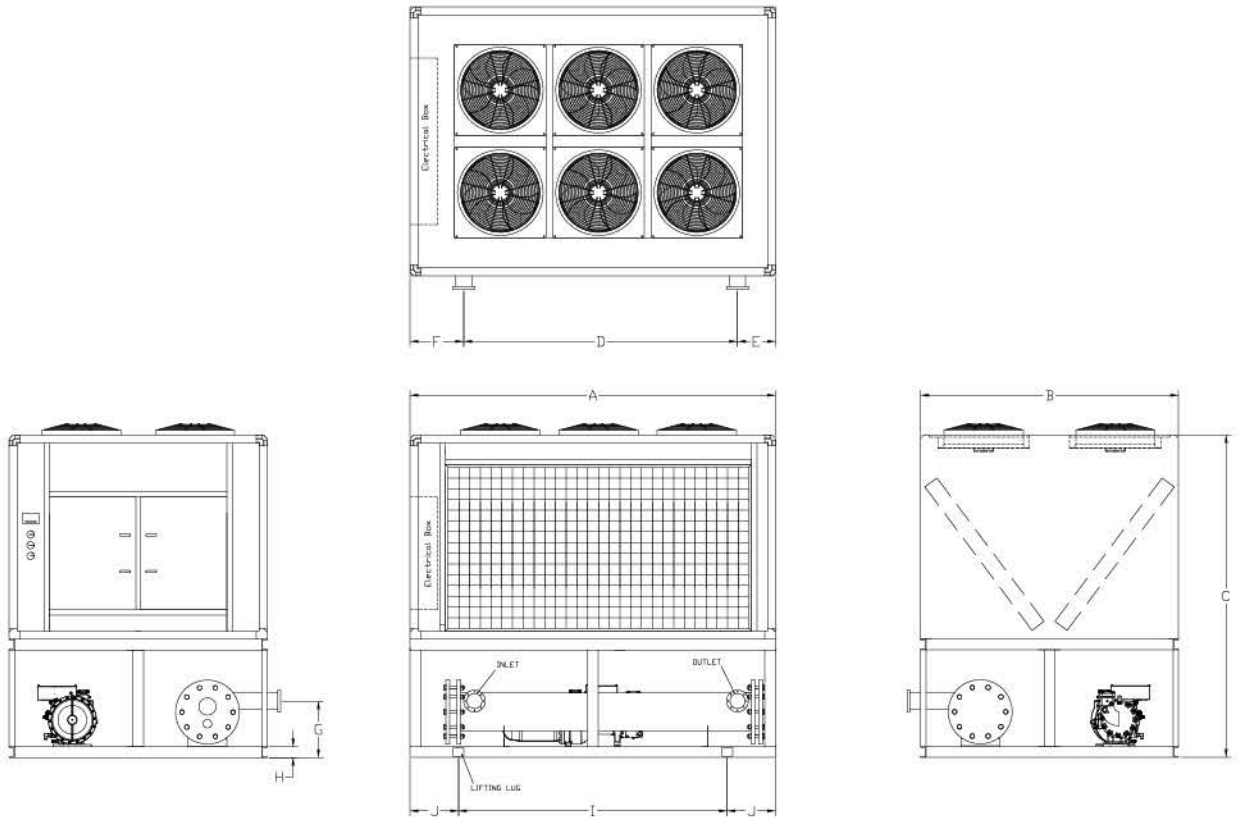
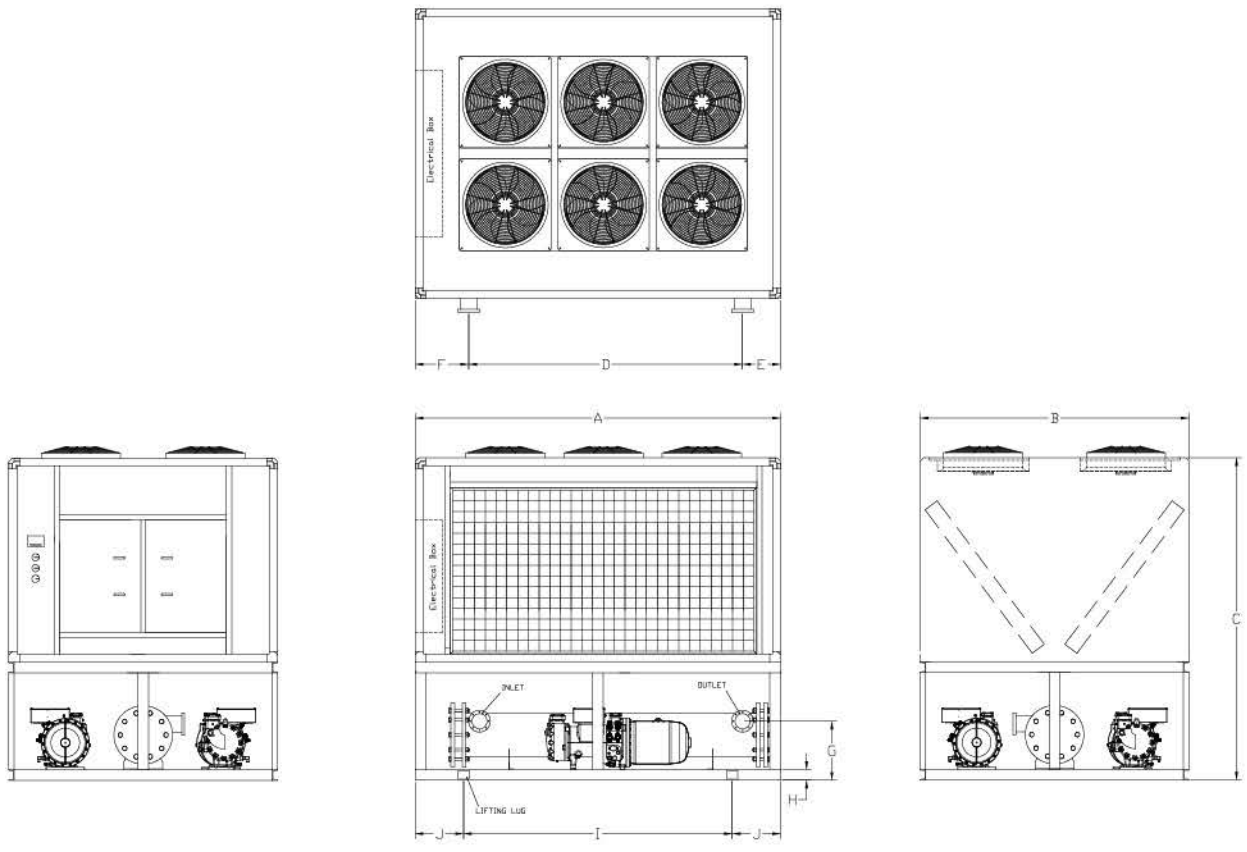
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1S2L100 | 3900 | 2600 | 2750 | 2280 | 810 | 810 | 500 | 120 | 2500 | 700 | 6" |

**ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE
**ALL DIMENSIONS ARE BASED IN MILLIMETER EXCEPT OTHERWISE SPECIFIED



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1S1L110 | 3950 | 2600 | 3100 | 2780 | 440 | 730 | 500 | 120 | 2550 | 700 | 6" |
| TAC1S1L125 | 3950 | 2600 | 3100 | 2280 | 835 | 835 | 550 | 120 | 2550 | 700 | 6" |
| TAC1S1L140 | 4050 | 2600 | 3100 | 2780 | 540 | 730 | 550 | 120 | 2650 | 700 | 6" |

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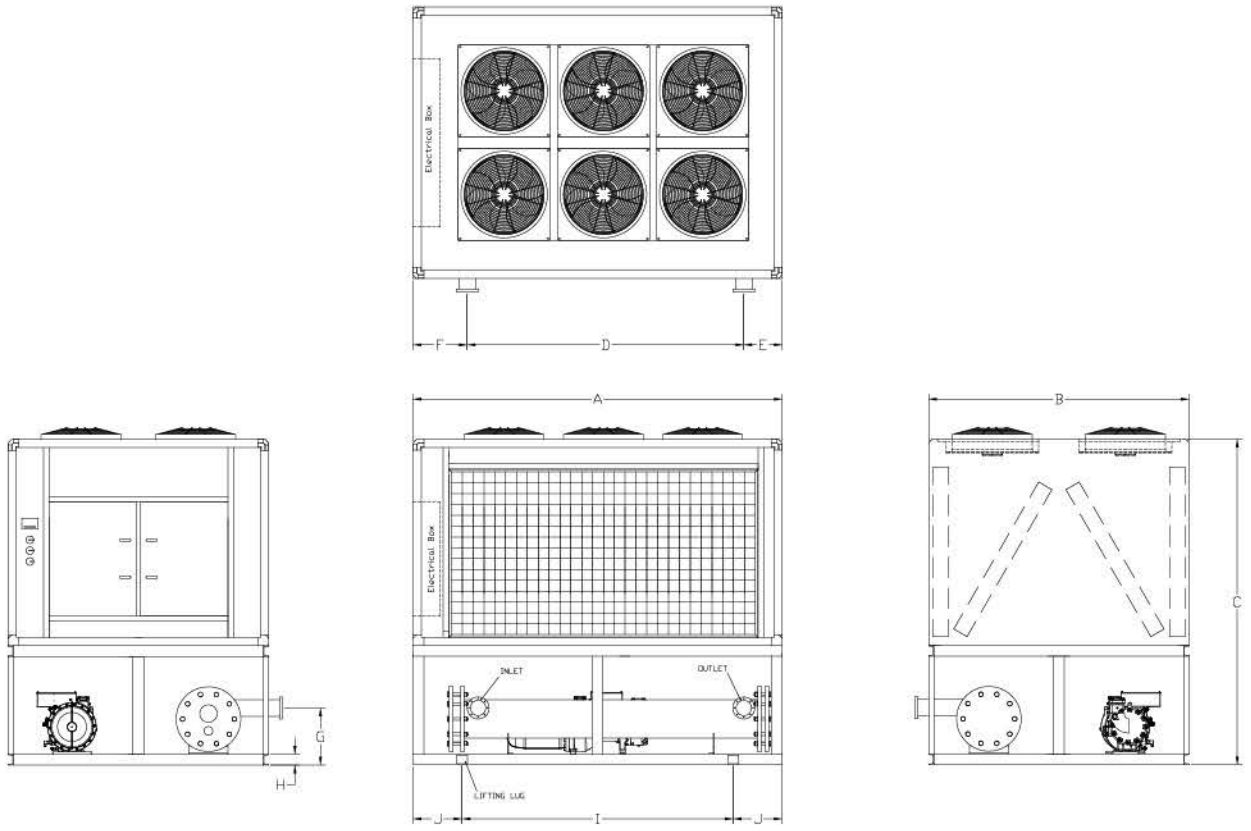

# Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1S2L120 | 3950 | 2800 | 3100 | 2280 | 835 | 835 | 550 | 120 | 2550 | 700 | 6" |
| TAC1S2L140 | 3950 | 2800 | 3100 | 2780 | 440 | 730 | 550 | 120 | 2550 | 700 | 6" |

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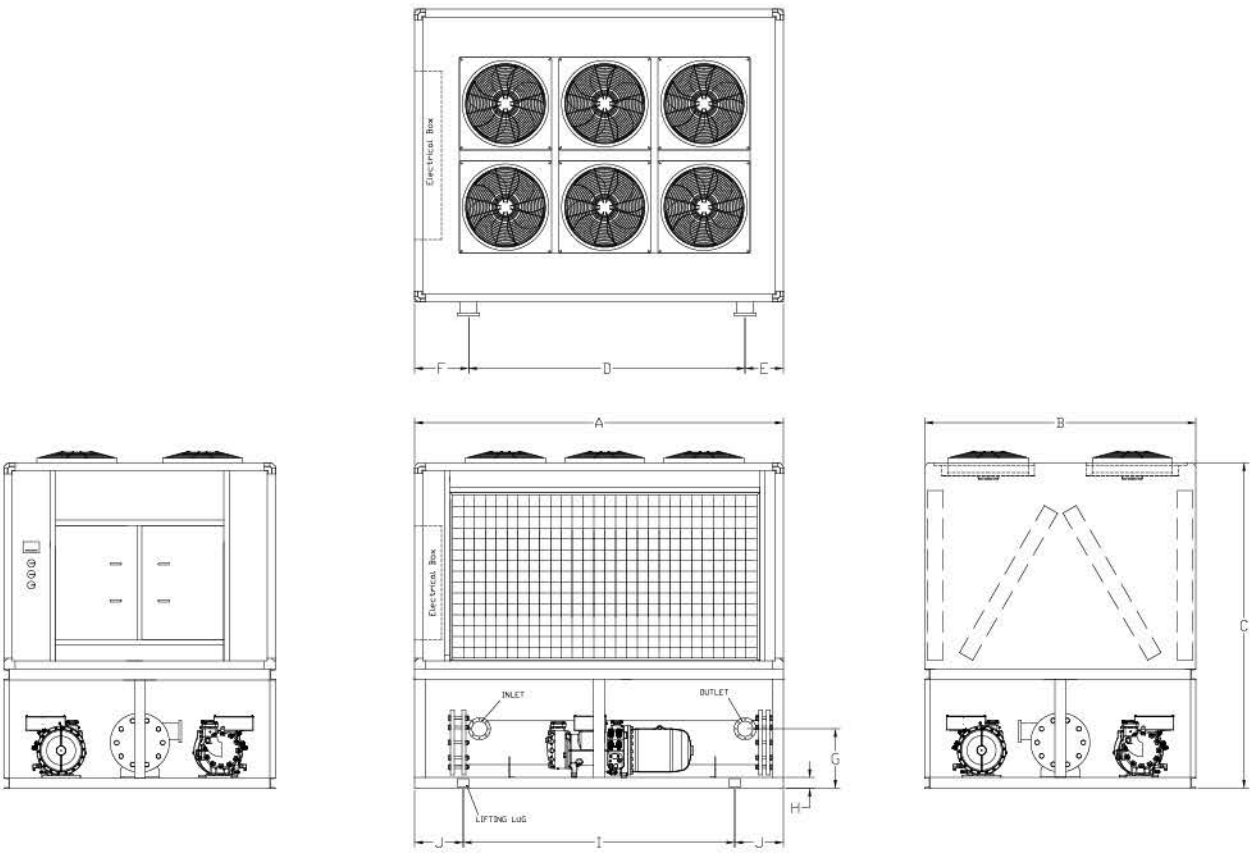

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1S1L160 | 4600 | 2600 | 3100 | 3280 | 590 | 730 | 550 | 120 | 3200 | 700 | 6" |
| TAC1S1L180 | 4600 | 2600 | 3100 | 3280 | 590 | 730 | 600 | 120 | 3200 | 700 | 6" |

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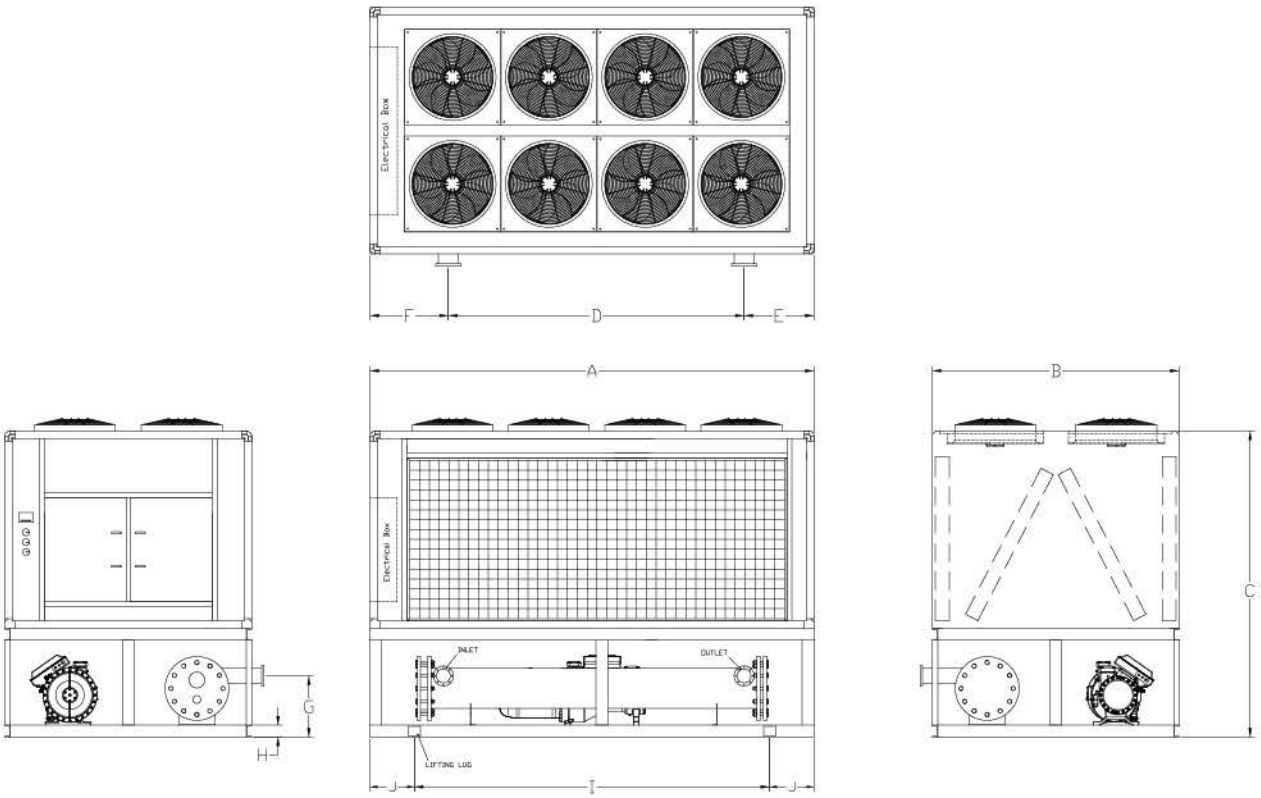

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC1S2L160 | 4600 | 2800 | 3100 | 2788 | 910 | 910 | 550 | 120 | 3200 | 700 | 6" |
| TAC1S2L180 | 4600 | 2800 | 3100 | 2280 | 1160 | 1160 | 600 | 120 | 3200 | 700 | 6" |

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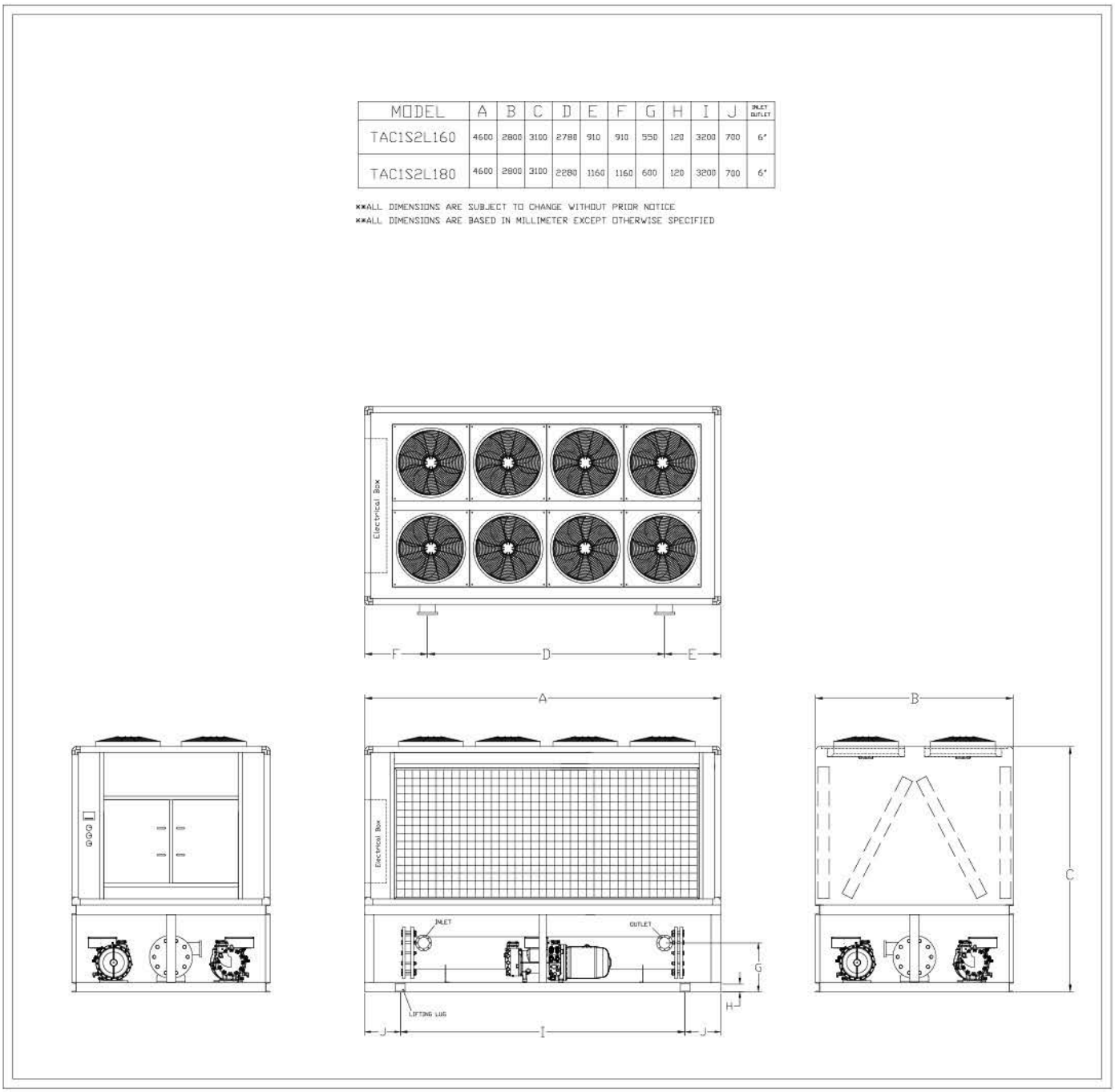

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC2S2L220 | 8200 | 2800 | 3100 | 2780 | 390 | 680 | 500 | 120 | 2450 | 700 | 6" |
| TAC2S2L250 | 7500 | 2800 | 3100 | 2280 | 490 | 730 | 550 | 120 | 2100 | 700 | 6" |
| TAC2S2L280 | 8200 | 2800 | 3100 | 2780 | 390 | 680 | 550 | 120 | 2450 | 700 | 6" |

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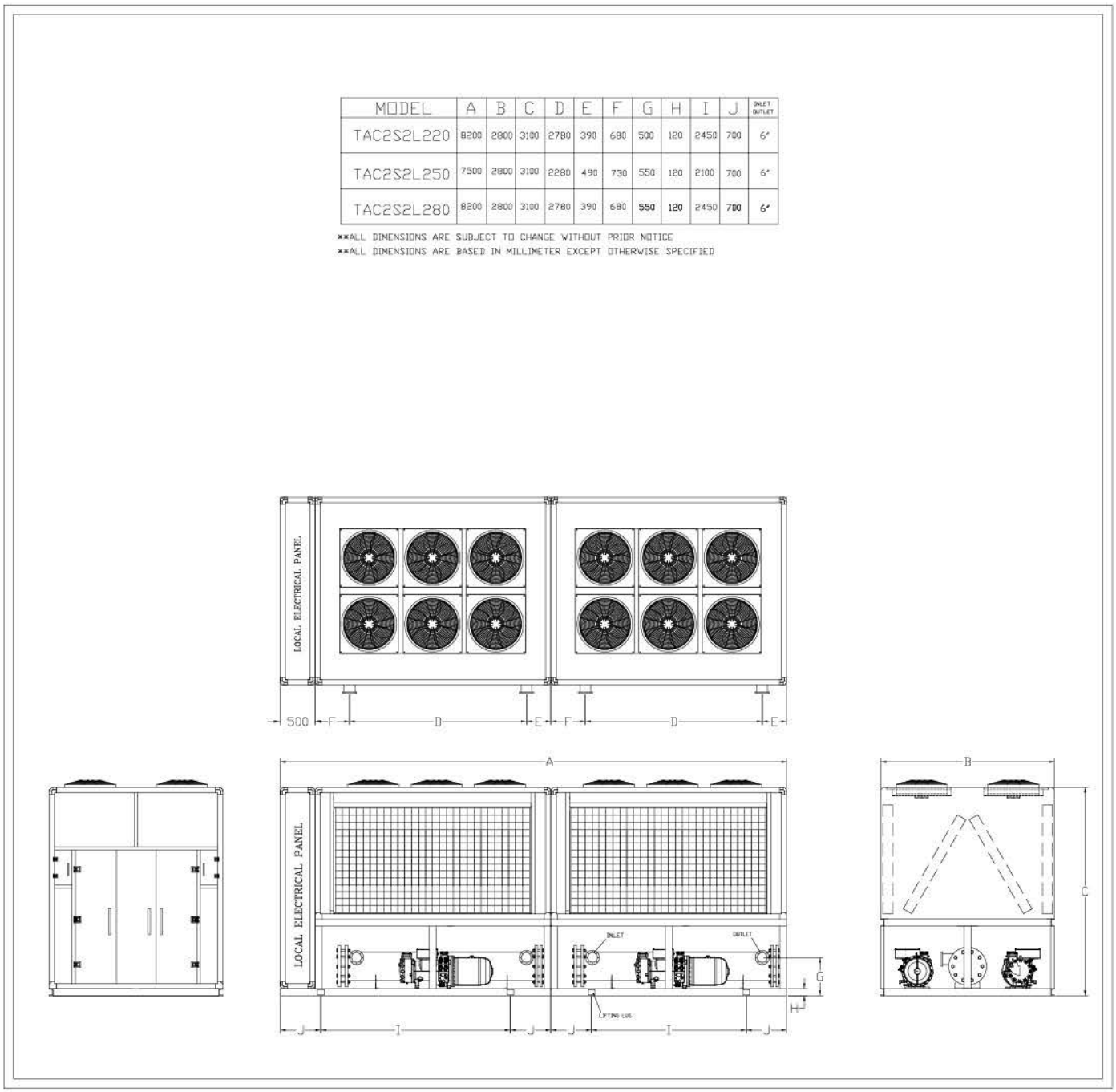

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TAC2S2L320 | 9200 | 2800 | 3100 | 3280 | 390 | 680 | 550 | 120 | 2800 | 700 | 6" |
| TAC2S2L360 | 8900 | 2800 | 3100 | 2780 | 710 | 710 | 600 | 120 | 2800 | 700 | 6" |

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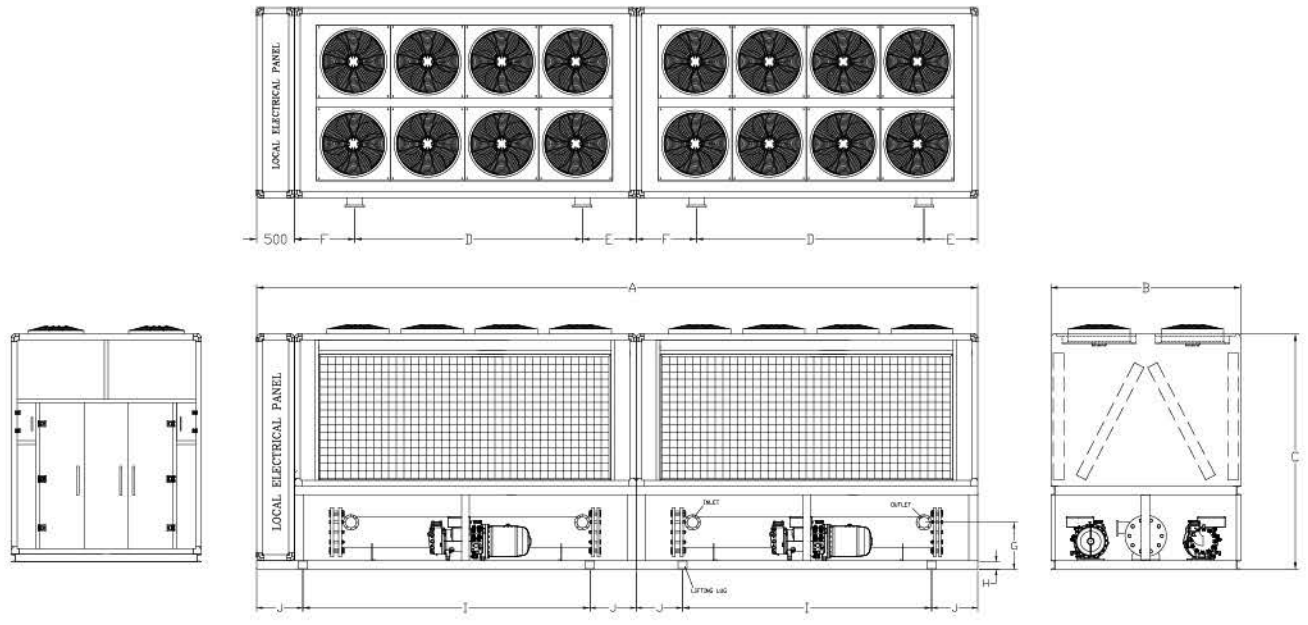

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TTC1S1L050 | 3000 | 2400 | 2400 | 1780 | 490 | 730 | 470 | 100 | 2000 | 500 | 4" |
| TTC1S1L060 | 3300 | 2400 | 2750 | 1780 | 760 | 760 | 470 | 100 | 2300 | 500 | 4" |
| TTC1S1L070 | 3350 | 2400 | 2750 | 1780 | 785 | 785 | 470 | 100 | 2350 | 500 | 4" |

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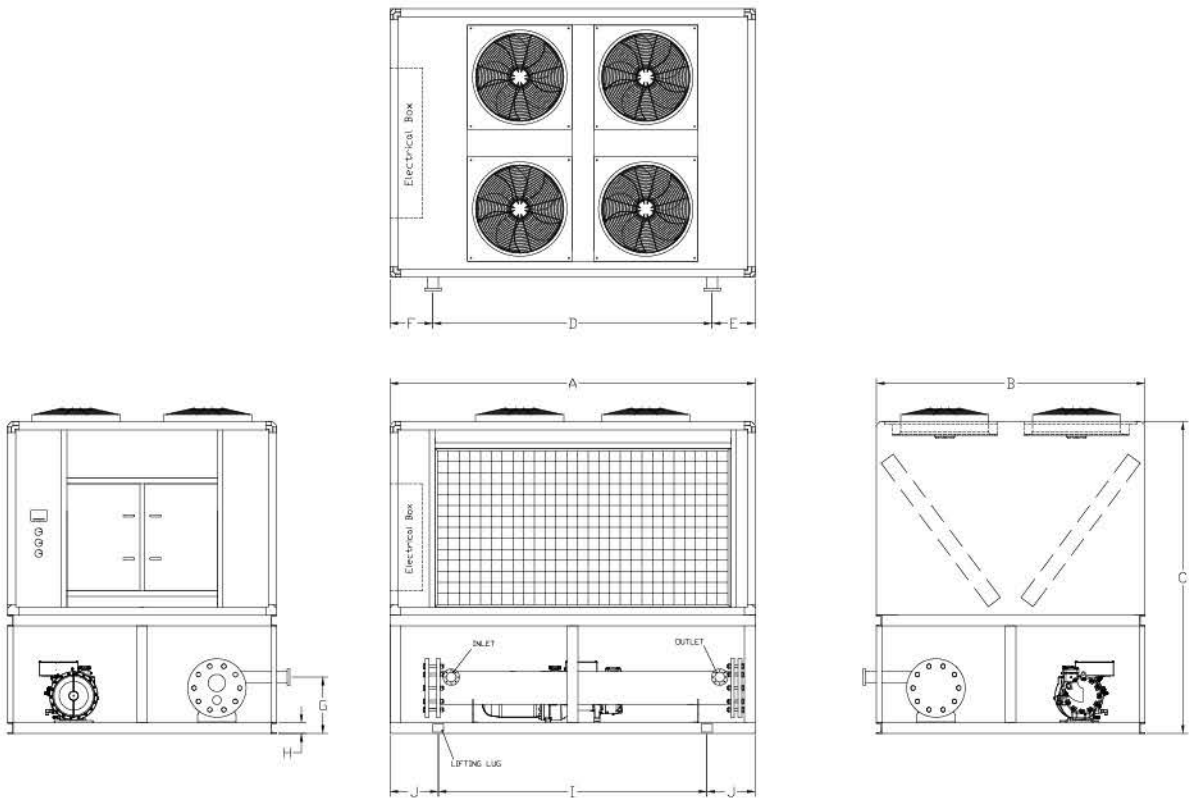
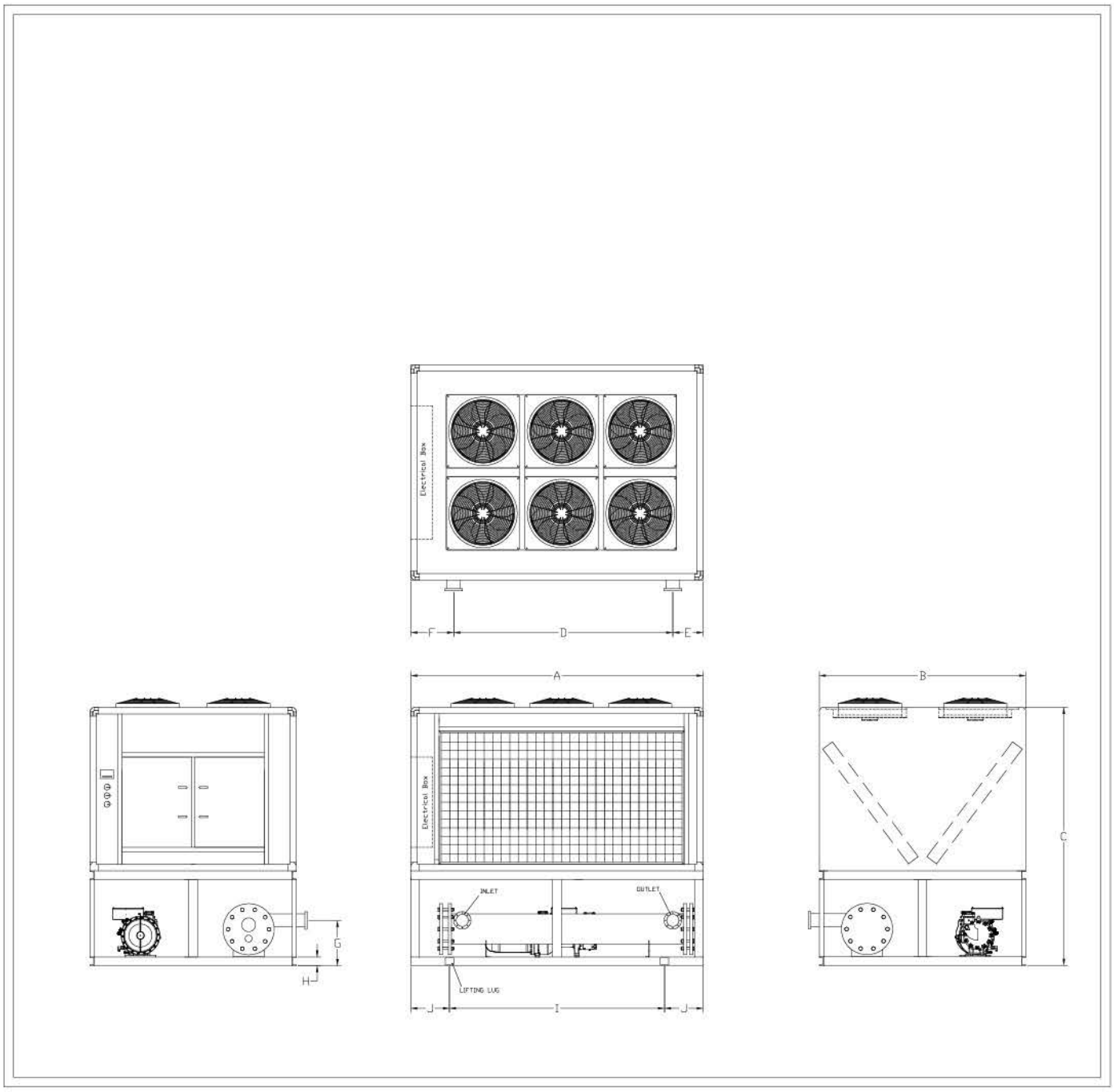


## Air Cooled Package Screw Chillers Dimensional Drawing



## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TTC1S1L110 | 3900 | 2600 | 3100 | 2280 | 810 | 810 | 500 | 120 | 2500 | 700 | 6" |

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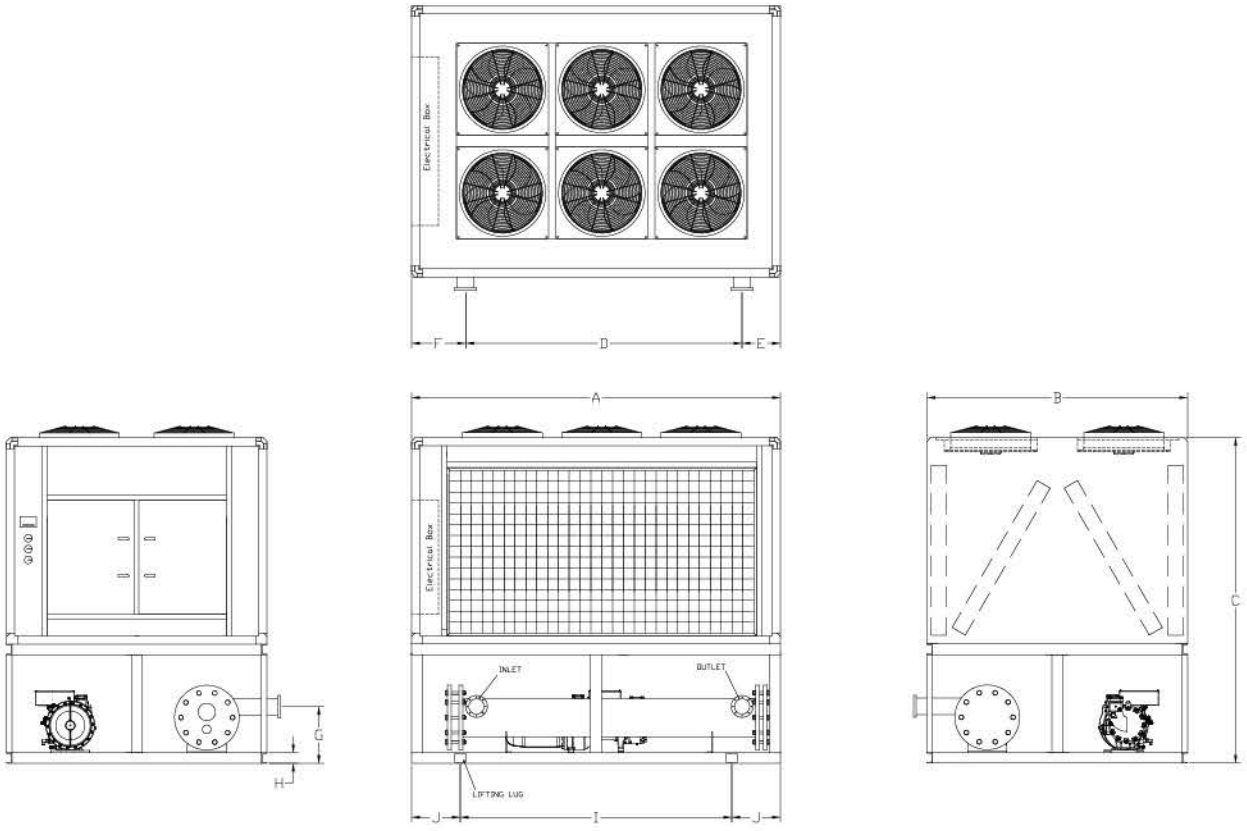

# Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TTC1S2L100 | 3900 | 2800 | 3100 | 2280 | 810 | 810 | 500 | 120 | 2500 | 700 | 6" |

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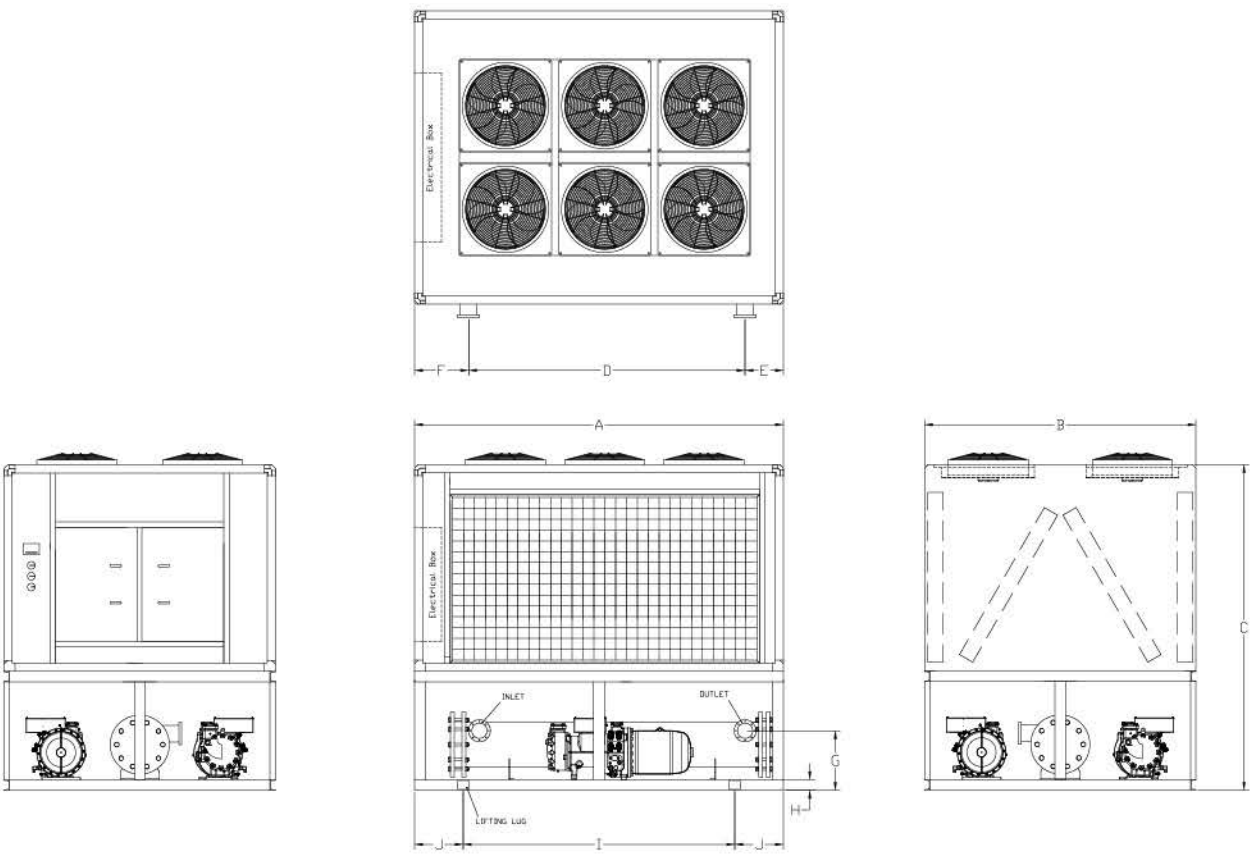

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TTC1S1L125 | 4600 | 2600 | 3100 | 2780 | 910 | 910 | 500 | 120 | 3200 | 700 | 6" |
| TTC1S1L140 | 4600 | 2600 | 3100 | 2280 | 1160 | 1160 | 550 | 120 | 3200 | 700 | 6" |
| TTC1S1L160 | 4600 | 2600 | 3100 | 2780 | 910 | 910 | 550 | 120 | 3200 | 700 | 6" |
| TTC1S1L180 | 4600 | 2600 | 3100 | 2280 | 1160 | 1160 | 600 | 120 | 3200 | 700 | 6" |

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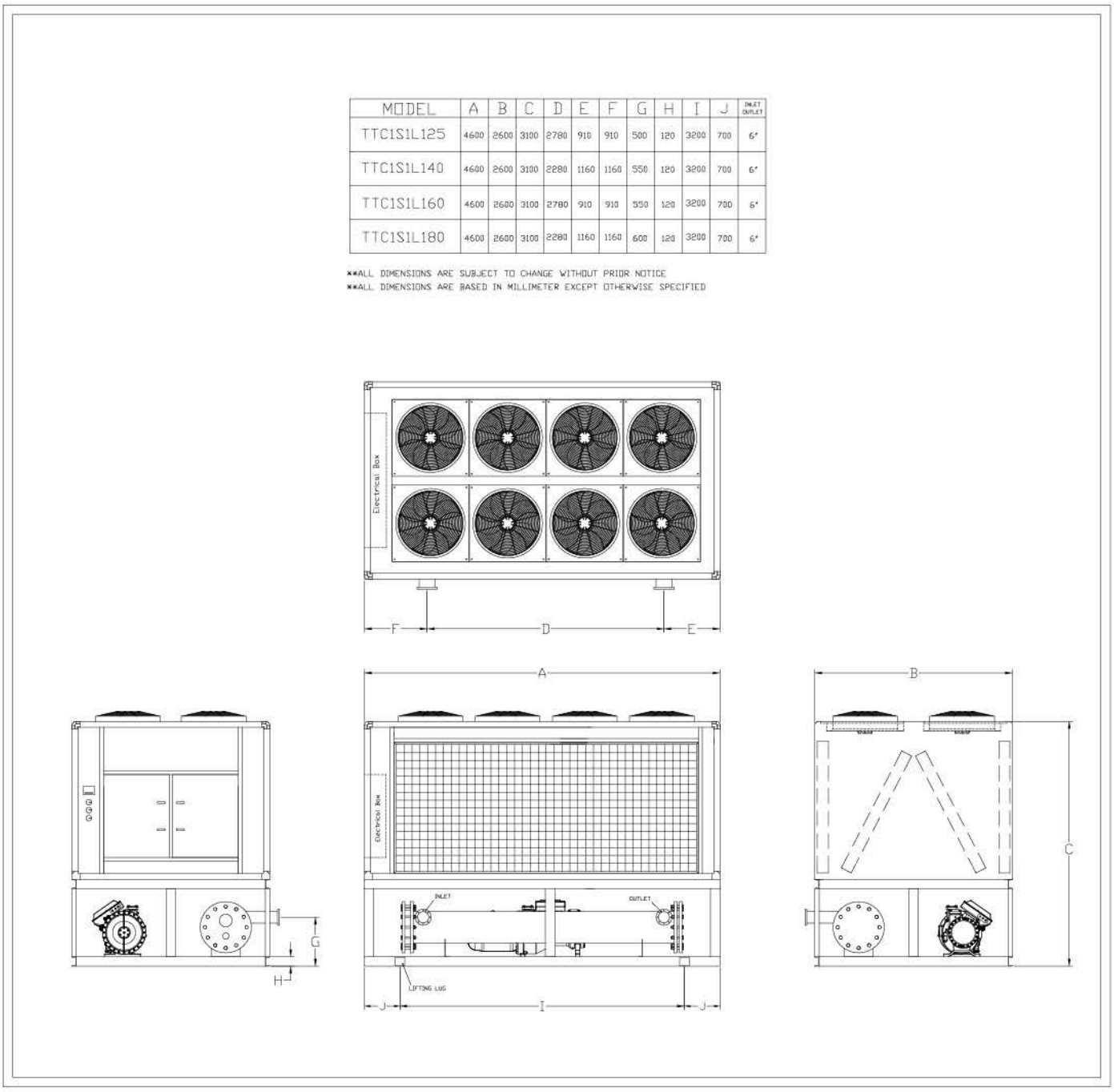

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TTC1S2L120 | 4600 | 2800 | 3100 | 2780 | 910 | 910 | 500 | 120 | 3200 | 700 | 6" |
| TTC1S2L140 | 4600 | 2800 | 3100 | 2280 | 1160 | 1160 | 550 | 120 | 3200 | 700 | 6" |
| TTC1S2L160 | 4600 | 2800 | 3100 | 2780 | 910 | 910 | 550 | 120 | 3200 | 700 | 6" |
| TTC1S2L180 | 4600 | 2800 | 3100 | 2780 | 910 | 910 | 600 | 120 | 3200 | 700 | 6" |

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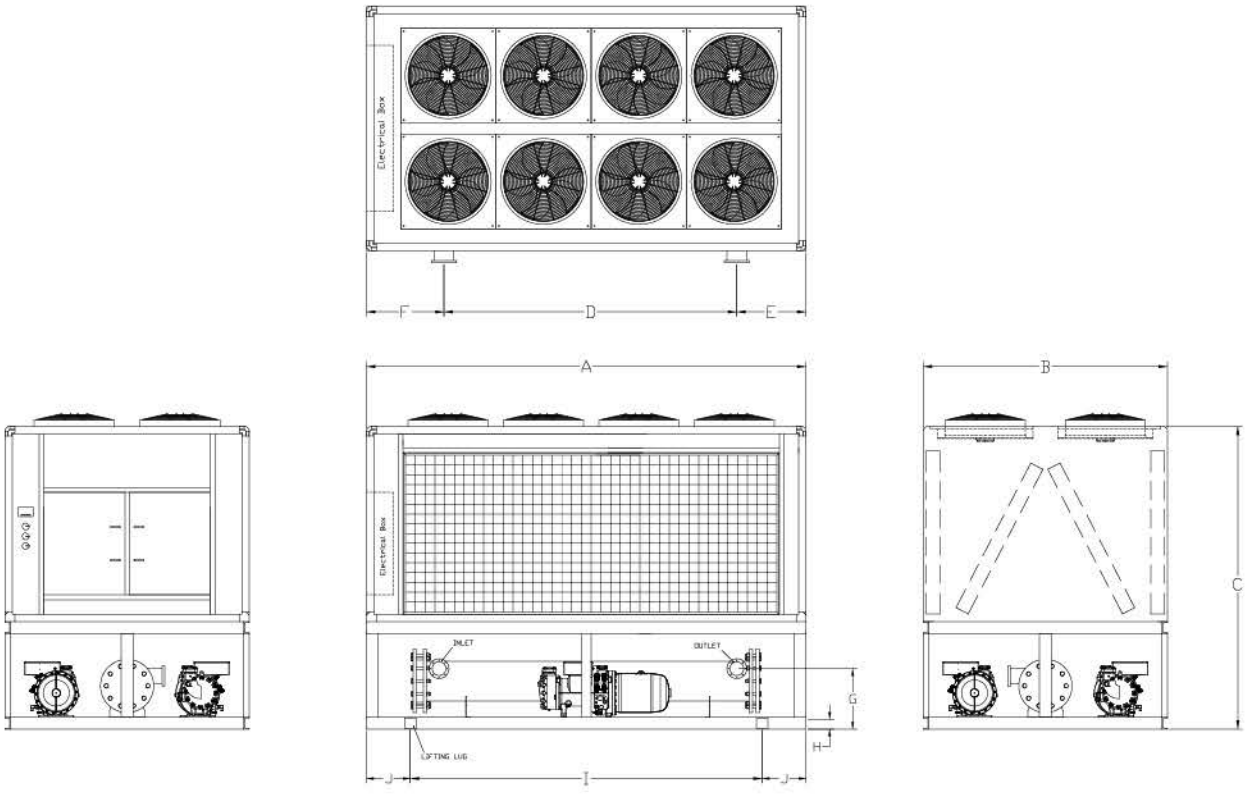

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TTC2S2L220 | 7500 | 2800 | 3100 | 2280 | 490 | 730 | 500 | 120 | 2100 | 700 | 6" |

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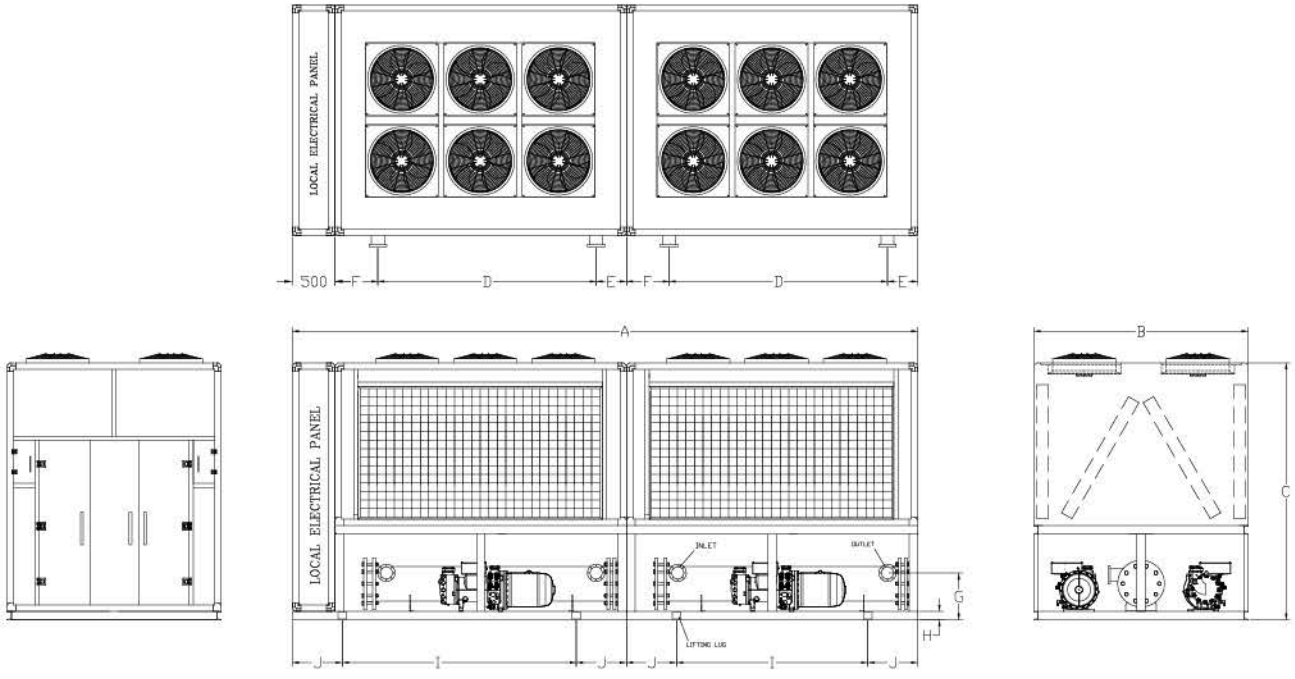

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D | E | F | G | H | I | J | INLET OUTLET |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TTC2S2L250 | 8900 | 2800 | 3100 | 2780 | 710 | 710 | 500 | 120 | 2800 | 700 | 6" |
| TTC2S2L280 | 8900 | 2800 | 3100 | 2280 | 960 | 960 | 550 | 120 | 2800 | 700 | 6" |
| TTC2S2L320 | 8900 | 2800 | 3100 | 2780 | 710 | 710 | 550 | 120 | 2800 | 700 | 6" |
| TTC2S2L360 | 8900 | 2800 | 3100 | 2280 | 960 | 960 | 600 | 120 | 2800 | 700 | 6" |

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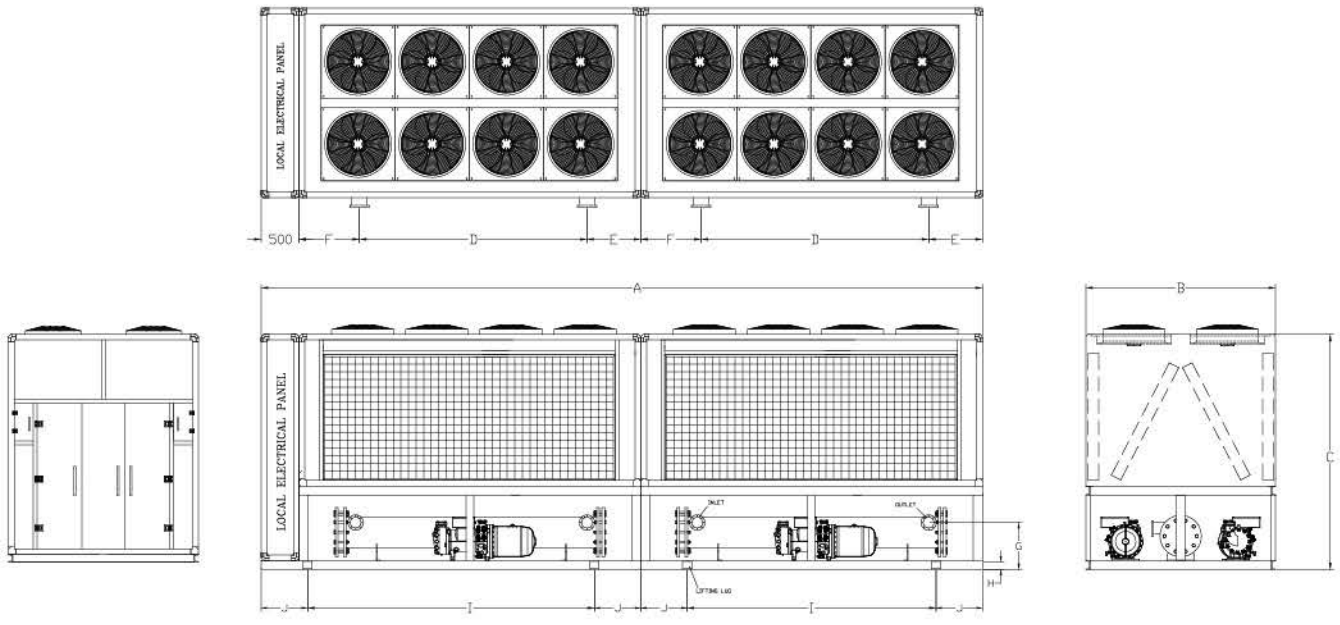

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR1VW050 | 3000 | 2400 | 2100 | 450 |
| TCOR1VW060 | 3300 | 2400 | 2100 | 450 |
| TCOR1VW070 | 3300 | 2400 | 2100 | 450 |

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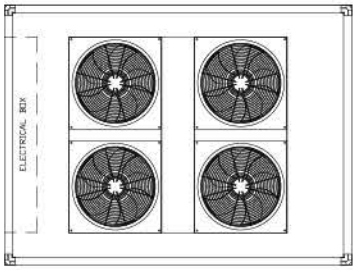


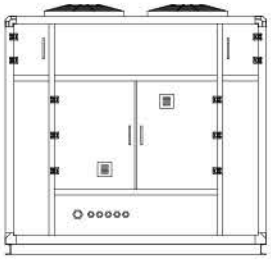

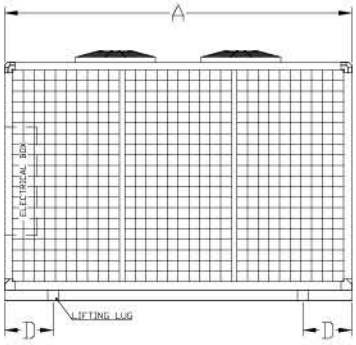


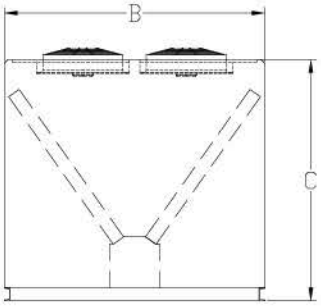

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR1VW080 | 3900 | 2400 | 2120 | 700 |
| TCOR1VW090 | 3900 | 2400 | 2120 | 700 |
| TCOR1VW100 | 3900 | 2400 | 2120 | 700 |

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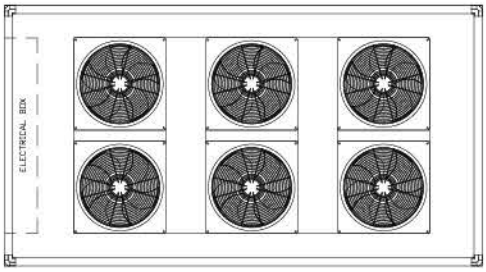


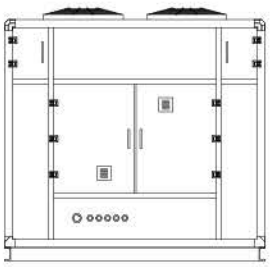

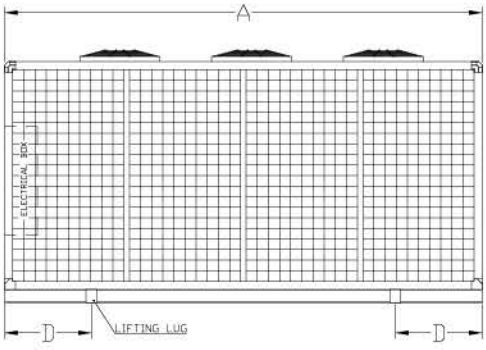


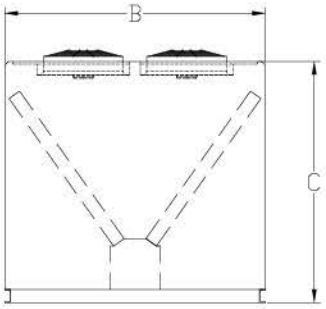

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR1WW110 | 3900 | 2600 | 2800 | 700 |
| TCOR1WW125 | 3900 | 2600 | 2800 | 700 |
| TCOR1WW140 | 4000 | 2600 | 2800 | 700 |

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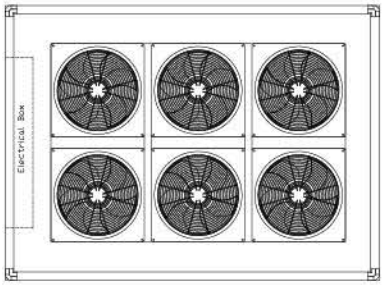


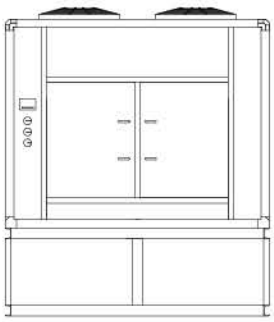

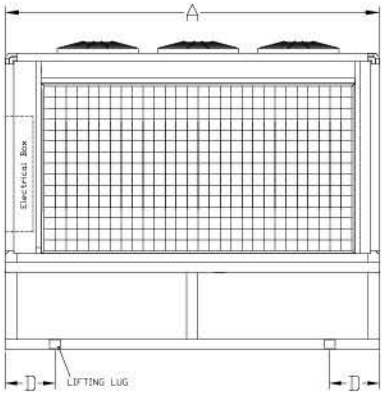


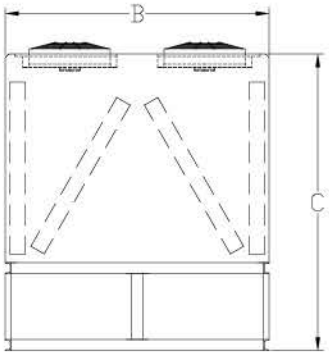

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TC□R1WW160 | 4600 | 2600 | 2800 | 700 |
| TC□R1WW180 | 4600 | 2600 | 2800 | 700 |

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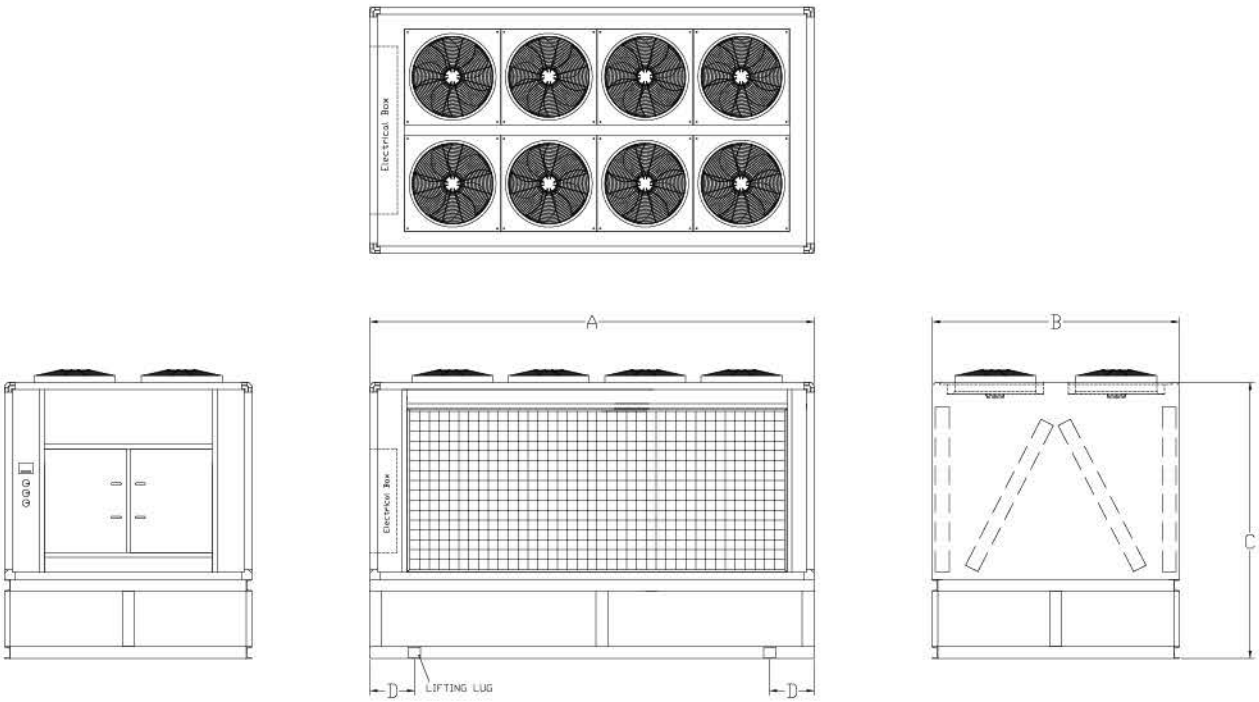

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2VW100 | 3900 | 2400 | 2100 | 700 |

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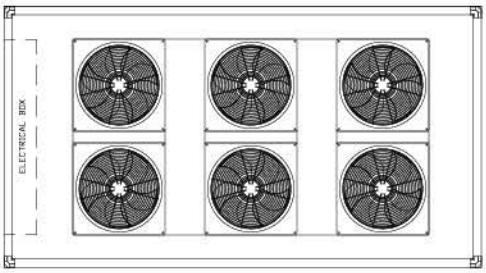


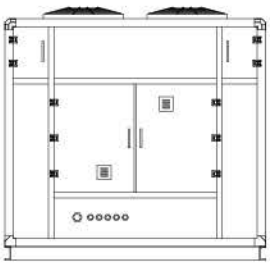

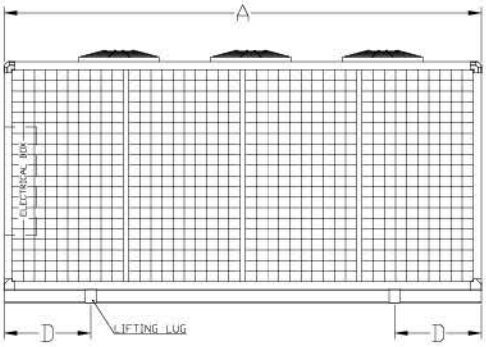


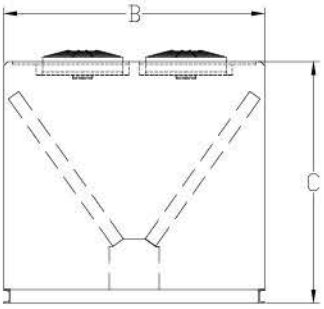

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WW120 | 3900 | 2600 | 2120 | 700 |
| TCOR2WW140 | 3900 | 2600 | 2120 | 700 |

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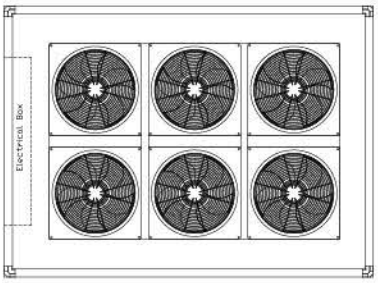


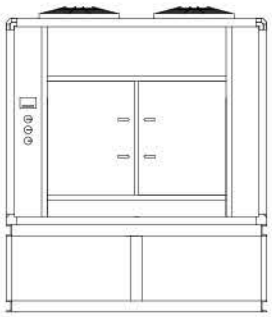

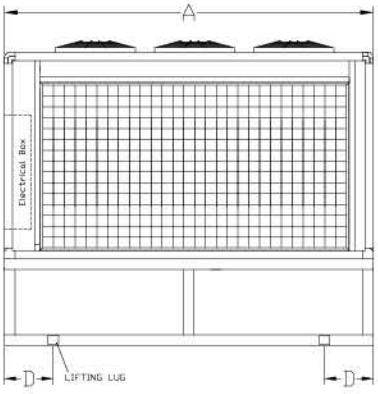


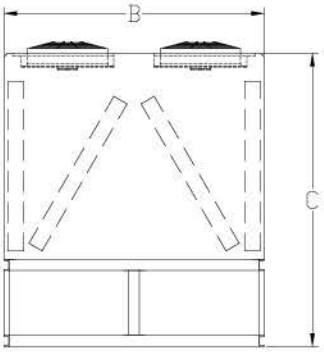

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WW160 | 4600 | 2600 | 2800 | 700 |
| TCOR2WW180 | 4600 | 2600 | 2800 | 700 |
| TCOR2WW200 | 4600 | 2600 | 2800 | 700 |

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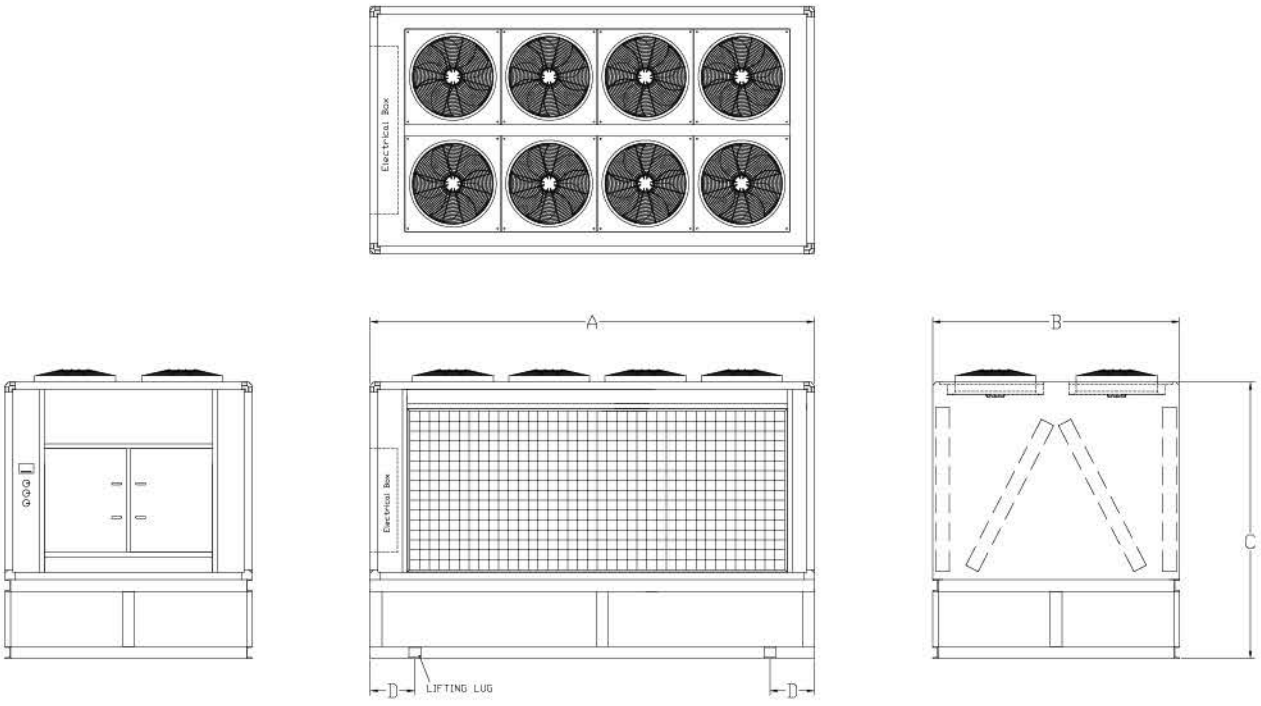

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WW220 | 7400 | 2600 | 2800 | 700 |
| TCOR2WW250 | 7400 | 2600 | 2800 | 700 |
| TCOR2WW280 | 7600 | 2600 | 2800 | 700 |

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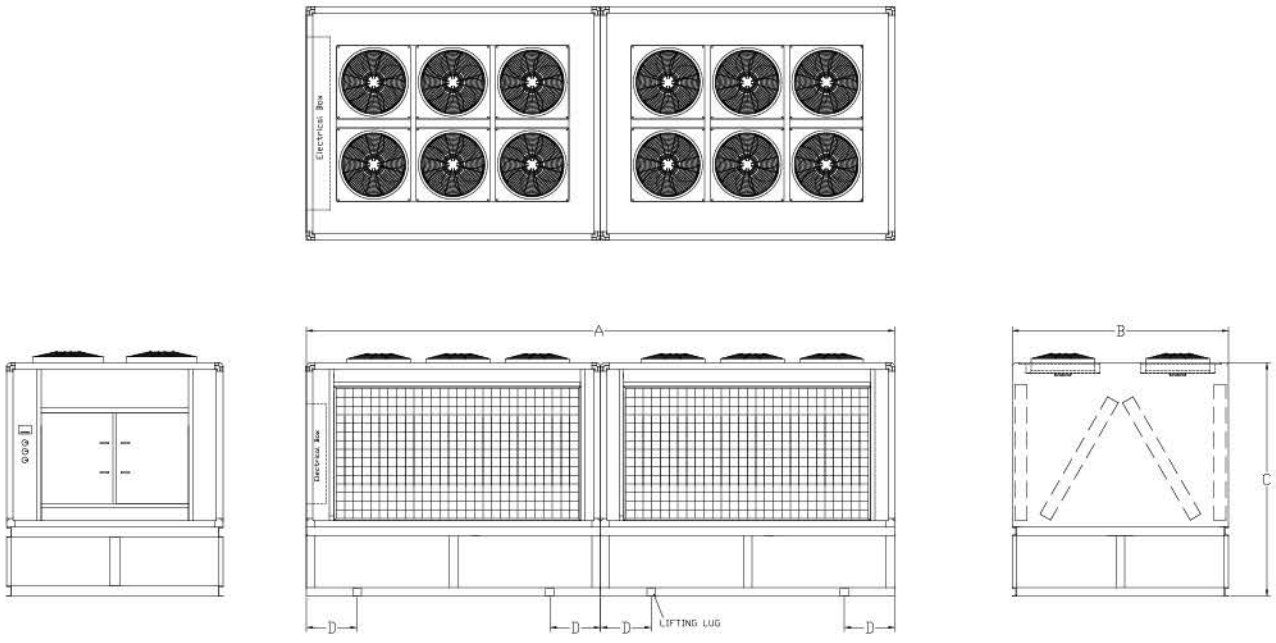

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WW320 | 8800 | 2600 | 2800 | 700 |
| TCOR2WW360 | 8800 | 2600 | 2800 | 700 |

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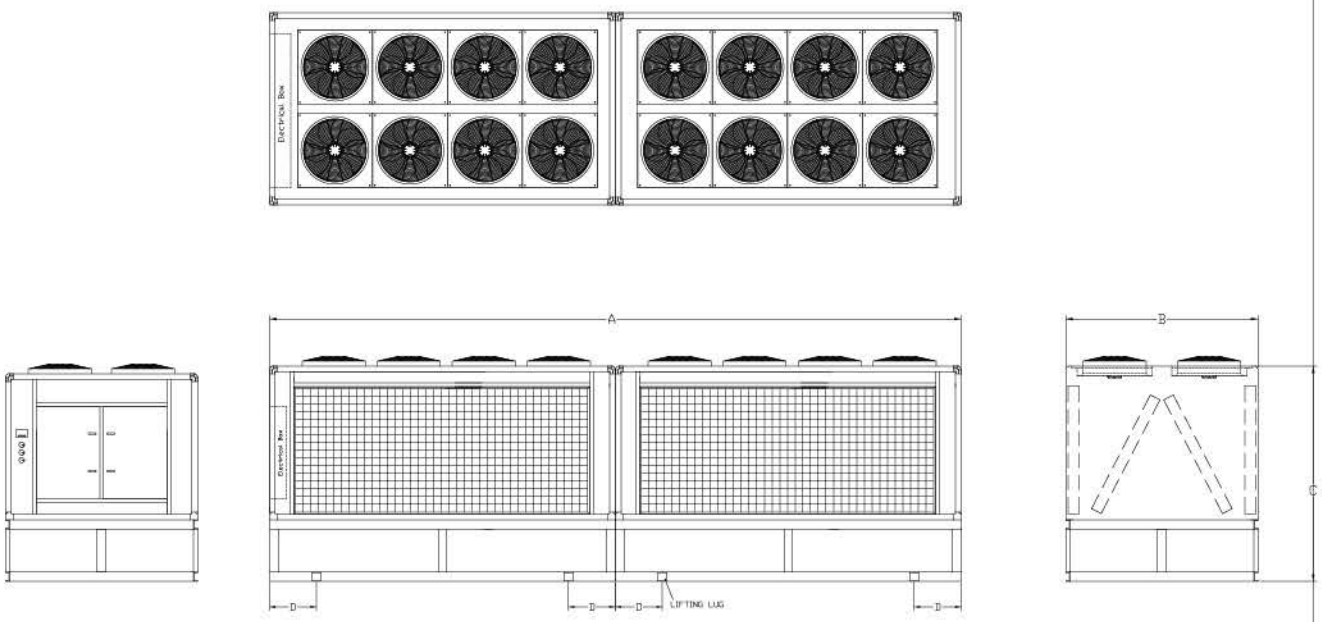

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR1VS050 | 3000 | 2400 | 1900 | 450 |
| TCOR1VS060 | 3300 | 2400 | 2100 | 450 |
| TCOR1VS070 | 3300 | 2400 | 2100 | 450 |

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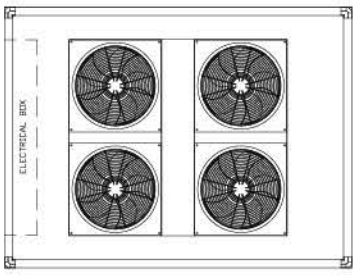


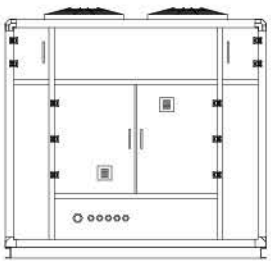

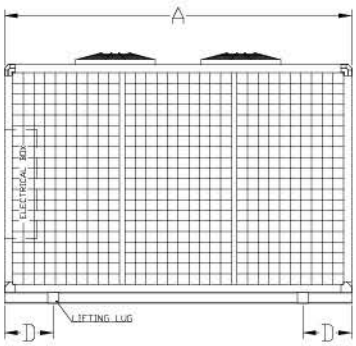


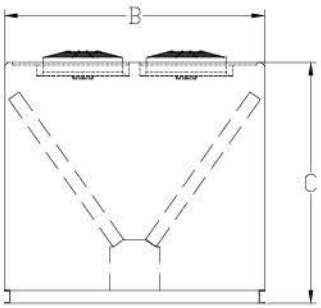

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR1VS080 | 3900 | 2400 | 2120 | 700 |
| TCOR1VS090 | 3900 | 2400 | 2120 | 700 |

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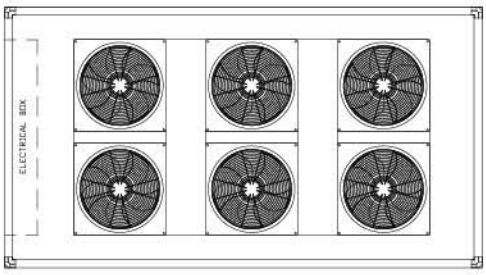


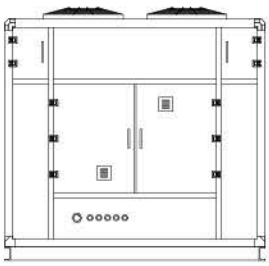

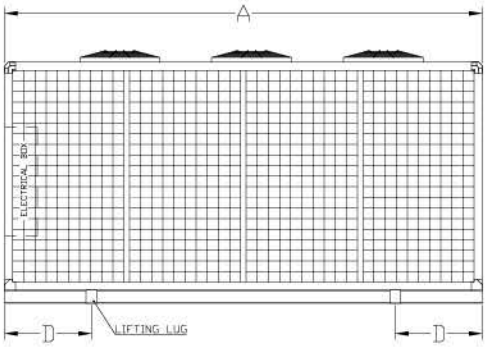


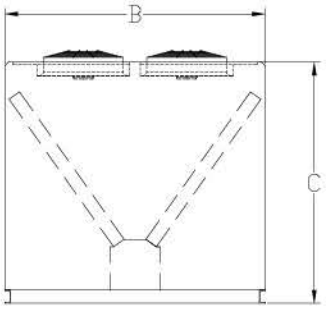

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR1WS110 | 3900 | 2600 | 2800 | 700 |
| TCOR1WS125 | 3900 | 2600 | 2800 | 700 |
| TCOR1WS140 | 4000 | 2600 | 2800 | 700 |

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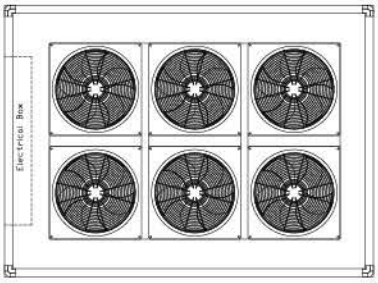


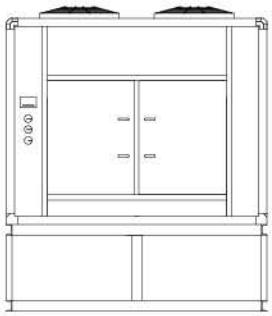

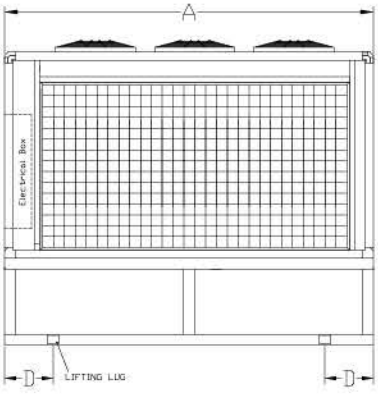


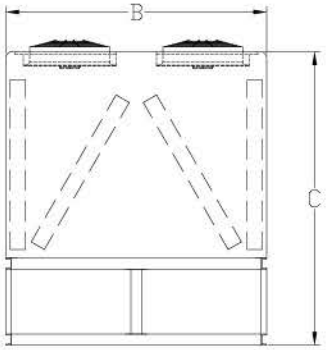

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR1WS160 | 4600 | 2600 | 2800 | 700 |
| TCOR1WS180 | 4600 | 2600 | 2800 | 700 |

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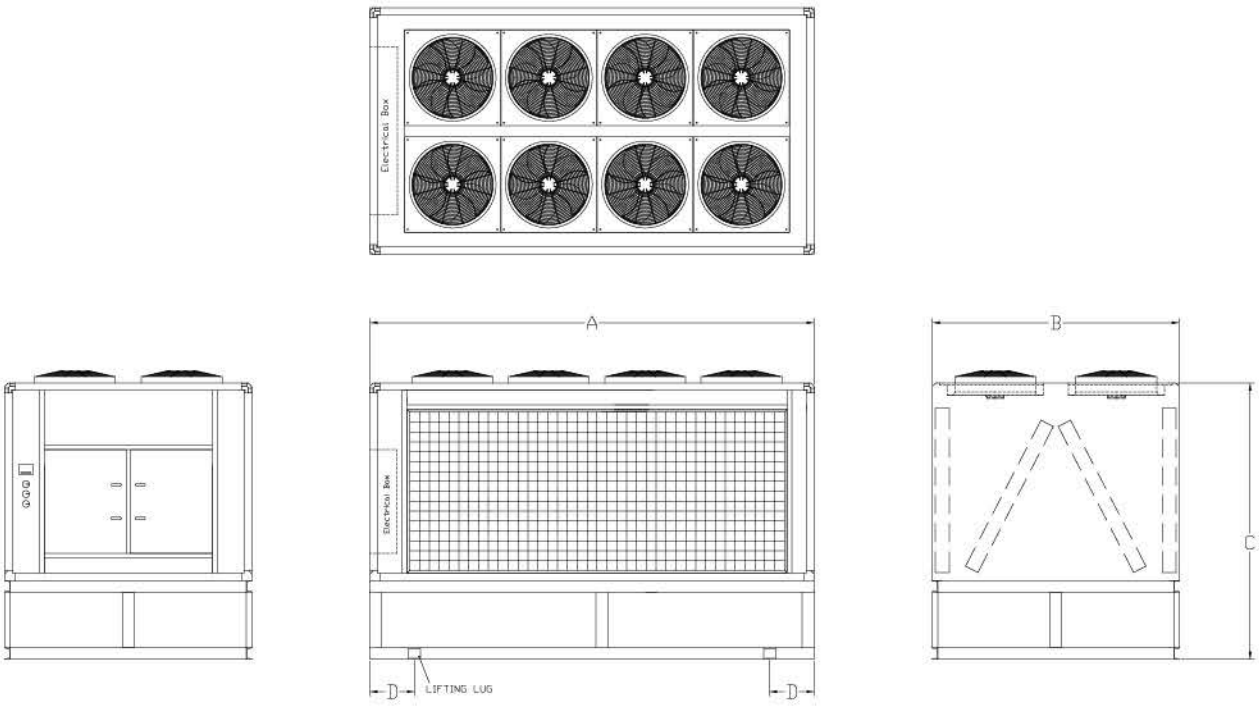

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2VS100 | 3900 | 2400 | 2100 | 700 |

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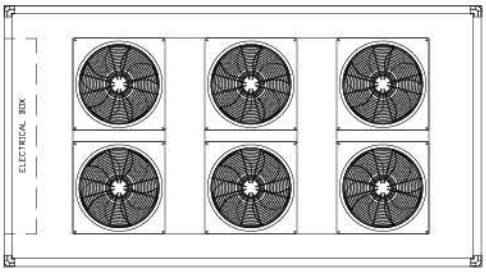


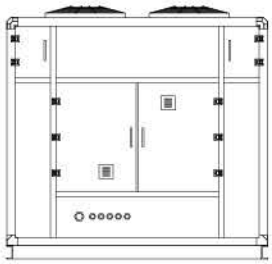

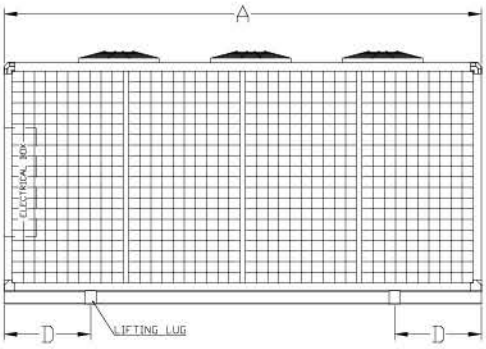


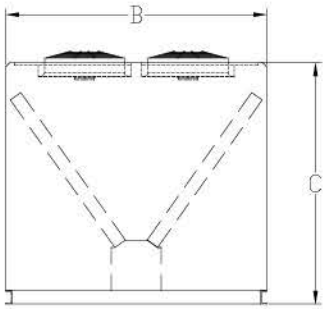

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WS120 | 3900 | 2600 | 2800 | 700 |
| TCOR2WS140 | 3900 | 2600 | 2800 | 700 |

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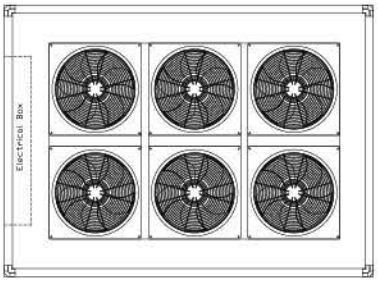


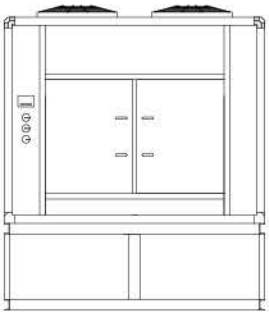

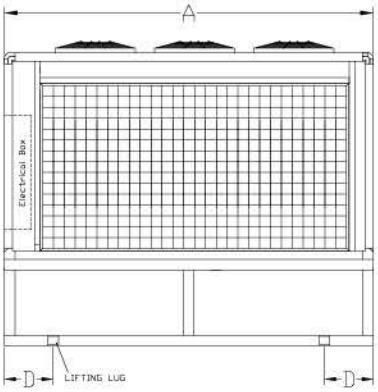


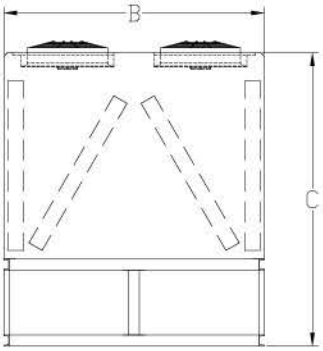

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WS160 | 4600 | 2600 | 2800 | 700 |
| TCOR2WS180 | 4600 | 2600 | 2800 | 700 |

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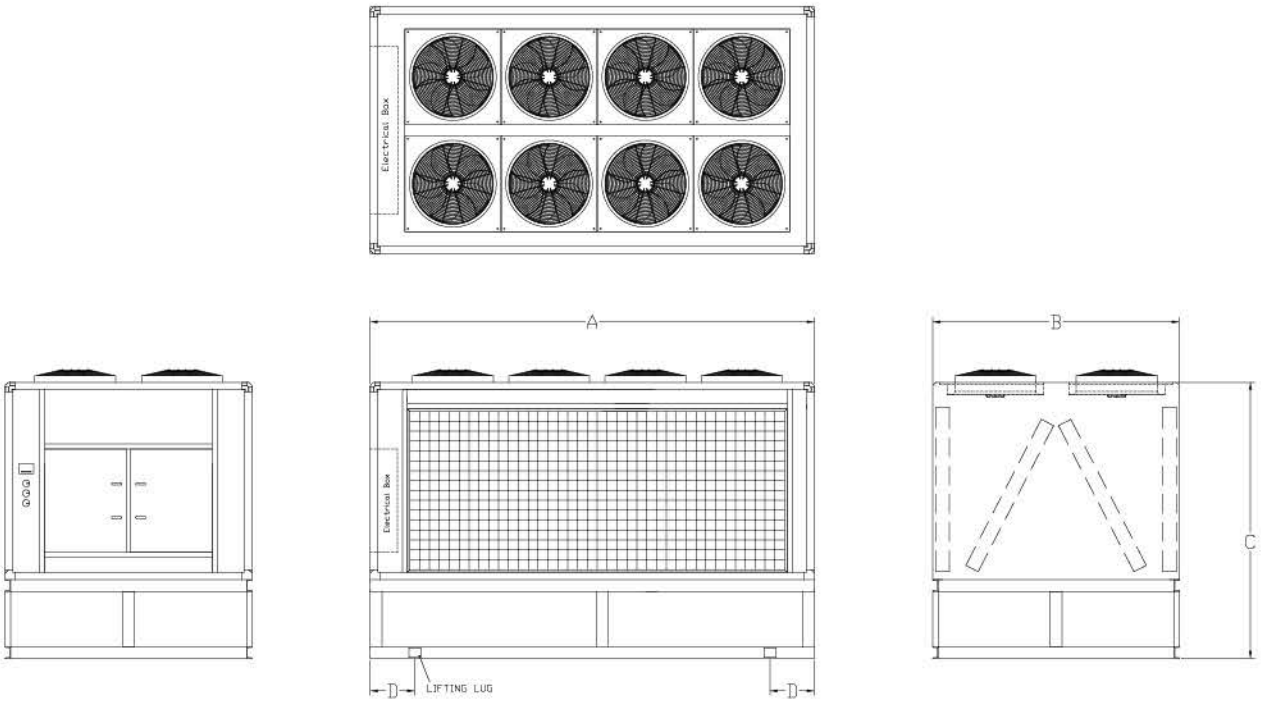

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WS220 | 7400 | 2600 | 2800 | 700 |
| TCOR2WS250 | 7400 | 2600 | 2800 | 700 |
| TCOR2WS280 | 7600 | 2600 | 2800 | 700 |

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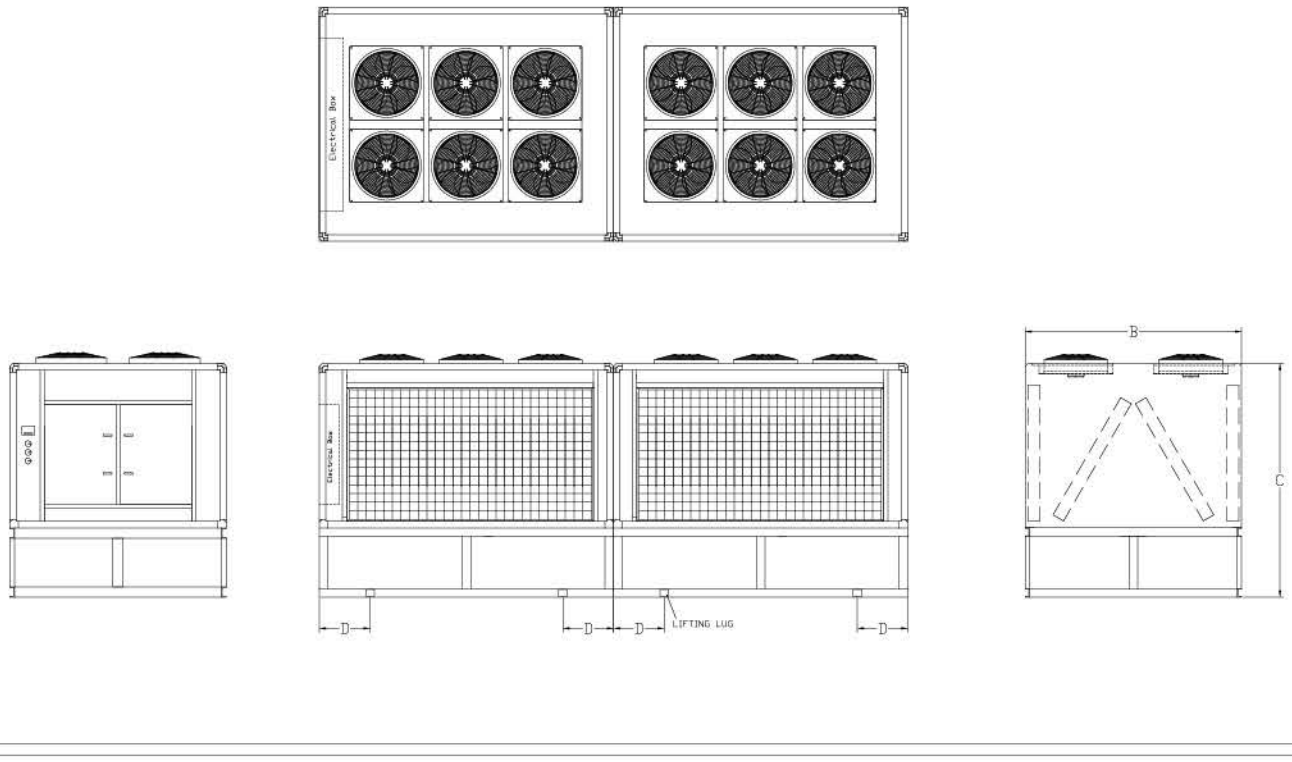

## Air Cooled Condenser Unit Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOR2WS320 | 8800 | 2600 | 2800 | 700 |
| TCOR2WS360 | 8800 | 2600 | 2800 | 700 |

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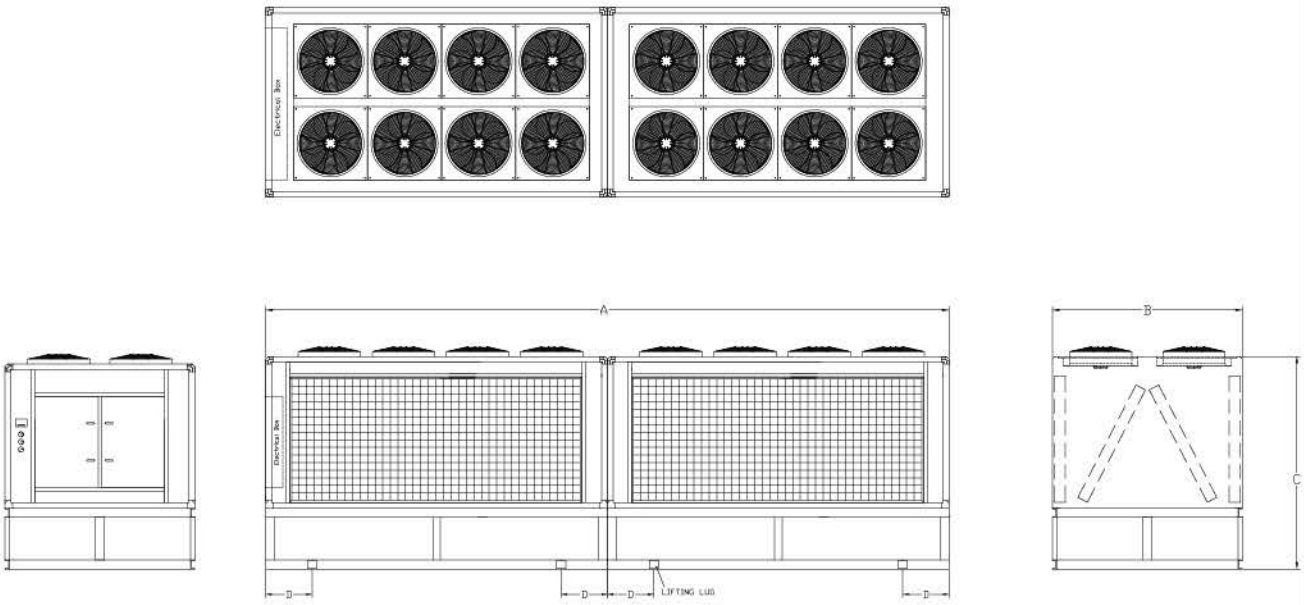

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TC□S1VS050 | 3000 | 2400 | 2100 | 450 |
| TC□S1VS060 | 3300 | 2400 | 2100 | 450 |
| TC□S1VS070 | 3300 | 2400 | 2100 | 450 |

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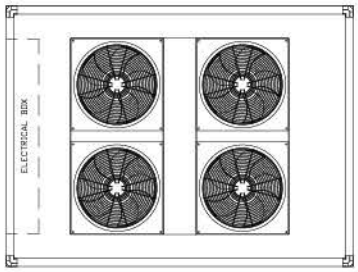


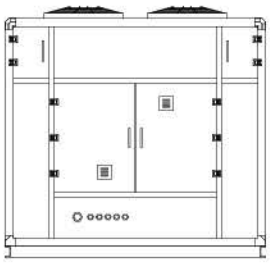

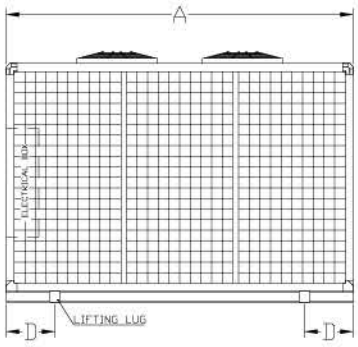


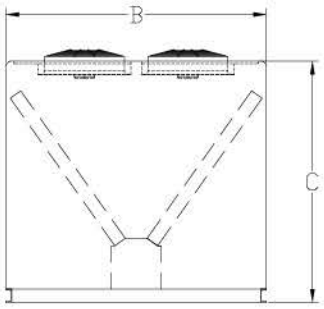

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOS1VS080 | 3900 | 2400 | 2120 | 700 |
| TCOS1VS090 | 3900 | 2400 | 2120 | 700 |

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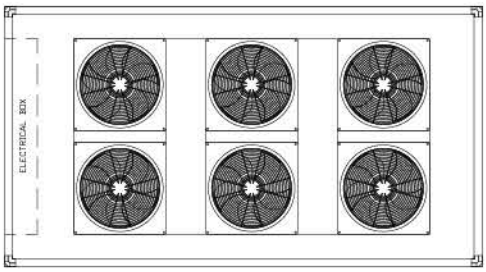


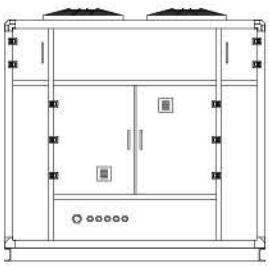

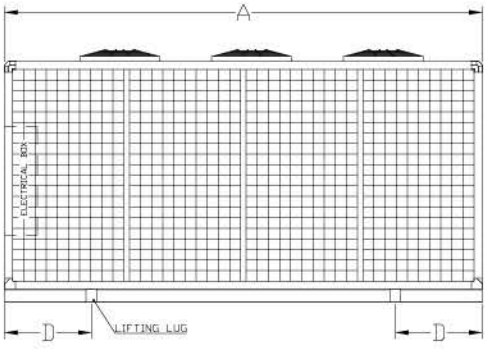


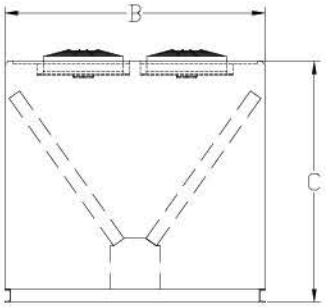

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCDS1WS110 | 3900 | 2600 | 2800 | 700 |

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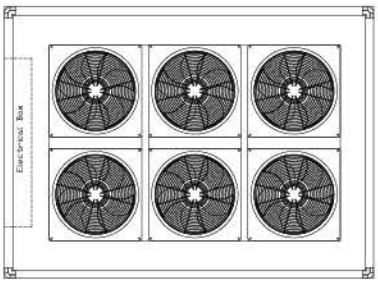


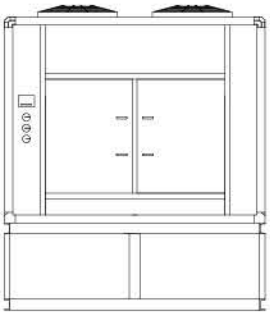

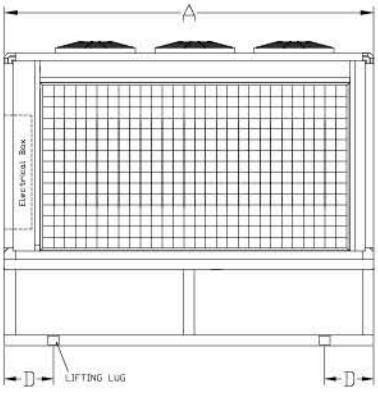


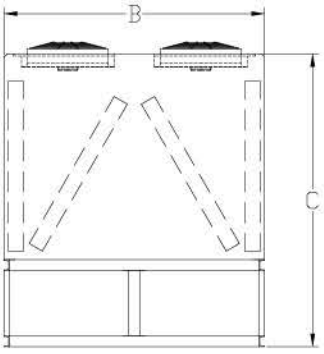

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOS1WS125 | 4600 | 2600 | 2800 | 700 |
| TCOS1WS140 | 4600 | 2600 | 2800 | 700 |
| TCOS1WS160 | 4600 | 2600 | 2800 | 700 |
| TCOS1WS180 | 4600 | 2600 | 2800 | 700 |

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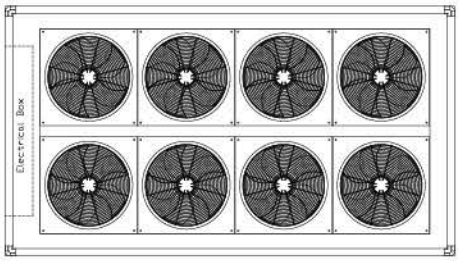


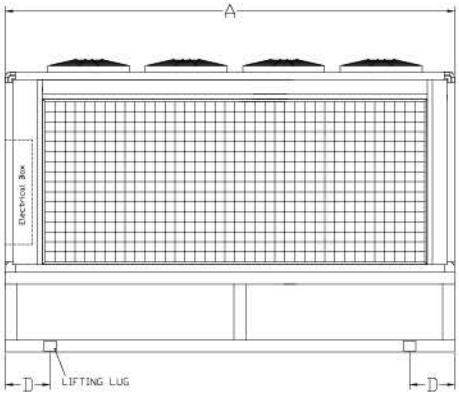


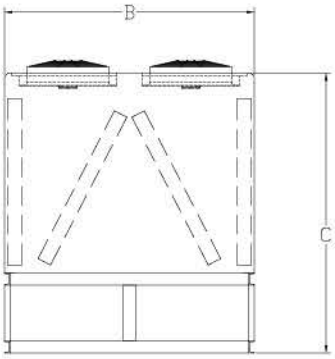

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOS2WS100 | 3900 | 2600 | 2800 | 700 |

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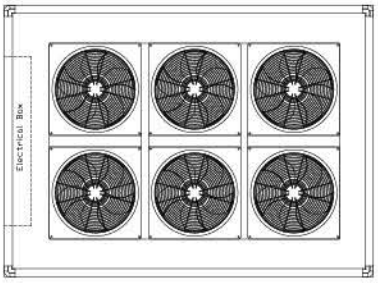


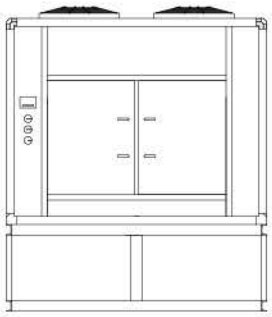

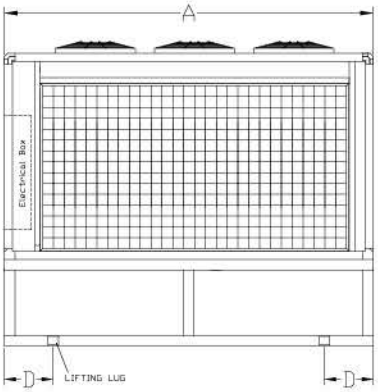


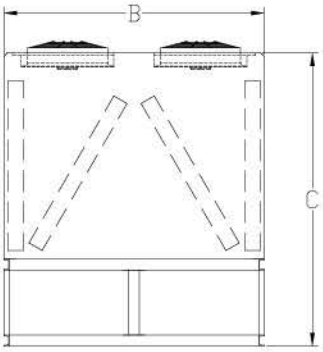

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCDS2WS120 | 4600 | 2600 | 2800 | 700 |
| TCDS2WS140 | 4600 | 2600 | 2800 | 700 |
| TCDS2WS160 | 4600 | 2600 | 2800 | 700 |
| TCDS2WS180 | 4600 | 2600 | 2800 | 700 |

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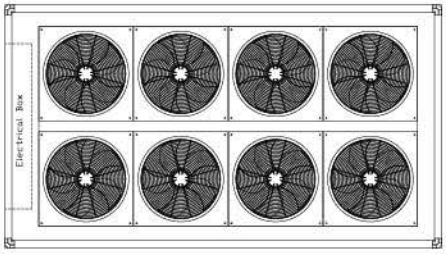


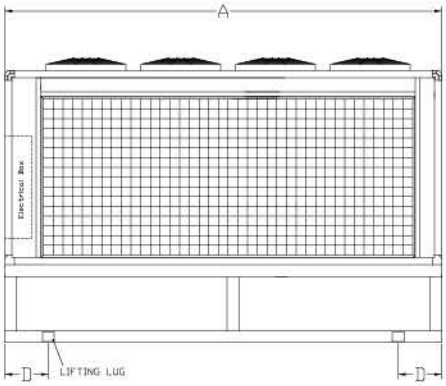


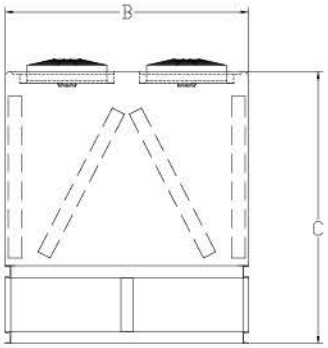

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOS2WS220 | 7400 | 2600 | 2800 | 700 |

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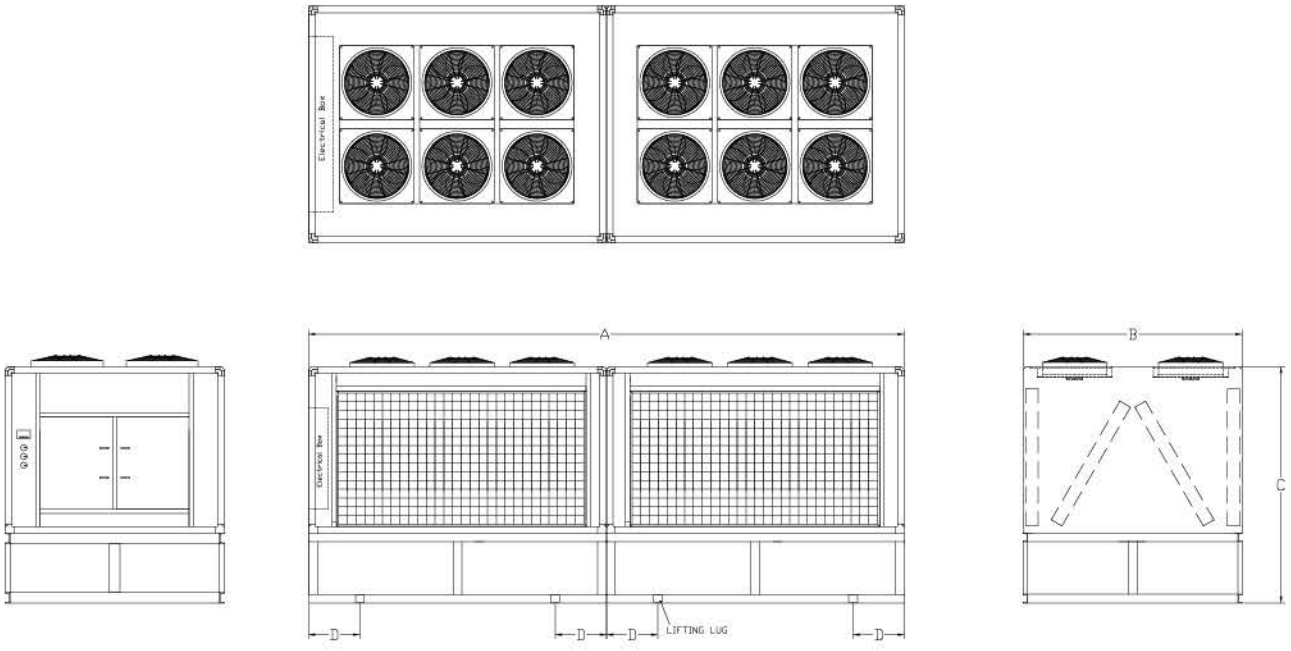

## Air Cooled Package Screw Chillers Dimensional Drawing

| MODEL | A | B | C | D |
|---|---|---|---|---|
| TCOS2WS250 | 8800 | 2600 | 2800 | 700 |
| TCOS2WS280 | 8800 | 2600 | 2800 | 700 |
| TCOS2WS320 | 8800 | 2600 | 2800 | 700 |
| TCOS2WS360 | 8800 | 2600 | 2800 | 700 |

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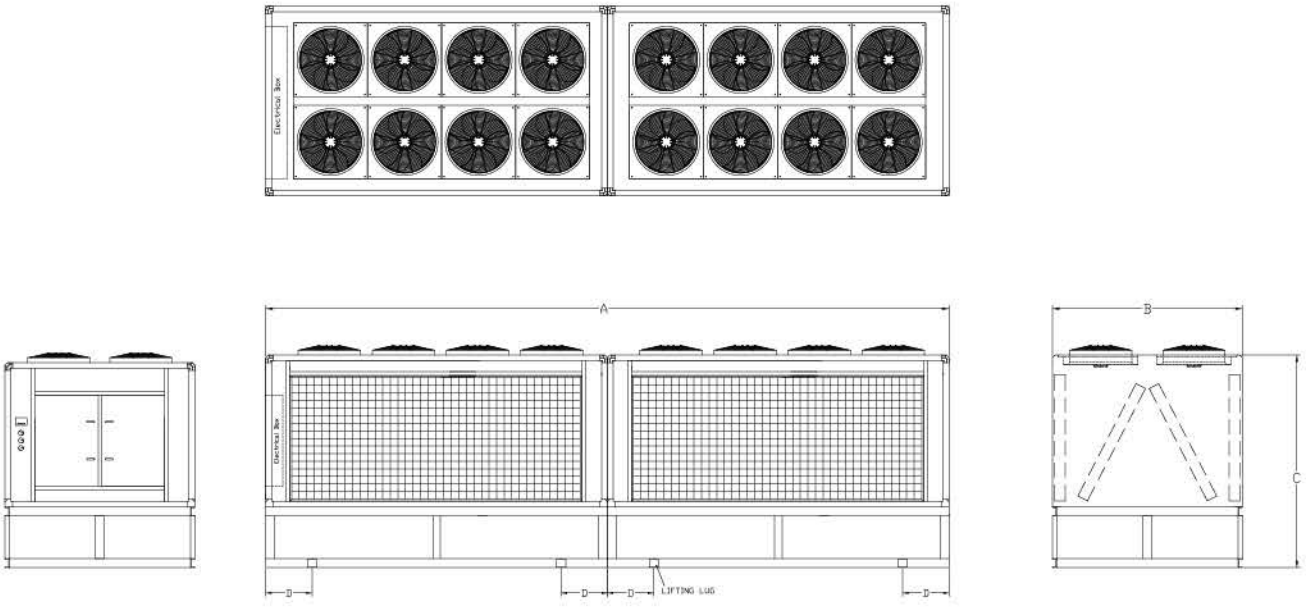
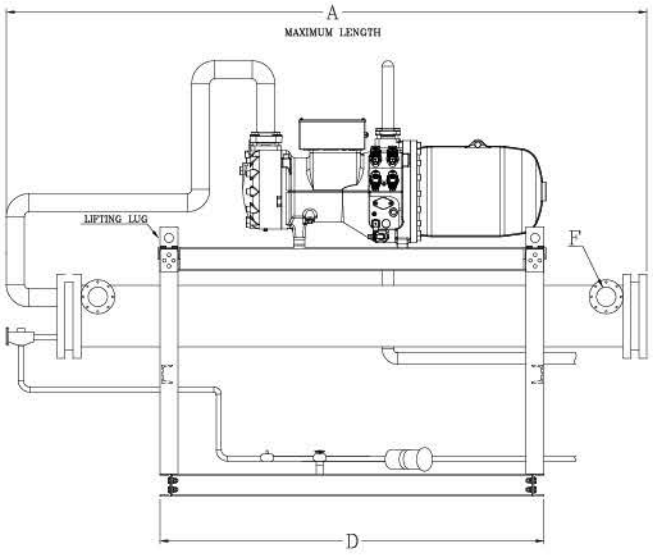
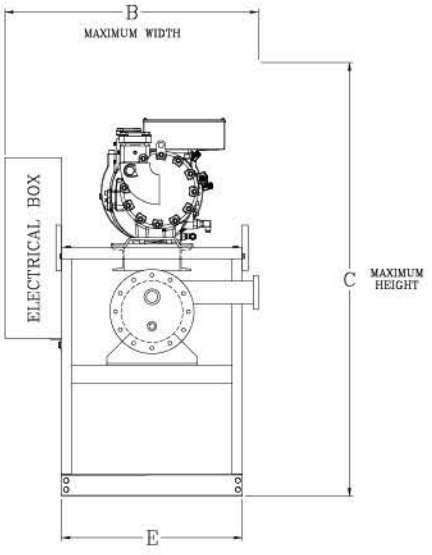
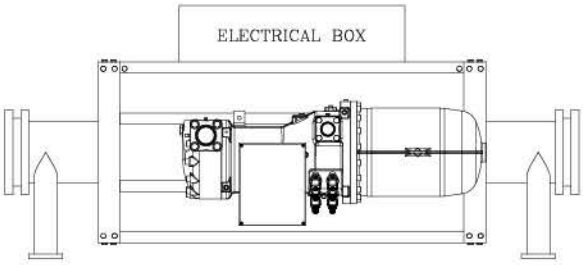


## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TRC1W1L050 | 2500 | 1250 | 1700 | 1500 | 900 | 4" |
| TRC1W1L060 | 2700 | 1250 | 1700 | 1700 | 900 | 4" |
| TRC1W1L070 | 3000 | 1250 | 1700 | 2000 | 900 | 4" |
| TRC1W1L080 | 3000 | 1250 | 1700 | 2000 | 900 | 4" |
| TRC1W1L090 | 3000 | 1250 | 1700 | 2000 | 900 | 6" |
| TRC1W1L100 | 3500 | 1250 | 1700 | 2500 | 900 | 6" |
| TRC1W1L110 | 3500 | 1250 | 1700 | 2500 | 900 | 6" |
| TRC1W1L125 | 3000 | 1550 | 2000 | 2000 | 1200 | 6" |
| TRC1W1L140 | 3500 | 1550 | 1900 | 2500 | 1200 | 6" |
| TRC1W1L160 | 4000 | 1550 | 2000 | 3000 | 1200 | 6" |
| TRC1W1L180 | 3000 | 1550 | 1700 | 2000 | 1200 | 6" |

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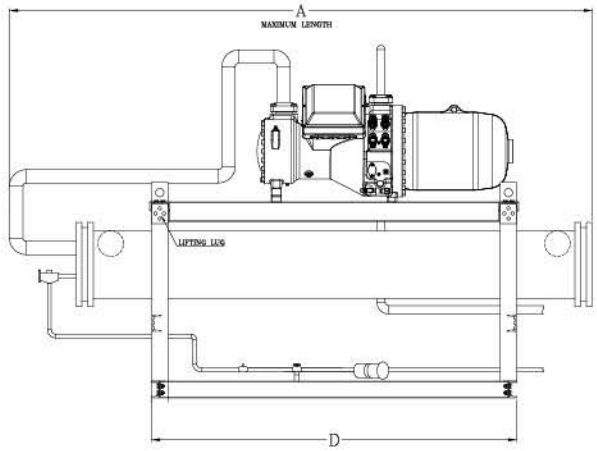
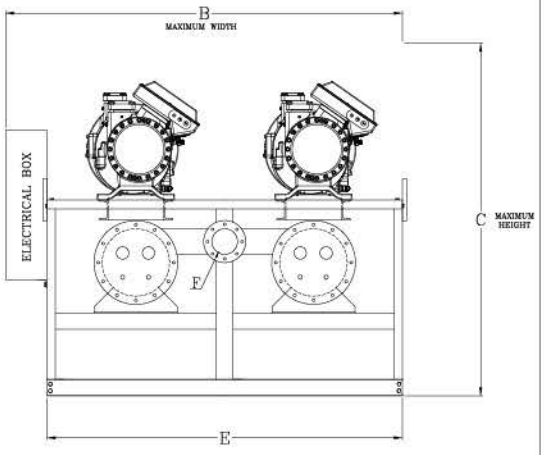
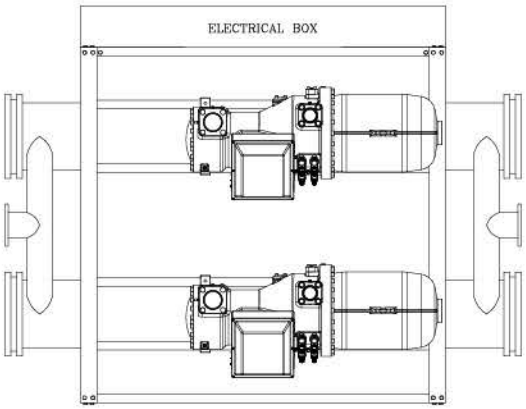
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TRC2W2L220 | 3500 | 2000 | 1900 | 2500 | 1800 | 8" |
| TRC2W2L250 | 3000 | 2000 | 1900 | 2000 | 2400 | 8" |
| TRC2W2L280 | 3500 | 2000 | 1900 | 2500 | 2400 | 8" |
| TRC2W2L320 | 4000 | 2000 | 1900 | 3000 | 2400 | 8" |
| TRC2W2L360 | 3000 | 2000 | 2000 | 2000 | 2400 | 8" |

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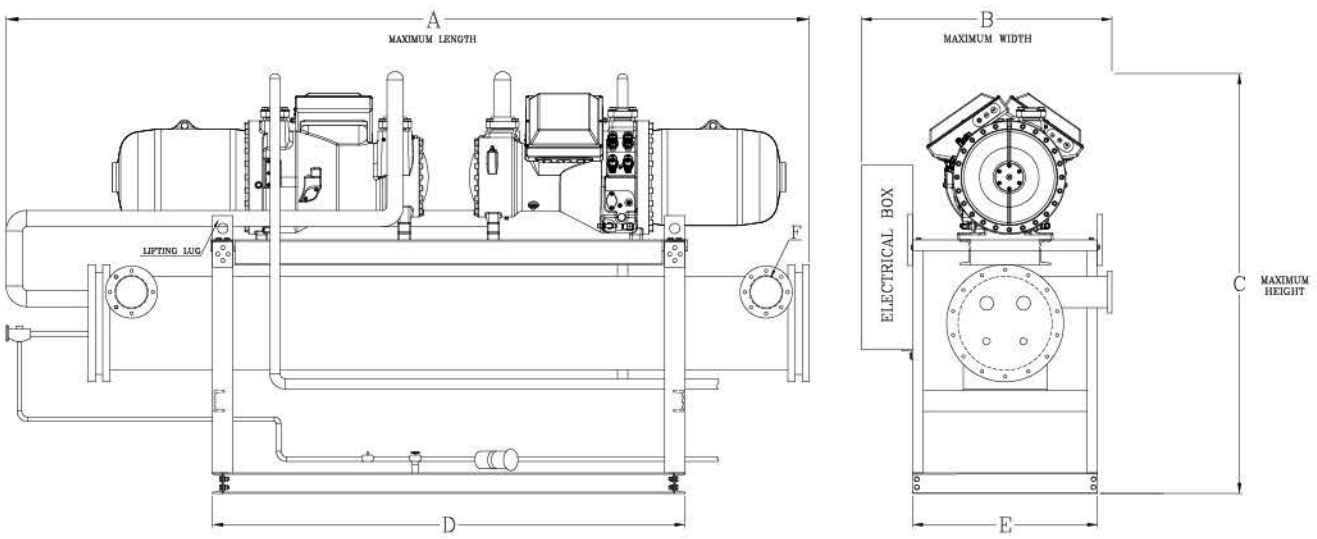
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TRC1W2L100 | 3000 | 1250 | 1750 | 2000 | 900 | 6" |
| TRC1W2L120 | 3500 | 1250 | 1750 | 2500 | 900 | 6" |
| TRC1W2L140 | 3500 | 1550 | 1750 | 2500 | 1200 | 6" |
| TRC1W2L160 | 3500 | 1550 | 1750 | 2500 | 1200 | 6" |
| TRC1W2L180 | 3000 | 1550 | 1850 | 2000 | 1200 | 6" |
| TRC1W2L200 | 3500 | 1550 | 1850 | 2500 | 1200 | 6" |

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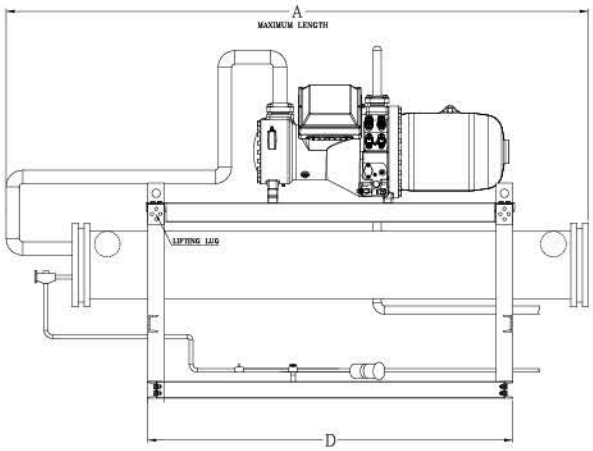
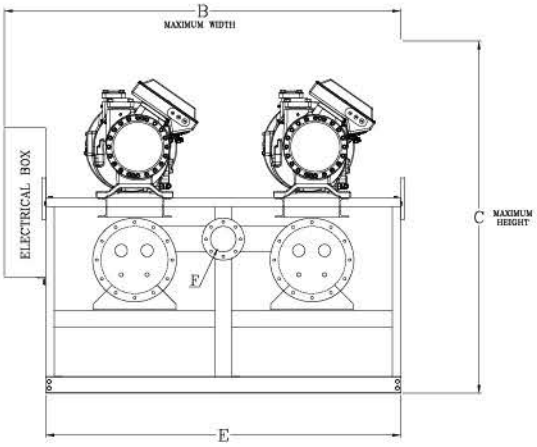
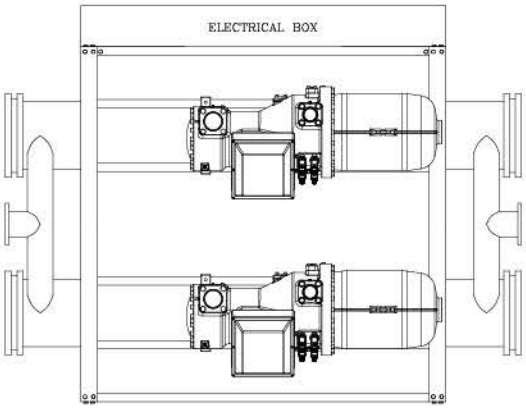
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TRC2S2L220 | 3500 | 2050 | 1900 | 2500 | 1800 | 8" |
| TRC2S2L250 | 3000 | 2650 | 1900 | 2000 | 2400 | 8" |
| TRC2S2L280 | 3500 | 2650 | 1900 | 2500 | 2400 | 8" |
| TRC2S2L320 | 4000 | 2650 | 1900 | 3000 | 2400 | 8" |
| TRC2S2L360 | 3500 | 2650 | 2000 | 2500 | 2400 | 8" |

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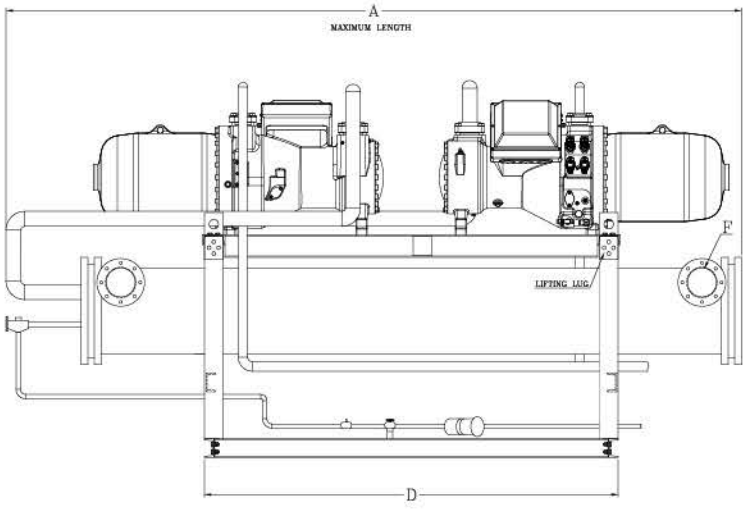
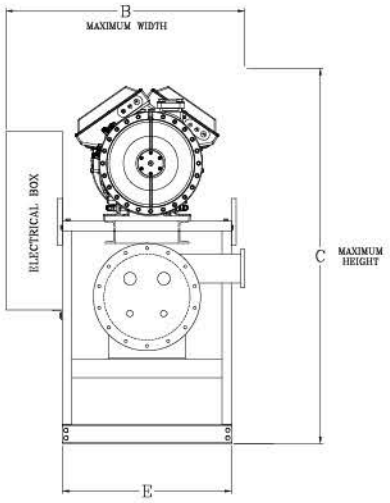
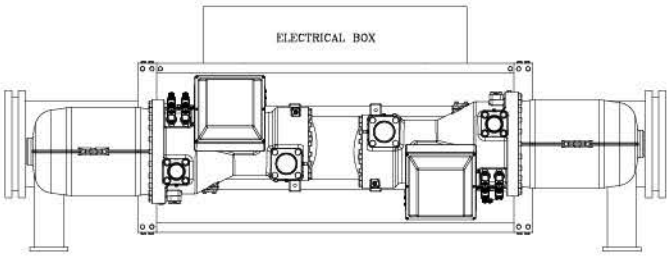
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TRC1S2L100 | 3500 | 1250 | 1750 | 2500 | 900 | 6" |
| TRC1S2L120 | 3000 | 1550 | 1750 | 2500 | 1200 | 6" |
| TRC1S2L140 | 3500 | 1550 | 1750 | 2500 | 1200 | 6" |
| TRC1S2L160 | 4000 | 1550 | 1750 | 3000 | 1200 | 6" |
| TRC1S2L180 | 3500 | 1550 | 1950 | 2500 | 1200 | 6" |

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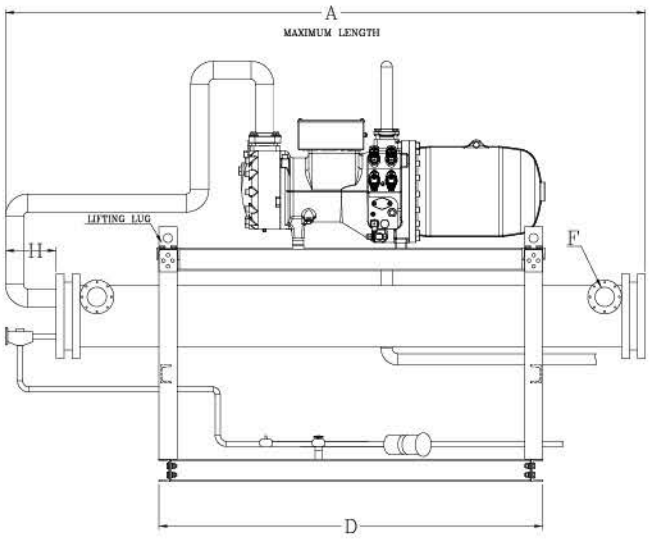
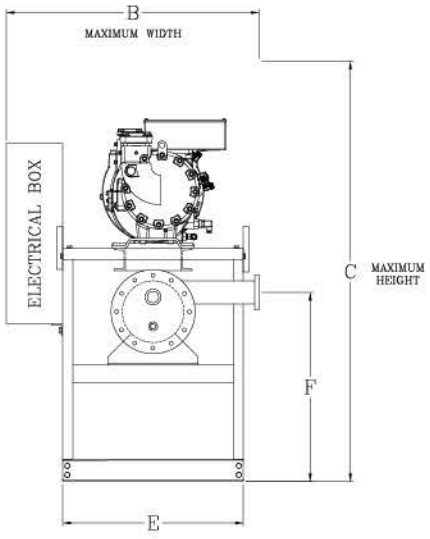
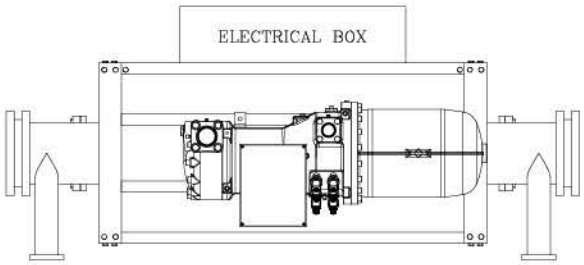
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TRC1S1L050 | 2480 | 1250 | 1680 | 1460 | 900 | 4" |
| TRC1S1L060 | 2680 | 1250 | 1680 | 1680 | 900 | 4" |
| TRC1S1L070 | 2980 | 1250 | 1680 | 1980 | 900 | 4" |
| TRC1S1L080 | 3480 | 1250 | 1680 | 2480 | 900 | 4" |
| TRC1S1L090 | 2980 | 1250 | 1680 | 1980 | 900 | 6" |
| TRC1S1L110 | 3480 | 1250 | 1700 | 2480 | 900 | 6" |
| TRC1S1L125 | 2980 | 1550 | 1860 | 1980 | 1200 | 6" |
| TRC1S1L140 | 3480 | 1550 | 1860 | 2480 | 1200 | 6" |
| TRC1S1L160 | 3980 | 1550 | 1860 | 2980 | 1200 | 6" |
| TRC1S1L180 | 3480 | 1550 | 1980 | 2480 | 1200 | 6" |

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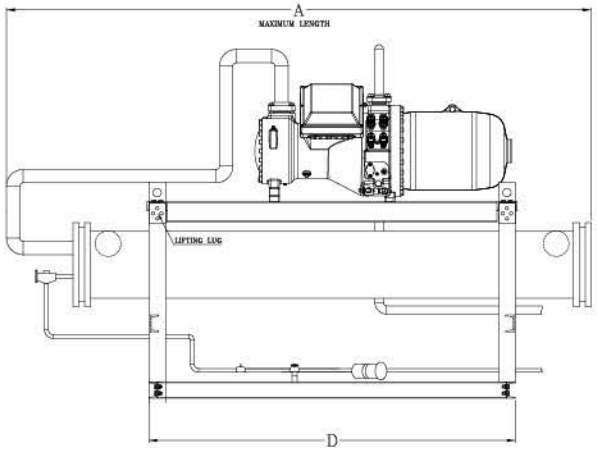
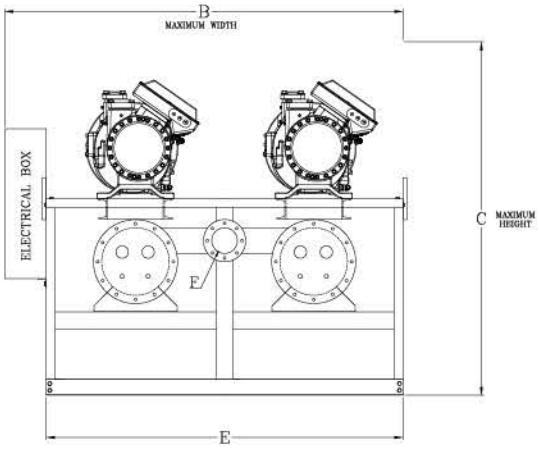
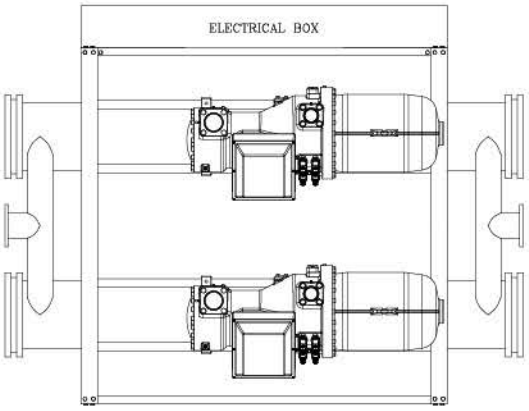
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TYC2S2L220 | 3000 | 2050 | 1900 | 2000 | 1800 | 6" |
| TYC2S2L250 | 3500 | 2050 | 1900 | 2500 | 1800 | 6" |
| TYC2S2L280 | 3000 | 2050 | 1900 | 2000 | 1800 | 8" |
| TYC2S2L320 | 3500 | 2650 | 1900 | 2500 | 2400 | 8" |
| TYC2S2L360 | 3000 | 2650 | 2000 | 2000 | 2400 | 8" |

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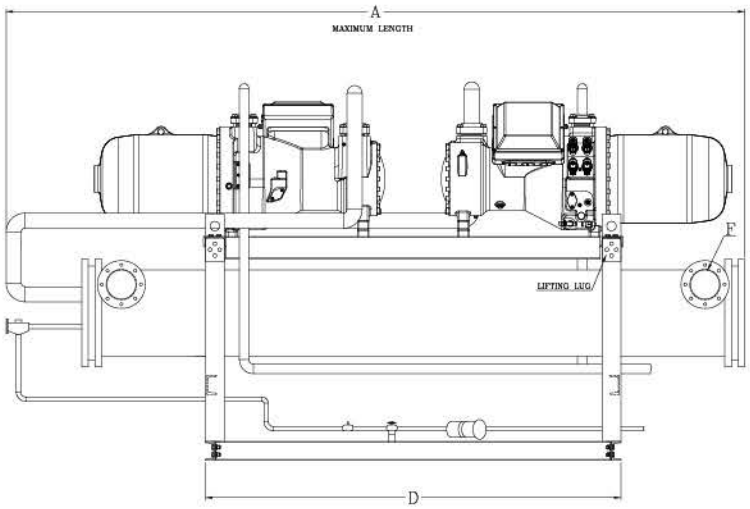
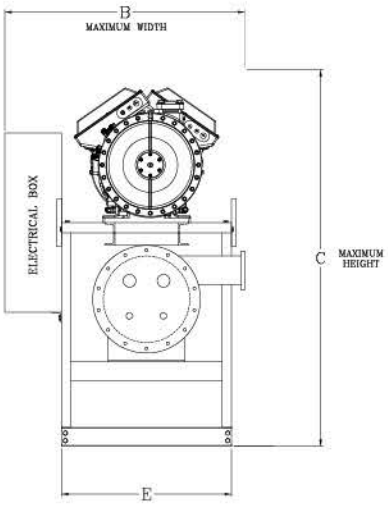
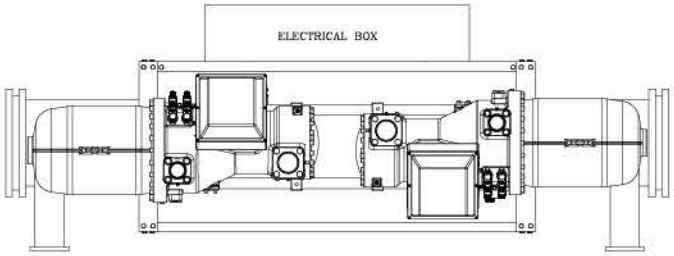
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TYC1S2L100 | 3000 | 1250 | 1750 | 2000 | 900 | 6" |
| TYC1S2L120 | 3500 | 1250 | 1750 | 2500 | 900 | 6" |
| TYC1S2L140 | 3000 | 1550 | 1750 | 2000 | 1200 | 6" |
| TYC1S2L160 | 3500 | 1550 | 1750 | 2500 | 1200 | 6" |
| TYC1S2L180 | 3500 | 1550 | 1900 | 2500 | 1200 | 6" |

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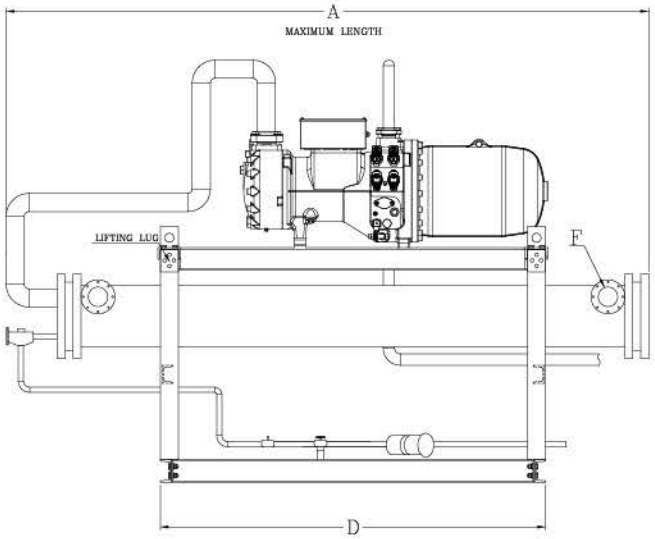
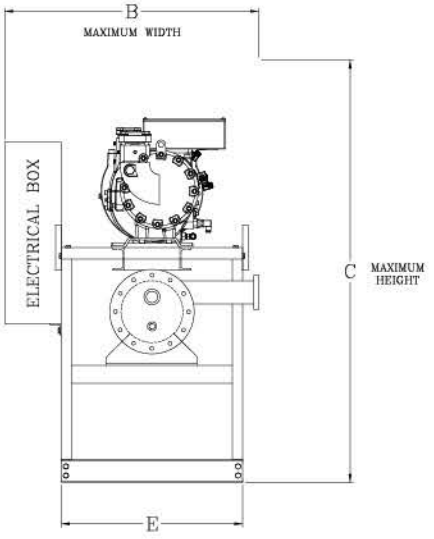
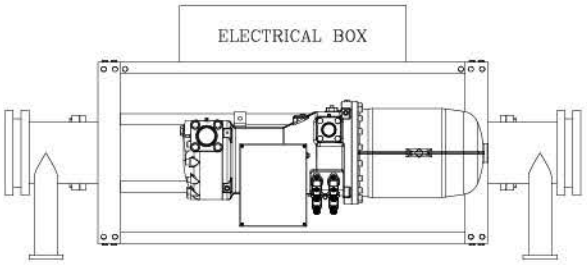
## Remote Screw Chiller Dimensional Drawing




| MODEL | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| TYC1S1L050 | 2500 | 1250 | 1700 | 1500 | 900 | 4" |
| TYC1S1L060 | 2500 | 1250 | 1700 | 1500 | 900 | 4" |
| TYC1S1L070 | 2500 | 1250 | 1700 | 1500 | 900 | 4" |
| TYC1S1L080 | 3000 | 1250 | 1700 | 2000 | 900 | 4" |
| TYC1S1L090 | 3500 | 1250 | 1700 | 2500 | 900 | 4" |
| TYC1S1L110 | 3000 | 1250 | 1700 | 2000 | 900 | 6" |
| TYC1S1L125 | 3500 | 1250 | 1700 | 2500 | 900 | 6" |
| TYC1S1L140 | 3000 | 1550 | 1850 | 2000 | 1200 | 6" |
| TYC1S1L160 | 3500 | 1550 | 1850 | 2500 | 1200 | 6" |
| TYC1S1L180 | 3000 | 1550 | 2000 | 2000 | 1200 | 6" |

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## Chillers Weight table:

| Air Cooled Package Chillers Weight table | | | | | | |
|---|---|---|---|---|---|---|
| Row | Model (R22) | Weight (kg) | Model (R134a) Non-Tropical | Weight (kg) | Model (R134a) Tropical | Weight (kg) |
| 1 | TAC1W1L050 | 2861 | TAC1S1L050 | 2576 | TTC1S1L050 | 3172 |
| 2 | TAC1W1L060 | 3043 | TAC1S1L060 | 2716 | TTC1S1L060 | 3154 |
| 3 | TAC1W1L070 | 3229 | TAC1S1L070 | 2877 | TTC1S1L070 | 3178 |
| 4 | TAC1W1L080 | 3515 | TAC1S1L080 | 3205 | TTC1S1L080 | 3665 |
| 5 | TAC1W1L090 | 3854 | TAC1S1L090 | 3443 | TTC1S1L090 | 3816 |
| 6 | TAC1W1L100 | 3997 | - | - | - | - |
| 7 | TAC1W1L110 | 4566 | TAC1S1L110 | 3917 | TTC1S1L110 | 4712 |
| 8 | TAC1W1L125 | 4785 | TAC1S1L125 | 4906 | TTC1S1L125 | 5303 |
| 9 | TAC1W1L140 | 5045 | TAC1S1L140 | 5114 | TTC1S1L140 | 5632 |
| 10 | TAC1W1L160 | 5689 | TAC1S1L160 | 5765 | TTC1S1L160 | 5653 |
| 11 | TAC1W1L180 | 5734 | TAC1S1L180 | 5965 | TTC1S1L180 | 5061 |
| 12 | TAC1W2L100 | 4029 | TAC1S2L100 | 4037 | TTC1S2L100 | 4712 |
| 13 | TAC1W2L120 | 4824 | TAC1S2L120 | 4699 | TTC1S2L120 | 5369 |
| 14 | TAC1W2L140 | 4873 | TAC1S2L140 | 5106 | TTC1S2L140 | 5457 |
| 15 | TAC1W2L160 | 5310 | TAC1S2L160 | 5677 | TTC1S2L160 | 5669 |
| 16 | TAC1W2L180 | 5837 | TAC1S2L180 | 5893 | TTC1S2L180 | 7632 |
| 17 | TAC1W2L200 | 5982 | TAC2S2L220 | 7834 | TTC2S2L220 | 9425 |
| 18 | TAC2W2L220 | 9132 | - | - | - | - |
| 19 | TAC2W2L250 | 9570 | TAC2S2L250 | 9812 | TTC2S2L250 | 10606 |
| 20 | TAC2W2L280 | 10089 | TAC2S2L280 | 10228 | TTC2S2L280 | 11264 |
| 21 | TAC2W2L320 | 11378 | TAC2S2L320 | 11530 | TTC2S2L320 | 11306 |
| 22 | TAC2W2L360 | 11469 | TAC2S2L360 | 11931 | TTC2S2L360 | 10122 |

| Air Cooled Remote Chillers Weight table | | | | | | |
|---|---|---|---|---|---|---|
| Row | Model (R22) | Weight (kg) | Model (R134a) Non-Tropical | Weight (kg) | Model (R134a) Tropical | Weight (kg) |
| 1 | TRC1W1L050 | 2726 | TRC1S1L050 | 2641 | TYC1S1L050 | 2916 |
| 2 | TRC1W1L060 | 2793 | TRC1S1L060 | 2677 | TYC1S1L060 | 3010 |
| 3 | TRC1W1L070 | 3088 | TRC1S1L070 | 2738 | TYC1S1L070 | 3039 |
| 4 | TRC1W1L080 | 3287 | TRC1S1L080 | 3326 | TYC1S1L080 | 3639 |
| 5 | TRC1W1L090 | 3471 | TRC1S1L090 | 3397 | TYC1S1L090 | 3768 |
| 6 | TRC1W1L100 | 3619 | - | - | - | - |
| 7 | TRC1W1L110 | 3865 | TRC1S1L110 | 3545 | TYC1S1L110 | 4081 |
| 8 | TRC1W1L125 | 4165 | TRC1S1L125 | 4286 | TYC1S1L125 | 4322 |
| 9 | TRC1W1L140 | 4396 | TRC1S1L140 | 4469 | TYC1S1L140 | 4662 |
| 10 | TRC1W1L160 | 4671 | TRC1S1L160 | 5206 | TYC1S1L160 | 5090 |
| 11 | TRC1W1L180 | 4742 | TRC1S1L180 | 5418 | TYC1S1L180 | 4509 |
| 12 | TRC1W2L100 | 3772 | TRC1S2L100 | 4178 | TYC1S2L100 | 4253 |
| 13 | TRC1W2L120 | 4227 | TRC1S2L120 | 4525 | TYC1S2L120 | 4571 |
| 14 | TRC1W2L140 | 4706 | TRC1S2L140 | 4684 | TYC1S2L140 | 4670 |
| 15 | TRC1W2L160 | 4837 | TRC1S2L160 | 5558 | TYC1S2L160 | 5546 |
| 16 | TRC1W2L180 | 5042 | TRC1S2L180 | 5774 | TYC2S2L180 | 7535 |
| 17 | TRC1W2L200 | 5199 | - | - | - | - |
| 18 | TRC2W2L220 | 7731 | TRC2S2L220 | 7091 | TYC2S2L220 | 8162 |
| 19 | TRC2W2L250 | 8329 | TRC2S2L250 | 8571 | TYC2S2L250 | 8644 |
| 20 | TRC2W2L280 | 8791 | TRC2S2L280 | 8939 | TYC2S2L280 | 9324 |
| 21 | TRC2W2L320 | 9341 | TRC2S2L320 | 10413 | TYC2S2L320 | 10179 |
| 22 | TRC2W2L360 | 9484 | TRC2S2L360 | 10835 | TYC2S2L360 | 9018 |

| Air Cooled Condenser Unit Weight table | | | | | | |
|---|---|---|---|---|---|---|
| Row | Model (R22) | Weight (kg) | Model (R134a) Non-Tropical | Weight (kg) | Model (R134a) Tropical | Weight (kg) |
| 1 | TCOR1VW050 | 2233 | TCOR1VS050 | 1948 | TCOS1VS050 | 2544 |
| 2 | TCOR1VW060 | 2404 | TCOR1VS060 | 2088 | TCOS1VS060 | 2526 |
| 3 | TCOR1VW070 | 2539 | TCOR1VS070 | 2187 | TCOS1VS070 | 2550 |
| 4 | TCOR1VW080 | 2825 | TCOR1VS080 | 2441 | TCOS1VS080 | 2976 |
| 5 | TCOR1VW090 | 3022 | TCOR1VS090 | 2610 | TCOS1VS090 | 3051 |
| 6 | TCOR1VW100 | 3069 | - | - | -- | |
| 7 | TCOR1WW110 | 3638 | TCOR1WS110 | 3084 | TCOS1WS110 | 3880 |
| 8 | TCOR1WW125 | 3821 | TCOR1WS125 | 3942 | TCOS1WS125 | 4375 |
| 9 | TCOR1WW140 | 3966 | TCOR1WS140 | 4035 | TCOS1WS140 | 4668 |
| 10 | TCOR1WW160 | 4496 | TCOR1WS160 | 4572 | TCOS1WS160 | 4574 |
| 11 | TCOR1WW180 | 4523 | TCOR1WS180 | 4605 | TCOS1WS180 | 3850 |
| 12 | TCOR2VW100 | 3197 | TCOR2VS100 | 3204 | TCOS2WS100 | 3880 |
| 13 | TCOR2WW120 | 3744 | TCOR2WS120 | 3736 | TCOS2WS120 | 4441 |
| 14 | TCOR2WW140 | 3794 | TCOR2WS140 | 4027 | TCOS2WS140 | 4494 |
| 15 | TCOR2WW160 | 4231 | TCOR2WS160 | 4598 | TCOS2WS160 | 4590 |
| 16 | TCOR2WW180 | 4624 | TCOR2WS180 | 4682 | TCOS2WS180 | 5828 |
| 17 | TCOR2WW200 | 4621 | - | - | -- | |
| 18 | TCOR2WW220 | 7000 | TCOR2WS220 | 5894 | TCOS2WS220 | 7484 |
| 19 | TCOR2WW250 | 7368 | TCOR2WS250 | 7610 | TCOS2WS250 | 8474 |
| 20 | TCOR2WW280 | 7656 | TCOR2WS280 | 7795 | TCOS2WS280 | 9062 |
| 21 | TCOR2WW320 | 8716 | TCOR2WS320 | 8868 | TCOS2WS320 | 8873 |
| 22 | TCOR2WW360 | 8771 | TCOR2WS360 | 8934 | TCOS2WS360 | 7425 |