TAHVIEH
AIR CONDITIONING SYSTEMS

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ISO 9001
Registered Firm
IMQ

No.1, Kooh_e_Noor St., Shahid Motahhari
Ave. Tehran, IRAN Zip Cod:1587633111
Tel:+9821 41827 Fax:+9821 88543584
export@tahvieh.com www.tahvieh.com

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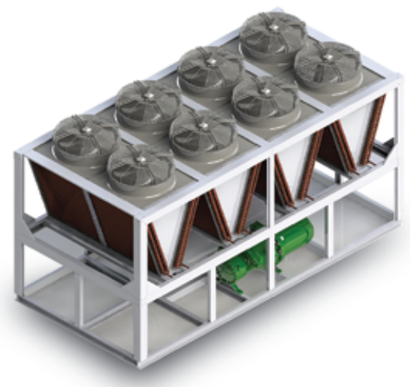
ECO FRIENDLY

Air Cooled Chiller-Modular



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.

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CONTENTS

Features

Package Air Cooled chiller or Remote Air Cooled Chiller
50 to 360 nominal tons or more as modular for Air Cooled Chillers (chiller plus remote condenser)
R22, R134a & R407C Refrigerant
They are designed with R134a refrigerant at Tropical & Non-tropical condition
One circuit, two or more identical refrigerant circuits as modular
PLC or Mini-PLC Controller with European Brands
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 Chiller

Item	Chiller			Symbol
1	Company	Tahvieh		T
2	Product Group	Water Cooled		W
		Air Cooled (Non-Tropical)		A
		Air Cooled (Tropical)		T
		Split Air Cooled (Non-Tropical)		R
		Split Air Cooled (Tropical)		Y
3	Production	Chiller-Welding Chassis		C
		Chiller-Screw & Nut Chassis		S
		Chiller-Modular Chassis		U
4	No. of Module	-		Number
5	Compressor & Refrigerant Types	Screw	R22	W
			R134a	S
			R407C	P
		Reciprocating	R22	T
			R134a	G
			R410a	K
			R407C	L
		Scroll	R22	V
			R134a	M
			R410a	N
			R407C	E
6	No. of Compressors	-		Number
7	Condenser / Evaporator Type	Plate / Plate		P
		Shell & Tube / Shell & Tube		S
		Shell & Tube / Plate		O
		Plate / Shell & Tube		J
		Fin & Tube Coil / Shell & Tube		L
		Fin & Tube Coil / Plate		D
		Micro-Channel Coil / Shell & Tube		X
		Micro-Channel Coil / Plate		Z
8,9,10	Nominal Compressor Motor Power	HP		XXX

Example: T-A-U-1-W-1-L-070 ⟶ TAU1W1L070

Condenser Unit for Remote Air Cooled Chiller

Item	Condenser Unit			Symbol
1	Company	Tahvieh		T
2	Production	Condenser Unit -Welding Chassis		C
		Condenser Unit –screw & nut Chassis		S
		Condenser Unit -modular Chassis		M
3	No. of Module	-		Number
4	Product Group	Tropical		S
		Non-Tropical		R
5	No. of Circuit	-		Number
6	Condenser Coil Type	Fin & Tube Coil	V Type	V
			W Type	W
		Micro-Channel Coil	V Type	X
			W Type	Z
7	Refrigerant	R22		W
		R134A		S
		R410A		R
		R407C		P
8,9,10	Nominal Compressor Motor Power	HP		XXX

Example: T-C-2-R-2-M-S-160 ⟶ TC2R2MS160

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

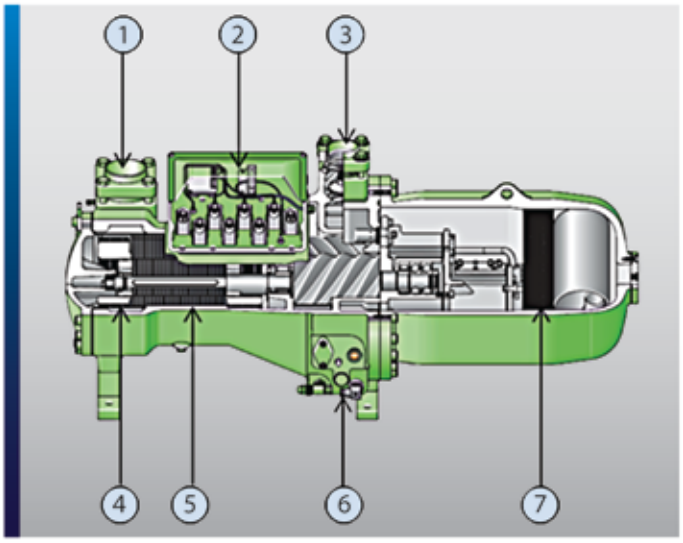
3- Discharge Cut-off Valve

4- Suction Filter net

5- Motor

6- Oil Heater

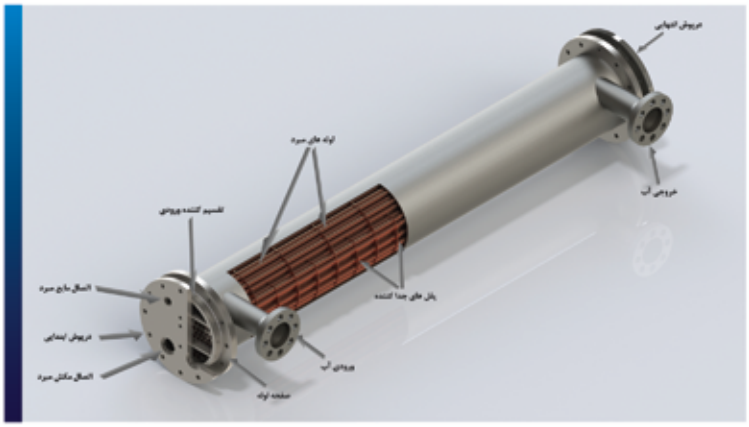
7- Oil Separator Filter net



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 Coils

Two types of Condenser Coil is manufactured.

• **Fin-Tube Coil:** Condenser coil is made of Inner Grooved Seamless copper tube arranged in a staggered row pattern, and mechanically expanded into aluminum or copper waved fins. Inner Grooved tube has better heat transfer performance. Coil circuit is factory leak tested at 470 psig under water. Copper fin or thermo-guard anti-corrosion coated for extending equipment life is provided optionally for humidity and corrosive weather.

• **Micro Channel:** Latest innovation in refrigeration technology is Brazed Aluminum Micro Channel Coil. Parallel-Flow Aluminum tubes are brazed to aluminum fins.

Micro-channel condenser coils are all aluminum coil with multiple flat tubes containing small channels (micro-channels) through which refrigerant flows. Heat transfer is maximized by the insertion of angled and louvered fins in between the flat tubes.

- The coil is composed of three components:
- A flat micro-channel tube.
- Fins located between the micro-channel tubes.
- Two refrigerant manifolds

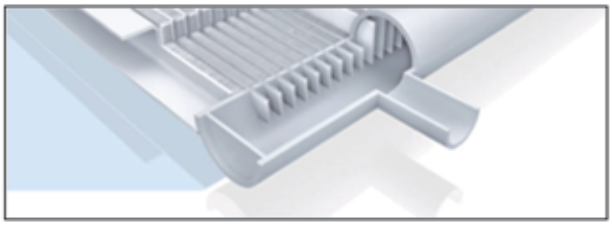
All the Components are joined together into a single coil using aluminum-zinc alloy brazing materials in a nitrogen-charged brazing furnace. Coil circuiting is accomplished by placing baffles in the distribution manifolds to feed the refrigerant through the flat tubes.

The micro-channel benefits are:

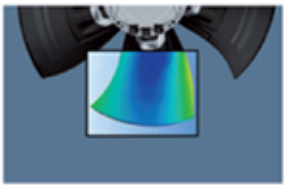
- **High heat transfer:** The higher heat transfer performance is obtained by the flat tubes, which maximized airside heat transfer, and micro-channels within the tubes. Also maximized refrigerant

side heat transfer via multiple tiny refrigerant channels which proved increased primary surface area.

- **Corrosion Protection:** the corrosion potential with the all-aluminum micro-channel coil is significantly lower than in copper/aluminum (bi-metal) coils as there are no dissimilar metals to initiate galvanic corrosion.
- **Refrigerant Charge:** micro-channel coils have a smaller volume and lowering condenser refrigerant charged.
- **Durability and reduced leak:** these coils require only one braze operation versus 50100-manually brazed joints for the other coils, significantly reducing the likelihood for leaks.
- **Ease of Service and repair**
- **Smaller Dimensions and lower weight**
- **Structural Strength and stability**



Condenser Fans



High efficiency, axial fans are used for condenser units.
These systems designed for three steps variable speed controller or inverter control capacity as optional. Condenser fan also is p rotected against over load and over current by phase control system.

Structure & Chassis

Aluminum profiles and hot dip galvanized sheets is used for structure and body. To reach more strength, body and structure coated by epoxy dye. Chassis made by strong steel to dividing the weight of unit.

Electronic Expansion Valve

The electronic expansion valve (EEV) operates with a much more sophisticated design. EEVs control the flow of refrigerant entering a direct expansion evaporator. They do this in response to signals sent to them by an electronic controller. A small motor is used to open and close the valve port.

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)
- High pressure indicator
- Low pressure indicator

Selection Information

Packaged Air Cooled Chiller and chiller & remote Condenser Unit is determined by the refrigeration capacity and chilled water temperature range 5°C according to following equation:

Actual cooling capacity= $\frac{\text{Cooling Capacity}}{(a*b)}$ (chilled water temperature range is 5°C)

Selection Procedure

Example:

-Establish Remote Air cooled Chiller and condenser unit requirements

Cooling capacity: 260 KW

Chilled Leaving water: 5°C

Chilled water range: 5°C

Ambient Temperature: 40°C

Refrigerant: R22

Altitude: 1200 m

Evaporator Fouling Factor: 0.044 m² °C/KW

Requirements parameter and specification

Select prober chiller and condenser

Consumption power (KW)

Chilled water flow (m³/h)

Coefficient of performance (COP)

Chilled water pressure drop (kPa)

Answer

Altitude Correction Factor from Table "A" is : a=0.973 , "a" is evaporator cooling capacity Fouling Correction Factor for evaporator from Table "B" is : b=1.022 , "b" is evaporator cooling capacity coefficient

Chiller selection:

Actual cooling capacity= $\frac{\text{Cooling Capacity}}{(a*b)} = \frac{260}{(0.973*1.022)}$ =261.5 KW

According to actual cooling capacity from package air cooled chillers rating tables, select the unit. Packaged air cooled chiller is model “TAU1W2L120” , Remote air cooled chiller is model “TRU1W2L120 “ & Air cooled condenser is model “TM3R2VW600”

This unit has cooling capacity 264.3 KW, Consumption power is 96.2 KW, chilled water pressure drop is 44.2 KPa

Fouling correction factor Tables

Table A: Altitude correction factors (Air side heat exchanger)

Elevation above sea level (m)	0	300	600	900	1200	1500	1800
Barometric pressure (bar)	1.013	0.977	0.942	0.908	0.875	0.843	0.812
Cooling capacity correction factor	1.000	0.993	0.986	0.979	0.973	0.976	0.960
Power input correction factor	1.000	1.005	1.009	1.015	1.021	1.026	1.031

Table B: Fouling factors (water side heat exchanger)

Fouling factor (m°2C/kw)	Correction Factor		
	Cooling capacity	Power input	COP
0.017	1.045	0.974	1.073
0.044	1.022	0.986	1.037
0.086	1.000	1.000	1.000
0.132	0.980	1.013	0.967

Table C: Ethylene glycol correction factors

Amount of ethylene glycol by weight (%)	10	20	30	40	50
Freezing point (°C)	3.3	-7.8	-14.0	-22.0	-33.0
Cooling capacity correction factor	0.997	0.993	0.987	0.981	0.972
Power input correction factor	0.999	0.997	0.995	0.993	0.99
Water flow rate correction factor	1.028	1.059	1.094	1.132	1.174
Water pressure drops correction factor	1.090	1.216	1.379	1.557	1.811

Technical Information

Packaged Air Cooled Screw Chiller Technical Data / R22 / Fin and Tube Condenser

Model			TAU1W1L 050	TAU1W1L 060	TAU1W1L 070	TAU1W1L 080	TAU1W1L 090	TAU1W2L 100	TAU1W2L 110	TAU1W2L 120	TAU1W2L 130	TAU1W2L 140	TAU1W2L 150	TAU1W2L 160	TAU1W2L 170	TAU1W2L 180
General	Actual Unit Capacity	RT	33.6	41.6	49.9	57.3	67.8	67.3	75.3	83.3	91.5	99.7	107.2	114.7	125.1	135.6
		KW	118.3	146.5	175.4	201.6	238.4	236.5	264.7	292.9	321.8	350.7	377.0	403.2	440.0	476.7
	EER	KW/KW	3.21	3.22	3.26	3.28	3.30	3.21	3.22	3.22	3.24	3.26	3.27	3.28	3.29	3.30
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	36.8	45.4	53.7	61.4	72.1	73.6	82.3	90.9	99.2	107.5	115.2	122.8	133.5	144.3
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	9.5+0	9.5+0	15+0	15+0	15+0	9.5+9.5	9.5+9.5	9.5+9.5	9.5+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	31.6	40.2	48.5	56.4	67.4	63.2	71.8	80.4	88.7	97.0	104.9	112.8	123.8	134.8
	Rated Current (2)	A	58.5	71.8	85.1	95.8	106.9	117	130.3	143.6	156.9	170.2	180.9	191.6	202.7	213.8
	Locked Rotor Ampere (2)	A	218	269	290	350	423	436	487	538	559	580	640	700	773	846
	Max Operating Current (2)	A	86	108	128	144	162	172	194	216	236	256	272	288	306	324
Condenser	Type	-	Fin and Tube coil													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	20.34	25.19	30.16	34.68	41.00	40.68	45.53	50.38	55.35	60.32	64.84	69.36	75.68	81.99928
	Water Pressure Drop	kpa	8.9	21	17.7	13.7	17	15.3	28.5	50	42	42	40	48	48	60
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1773	1877	1975	1990	2160	2780	2795	2840	2895	2975	3145	3540	3610	3690
	Operating Weight	kg	1804	1910	2023	2045	2220	2840	2855	2893	2950	3045	3210	3605	3675	3765

(1) Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m²C/W
Converting Cooling Capacity to Water flow is 0.172 m³/h.KW
Ambient Temperature: 35°C
Altitude: Sea Level

Packaged Air Cooled Screw Chiller Technical Data / R407C / Fin and Tube Condenser

Model			TAU1P1L 050	TAU1P1L 060	TAU1P1L 070	TAU1P1L 080	TAU1P1L 090	TAU1P2L 100	TAU1P2L 110	TAU1P2L 120	TAU1P2L 130	TAU1P2L 140	TAU1P2L 150	TAU1P2L 160	TAU1P2L 170	TAU1P2L 180
General	Actual Unit Capacity	RT	31.4	39.2	45.2	50.9	58.5	62.8	70.6	78.5	84.4	90.4	96.1	101.8	109.4	116.9
		KW	110.39	137.97	158.91	179.09	205.64	220.78	248.36	275.94	296.88	317.82	338	358.18	384.73	411.28
	EER	KW/KW	2.93	3.01	3.03	2.99	2.96	2.93	2.97	3.01	3.02	3.03	3.01	2.99	2.97	2.96
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	37.7	45.8	52.4	59.9	69.6	75.4	83.5	91.6	98.3	104.9	112.3	119.7	129.4	139.2
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	9.5+0	9.5+0	15+0	15+0	15+0	9.5+9.5	9.5+9.5	9.5+9.5	9.5+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	33.4	41.5	47.8	54.8	64.6	66.8	74.9	83.0	89.3	95.6	102.6	109.6	119.4	129.2
	Rated Current (2)	A	57.8	70.9	81.5	92.1	102	115.6	128.7	141.8	152.4	163	173.6	184.2	194.1	204
	Locked Rotor Ampere (2)	A	218	269	290	350	423	436	487	538	559	580	640	700	773	846
	Max Operating Current (2)	A	86	108	128	144	162	172	194	216	236	256	272	288	306	324
Condenser	Type	-	Fin and Tube coil													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	18.99	23.73	27.33	30.80	35.37	37.97	42.72	47.46	51.06	54.67	58.14	61.61	66.17	70.74
	Water Pressure Drop	kpa	13	20	26	24	25	35	44	41	65	39	42	48	50	56
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1773	1877	1975	1990	2160	2780	2795	2840	2895	2975	3145	3540	3610	3690
	Operating Weight	kg	1804	1910	2023	2045	2220	2840	2855	2893	2950	3045	3210	3605	3675	3765

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Evaporator Water Fouling Factor: 0.000018 m²C/W
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Ambient Temperature: 35°C
Altitude: Sea Level

Packaged Air Cooled Screw Chiller Technical Data / R134a – Non Tropical / Fin and Tube Condenser

Model			TAU1S1L 050	TAU1S1L 060	TAU1S1L 070	TAU1S1L 080	TAU1S1L 090	TAU1S2L 100	TAU1S2L 110	TAU1S2L 120	TAU1S2L 130	TAU1S2L 140	TAU1S2L 150	TAU1S2L 160	TAU1S2L 170	TAU1S2L 180
General	Actual Unit Capacity	RT	32.8	38.2	43.6	53.4	60.6	65.5	71.0	76.5	81.9	87.2	97.0	106.8	114.0	121.1
		KW	115.2	134.5	153.4	187.8	213.0	230.4	249.7	269.0	287.9	306.8	341.2	375.6	400.8	426.0
	EER	KW/KW	3.42	3.48	3.50	3.49	3.44	3.42	3.45	3.48	3.49	3.50	3.50	3.49	3.47	3.44
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	33.7	38.6	43.8	53.8	61.9	67.4	72.3	77.2	82.4	87.6	97.6	107.5	115.6	123.7
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	15+0	15+0	15+0	15+0	15+0	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	29.4	34.6	38.5	48.5	56.5	58.8	64.0	69.2	73.1	75.0	87.0	97.0	105.0	113.0
	Rated Current (2)	A	54.2	58	70.8	79.8	87.4	108.4	112.2	116	128.8	141.6	150.6	159.6	167.2	174.8
	Locked Rotor Ampere (2)	A	206	267	290	350	162	412	496	534	557	580	640	700	512	324
	Max Operating Current (2)	A	79	98	124	144	423	158	207	195	222	248	268	288	567	846
Condenser	Type	-	Fin and Tube coil													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	19.81	23.13	26.39	32.30	36.64	39.63	42.94	46.26	49.52	52.78	58.69	64.60	68.94	73.272
	Water Pressure Drop	kpa	8	10	13	15	15	21	24	28	40	46	32	39	50	55
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1630	1685	1760	1845	1925	2235	2345	2565	2675	2715	2790	3365	3410	3565
	Operating Weight	kg	1659	1715	1795	1885	1975	2290	2388	2615	2735	2775	2865	3525	3485	3635

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m²C/W
Converting Cooling Capacity to Water flow is 0.172 m³/h.KW
Ambient Temperature: 35°C
Altitude: Sea Level

Packaged Air Cooled Screw Chiller Technical Data / R134a –Tropical / Fin and Tube Condenser

Model			TTU1S1L 050	TTU1S1L 060	TTU1S1L 070	TTU1S1L 080	TTU1S1L 090	TTU1S2L 100	TTU1S2L 110	TTU1S2L 120	TTU1S2L 130	TTU1S2L 140	TTU1S2L 150	TTU1S2L 160	TTU1S2L 170	TTU1S2L 180
General	Actual Unit Capacity	RT	29.3	34.2	38.9	47.5	53.8	58.7	63.5	68.4	73.1	77.9	86.5	95.0	101.3	107.5
		KW	103.2	120.3	137.0	167.1	189.1	206.3	223.4	240.5	257.2	273.9	304.1	334.2	356.2	378.1
	EER	KW/KW	2.61	2.66	2.68	2.67	2.64	2.61	2.64	2.66	2.67	2.68	2.67	2.67	2.65	2.64
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	39.5	45.2	51.2	62.6	71.7	79.1	84.8	90.4	96.4	102.4	113.8	125.1	134.3	143.4
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	15+0	15+0	15+0	15+0	15+0	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	35.1	41.2	46.0	57.5	66.8	70.2	76.3	82.4	87.2	92.0	103.5	115.0	124.3	133.6
	Rated Current (2)	A	65.2	75.1	84.8	96.2	106.4	130.4	140.3	150.2	159.9	169.6	181	192.4	202.6	212.8
	Locked Rotor Ampere (2)	A	206	267	290	350	162	412	496	534	557	580	640	700	512	324
	Max Operating Current (2)	A	79	98	124	144	423	158	207	196	222	248	268	288	567	846
Condenser	Type	-	Fin and Tube coil													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	17.74	20.68	23.56	28.74	32.52	35.48	38.43	41.37	44.24	47.11	52.30	57.48	61.26	65.04008
	Water Pressure Drop	kpa	8	10	13	15	15	21	24	28	40	16	32	39	50	55
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1630	1685	1760	1845	1925	2235	2345	2565	2675	2715	2790	3365	3410	3565
	Operating Weight	kg	1659	1715	1795	1885	1975	2290	2388	2615	2735	2775	2865	3525	3485	3635

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m²C/W
Converting Cooling Capacity to Water flow is 0.172 m³/h.KW
Ambient Temperature: 45°C
Altitude: Sea Level

Packaged Air Cooled Screw Chiller Technical Data / R22 / Micro-Channel Condenser

Model			TAU1W1X 050	TAU1W1X 060	TAU1W1X 070	TAU1W1X 080	TAU1W1X 090	TAU1W2X 100	TAU1W2X 110	TAU1W2X 120	TAU1W2X 130	TAU1W2X 140	TAU1W2X 150	TAU1W2X 160	TAU1W2X 170	TAU1W2X 180
General	Actual Unit Capacity	RT	33.6	41.6	49.9	57.3	67.8	67.3	75.3	83.3	91.5	99.7	107.2	114.7	125.1	135.6
		KW	118.3	146.5	175.4	201.6	238.4	236.5	264.7	292.9	321.8	350.7	377.0	403.2	440.0	476.7
	EER	KW/KW	3.21	3.22	3.26	3.28	3.30	3.21	3.22	3.22	3.24	3.25	3.27	3.28	3.29	3.30
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	36.8	45.4	53.7	61.4	72.1	73.6	82.3	90.9	99.2	107.5	115.2	122.8	133.5	144.3
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	9.5+0	9.5+0	15+0	15+0	15+0	9.5+9.5	9.5+9.5	9.5+9.5	9.5+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	31.6	40.2	48.5	56.4	67.4	63.2	71.8	80.4	88.7	97.0	104.9	112.8	123.8	134.8
	Rated Current (2)	A	58.5	71.8	85.1	95.8	106.9	117	130.3	143.6	156.9	170.2	180.9	191.6	202.7	213.8
	Locked Rotor Ampere (2)	A	218	269	290	350	423	436	487	538	559	580	640	700	773	846
	Max Operating Current (2)	A	86	108	128	144	162	172	194	216	236	256	272	288	306	324
Condenser	Type	-	Microchannel													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	20.34	25.19	30.16	34.68	41.00	40.68	45.53	50.38	55.35	60.32	64.84	69.36	75.68	81.99928
	Water Pressure Drop	kpa	8.9	21	17.7	13.7	17	15.3	28.5	50	42	42	40	48	48	60
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1293	1397	1495	1510	1680	2060	2075	2120	2175	2255	2425	2580	2650	2730
	Operating Weight	kg	1328	1432	1530	1545	1715	2125	2140	2185	2240	2320	2490	2675	2745	2825

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m²C/W
Converting Cooling Capacity to Water flow is 0.172 m³/h.KW
Ambient Temperature: 35°C
Altitude: Sea Level

Packaged Air Cooled Screw Chiller Technical Data / R407C / Micro-Channel Condenser

Model			TAU1P1X 050	TAU1P1X 060	TAU1P1X 070	TAU1P1X 080	TAU1P1X 090	TAU1P2X 100	TAU1P2X 110	TAU1P2X 120	TAU1P2X 130	TAU1P2X 140	TAU1P2X 150	TAU1P2X 160	TAU1P2X 170	TAU1P2X 180
General	Actual Unit Capacity	RT	31.4	39.2	45.2	50.9	58.5	62.8	70.6	78.5	84.4	90.4	96.1	101.8	109.4	116.9
		KW	110.39	137.97	158.91	179.09	205.64	220.78	248.36	275.94	296.88	317.82	338	358.18	384.73	411.28
	EER	KW/KW	2.93	3.01	3.03	2.99	2.96	2.93	2.97	3.01	3.02	3.03	3.01	2.99	2.97	2.96
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	37.7	45.8	52.4	59.9	69.6	75.4	83.5	91.6	98.3	104.9	112.3	119.7	129.4	139.2
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	9.5+0	9.5+0	15+0	15+0	15+0	9.5+9.5	9.5+9.5	9.5+9.5	9.5+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	33.4	41.5	47.8	54.8	64.6	66.8	74.9	83.0	89.3	95.6	102.6	109.6	119.4	129.2
	Rated Current (2)	A	57.8	70.9	81.5	92.1	102	115.6	128.7	141.8	152.4	163	173.6	184.2	194.1	204
	Locked Rotor Ampere (2)	A	218	269	290	350	423	436	487	538	559	580	640	700	773	846
	Max Operating Current (2)	A	86	108	128	144	162	172	194	216	236	256	272	288	306	324
Condenser	Type	-	Microchannel													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	18.99	23.73	27.33	30.80	35.37	37.97	42.72	47.46	51.06	54.67	58.14	61.61	66.17	70.74
	Water Pressure Drop	kpa	13	20	26	24	25	35	44	41	65	39	42	48	50	56
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1293	1397	1495	1510	1680	2060	2075	2120	2175	2255	2425	2580	2650	2730
	Operating Weight	kg	1328	1432	1530	1545	1715	2125	2140	2185	2240	2320	2490	2675	2745	2825

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m²C/W
Converting Cooling Capacity to Water flow is 0.172 m³/h.KW
Ambient Temperature: 35°C
Altitude: Sea Level

Packaged Air Cooled Screw Chiller Technical Data / R134a-Non Tropical / Micro-Channel Condenser

Model			TAU1S1X 050	TAU1S1X 060	TAU1S1X 070	TAU1S1X 080	TAU1S1X 090	TAU1S2X 100	TAU1S2X 110	TAU1S2X 120	TAU1S2X 130	TAU1S2X 140	TAU1S2X 150	TAU1S2X 160	TAU1S2X 170	TAU1S2X 180
General	Actual Unit Capacity	RT	32.8	38.2	43.6	53.4	60.6	65.5	71.0	76.5	81.9	87.2	97.0	106.8	114.0	121.1
		KW	115.2	134.5	153.4	187.8	213.0	230.4	249.7	269.0	287.9	306.8	341.2	375.6	400.8	426.0
	EER	KW/KW	3.42	3.48	3.50	3.49	3.44	3.42	3.45	3.48	3.49	3.50	3.50	3.49	3.47	3.44
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	33.7	38.6	43.8	53.8	61.9	67.4	72.3	77.2	82.4	87.6	97.6	107.5	115.6	123.7
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	15+0	15+0	15+0	15+0	15+0	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	29.4	34.6	38.5	48.5	56.5	58.8	64.0	69.2	73.1	75.0	87.0	97.0	105.0	113.0
	Rated Current (2)	A	54.2	58	70.8	79.8	87.4	108.4	112.2	116	128.8	141.6	150.6	159.6	167.2	174.8
	Locked Rotor Ampere (2)	A	206	267	290	350	162	412	496	534	557	580	640	700	512	324
	Max Operating Current (2)	A	79	98	124	144	423	158	207	196	222	248	268	288	567	846
Condenser	Type	-	Microchannel													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	19.81	23.13	26.39	32.30	36.64	39.63	42.94	46.26	49.52	52.78	58.69	64.60	68.94	73.272
	Water Pressure Drop	kpa	8	10	13	15	15	21	24	28	40	46	32	39	50	55
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1150	1205	1280	1365	1445	1515	1625	1845	1955	1995	2070	2405	2450	2605
	Operating Weight	kg	1185	1240	1315	1400	1480	1580	1690	1910	2020	2060	2135	2500	2545	2700

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m^2C/W
Converting Cooling Capacity to Water flow is 0.172 $m^3/h.KW$
Ambient Temperature: 35°C
Altitude: Sea Level

Packaged Air Cooled Screw Chiller Technical Data / R134a-Tropical / Micro-Channel Condenser

Model			TTU1S1X 050	TTU1S1X 060	TTU1S1X 070	TTU1S1X 080	TTU1S1X 090	TTU1S2X 100	TTU1S2X 110	TTU1S2X 120	TTU1S2X 130	TTU1S2X 140	TTU1S2X 150	TTU1S2X 160	TTU1S2X 170	TTU1S2X 180
General	Actual Unit Capacity	RT	29.3	34.2	38.9	47.5	53.8	58.7	63.5	68.4	73.1	77.9	86.5	95.0	101.3	107.5
		KW	103.2	120.3	137.0	167.1	189.1	206.3	223.4	240.5	257.2	273.9	304.1	334.2	356.2	378.1
	EER	KW/KW	2.61	2.66	2.68	2.67	2.64	2.61	2.64	2.66	2.67	2.68	2.67	2.67	2.65	2.64
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	39.5	45.2	51.2	62.6	71.7	79.1	84.8	90.4	96.4	102.4	113.8	125.1	134.3	143.4
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	15+0	15+0	15+0	15+0	15+0	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	35.1	41.2	46.0	57.5	66.8	70.2	76.3	82.4	87.2	92.0	103.5	115.0	124.3	133.6
	Rated Current (2)	A	65.2	75.1	84.8	96.2	106.4	130.4	140.3	150.2	159.9	169.6	181	192.4	202.6	212.8
	Locked Rotor Ampere (2)	A	206	267	290	350	162	412	496	534	557	580	640	700	512	324
	Max Operating Current (2)	A	79	98	124	144	423	158	207	196	222	248	268	288	567	846
Condenser	Type	-	Microchannel													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Coil Dimension	mm	1960*1212													
Fan	Type	-	Axial - Ø800													
	Quantity	Nu.	4	4	4	4	4	6	6	6	6	6	6	8	8	8
	Max Operating Current	A	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Nominal RPM	rpm	Variable Speed -Inverter													
	Motor Power	KW	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	17.74	20.68	23.56	28.74	32.52	35.48	38.43	41.37	44.24	47.11	52.30	57.48	61.26	65.04008
	Water Pressure Drop	kpa	8	10	13	15	15	21	24	28	40	16	32	39	50	55
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2400					3600						4800		
	Width * Height	mm	2250 * 2650													
Weight	Shipping Weight	kg	1150	1205	1280	1365	1445	1515	1625	1845	1955	1995	2070	2405	2450	2605
	Operating Weight	kg	1185	1240	1315	1400	1480	1580	1690	1910	2020	2060	2135	2500	2545	2700

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m²C/W
Converting Cooling Capacity to Water flow is 0.172 m³/h.KW
Ambient Temperature: 45°C
Altitude: Sea Level

Remote Air Cooled Screw Chiller Technical Data / R22

Model			TRU1W1L 050	TRU1W1L 060	TRU1W1L 070	TRU1W1L 080	TRU1W1L 090	TRU1W2L 100	TRU1W2L 110	TRU1W2L 120	TRU1W2L 130	TRU1W2L 140	TRU1W2L 150	TRU1W2L 160	TRU1W2L 170	TRU1W2L 180
General	Actual Unit Capacity	RT	33.6	41.6	49.9	57.3	67.8	67.3	75.3	83.3	91.5	99.7	107.2	114.7	125.1	135.6
		KW	118.3	146.5	175.4	201.6	238.4	236.5	264.7	292.9	321.8	350.7	377.0	403.2	440.0	476.7
	EER	KW/KW	3.21	3.22	3.26	3.28	3.30	3.21	3.22	3.22	3.24	3.26	3.27	3.28	3.29	3.30
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	36.8	45.4	53.7	61.4	72.1	73.6	82.3	90.9	99.2	107.5	115.2	122.8	133.5	144.3
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	9.5+0	9.5+0	15+0	15+0	15+0	9.5+9.5	9.5+9.5	9.5+9.5	9.5+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	31.6	40.2	48.5	56.4	67.4	63.2	71.8	80.4	88.7	97.0	104.9	112.8	123.8	134.8
	Rated Current (2)	A	58.5	71.8	85.1	95.8	105.9	117	130.3	143.6	156.9	170.2	180.9	191.6	202.7	213.8
	Locked Rotor Ampere (2)	A	218	269	290	350	423	436	487	538	559	580	640	700	773	846
	Max Operating Current (2)	A	86	108	128	144	162	172	194	216	236	256	272	288	305	324
Remote Condenser	Model (3)	-	TMOR1VW 400 / TMOR1XW 400					TMOR2VW 600 / TMOR2XW 600						TMOR2VW 800 / TMOR2XW 800		
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	20.34	25.19	30.16	34.68	41.00	40.68	45.53	50.38	55.35	60.32	64.84	69.36	75.68	81.99928
	Water Pressure Drop	kpa	8.9	21	17.7	13.7	17	15.3	28.5	50	42	42	40	48	48	60
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2350					3810								
	Width * Height	mm	1050*1850													
Weight	Shipping Weight	kg	1086	1110	1368	1398	1506	1776	1926	1926	2310	2310	2436	2436	2544	2544
	Operating Weight	kg	1196	1221	1505	1538	1657	1954	2119	2119	2541	2541	2680	2680	2798	2798

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)
(3) For more data refer to TAHVIEH Condenser Unit technical data tables

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m^2C/W
Converting Cooling Capacity to Water flow is 0.172 $m^3/h.KW$
Ambient Temperature: 35°C
Altitude: Sea Level

Remote Air Cooled Screw Chiller Technical Data / R407C

Model			TRU1P1L 050	TRU1P1L 060	TRU1P1L 070	TRU1P1L 080	TRU1P1L 090	TRU1P2L 100	TRU1P2L 110	TRU1P2L 120	TRU1P2L 130	TRU1P2L 140	TRU1P2L 150	TRU1P2L 160	TRU1P2L 170	TRU1P2L 180
General	Actual Unit Capacity	RT	31.4	39.2	45.2	50.9	58.5	62.8	70.6	78.5	84.4	90.4	96.1	101.8	109.4	116.9
		KW	110.39	137.97	158.91	179.09	205.64	220.78	248.36	275.94	296.88	317.82	338	358.18	384.73	411.28
	EER	KW/KW	2.93	3.01	3.03	2.99	2.96	2.93	2.97	3.01	3.02	3.03	3.01	2.99	2.97	2.96
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	37.7	45.8	52.4	59.9	69.6	75.4	83.5	91.6	98.3	104.9	112.3	119.7	129.4	139.2
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	9.5+0	9.5+0	15+0	15+0	15+0	9.5+9.5	9.5+9.5	9.5+9.5	9.5+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	33.4	41.5	47.8	54.8	64.6	66.8	74.9	83.0	89.3	95.6	102.6	109.6	119.4	129.2
	Rated Current (2)	A	57.8	70.9	81.5	92.1	102	115.6	128.7	141.8	152.4	163	173.6	184.2	194.1	204
	Locked Rotor Ampere (2)	A	218	269	290	350	423	436	487	538	559	580	640	700	773	846
	Max Operating Current (2)	A	86	108	128	144	162	172	194	216	236	256	272	288	306	324
Remote Condenser	Model (3)	-	TMOR1VP 400 / TMOR1XP 400					TMOR2VP 600 / TMOR2XP 600						TMOR2VP 800 / TMOR2XP 800		
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	18.99	23.73	27.33	30.80	35.37	37.97	42.72	47.46	51.06	54.67	58.14	61.61	66.17	70.74
	Water Pressure Drop	kpa	13	20	26	24	25	35	44	41	65	39	42	48	50	56
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2350					3810								
	Width * Height	mm	1050*1850													
Weight	Shipping Weight	kg	1086	1110	1368	1398	1506	1776	1926	1926	2310	2310	2436	2436	2544	2544
	Operating Weight	kg	1195	1221	1505	1538	1657	1954	2119	2119	2541	2541	2680	2680	2798	2798

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)
(3) For more data refer to TAHVIEH Condenser Unit technical data tables

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m^2C/W
Converting Cooling Capacity to Water flow is 0.172 $m^3/h.KW$
Ambient Temperature: 35°C
Altitude: Sea Level

Remote Air Cooled Screw Chiller Technical Data / R134a – Non Tropical

Model			TRU1S1L 050	TRU1S1L 060	TRU1S1L 070	TRU1S1L 080	TRU1S1L 090	TRU1S2L 100	TRU1S2L 110	TRU1S2L 120	TRU1S2L 130	TRU1S2L 140	TRU1S2L 150	TRU1S2L 160	TRU1S2L 170	TRU1S2L 180
General	Actual Unit Capacity	RT	32.8	38.2	43.6	53.4	60.6	65.5	71.0	76.5	81.9	87.2	97.0	106.8	114.0	121.1
		KW	115.2	134.5	153.4	187.8	213.0	230.4	249.7	269.0	287.9	306.8	341.2	375.6	400.8	426.0
	EER	KW/KW	3.42	3.48	3.50	3.49	3.44	3.42	3.45	3.48	3.49	3.50	3.50	3.49	3.47	3.44
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	33.7	38.6	43.8	53.8	61.9	67.4	72.3	77.2	82.4	87.6	97.6	107.5	115.6	123.7
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	15+0	15+0	15+0	15+0	15+0	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	29.4	34.6	38.5	48.5	56.5	58.8	64.0	69.2	73.1	75.0	87.0	97.0	105.0	113.0
	Rated Current (2)	A	54.2	58	70.8	79.8	87.4	108.4	112.2	116	128.8	141.6	150.6	159.6	167.2	174.8
	Locked Rotor Ampere (2)	A	206	267	290	350	162	412	496	534	557	580	640	700	512	324
	Max Operating Current (2)	A	79	98	124	144	423	158	207	196	222	248	268	288	567	846
Remote Condenser	Model (3)	-	TMOR1VS 400 / TMOR1XS 400					TMOR2VS 600 / TMOR2XS 600						TMOR2VS 800 / TMOR2XS 800		
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	19.81	23.13	26.39	32.30	36.64	39.63	42.94	46.26	49.52	52.78	58.69	64.60	68.94	73.272
	Water Pressure Drop	kpa	8	10	13	15	15	21	24	28	40	46	32	39	50	55
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2350					3810								
	Width * Height	mm	1050*1850													
Weight	Shipping Weight	kg	1086	1110	1368	1398	1506	1776	1926	1926	2310	2310	2436	2436	2544	2544
	Operating Weight	kg	1195	1221	1505	1538	1657	1954	2119	2119	2541	2541	2680	2680	2798	2798

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)
(3) For more data refer to TAHVIEH Condenser Unit technical data tables

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m^2C/W
Converting Cooling Capacity to Water flow is 0.172 $m^3/h.KW$
Ambient Temperature: 35°C
Altitude: Sea Level

Remote Air Cooled Screw Chiller Technical Data / R134a –Tropical

Model			TYU151L 050	TYU151L 060	TYU151L 070	TYU151L 080	TYU151L 090	TYU152L 100	TYU152L 110	TYU152L 120	TYU152L 130	TYU152L 140	TYU152L 150	TYU152L 160	TYU152L 170	TYU152L 180
General	Actual Unit Capacity	RT	29.3	34.2	38.9	47.5	53.8	58.7	63.5	68.4	73.1	77.9	86.5	95.0	101.3	107.5
		KW	103.2	120.3	137.0	167.1	189.1	206.3	223.4	240.5	257.2	273.9	304.1	334.2	356.2	378.1
	EER	KW/KW	2.61	2.66	2.68	2.67	2.64	2.61	2.64	2.66	2.67	2.68	2.67	2.67	2.65	2.64
	Number Of Circuits	Nu.	1					2								
	Flow Control	-	Electronic / Thermostatic Expansion Valve													
	Power Supply	-	380V/3PH/50Hz													
	Startup mode	-	Y-Δ													
	Total Power Input (1)	KW	39.5	45.2	51.2	62.6	71.7	79.1	84.8	90.4	96.4	102.4	113.8	125.1	134.3	143.4
Compressor	Type	-	Semi-hermetic Screw compressor													
	Quantity	Nu.	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	Nominal Size (C1+C2)	HP	50+0	60+0	70+0	80+0	90+0	50+50	50+60	60+60	60+70	70+70	70+80	80+80	80+90	90+90
	Oil Charge (C1+C2)	Lit	15+0	15+0	15+0	15+0	15+0	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15	15+15
	Power Input (2)	KW	35.1	41.2	46.0	57.5	66.8	70.2	76.3	82.4	87.2	92.0	103.5	115.0	124.3	133.6
	Rated Current (2)	A	65.2	75.1	84.8	96.2	106.4	130.4	140.3	150.2	159.9	169.6	181	192.4	202.6	212.8
	Locked Rotor Ampere (2)	A	206	267	290	350	162	412	496	534	557	580	640	700	512	324
	Max Operating Current (2)	A	79	98	124	144	423	158	207	196	222	248	268	288	567	846
Remote Condenser	Model (3)	-	TMOR1VS 400 / TMOR1XS 400					TMOR2VS 600 / TMOR2XS 600						TMOR2VS 800 / TMOR2XS 800		
Evaporator	Type	-	DX Shell & Tube													
	Water Flow	m3/h	17.74	20.68	23.56	28.74	32.52	35.48	38.43	41.37	44.24	47.11	52.30	57.48	61.26	65.04008
	Water Pressure Drop	kpa	8	10	13	15	15	21	24	28	40	16	32	39	50	55
Water Connection	Inlet/Outlet	in	3	3	4	4	4	4	4	5	5	5	5	5	6	6
	Drain	in	1													
Dimension	Length	mm	2350	2350	2350	2350	2350	3350	3350	3350	3350	3350	3350	3350	3350	3350
	Width	mm	940	940	940	940	940	1250	1250	1250	1250	1250	1250	1250	1250	1250
	Height	mm	1150	1150	1150	1150	1150	1250	1250	1250	1250	1250	1250	1250	1250	1250
Weight	Shipping Weight	kg	1086	1110	1368	1398	1506	1776	1926	1926	2310	2310	2436	2436	2544	2544
	Operating Weight	kg	1195	1221	1505	1538	1657	1954	2119	2119	2541	2541	2680	2680	2798	2798

(1)Total power input is based on power input of compressors and condenser fans.
(2) All Calculation Data is for total circuits (C1+C2)
(3) For more data refer to TAHVIEH Condenser Unit technical data tables

Specification is calculated according to below condition:
Evaporator Input / Output Water Temperature: 12/7 °C
Evaporator Water Fouling Factor: 0.000018 m²C/W
Converting Cooling Capacity to Water flow is 0.172 m³/h.KW
Ambient Temperature: 45°C
Altitude: Sea Level

Air Cooled Condenser Technical Data / R22 / Fin and Tube Coil

Model			TMOR2VW 130	TMOR2VW 260	TMOR2VW 390	TMOR2VW 520	TMOR2VW 650	TMOR1VW 200	TMOR1VW 400	TMOR2VW 600	TMOR2VW 800
General	Actual Unit Capacity	KW	124.0	248.0	372.0	496.0	620.0	206.5	413.0	619.5	826.0
	Unit power input	KW	2.38	4.76	7.14	9.52	11.90	3.26	6.52	9.78	13.04
	Refrigerant circuits	Nu.	2	2	2	2	2	1	1	2	2
	Total Power supply		380V/3PH/50Hz								
Condenser	Type	-	Fin and Tube coil								
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Face Area	m2	3.48	6.95	10.43	13.91	17.39	4.75	9.50	14.25	19.00
	Coil Dimension	mm	1900*915					1960*1212			
Fan	Type	-	Axial - Ø800					Axial - Ø800			
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Max Operating Current	A	2.05	2.05	2.05	2.05	2.05	3.6	3.6	3.6	3.6
	Total air flow	m3/hr	26000	52000	78000	104000	130000	43000	86000	129000	172000
	Nominal RPM	rpm	Variable Speed -Inverter								
	Motor Power	KW	1.19	1.19	1.19	1.19	1.19	1.63	1.63	1.63	1.63
Refrigerant Connections	Hot gas	in	7/8	1 1/8	1 3/8	1 3/8	1 5/8	1 3/8	1 5/8	2 1/8	2 1/8
	Liquid	in	5/8	7/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 5/8	1 5/8
Sound level	Sound power	dB(A)	76	79	81	82	84	81	84	86	87
	Sound pressure @ 1m	dB(A)	68	71	73	74	76	73	76	78	79
	Sound pressure @ 4m	dB(A)	56	59	61	62	64	61	64	66	67
Dimension	Length	mm	1100	2200	3300	4400	5500	1200	2400	3600	4800
	Width * Height	mm	2070*1050					2250*1650			
Weight	Net Weight	kg	360	710	1050	1410	1720	560	1110	1650	2220

Specification is calculated according to below condition:
Condensing Temperature: 51.7 °C
Ambient Temperature: 35°C
Altitude: Sea Level
Sound power is rated according to ARI standard at full load capacity.
Sound pressure is rated at 1 m & 4 m distance from the unit.

Air Cooled Condenser Technical Data / R407C / Fin and Tube Coil

Model			TMOR2VP 130	TMOR2VP 260	TMOR2VP 390	TMOR2VP 520	TMOR2VP 650	TMOR1VP 200	TMOR1VP 400	TMOR2VP 600	TMOR2VP 800
General	Actual Unit Capacity	KW	116.0	232.0	348.0	464.0	580.0	193.2	386.4	579.6	772.8
	Unit power input	KW	2.38	4.76	7.14	9.52	11.90	3.26	6.52	9.78	13.04
	Refrigerant circuits	Nu.	2	2	2	2	2	1	1	2	2
	Total Power supply	-	380V/3PH/50Hz								
Condenser	Type	-	Fin and Tube coil								
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Face Area	m2	3.48	6.95	10.43	13.91	17.39	4.75	9.50	14.25	19.00
	Coil Dimension	mm	1900*915					1960*1212			
Fan	Type	-	Axial - Ø800					Axial - Ø800			
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Max Operating Current	A	2.05	2.05	2.05	2.05	2.05	3.6	3.6	3.6	3.6
	Total air flow	m3/hr	26000	52000	78000	104000	130000	43000	86000	129000	172000
	Nominal RPM	rpm	Variable Speed -Inverter								
	Motor Power	KW	1.19	1.19	1.19	1.19	1.19	1.63	1.63	1.63	1.63
Refrigerant Connections	Hot gas	in	7/8	1 1/8	1 3/8	1 3/8	1 5/8	1 3/8	1 5/8	2 1/8	2 1/8
	Liquid	in	5/8	7/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 5/8	1 5/8
Sound level	Sound power	dB(A)	76	79	81	82	84	81	84	86	87
	Sound pressure @ 1m	dB(A)	68	71	73	74	76	73	76	78	79
	Sound pressure @ 4m	dB(A)	56	59	61	62	64	61	64	66	67
Dimension	Length	mm	1100	2200	3300	4400	5500	1200	2400	3600	4800
	Width * Height	mm	2070*1050					2250*1650			
Weight	Net Weight	kg	360	710	1050	1410	1720	560	1110	1650	2220

Specification is calculated according to below condition:
Condensing Temperature: 51.7 °C
Ambient Temperature: 35°C
Altitude: Sea Level
Sound power is rated according to ARI standard at full load capacity.
Sound pressure is rated at 1 m & 4 m distance from the unit.

Air Cooled Condenser Technical Data / R134a / Fin and Tube Coil

Model			TMOR2VS 130	TMOR2VS 260	TMOR2VS 390	TMOR2VS 520	TMOR2VS 650	TMOR1VS 200	TMOR1VS 400	TMOR2VS 600	TMOR2VS 800
General	Actual Unit Capacity	KW	122.0	244.0	366.0	488.0	610.0	210.6	421.2	631.8	842.4
	Unit power input	KW	2.38	4.76	7.14	9.52	11.90	3.26	6.52	9.78	13.04
	Refrigerant circuits	Nu.	2	2	2	2	2	1	1	2	2
	Total Power supply	-	380V/3PH/50Hz								
Condenser	Type	-	Fin and Tube coil								
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Face Area	m2	3.48	6.95	10.43	13.91	17.39	4.75	9.50	14.25	19.00
	Coil Dimension	mm	1900*915					1960*1212			
Fan	Type	-	Axial - Ø800					Axial - Ø800			
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Max Operating Current	A	2.05	2.05	2.05	2.05	2.05	3.6	3.6	3.6	3.6
	Total air flow	m3/hr	26000	52000	78000	104000	130000	43000	86000	129000	172000
	Nominal RPM	rpm	Variable Speed -Inverter								
	Motor Power	KW	1.19	1.19	1.19	1.19	1.19	1.63	1.63	1.63	1.63
Refrigerant Connections	Hot gas	in	7/8	1 1/8	1 3/8	1 3/8	1 5/8	1 3/8	1 5/8	2 1/8	2 1/8
	Liquid	in	5/8	7/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 5/8	1 5/8
Sound level	Sound power	dB(A)	76	79	81	82	84	81	84	86	87
	Sound pressure @ 1m	dB(A)	68	71	73	74	76	73	76	78	79
	Sound pressure @ 4m	dB(A)	56	59	61	62	64	61	64	66	67
Dimension	Length	mm	1100	2200	3300	4400	5500	1200	2400	3600	4800
	Width * Height	mm	2070*1050					2250*1650			
Weight	Net Weight	kg	360	710	1050	1410	1720	560	1110	1650	2220

Specification is calculated according to below condition:
Condensing Temperature: 51.7 °C
Ambient Temperature: 35°C
Altitude: Sea Level
Sound power is rated according to ARI standard at full load capacity.
Sound pressure is rated at 1 m & 4 m distance from the unit.

Air Cooled Condenser Technical Data / R22 / Micro-Channel Coil

Model			TMOR2XW 130	TMOR2XW 260	TMOR2XW 390	TMOR2XW 520	TMOR2XW 650	TMOR1XW 200	TMOR1XW 400	TMOR2XW 600	TMOR2XW 800
General	Actual Unit Capacity	KW	124.0	248.0	372.0	496.0	620.0	206.5	413.0	619.5	826.0
	Unit power input	KW	2.38	4.76	7.14	9.52	11.90	2.96	5.92	8.88	11.84
	Refrigerant circuits	Nu.	2	2	2	2	2	1	1	2	2
	Total Power supply		380V/3PH/50Hz								
Condenser	Type	-	Microchannel								
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Face Area	m2	3.48	6.95	10.43	13.91	17.39	4.75	9.50	14.25	19.00
	Coil Dimension	mm	1900*915					1960*1212			
Fan	Type	-	Axial - Ø800					Axial - Ø800			
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Max Operating Current	A	1.8	1.8	1.8	1.8	1.8	3.3	3.3	3.3	3.3
	Total air flow	m3/hr	26000	52000	78000	104000	130000	43000	86000	129000	172000
	Nominal RPM	rpm	Variable Speed -Inverter								
	Motor Power	KW	1.05	1.05	1.05	1.05	1.05	1.48	1.48	1.48	1.48
Refrigerant Connections	Hot gas	in	7/8	1 1/8	1 3/8	1 3/8	1 5/8	1 3/8	1 5/8	2 1/8	2 1/8
	Liquid	in	5/8	7/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 5/8	1 5/8
Sound level	Sound power	dB(A)	75	78	80	81	83	80	83	85	86
	Sound pressure @ 1m	dB(A)	67	70	72	73	75	72	75	77	78
	Sound pressure @ 4m	dB(A)	55	58	60	61	63	60	63	65	66
Dimension	Length	mm	1100	2200	3300	4400	5500	1200	2400	3600	4800
	Width * Height	mm	2070*1050					2250*1650			
Weight	Net Weight	kg	240	470	690	930	1120	320	630	930	1260

Specification is calculated according to below condition:
Condensing Temperature: 51.7 °C
Ambient Temperature: 35°C
Altitude: Sea Level
Sound power is rated according to ARI standard at full load capacity.
Sound pressure is rated at 1 m & 4 m distance from the unit.

TAHVIEH
AIR CONDITIONING SYSTEMS

Air Cooled Condenser Technical Data / R407C / Micro-Channel Coil

Model			TMOR2XP 130	TMOR2XP 260	TMOR2XP 390	TMOR2XP 520	TMOR2XP 650	TMOR1XP 200	TMOR1XP 400	TMOR2XP 600	TMOR2XP 800
General	Actual Unit Capacity	KW	116.0	232.0	348.0	464.0	580.0	193.2	386.4	579.6	772.8
	Unit power input	KW	2.38	4.76	7.14	9.52	11.90	3.26	6.52	9.78	13.04
	Refrigerant circuits	Nu.	2	2	2	2	2	1	1	2	2
	Total Power supply	-	380V/3PH/50Hz								
Condenser	Type	-	Microchannel								
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Face Area	m2	3.48	6.95	10.43	13.91	17.39	4.75	9.50	14.25	19.00
	Coil Dimension	mm	1900*915					1960*1212			
Fan	Type	-	Axial - Ø800					Axial - Ø800			
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Max Operating Current	A	1.8	1.8	1.8	1.8	1.8	3.3	3.3	3.3	3.3
	Total air flow	m3/hr	26000	52000	78000	104000	130000	43000	86000	129000	172000
	Nominal RPM	rpm	Variable Speed -Inverter								
	Motor Power	KW	1.05	1.05	1.05	1.05	1.05	1.48	1.48	1.48	1.48
Refrigerant Connections	Hot gas	in	7/8	1 1/8	1 3/8	1 3/8	1 5/8	1 3/8	1 5/8	2 1/8	2 1/8
	Liquid	in	5/8	7/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 5/8	1 5/8
Sound level	Sound power	dB(A)	75	78	80	81	83	80	83	85	86
	Sound pressure @ 1m	dB(A)	67	70	72	73	75	72	75	77	78
	Sound pressure @ 4m	dB(A)	55	58	60	61	63	60	63	65	66
Dimension	Length	mm	1100	2200	3300	4400	5500	1200	2400	3600	4800
	Width * Height	mm	2070*1050					2250*1650			
Weight	Net Weight	kg	240	470	690	930	1120	320	630	930	1260

Specification is calculated according to below condition:
Condensing Temperature: 51.7 °C
Ambient Temperature: 35°C
Altitude: Sea Level
Sound power is rated according to ARI standard at full load capacity.
Sound pressure is rated at 1 m & 4 m distance from the unit.

Air Cooled Condenser Technical Data / R134a / Micro-Channel Coil

Model			TMOR2XS 130	TMOR2XS 260	TMOR2XS 390	TMOR2XS 520	TMOR2XS 650	TMOR1XS 200	TMOR1XS 400	TMOR2XS 600	TMOR2XS 800
General	Actual Unit Capacity	KW	122.0	244.0	366.0	488.0	610.0	210.6	421.2	631.8	842.4
	Unit power input	KW	2.38	4.76	7.14	9.52	11.90	3.26	6.52	9.78	13.04
	Refrigerant circuits	Nu.	2	2	2	2	2	1	1	2	2
	Total Power supply	-	380V/3PH/50Hz								
Condenser	Type	-	Microchannel								
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Face Area	m2	3.48	6.95	10.43	13.91	17.39	4.75	9.50	14.25	19.00
	Coil Dimension	mm	1900*915					1960*1212			
Fan	Type	-	Axial - Ø800					Axial - Ø800			
	Quantity	Nu.	2	4	6	8	10	2	4	6	8
	Max Operating Current	A	1.8	1.8	1.8	1.8	1.8	3.3	3.3	3.3	3.3
	Total air flow	m3/hr	26000	52000	78000	104000	130000	43000	86000	129000	172000
	Nominal RPM	rpm	Variable Speed -Inverter								
	Motor Power	KW	1.05	1.05	1.05	1.05	1.05	1.48	1.48	1.48	1.48
Refrigerant Connections	Hot gas	in	7/8	1 1/8	1 3/8	1 3/8	1 5/8	1 3/8	1 5/8	2 1/8	2 1/8
	Liquid	in	5/8	7/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 5/8	1 5/8
Sound level	Sound power	dB(A)	75	78	80	81	83	80	83	85	86
	Sound pressure @ 1m	dB(A)	67	70	72	73	75	72	75	77	78
	Sound pressure @ 4m	dB(A)	55	58	60	61	63	60	63	65	66
Dimension	Length	mm	1100	2200	3300	4400	5500	1200	2400	3600	4800
	Width * Height	mm	2070*1050					2250*1650			
Weight	Net Weight	kg	240	470	690	930	1120	320	630	930	1260

Specification is calculated according to below condition:
Condensing Temperature: 51.7 °C
Ambient Temperature: 35°C
Altitude: Sea Level
Sound power is rated according to ARI standard at full load capacity.
Sound pressure is rated at 1 m & 4 m distance from the unit.

Rating Capacity in different conditions

Packaged Air Cooled Screw Chiller Performance data / R-22 / Fin and Tube Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)
TAU1W1L 050	5	119.0	29.3	20.5	9.2	115.2	32.7	19.8	8.9	111.2	35.9	19.1	8.5	106.8	39.1	18.4	7.9	102.1	42.2	17.6	7.5
	6	122.8	29.7	21.1	9.4	118.9	33.1	20.5	9.1	114.7	36.4	19.7	8.7	110.2	39.6	19.0	8.0	105.4	42.8	18.1	7.7
	7	126.6	30.0	21.8	9.6	122.6	33.5	21.1	9.3	118.3	36.8	20.3	8.9	113.6	40.0	19.5	8.2	108.6	43.3	18.7	7.8
	8	130.4	30.4	22.4	9.8	126.3	33.9	21.7	9.4	121.8	37.3	21.0	9.1	117.0	40.6	20.1	8.4	111.9	43.8	19.2	8.0
	9	134.2	30.8	23.1	10.0	129.9	34.3	22.3	9.6	125.4	37.7	21.6	9.3	120.4	41.0	20.7	8.5	115.1	44.4	19.8	8.1
	10	139.3	31.2	24.0	10.2	134.8	34.8	23.2	9.8	130.1	38.3	22.4	9.4	125.0	41.6	21.5	8.7	119.5	45.0	20.6	8.3
TAU1W1L 060	5	147.6	36.5	25.4	21.7	142.8	40.5	24.6	20.9	137.7	44.3	23.7	20.1	132.1	48.1	22.7	18.5	126.2	51.9	21.7	17.7
	6	152.4	36.9	26.2	22.1	147.4	41.0	25.3	21.3	142.1	44.9	24.4	20.5	136.4	48.7	23.5	18.8	130.2	52.5	22.4	18.0
	7	157.1	37.4	27.0	22.6	151.9	41.5	26.1	21.7	146.5	45.4	25.2	20.9	140.6	49.3	24.2	19.2	134.3	53.2	23.1	18.4
	8	161.8	37.9	27.8	23.0	156.5	42.1	26.9	22.2	150.8	46.0	25.9	21.3	144.8	49.9	24.9	19.6	138.3	53.9	23.8	18.8
	9	166.5	38.3	28.6	23.5	161.1	42.5	27.7	22.6	155.2	46.6	26.7	21.7	149.0	50.5	25.6	20.0	142.3	54.5	24.5	19.1
	10	172.8	38.8	29.7	23.9	167.1	43.1	28.7	23.0	161.1	47.2	27.7	22.2	154.6	51.2	26.6	20.4	147.7	55.2	25.4	19.5
TAU1W1L 070	5	183.3	45.1	31.5	18.4	174.4	48.6	30.0	17.7	164.8	52.5	28.4	17.0	154.7	56.7	26.6	15.6	144.0	61.5	24.8	15.0
	6	189.2	45.6	32.5	18.7	179.9	49.2	31.0	18.0	170.1	53.1	29.3	17.3	159.7	57.4	27.5	16.0	148.6	62.2	25.6	15.3
	7	195.0	46.2	33.5	19.1	185.5	49.8	31.9	18.4	175.4	53.7	30.2	17.7	164.6	58.1	28.3	16.3	153.2	63.0	26.3	15.6
	8	200.9	46.8	34.6	19.5	191.1	50.4	32.9	18.8	180.6	54.4	31.1	18.1	169.5	58.9	29.2	16.6	157.8	63.8	27.1	15.9
	9	206.7	47.3	35.6	19.9	196.6	51.0	33.8	19.1	185.9	55.1	32.0	18.4	174.5	59.6	30.0	16.9	162.4	64.5	27.9	16.2
	10	214.5	48.0	36.9	20.3	204.1	51.7	35.1	19.5	192.9	55.8	33.2	18.8	181.1	60.4	31.1	17.3	168.5	65.4	29.0	16.5
TAU1W1L 080	5	212.4	51.8	36.5	14.2	201.2	55.7	34.6	13.7	189.5	59.9	32.6	13.2	177.2	64.6	30.5	12.1	164.3	69.7	28.3	11.6
	6	219.2	52.4	37.7	14.5	207.7	56.4	35.7	14.0	195.6	60.7	33.6	13.4	182.9	65.4	31.5	12.4	169.5	70.6	29.2	11.8
	7	225.9	53.1	38.9	14.8	214.1	57.1	36.8	14.2	201.6	61.4	34.7	13.7	188.5	66.2	32.4	12.6	174.8	71.4	30.1	12.1
	8	232.7	53.8	40.0	15.1	220.5	57.8	37.9	14.5	207.7	62.2	35.7	14.0	194.2	67.1	33.4	12.9	180.0	72.3	31.0	12.3
	9	239.5	54.4	41.2	15.4	226.9	58.5	39.0	14.8	213.7	63.0	36.8	14.2	199.8	67.9	34.4	13.1	185.3	73.2	31.9	12.5
	10	248.5	55.2	42.7	15.7	235.5	59.3	40.5	15.1	221.8	63.8	38.1	14.5	207.4	68.8	35.7	13.4	192.3	74.2	33.1	12.8
TAU1W1L 090	5	249.2	60.6	42.9	17.7	236.9	65.2	40.8	17.1	224.1	70.4	38.5	16.4	210.5	76.0	36.2	15.1	196.2	82.1	33.8	14.4
	6	257.1	61.3	44.2	18.1	244.5	66.0	42.1	17.4	231.2	71.3	39.8	16.8	217.2	77.0	37.4	15.4	202.5	83.1	34.8	14.7
	7	265.1	62.0	45.6	18.5	252.1	66.8	43.4	17.8	238.4	72.1	41.0	17.1	224.0	77.9	38.5	15.7	208.8	84.1	35.9	15.0
	8	273.0	62.9	47.0	18.8	259.6	67.7	44.7	18.1	245.5	73.1	42.2	17.4	230.7	78.9	39.7	16.0	215.0	85.2	37.0	15.3
	9	281.0	63.6	48.3	19.2	267.2	68.5	46.0	18.5	252.7	73.9	43.5	17.8	237.4	79.9	40.8	16.4	221.3	86.2	38.1	15.6
	10	291.6	64.5	50.2	19.6	277.3	69.4	47.7	18.9	262.2	74.9	45.1	18.1	246.3	80.9	42.4	16.7	229.6	87.4	39.5	16.0
TAU1W2L 100	5	238.0	58.6	40.9	15.9	230.5	65.4	39.6	15.3	222.3	71.9	38.2	14.7	213.6	78.1	36.7	13.5	204.2	84.5	35.1	12.9
	6	245.6	59.3	42.3	16.2	237.8	66.2	40.9	15.6	229.4	72.8	39.5	15.0	220.4	79.1	37.9	13.8	210.7	85.5	36.2	13.2
	7	253.2	60.0	43.6	16.5	245.2	67.0	42.2	15.9	236.5	73.6	40.7	15.3	227.2	80.1	39.1	14.1	217.2	86.6	37.4	13.5
	8	260.8	60.8	44.9	16.9	252.5	67.9	43.4	16.2	243.6	74.6	41.9	15.6	234.1	81.1	40.3	14.4	223.8	87.7	38.5	13.7
	9	268.4	61.5	46.2	17.2	259.9	68.7	44.7	16.5	250.7	75.5	43.1	15.9	240.9	82.1	41.4	14.6	230.3	88.7	39.6	14.0
	10	278.6	62.4	47.9	17.5	269.7	69.6	46.4	16.9	260.2	76.5	44.7	16.2	250.0	83.2	43.0	14.9	239.0	89.9	41.1	14.3
TAU1W2L 110	5	266.7	65.8	45.9	29.5	258.0	73.2	44.4	28.5	248.8	80.3	42.8	27.4	238.9	87.2	41.1	25.2	228.3	94.1	39.3	24.1
	6	275.2	66.6	47.3	30.2	266.3	74.1	45.8	29.0	256.8	81.3	44.2	27.9	246.6	88.3	42.4	25.7	235.6	95.3	40.5	24.6
	7	283.7	67.4	48.8	30.8	274.5	75.0	47.2	29.6	264.7	82.3	45.5	28.5	254.2	89.3	43.7	26.2	242.9	96.4	41.8	25.1
	8	292.2	68.3	50.3	31.4	282.8	76.0	48.6	30.2	272.7	83.3	46.9	29.1	261.8	90.5	45.0	26.7	250.2	97.7	43.0	25.6
	9	300.7	69.1	51.7	32.0	291.0	76.9	50.1	30.8	280.6	84.3	48.3	29.6	269.5	91.6	46.3	27.3	257.5	98.9	44.3	26.1
	10	312.1	70.0	53.7	32.6	302.0	77.9	51.9	31.4	291.2	85.5	50.1	30.2	279.6	92.8	48.1	27.8	267.2	100.2	46.0	26.6
TAU1W2L 120	5	295.3	73.0	50.8	51.8	285.6	81.0	49.1	49.9	275.3	88.7	47.4	48.0	264.3	96.2	45.5	44.2	252.4	103.8	43.4	42.2
	6	304.7	73.9	52.4	52.9	294.8	82.0	50.7	51.0	284.1	89.8	48.9	49.0	272.7	97.4	46.9	45.1	260.5	105.1	44.8	43.1
	7	314.1	74.8	54.0	54.0	303.9	83.0	52.3	52.0	292.9	90.9	50.4	50.0	281.2	98.6	48.4	46.0	268.5	106.3	46.2	44.0
	8	323.6	75.7	55.7	55.1	313.0	84.1	53.8	53.0	301.7	92.1	51.9	51.0	289.6	99.9	49.8	46.9	276.6	107.7	47.6	44.9
	9	333.0	76.6	57.3	56.2	322.1	85.1	55.4	54.1	310.5	93.1	53.4	52.0	298.0	101.0	51.3	47.8	284.7	109.0	49.0	45.8
	10	345.6	77.7	59.4	57.2	334.3	86.3	57.5	55.1	322.2	94.4	55.4	53.0	309.3	102.4	53.2	48.8	295.4	110.5	50.8	46.6
TAU1W2L 130	5	331.0	81.6	56.9	43.5	317.2	89.1	54.6	41.9	302.5	96.8	52.0	40.3	286.9	104.9	49.3	37.1	270.2	113.3	46.5	35.5
	6	341.5	82.6	58.7	44.5	327.3	90.2	56.3	42.8	312.2	98.0	53.7	41.2	296.0	106.1	50.9	37.9	278.8	114.7	48.0	36.2
	7	352.1	83.6	60.6	45.4	337.5	91.3	58.0	43.7	321.8	99.2	55.4	42.0	305.2	107.4	52.5	38.6	287.5	116.1	49.4	37.0
	8	362.7	84.7	62.4	46.3	347.6	92.5	59.8	44.6	331.5	100.5	57.0	42.8	314.3	108.8	54.1	39.4	296.1	117.6	50.9	37.7
	9	373.2	85.7	64.2	47.2	357.7	93.6	61.5	45.4	341.1	101.7	58.7	43.7	323.5	110.1	55.6	40.2	304.7	119.0	52.4	38.4
	10	387.3	86.8	66.6	48.1	371.2	94.8	63.8	46.3	354.0	103.1	60.9	44.5	335.7	111.6	57.7	41.0	316.2	120.7	54.4	39.2
TAU1W2L 140	5	366.7	90.2	63.1	43.5	348.8	97.2	60.0	41.9	329.7	104.9	56.7	40.3	309.4	113.5	53.2	37.1	288.0	122.9	49.5	35.5
	6	378.4	91.3	65.1	44.5	359.9	98.3	61.9	42.8	340.2	106.2	58.5	41.2	319.3	114.9	54.9	37.9	297.2	124.4	51.1	36.2
	7	390.1	92.4	67.1	45.4	371.0	99.5	63.8	43.7	350.7	107.5	60.3	42.0	329.2	116.3	56.6	38.6	306.4	125.9	52.7	37.0
	8	401.8	93.6	69.1	46.3	382.2	100.8	65.7	44.6	361.2	108.9	62.1	42.8	339.1	117.8	58.3	39.4	315.6	127.6	54.3	37.7
	9	413.5	94.7	71.1	47.2	393.3	102.0	67.6	45.4	371.8	110.2	63.9	43.7	349.0	119.2	60.0	40.2	324.7	129.1	55.9	38.4
	10	429.1	96.0	73.8	48.1	408.1	103.4	70.2	46.3	385.8	111.7	66.4	44.5	362.1	120.8	62.3	41.0	337.0	130.8	58.0	39.2
TAU1W2L 150	5	395.7	96.9	68.1	41.5	375.6	104.3	64.6	39.9	354.4	112.4	61.0	38.4	331.9	121.4	57.1	35.3	308.3	131.1	53.0	33.8
	6	408.4	98.1	70.2	42.3	387.6	105.6	66.7	40.8	365.7	113.8	62.9	39.2	342.5	122.9	58.9	36.1	318.1	132.8	54.7	34.5
	7	421.0	99.3	72.4	43.2	399.6	106.8	68.7	41.6	377.0	115.2	64.8	40.0	353.1	124.4	60.7	36.8	328.0	134.4	56.4	35.2
	8	433.6	100.6	74.6	44.1	411.6	108.2	70.8	42.4	388.3	116.7	66.8	40.8	363.7	126.0	62.6	37.5	337.8	136.1	58.1	35.9
	9	446.2	101.8	76.8	44.9	423.6	109.5	72.9	43.3	399.6	118.0	68.7	41.6	374.3	127.5	64.4	38.3	347.6	137.7	59.8	36.6
	10	463.1	103.1	79.6	45.8	439.5	111.0	75.6	44.1	414.7	119.7	71.3	42.4	388.4	129.2	66.8	39.0	360.8	139.6	62.1	37.3
TAU1W2L 160	5	424.8	103.6	73.1	49.8	402.5	111.4	69.2	47.9	379.0	119.9	65.2	46.1	354.4	129.3	61.0	42.4	328.6	139.4	56.5	40.6
	6	438.3	104.9	75.4	50.8	415.3	112.8	71.4	48.9	391.1	121.4	67.3	47.0	365.7	130.9	62.9	43.3	339.1	141.1	58.3	41.4
	7	451.9	106.2	77.7	51.8	428.2	114.1	73.6	49.9	403.2	122.8	69.4	48.0	377.0	132.5	64.9	44.2	349.6	142.8	60.1	42.2
	8	465.4	107.6	80.1	52.9	441.0	115.6	75.9	50.9	415.3	124.4	71.4	49.0	388.4	134.2	66.8	45.0	360.0	144.7	61.9	43.1
	9	479.0	108.8	82.4	53.9	453.8	117.0	78.1	51.9	427.4	125.9	73.5	49.9	399.7	135.8	68.7	45.9	370.5	146.4	63.7	43.9
	10	497.1	110.3	85.5	55.0	471.0	118.6	81.0	52.9	443.6	127.6	76.3	50.9	414.7	137.6	71.3	46.8	384.5	148.4	66.1	44.8
TAU1W2L 170	5	461.5	112.4	79.4	49.8	438.2	120.9	75.4	47.9	413.6	130.3	71.1	46.1	387.7	140.7	66.7	42.4	360.5	151.8	62.0	40.6
	6	476.3	113.7	81.9	50.8	452.2	122.4	77.8	48.9	426.8	131.9	73.4	47.0	400.1	142.4	68.8	43.3	372.0	153.6	64.0	41.4
	7	491.0	115.1	84.5	51.8	466.1	123.9	80.2	49.9	440.0	133.5	75.7	48.0	412.5	144.1	70.9	44.2	383.5	155.5	66.0	42.2
	8	505.7	116.6	87.0	52.9	480.1	125.5	82.6	50.9	453.2	135.3	77.9	49.0	424.8	146.0	73.1	45.0	395.0	157.5	67.9	43.1
	9	520.5	118.0	89.5	53.9	494.1	127.0	85.0	51.9	466.4	136.9	80.2	49.9	437.2	147.7	75.2	45.9	406.5	159.4	69.9	43.9
	10	540.1	119.6	92.9	55.0	512.8	128.7	88.2	52.9	484.0	138.8	83.2	50.9	453.7	149.8	78.0	46.8	421.9	161.6	72.6	44.8
TAU1W2L 180	5	498.3	121.1	85.7	62.2	473.9	130.5	81.5	59.9	448.1	140.8	77.1	57.6	421.0	152.1	72.4	53.0	392.5	164.1	67.5	50.7
	6	514.2	122.6	88.4	63.5	489.0	132.1	84.1	61.2	462.4	142.5	79.5	58.8	434.5	153.9	74.7	54.1	405.0	166.2	69.7	51.7
	7	530.1	124.1	91.2	64.8	504.1	133.7	86.7	62.4	476.7	144.3	82.0	60.0	447.9	155.8	77.0	55.2	417.5	168.2	71.8	52.8
	8	546.0	125.7	93.9	66.1	519.2	135.4	89.3	63.6	491.0	146.1	84.5	61.2	461.3	157.8	79.3	56.3	430.0	170.4	74.0	53.9
	9	561.9	127.2	96.7	67.4	534.4	137.0	91.9	64.9	505.3	147.9	86.9	62.4	474.8	159.7	81.7	57.4	442.6	172.4	76.1	54.9
	10	583.2	128.9	100.3	68.7	554.5	138.9	95.4	66.1	524.4	149.9	90.2	63.6	492.7	161.9	84.7	58.5	459.3	174.7	79.0	56.0

Refrigerant: R22
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
PI: Total power input (kW)
Chilled Water Range is 5°C

Packaged Air Cooled Screw Chiller Performance data / R407C / Fin and Tube Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TAU1P1L 050	5	113.6	30.6	19.5	13.5	108.9	33.7	18.7	13.0	103.8	36.8	17.8	12.5	98.2	39.8	16.9	11.5	92.1	43.0	15.8	11.0
	6	117.2	31.0	20.2	13.8	112.4	34.2	19.3	13.2	107.1	37.2	18.4	12.7	101.3	40.3	17.4	11.7	95.0	43.5	16.3	11.2
	7	120.9	31.4	20.8	14.0	115.8	34.6	19.9	13.5	110.4	37.7	19.0	13.0	104.5	40.8	18.0	12.0	98.0	44.1	16.9	11.4
	8	124.5	31.8	21.4	14.3	119.3	35.0	20.5	13.8	113.7	38.2	19.6	13.3	107.6	41.3	18.5	12.2	100.9	44.6	17.4	11.7
	9	128.1	32.2	22.0	14.6	122.8	35.4	21.1	14.1	117.0	38.6	20.1	13.5	110.7	41.8	19.0	12.4	103.9	45.2	17.9	11.9
	10	132.9	32.6	22.9	14.9	127.4	35.9	21.9	14.3	121.4	39.2	20.9	13.8	114.9	42.4	19.8	12.7	107.8	45.8	18.5	12.1
TAU1P1L 060	5	141.9	37.4	24.4	20.7	136.0	41.1	23.4	20.0	129.7	44.7	22.3	19.2	122.8	48.4	21.1	17.7	115.3	52.2	19.8	16.9
	6	146.5	37.9	25.2	21.2	140.4	41.6	24.1	20.4	133.8	45.3	23.0	19.6	126.7	48.9	21.8	18.0	119.0	52.8	20.5	17.2
	7	151.0	38.3	26.0	21.6	144.7	42.1	24.9	20.8	138.0	45.8	23.7	20.0	130.6	49.5	22.5	18.4	122.6	53.4	21.1	17.6
	8	155.5	38.8	26.8	22.0	149.1	42.6	25.6	21.2	142.1	46.4	24.4	20.4	134.5	50.2	23.1	18.8	126.3	54.1	21.7	18.0
	9	160.1	39.3	27.5	22.5	153.4	43.2	26.4	21.6	146.2	47.0	25.2	20.8	138.5	50.8	23.8	19.1	130.0	54.8	22.4	18.3
	10	166.1	39.8	28.6	22.9	159.2	43.7	27.4	22.0	151.8	47.6	25.1	21.2	143.7	51.5	24.7	19.5	134.9	55.5	23.2	18.7
TAU1P1L 070	5	163.6	43.0	28.1	27.0	156.8	47.1	27.0	26.0	149.4	51.2	25.7	25.0	141.4	55.2	24.3	23.0	132.8	59.5	22.8	22.0
	6	168.8	43.5	29.0	27.5	161.8	47.7	27.8	26.5	154.1	51.8	26.5	25.5	145.9	55.9	25.1	23.4	137.1	60.2	23.6	22.4
	7	174.1	44.1	29.9	28.1	166.8	48.3	28.7	27.0	158.9	52.4	27.3	26.0	150.5	56.6	25.9	23.9	141.3	60.9	24.3	22.9
	8	179.3	44.6	30.8	28.6	171.8	48.9	29.5	27.6	163.7	53.1	28.2	26.5	155.0	57.3	26.7	24.4	145.5	61.7	25.0	23.3
	9	184.5	45.2	31.7	29.2	176.8	49.5	30.4	28.1	168.4	53.7	29.0	27.0	159.5	58.0	27.4	24.9	149.8	62.5	25.8	23.8
	10	191.5	45.8	32.9	29.8	183.4	50.2	31.6	28.7	174.8	54.5	30.1	27.6	165.5	58.8	28.5	25.4	155.4	63.3	26.7	24.3
TAU1P1L 080	5	184.7	49.3	31.8	24.9	176.8	53.9	30.4	24.0	168.3	58.4	29.0	23.0	159.3	62.9	27.4	21.2	149.5	67.6	25.7	20.3
	6	190.5	50.0	32.8	25.4	182.4	54.6	31.4	24.5	173.7	59.1	29.9	23.5	164.3	63.7	28.3	21.6	154.2	68.5	26.5	20.7
	7	196.4	50.6	33.8	25.9	188.1	55.3	32.3	25.0	179.1	59.9	30.8	24.0	169.4	64.5	29.1	22.1	159.0	69.3	27.3	21.1
	8	202.3	51.2	34.8	26.4	193.7	56.0	33.3	25.5	184.5	60.6	31.7	24.5	174.5	65.3	30.0	22.5	163.8	70.2	28.2	21.5
	9	208.2	51.8	35.8	27.0	199.4	56.6	34.3	26.0	189.8	61.4	32.7	25.0	179.6	66.1	30.9	23.0	168.6	71.0	29.0	22.0
	10	216.1	52.5	37.2	27.5	206.9	57.4	35.6	26.5	197.0	62.2	33.9	25.4	186.4	67.0	32.1	23.4	174.9	72.0	30.1	22.4
TAU1P1L 090	5	212.3	57.6	36.5	25.9	203.1	62.8	34.9	25.0	193.3	67.9	33.2	24.0	182.7	73.1	31.4	22.1	171.4	78.5	29.5	21.1
	6	219.1	58.3	37.7	26.5	209.6	63.5	36.1	25.5	199.5	68.7	34.3	24.5	188.6	74.0	32.4	22.5	176.9	79.5	30.4	21.6
	7	225.9	59.0	38.9	27.0	216.1	64.3	37.2	26.0	205.6	69.6	35.4	25.0	194.4	74.9	33.4	23.0	182.4	80.5	31.4	22.0
	8	232.7	59.8	40.0	27.5	222.6	65.2	38.3	26.5	211.8	70.5	36.4	25.5	200.2	75.9	34.4	23.5	187.8	81.5	32.3	22.4
	9	239.4	60.5	41.2	28.1	229.1	65.9	39.4	27.0	218.0	71.3	37.5	26.0	206.1	76.8	35.4	23.9	193.3	82.5	33.2	22.9
	10	248.5	61.3	42.7	28.6	237.7	66.8	40.9	27.6	226.2	72.3	38.9	26.5	213.9	77.8	36.8	24.4	200.6	83.6	34.5	23.3
TAU1P2L 100	5	227.2	61.3	39.1	36.3	217.8	67.5	37.5	34.9	207.5	73.6	35.7	33.6	196.4	79.7	33.8	30.9	184.2	86.0	31.7	29.6
	6	234.5	62.0	40.3	37.0	224.7	68.3	38.7	35.7	214.2	74.5	36.8	34.3	202.6	80.6	34.9	31.6	190.1	87.1	32.7	30.2
	7	241.7	62.8	41.6	37.8	231.7	69.1	39.8	36.4	220.8	75.4	38.0	35.0	208.9	81.6	35.9	32.2	196.0	88.1	33.7	30.8
	8	249.0	63.6	42.8	38.6	238.6	70.0	41.0	37.1	227.4	76.4	39.1	35.7	215.2	82.7	37.0	32.8	201.8	89.3	34.7	31.4
	9	256.2	64.3	44.1	39.3	245.6	70.9	42.2	37.9	234.0	77.3	40.3	36.4	221.4	83.7	38.1	33.5	207.7	90.3	35.7	32.0
	10	265.9	65.2	45.7	40.1	254.8	71.8	43.8	38.6	242.9	78.3	41.8	37.1	229.8	84.8	39.5	34.1	215.6	91.6	37.1	32.6
TAU1P2L 110	5	255.5	68.0	44.0	45.6	244.9	74.8	42.1	43.9	233.5	81.5	40.2	42.2	221.0	88.2	38.0	38.9	207.4	95.2	35.7	37.2
	6	263.7	68.9	45.4	46.6	252.8	75.8	43.5	44.8	240.9	82.5	41.4	43.1	228.0	89.3	39.2	39.7	214.0	95.3	36.8	37.9
	7	271.9	69.7	46.8	47.5	260.6	76.7	44.8	45.8	248.4	83.5	42.7	44.0	235.1	90.4	40.4	40.5	220.6	97.5	37.9	38.7
	8	280.0	70.6	48.2	48.5	268.4	77.7	46.2	46.7	255.8	84.6	44.0	44.9	242.1	91.5	41.5	41.3	227.2	98.8	39.1	39.5
	9	288.2	71.4	49.6	49.4	276.2	78.6	47.5	47.6	263.3	85.6	45.3	45.8	249.2	92.6	42.9	42.1	233.8	99.9	40.2	40.3
	10	299.0	72.4	51.4	50.4	286.6	79.7	49.3	48.5	273.2	86.8	47.0	46.6	258.6	93.9	44.5	42.9	242.7	101.3	41.7	41.0
TAU1P2L 120	5	283.9	74.8	48.8	42.5	272.1	82.2	46.8	40.9	259.4	89.4	44.6	39.4	245.6	96.7	42.2	36.2	230.5	104.3	39.7	34.6
	6	292.9	75.7	50.4	43.4	280.8	83.2	48.3	41.8	267.7	90.5	45.0	40.2	253.4	97.9	43.6	37.0	237.9	105.6	40.9	35.4
	7	302.0	76.6	51.9	44.3	289.5	84.2	49.8	42.6	275.9	91.6	47.5	41.0	261.2	99.1	44.9	37.7	245.3	106.9	42.2	36.1
	8	311.1	77.6	53.5	45.2	298.1	85.3	51.3	43.5	284.2	92.8	48.9	41.8	269.1	100.4	46.3	38.5	252.6	108.3	43.5	36.8
	9	320.1	78.5	55.1	46.1	306.8	86.3	52.8	44.3	292.5	93.9	50.3	42.6	276.9	101.6	47.6	39.2	260.0	109.5	44.7	37.5
	10	332.2	79.6	57.1	46.9	318.4	87.5	54.8	45.2	303.5	95.2	52.2	43.5	287.4	103.0	49.4	40.0	269.8	111.0	46.4	38.2
TAU1P2L 130	5	305.6	80.4	52.6	67.4	292.8	88.2	50.4	64.9	279.1	95.9	48.0	62.4	264.2	103.6	45.4	57.4	248.1	111.6	42.7	54.9
	6	315.3	81.4	54.2	68.8	302.1	89.3	52.0	66.2	288.0	97.1	49.5	63.7	272.6	104.9	46.9	58.6	256.0	113.0	44.0	56.1
	7	325.1	82.4	55.9	70.2	311.5	90.4	53.6	67.6	296.9	98.3	51.1	65.0	281.1	106.1	48.3	59.8	263.9	114.4	45.4	57.2
	8	334.8	83.4	57.6	71.6	320.8	91.6	55.2	69.0	305.8	99.5	52.6	66.3	289.5	107.5	49.8	61.0	271.9	115.9	46.8	58.3
	9	344.6	84.4	59.3	73.0	330.2	92.7	56.8	70.3	314.7	100.7	54.1	67.6	297.9	108.8	51.2	62.2	279.8	117.2	48.1	59.5
	10	357.6	85.6	61.5	74.4	342.6	93.9	58.9	71.7	326.6	102.1	56.2	68.9	309.2	110.3	53.2	63.4	290.3	118.8	49.9	60.6
TAU1P2L 140	5	327.2	86.0	56.3	40.4	313.5	94.3	53.9	38.9	298.8	102.4	51.4	37.4	282.8	110.5	48.6	34.4	265.7	119.0	45.7	32.9
	6	337.7	87.1	58.1	41.3	323.5	95.4	55.6	39.7	308.3	103.6	53.0	38.2	291.9	111.8	50.2	35.2	274.1	120.4	47.2	33.6
	7	348.1	88.1	59.9	42.1	333.5	96.6	57.4	40.6	317.8	104.9	54.7	39.0	300.9	113.2	51.8	35.9	282.6	121.9	48.6	34.3
	8	358.6	89.3	61.7	43.0	343.5	97.9	59.1	41.4	327.4	106.2	56.3	39.8	309.9	114.7	53.3	36.6	291.1	123.5	50.1	35.0
	9	369.0	90.3	63.5	43.8	353.5	99.0	60.8	42.2	336.9	107.5	57.9	40.6	319.0	116.0	54.9	37.3	299.6	124.9	51.5	35.7
	10	382.9	91.6	65.9	44.6	366.9	100.4	63.1	43.0	349.6	109.0	60.1	41.3	331.0	117.6	56.9	38.0	310.9	126.6	53.5	36.4
TAU1P2L 150	5	348.3	92.4	59.9	43.5	333.5	101.1	57.4	41.9	317.7	109.6	54.6	40.3	300.7	118.2	51.7	37.1	282.3	127.1	48.6	35.5
	6	359.4	93.5	61.8	44.5	344.2	102.3	59.2	42.8	327.9	111.0	56.4	41.2	310.3	119.6	53.4	37.9	291.3	128.7	50.1	36.2
	7	370.5	94.6	63.7	45.4	354.8	103.6	61.0	43.7	338.0	112.3	58.1	42.0	319.9	121.1	55.0	38.6	300.3	130.3	51.7	37.0
	8	381.6	95.9	65.6	46.3	365.5	104.9	62.9	44.6	348.1	113.8	59.9	42.8	329.5	122.6	56.7	39.4	309.3	131.9	53.2	37.7
	9	392.7	97.0	67.5	47.2	376.1	106.2	64.7	45.4	358.3	115.1	61.6	43.7	339.1	124.1	58.3	40.2	318.3	133.5	54.8	38.4
	10	407.6	98.3	70.1	48.1	390.3	107.6	67.1	46.3	371.8	116.7	63.9	44.5	351.9	125.8	60.5	41.0	330.4	135.3	56.8	39.2
TAU1P2L 160	5	369.3	98.7	63.5	49.8	353.6	107.9	60.8	47.9	336.7	116.8	57.9	46.1	318.5	125.8	54.8	42.4	298.9	135.3	51.4	40.6
	6	381.1	99.9	65.5	50.8	364.9	109.2	62.8	48.9	347.4	118.3	59.8	47.0	328.7	127.4	56.5	43.3	308.5	137.0	53.1	41.4
	7	392.9	101.1	67.6	51.8	376.2	110.5	64.7	49.9	358.2	119.7	61.6	48.0	338.8	128.9	58.3	44.2	318.0	138.6	54.7	42.2
	8	404.7	102.4	69.6	52.9	387.4	112.0	66.6	50.9	368.9	121.3	63.5	49.0	349.0	130.6	60.0	45.0	327.6	140.4	56.3	43.1
	9	416.5	103.6	71.6	53.9	398.7	113.3	68.6	51.9	379.7	122.7	65.3	49.9	359.2	132.2	61.8	45.9	337.1	142.1	58.0	43.9
	10	432.2	105.1	74.3	55.0	413.8	114.8	71.2	52.9	394.0	124.4	67.8	50.9	372.7	134.0	64.1	46.8	349.8	144.0	60.2	44.8
TAU1P2L 170	5	397.0	106.9	68.3	51.8	379.9	116.7	65.3	49.9	361.6	126.3	62.2	48.0	342.0	136.0	58.8	44.2	320.9	146.2	55.2	42.2
	6	409.7	108.2	70.5	52.9	392.0	118.2	67.4	51.0	373.2	127.9	64.2	49.0	352.9	137.7	60.7	45.1	331.1	148.0	57.0	43.1
	7	422.3	109.5	72.6	54.0	404.2	119.6	69.5	52.0	384.7	129.4	66.2	50.0	363.8	139.4	62.5	46.0	341.4	149.8	58.7	44.0
	8	435.0	111.0	74.8	56.1	416.3	121.1	71.6	53.0	396.3	131.1	68.2	51.0	374.7	141.2	64.5	46.9	351.6	151.7	60.5	44.9
	9	447.7	112.3	77.0	56.2	428.4	122.6	73.7	54.1	407.8	132.7	70.1	52.0	385.7	142.8	66.3	47.8	361.9	153.5	62.2	45.8
	10	464.6	113.8	79.9	57.2	444.6	124.3	76.5	55.1	423.2	134.5	72.8	53.0	400.2	144.8	68.8	48.8	375.5	155.6	64.6	46.6
TAU1P2L 180	5	424.7	115.1	73.0	58.1	406.2	125.6	69.9	55.9	386.6	135.8	66.5	53.8	365.5	146.2	62.9	49.5	342.9	157.0	59.0	47.3
	6	438.2	116.6	75.4	59.3	419.2	127.1	72.1	57.1	398.9	137.5	68.6	54.9	377.2	148.0	64.9	50.5	353.8	159.0	60.9	48.3
	7	451.8	118.0	77.7	60.5	432.2	128.6	74.3	58.2	411.3	139.2	70.7	56.0	388.8	149.8	66.9	51.5	364.7	160.9	62.7	49.3
	8	465.3	119.5	80.0	61.7	445.1	130.3	76.6	59.4	423.6	141.0	72.9	57.1	400.5	151.7	68.9	52.6	375.7	163.0	64.6	50.3
	9	478.9	120.9	82.4	62.9	458.1	131.9	78.8	60.6	436.0	142.6	75.0	58.2	412.1	153.5	70.9	53.6	386.6	164.9	66.5	51.3
	10	496.9	122.6	85.5	64.1	475.4	133.7	81.8	61.7	452.4	144.6	77.8	59.4	427.7	155.6	73.6	54.6	401.2	167.2	69.0	52.2

Refrigerant: R407C
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Packaged Air Cooled Screw Chiller Performance data / R134a-Non Tropical / Fin and Tube Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TAU1S1L 050	5	115.5	27.1	19.9	8.3	110.9	30.1	19.1	8.0	106.0	33.0	18.2	7.7	100.7	35.9	17.3	7.1	94.9	38.8	16.3	6.8
	6	120.5	27.4	20.7	8.5	115.7	30.4	19.9	8.2	110.6	33.4	19.0	7.8	105.0	36.2	18.1	7.2	99.0	39.2	17.0	6.9
	7	125.5	27.7	21.6	8.6	120.6	30.8	20.7	8.3	115.2	33.7	19.8	8.0	109.4	36.6	18.8	7.4	103.2	39.5	17.7	7.0
	8	130.6	28.0	22.5	8.8	125.4	31.1	21.6	8.5	119.8	34.1	20.6	8.2	113.8	37.0	19.6	7.5	107.3	40.0	18.5	7.2
	9	135.6	28.3	23.3	9.0	130.2	31.4	22.4	8.7	124.4	34.4	21.4	8.3	118.2	37.4	20.3	7.7	111.4	40.4	19.2	7.3
	10	140.6	28.6	24.2	9.2	135.0	31.8	23.2	8.8	129.0	34.8	22.2	8.5	122.5	37.8	21.1	7.8	115.5	40.9	19.9	7.5
TAU1S1L 060	5	135.1	31.3	23.2	10.4	129.6	34.6	22.3	10.0	123.7	37.9	21.3	9.6	117.4	41.0	20.2	8.8	110.6	44.3	19.0	8.4
	6	140.9	31.6	24.2	10.6	135.2	35.0	23.3	10.2	129.1	38.2	22.2	9.8	122.5	41.5	21.1	9.0	115.4	44.8	19.9	8.6
	7	146.8	31.9	25.3	10.8	140.9	35.3	24.2	10.4	134.5	38.6	23.1	10.0	127.6	41.9	22.0	9.2	120.3	45.2	20.7	8.8
	8	152.7	32.3	26.3	11.0	146.5	35.7	25.2	10.6	139.9	39.0	24.1	10.2	132.7	42.3	22.8	9.4	125.1	45.7	21.5	9.0
	9	158.6	32.6	27.3	11.2	152.1	36.1	26.2	10.8	145.2	39.5	25.0	10.4	137.8	42.8	23.7	9.6	129.9	46.2	22.3	9.2
	10	164.4	33.0	28.3	11.4	157.8	36.5	27.1	11.0	150.6	39.9	25.9	10.6	142.9	43.3	24.6	9.8	134.7	46.8	23.2	9.3
TAU1S1L 070	5	154.3	35.6	26.5	13.5	148.0	39.3	25.4	13.0	141.1	42.9	24.3	12.5	133.9	46.5	23.0	11.5	126.0	50.2	21.7	11.0
	6	161.0	36.0	27.7	13.8	154.4	39.7	26.6	13.2	147.3	43.4	25.3	12.7	139.7	47.0	24.0	11.7	131.5	50.7	22.6	11.2
	7	167.7	36.3	28.9	14.0	160.8	40.1	27.7	13.5	153.4	43.8	26.4	13.0	145.5	47.5	25.0	12.0	137.0	51.2	23.6	11.4
	8	174.4	36.7	30.0	14.3	167.3	40.6	28.8	13.8	159.6	44.3	27.4	13.3	151.3	48.0	26.0	12.2	142.4	51.8	24.5	11.7
	9	181.2	37.1	31.2	14.6	173.7	41.0	29.9	14.1	165.7	44.8	28.5	13.5	157.1	48.5	27.0	12.4	147.9	52.3	25.4	11.9
	10	187.9	37.6	32.3	14.9	180.1	41.5	31.0	14.3	171.8	45.3	29.6	13.8	162.9	49.1	28.0	12.7	153.4	52.9	26.4	12.1
TAU1S1L 080	5	189.5	44.1	32.6	15.6	181.4	48.5	31.2	15.0	172.8	52.7	29.7	14.4	163.6	56.9	28.1	13.2	153.7	61.3	26.4	12.7
	6	197.8	44.6	34.0	15.9	189.3	49.0	32.6	15.3	180.3	53.2	31.0	14.7	170.7	57.5	29.4	13.5	160.4	61.9	27.6	12.9
	7	206.0	45.0	35.4	16.2	197.2	49.5	33.9	15.6	187.8	53.8	32.3	15.0	177.8	58.1	30.6	13.8	167.1	62.6	28.7	13.2
	8	214.2	45.5	36.8	16.5	205.0	50.0	35.3	15.9	195.3	54.4	33.6	15.3	184.9	58.7	31.8	14.1	173.8	63.2	29.9	13.5
	9	222.5	46.0	38.3	16.8	212.9	50.5	36.6	16.2	202.8	55.0	34.9	15.6	192.0	59.3	33.0	14.4	180.5	63.9	31.0	13.7
	10	230.7	46.6	39.7	17.2	220.8	51.1	38.0	16.5	210.3	55.6	36.2	15.9	199.1	60.0	34.2	14.6	187.1	64.7	32.2	14.0
TAU1S1L 090	5	215.4	51.2	37.1	15.6	206.0	56.0	35.4	15.0	196.0	60.6	33.7	14.4	185.3	65.3	31.9	13.2	173.9	70.3	29.9	12.7
	6	224.8	51.7	38.7	15.9	214.9	56.6	37.0	15.3	204.5	61.2	35.2	14.7	193.4	66.0	33.3	13.5	181.5	71.0	31.2	12.9
	7	234.2	52.3	40.3	16.2	223.9	57.1	38.5	15.6	213.0	61.9	36.6	15.0	201.4	66.7	34.6	13.8	189.1	71.7	32.5	13.2
	8	243.5	52.8	41.9	16.5	232.8	57.8	40.0	15.9	221.5	62.5	38.1	15.3	209.5	67.4	36.0	14.1	196.6	72.5	33.8	13.5
	9	252.9	53.4	43.5	16.8	241.8	58.4	41.6	16.2	230.0	63.2	39.6	15.6	217.5	68.1	37.4	14.4	204.2	73.3	35.1	13.7
	10	262.3	54.0	45.1	17.2	250.8	59.1	43.1	16.5	238.6	64.0	41.0	15.9	225.6	68.9	38.8	14.6	211.8	74.1	36.4	14.0
TAU1S2L 100	5	231.0	54.3	39.7	21.8	221.8	60.3	38.2	21.0	211.9	66.0	36.5	20.2	201.3	71.7	34.6	18.5	189.8	77.5	32.6	17.7
	6	241.0	54.8	41.5	22.2	231.5	60.9	39.8	21.4	221.2	66.7	38.0	20.6	210.1	72.4	36.1	18.9	198.0	78.3	34.1	18.1
	7	251.1	55.4	43.2	22.7	241.1	61.5	41.5	21.8	230.4	67.4	39.6	21.0	218.8	73.2	37.6	19.3	206.3	79.1	35.5	18.5
	8	261.1	56.0	44.9	23.1	250.8	62.2	43.1	22.3	239.6	68.1	41.2	21.4	227.6	74.0	39.1	19.7	214.6	80.0	36.9	18.8
	9	271.2	56.6	46.6	23.6	260.4	62.9	44.8	22.7	248.8	68.9	42.8	21.8	236.3	74.8	40.6	20.1	222.8	80.8	38.3	19.2
	10	281.2	57.3	48.4	24.0	270.1	63.6	45.4	23.2	258.0	69.7	44.4	22.3	245.1	75.7	42.2	20.5	231.1	81.8	39.7	19.6
TAU1S2L 110	5	250.6	58.4	43.1	24.9	240.5	64.7	41.4	24.0	229.7	70.9	39.5	23.0	218.1	76.9	37.5	21.2	205.5	83.1	35.4	20.3
	6	261.5	59.0	45.0	25.4	251.0	65.4	43.2	24.5	239.7	71.6	41.2	23.5	227.6	77.7	39.1	21.6	214.5	83.9	36.9	20.7
	7	272.4	59.6	46.8	25.9	261.4	66.1	45.0	25.0	249.7	72.3	42.9	24.0	237.0	78.5	40.8	22.1	223.4	84.8	38.4	21.1
	8	283.2	60.2	48.7	26.4	271.9	66.8	45.8	25.5	259.7	73.1	44.7	24.5	246.5	79.3	42.4	22.5	232.3	85.7	40.0	21.5
	9	294.1	60.9	50.6	27.0	282.3	67.5	48.6	26.0	269.6	73.9	46.4	25.0	256.0	80.2	44.0	23.0	241.3	86.6	41.5	22.0
	10	305.0	61.6	52.5	27.5	292.8	68.3	50.4	26.5	279.6	74.8	48.1	25.4	265.5	81.1	45.7	23.4	250.2	87.6	43.0	22.4
TAU1S2L 120	5	270.1	62.5	46.5	29.0	259.2	69.2	44.6	28.0	247.4	75.7	42.6	26.9	234.8	82.1	40.4	24.7	221.3	88.6	38.1	23.7
	6	281.9	63.2	48.5	29.6	270.4	69.9	46.5	28.5	258.2	76.5	44.4	27.4	245.0	82.9	42.1	25.2	230.9	89.5	39.7	24.1
	7	293.6	63.8	50.5	30.2	281.7	70.6	48.5	29.1	269.0	77.2	46.3	28.0	255.3	83.7	43.9	25.8	240.5	90.4	41.4	24.6
	8	305.4	64.5	52.5	30.8	293.0	71.4	50.4	29.7	279.7	78.1	48.1	28.6	265.5	84.7	45.7	26.3	250.1	91.4	43.0	25.1
	9	317.1	65.2	54.5	31.4	304.2	72.2	52.3	30.3	290.5	78.9	50.0	29.1	275.7	85.6	47.4	26.8	259.8	92.4	44.7	25.6
	10	328.9	66.0	56.6	32.1	315.5	73.0	54.3	30.9	301.2	79.9	51.8	29.7	285.9	86.6	49.2	27.3	269.4	93.5	46.3	26.1
TAU1S2L 130	5	289.4	66.9	49.8	41.5	277.5	73.9	47.7	39.9	264.9	80.8	45.6	38.4	251.3	87.5	43.2	35.3	236.6	94.5	40.7	33.8
	6	302.0	67.5	51.9	42.3	289.6	74.7	49.8	40.8	276.4	81.6	47.5	39.2	262.2	88.4	45.1	36.1	246.9	95.5	42.5	34.5
	7	314.6	68.2	54.1	43.2	301.7	75.5	51.9	41.6	287.9	82.4	49.5	40.0	273.1	89.3	47.0	36.8	257.2	96.4	44.2	35.2
	8	327.1	69.0	56.3	44.1	313.7	76.3	54.0	42.4	299.4	83.3	51.5	40.8	284.0	90.3	48.9	37.5	267.5	97.5	46.0	35.9
	9	339.7	69.7	58.4	44.9	325.8	77.1	56.0	43.3	310.9	84.2	53.5	41.6	295.0	91.3	50.7	38.3	277.8	98.5	47.8	36.6
	10	352.3	70.5	60.6	45.8	337.9	78.0	58.1	44.1	322.4	85.2	55.5	42.4	305.9	92.4	52.6	39.0	288.1	99.7	49.6	37.3
TAU1S2L 140	5	308.6	71.2	53.1	47.7	295.9	78.7	50.9	45.9	282.3	85.9	48.6	44.2	267.7	93.0	46.0	40.6	252.0	100.4	43.3	38.9
	6	322.1	71.9	55.4	48.7	308.8	79.5	53.1	46.9	294.6	86.7	50.7	45.1	279.3	94.0	48.0	41.5	263.0	101.4	45.2	39.7
	7	335.5	72.6	57.7	49.7	321.6	80.3	55.3	47.8	306.8	87.6	52.8	46.0	291.0	94.9	50.0	42.3	273.9	102.4	47.1	40.5
	8	348.9	73.4	60.0	50.7	334.5	81.2	57.5	48.8	319.1	88.6	54.9	46.9	302.6	96.0	52.1	43.2	284.9	103.5	49.0	41.3
	9	362.3	74.2	62.3	51.7	347.4	82.0	59.7	49.8	331.4	89.5	57.0	47.8	314.3	97.0	54.1	44.0	295.8	104.7	50.9	42.1
	10	375.7	75.1	64.6	52.7	360.2	83.0	62.0	50.7	343.7	90.6	59.1	48.8	325.9	98.1	56.1	44.9	306.8	105.9	52.8	42.9
TAU1S2L 150	5	343.8	79.7	59.1	33.2	329.3	87.8	56.6	31.9	313.9	95.6	54.0	30.7	297.4	103.4	51.2	28.3	279.7	111.5	48.1	27.0
	6	358.8	80.5	61.7	33.9	343.7	88.7	59.1	32.6	327.6	96.6	56.3	31.4	310.3	104.5	53.4	28.9	291.9	112.6	50.2	27.6
	7	373.7	81.4	64.3	34.6	358.0	89.6	61.6	33.3	341.2	97.6	58.7	32.0	323.3	106.5	55.6	29.4	304.1	113.8	52.3	28.2
	8	388.7	82.3	66.9	35.3	372.3	90.6	64.0	33.9	354.9	98.7	61.0	32.6	336.2	106.7	57.8	30.0	316.2	115.0	54.4	28.7
	9	403.6	83.2	69.4	35.9	386.6	91.6	66.5	34.6	368.5	99.7	63.4	33.3	349.1	107.8	60.1	30.6	328.4	116.3	56.5	29.3
	10	418.6	84.1	72.0	36.6	400.9	92.6	69.0	35.3	382.2	100.9	65.7	33.9	362.1	109.1	62.3	31.2	340.5	117.6	58.6	29.8
TAU1S2L 160	5	379.0	88.3	65.2	40.4	362.8	96.9	62.4	38.9	345.6	105.4	59.4	37.4	327.1	113.8	56.3	34.4	307.4	122.6	52.9	32.9
	6	395.5	89.2	68.0	41.3	378.5	97.9	65.1	39.7	360.6	106.5	62.0	38.2	341.4	115.0	58.7	35.2	320.8	123.9	55.2	33.6
	7	412.0	90.1	70.9	42.1	394.3	98.9	67.8	40.6	375.6	107.5	64.6	39.0	355.6	116.1	61.2	35.9	334.2	125.1	57.5	34.3
	8	428.5	91.1	73.7	43.0	410.1	100.0	70.5	41.4	390.6	108.7	67.2	39.8	369.8	117.4	63.6	36.6	347.5	126.5	59.8	35.0
	9	444.9	92.1	76.5	43.8	425.9	101.1	73.2	42.2	406.6	109.9	69.8	40.6	384.0	118.7	66.1	37.3	360.9	127.9	62.1	35.7
	10	461.4	93.1	79.4	44.6	441.6	102.3	76.0	43.0	420.7	111.2	72.4	41.3	398.2	120.1	68.5	38.0	374.3	129.4	64.4	36.4
TAU1S2L 170	5	404.9	95.4	69.7	51.8	387.4	104.5	66.6	49.9	368.7	113.3	63.4	48.0	348.9	122.2	60.0	44.2	327.7	131.6	56.4	42.2
	6	422.6	96.3	72.7	52.9	404.2	105.5	69.5	51.0	384.8	114.5	66.2	49.0	364.0	123.5	62.6	45.1	341.9	132.9	58.8	43.1
	7	440.2	97.3	75.7	54.0	421.1	106.6	72.4	52.0	400.8	115.6	68.9	50.0	379.2	124.7	65.2	46.0	356.2	134.3	61.3	44.0
	8	457.8	98.4	78.7	55.1	437.9	107.8	75.3	53.0	416.8	116.9	71.7	51.0	394.4	126.1	67.8	46.9	370.4	135.7	63.7	44.9
	9	475.4	99.4	81.8	56.2	454.7	108.9	78.2	54.1	432.9	118.2	74.5	52.0	409.5	127.5	70.4	47.8	384.7	137.2	66.2	45.8
	10	493.0	100.6	84.8	57.2	471.6	110.2	81.1	55.1	448.9	119.6	77.2	53.0	424.7	129.0	73.0	48.8	398.9	138.8	68.6	46.6
TAU1S2L 180	5	430.9	102.4	74.1	57.0	412.0	112.0	70.9	54.9	391.9	121.3	67.4	52.8	370.6	130.7	63.7	48.6	347.9	140.5	59.8	46.5
	6	449.6	103.5	77.3	58.2	429.9	113.1	73.9	56.1	409.0	122.5	70.3	53.9	386.7	132.0	66.5	49.6	363.0	142.0	62.4	47.4
	7	468.3	104.5	80.6	59.4	447.8	114.3	77.0	57.2	426.0	123.7	73.3	55.0	402.8	133.4	69.3	50.6	378.1	143.4	65.0	48.4
	8	487.1	105.7	83.8	60.6	465.7	115.5	80.1	58.3	443.0	125.1	76.2	56.1	418.9	134.8	72.1	51.6	393.3	145.0	67.6	49.4
	9	506.8	106.8	87.0	61.8	483.6	116.8	83.2	59.5	460.1	126.5	79.1	57.2	435.0	136.3	74.8	52.6	408.4	146.6	70.2	50.3
	10	524.5	108.1	90.2	63.0	501.5	118.1	86.3	60.6	477.1	127.9	82.1	58.3	451.2	137.9	77.6	53.6	423.5	148.3	72.8	51.3

Refrigerant: R134a
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Packaged Air Cooled Screw Chiller Performance data / R134a-Tropical / Fin and Tube Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		35				40				45				50				55			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TTU1S1L 050	5.0	106.0	33.0	18.2	8.3	100.7	35.9	17.3	8.0	94.9	38.8	16.3	7.7	88.7	41.9	15.3	7.1	81.9	45.4	14.1	6.8
	6.0	110.6	33.4	19.0	8.5	105.0	36.2	18.1	8.2	99.0	39.2	17.0	7.8	92.5	42.3	15.9	7.2	85.5	45.8	14.7	6.9
	7.0	115.2	33.7	19.8	8.6	109.4	36.6	18.8	8.3	103.2	39.5	17.7	8.0	96.4	42.7	16.6	7.4	89.1	46.3	15.3	7.0
	8.0	119.8	34.1	20.6	8.8	113.8	37.0	19.6	8.5	107.3	40.0	18.5	8.2	100.2	43.2	17.2	7.5	92.6	46.8	15.9	7.2
	9.0	124.4	34.4	21.4	9.0	118.2	37.4	20.3	8.7	111.4	40.4	19.2	8.3	104.1	43.6	17.9	7.7	96.2	47.3	16.5	7.3
	10.0	129.0	34.8	22.2	9.2	122.5	37.8	21.1	8.8	115.5	40.9	19.9	8.5	107.9	44.2	18.6	7.8	99.7	47.9	17.2	7.5
TTU1S1L 060	5.0	123.7	37.9	21.3	10.4	117.4	41.0	20.2	10.0	110.6	44.3	19.0	9.6	103.3	47.8	17.8	8.8	95.4	51.8	16.4	8.4
	6.0	129.1	38.2	22.2	10.6	122.5	41.5	21.1	10.2	115.4	44.8	19.9	9.8	107.8	48.3	18.5	9.0	99.6	52.4	17.1	8.6
	7.0	134.5	38.6	23.1	10.8	127.6	41.9	22.0	10.4	120.3	45.2	20.7	10.0	112.3	48.8	19.3	9.2	103.7	52.9	17.8	8.8
	8.0	139.9	39.0	24.1	11.0	132.7	42.3	22.8	10.6	125.1	45.7	21.5	10.2	116.8	49.3	20.1	9.4	107.8	53.5	18.5	9.0
	9.0	145.2	39.5	25.0	11.2	137.8	42.8	23.7	10.8	129.9	46.2	22.3	10.4	121.3	49.9	20.9	9.6	112.0	54.0	19.3	9.2
	10.0	150.6	39.9	25.9	11.4	142.9	43.3	24.6	11.0	134.7	46.8	23.2	10.6	125.8	50.5	21.6	9.8	116.1	54.7	20.0	9.3
TTU1S1L 070	5.0	141.1	42.9	24.3	13.5	133.9	46.5	23.0	13.0	126.0	50.2	21.7	12.5	117.6	54.1	20.2	11.5	108.5	58.7	18.7	11.0
	6.0	147.3	43.4	25.3	13.8	139.7	47.0	24.0	13.2	131.5	50.7	22.6	12.7	122.7	54.7	21.1	11.7	113.2	59.3	19.5	11.2
	7.0	153.4	43.8	26.4	14.0	145.5	47.5	25.0	13.5	137.0	51.2	23.6	13.0	127.8	55.3	22.0	12.0	118.0	59.9	20.3	11.4
	8.0	159.6	44.3	27.4	14.3	151.3	48.0	26.0	13.8	142.4	51.8	24.5	13.3	132.9	55.9	22.9	12.2	122.7	60.5	21.1	11.7
	9.0	165.7	44.8	28.5	14.6	157.1	48.5	27.0	14.1	147.9	52.3	25.4	13.5	138.0	56.5	23.7	12.4	127.4	61.2	21.9	11.9
	10.0	171.8	45.3	29.6	14.9	162.9	49.1	28.0	14.3	153.4	52.9	26.4	13.8	143.1	57.1	24.6	12.7	132.1	61.9	22.7	12.1
TTU1S1L 080	5.0	172.8	52.7	29.7	15.6	163.6	56.9	28.1	15.0	153.7	61.3	26.4	14.4	143.2	66.1	24.6	13.2	132.0	71.6	22.7	12.7
	6.0	180.3	53.2	31.0	15.9	170.7	57.5	29.4	15.3	160.4	61.9	27.6	14.7	149.4	66.8	25.7	13.5	137.7	72.3	23.7	12.9
	7.0	187.8	53.8	32.3	16.2	177.8	58.1	30.6	15.6	167.1	62.6	28.7	15.0	155.6	67.4	26.8	13.8	143.4	73.1	24.7	13.2
	8.0	195.3	54.4	33.6	16.5	184.9	58.7	31.8	15.9	173.8	63.2	29.9	15.3	161.9	68.2	27.8	14.1	149.2	73.9	25.7	13.5
	9.0	202.8	55.0	34.9	16.8	192.0	59.3	33.0	16.2	180.5	63.9	31.0	15.6	168.1	68.9	28.9	14.4	154.9	74.7	26.6	13.7
	10.0	210.3	55.6	36.2	17.2	199.1	60.0	34.2	16.5	187.1	64.7	32.2	15.9	174.3	69.7	30.0	14.6	160.6	75.5	27.6	14.0
TTU1S1L 090	5.0	196.0	60.6	33.7	15.6	185.3	65.3	31.9	15.0	173.9	70.3	29.9	14.4	161.9	75.7	27.8	13.2	149.0	82.0	25.6	12.7
	6.0	204.5	61.2	35.2	15.9	193.4	66.0	33.3	15.3	181.5	71.0	31.2	14.7	168.9	76.5	29.1	13.5	155.5	82.8	26.8	12.9
	7.0	213.0	61.9	36.6	16.2	201.4	66.7	34.6	15.6	189.1	71.7	32.5	15.0	176.0	77.3	30.3	13.8	162.0	83.7	27.9	13.2
	8.0	221.5	62.5	38.1	16.5	209.5	67.4	36.0	15.9	196.6	72.5	33.8	15.3	183.0	78.1	31.5	14.1	168.5	84.6	29.0	13.5
	9.0	230.0	63.2	39.6	16.8	217.5	68.1	37.4	16.2	204.2	73.3	35.1	15.6	190.0	79.0	32.7	14.4	175.0	85.5	30.1	13.7
	10.0	238.6	64.0	41.0	17.2	225.6	68.9	38.8	16.5	211.8	74.1	36.4	15.9	197.1	79.9	33.9	14.6	181.5	86.5	31.2	14.0
TTU1S2L 100	5.0	211.9	66.0	36.5	21.8	201.3	71.7	34.6	21.0	189.8	77.5	32.6	20.2	177.3	83.7	30.5	18.5	163.9	90.7	28.2	17.7
	6.0	221.2	66.7	38.0	22.2	210.1	72.4	36.1	21.4	198.0	78.3	34.1	20.6	185.1	84.6	31.8	18.9	171.0	91.6	29.4	18.1
	7.0	230.4	67.4	39.6	22.7	218.8	73.2	37.6	21.8	206.3	79.1	35.5	21.0	192.8	85.4	33.2	19.3	178.1	92.6	30.6	18.5
	8.0	239.6	68.1	41.2	23.1	227.6	74.0	39.1	22.3	214.6	80.0	36.9	21.4	200.5	86.3	34.5	19.7	185.2	93.6	31.9	18.8
	9.0	248.8	68.9	42.8	23.6	236.3	74.8	40.6	22.7	222.8	80.8	38.3	21.8	208.2	87.3	35.8	20.1	192.4	94.6	33.1	19.2
	10.0	258.0	69.7	44.4	24.0	245.1	75.7	42.2	23.2	231.1	81.8	39.7	22.3	215.9	88.3	37.1	20.5	199.5	95.7	34.3	19.6
TTU1S2L 110	5.0	229.7	70.9	39.5	24.9	218.1	76.9	37.5	24.0	205.5	83.1	35.4	23.0	192.0	89.7	33.0	21.2	177.3	97.2	30.5	20.3
	6.0	239.7	71.6	41.2	25.4	227.6	77.7	39.1	24.5	214.5	83.9	36.9	23.5	200.3	90.6	34.5	21.6	185.0	98.2	31.8	20.7
	7.0	249.7	72.3	42.9	25.9	237.0	78.5	40.8	25.0	223.4	84.8	38.4	24.0	208.7	91.5	35.9	22.1	192.8	99.2	33.2	21.1
	8.0	259.7	73.1	44.7	26.4	246.5	79.3	42.4	25.5	232.3	85.7	40.0	24.5	217.0	92.5	37.3	22.5	200.5	100.3	34.5	21.5
	9.0	269.6	73.9	46.4	27.0	256.0	80.2	44.0	26.0	241.3	86.6	41.5	25.0	225.4	93.5	38.8	23.0	208.2	101.3	35.8	22.0
	10.0	279.6	74.8	48.1	27.5	265.5	81.1	45.7	26.5	250.2	87.6	43.0	25.4	233.7	94.6	40.2	23.4	215.9	102.5	37.1	22.4
TTU1S2L 120	5.0	247.4	75.7	42.6	29.0	234.8	82.1	40.4	28.0	221.3	88.6	38.1	26.9	206.6	95.7	35.5	24.7	190.8	103.6	32.8	23.7
	6.0	258.2	76.5	44.4	29.6	245.0	82.9	42.1	28.5	230.9	89.5	39.7	27.4	215.6	96.6	37.1	25.2	199.1	104.7	34.2	24.1
	7.0	269.0	77.2	46.3	30.2	255.3	83.7	43.9	29.1	240.5	90.4	41.4	28.0	224.6	97.6	38.6	25.8	207.4	105.8	35.7	24.6
	8.0	279.7	78.1	48.1	30.8	265.5	84.7	45.7	29.7	250.1	91.4	43.0	28.6	233.5	98.7	40.2	26.3	215.7	106.9	37.1	25.1
	9.0	290.5	78.9	50.0	31.4	275.7	85.6	47.4	30.3	259.8	92.4	44.7	29.1	242.5	99.8	41.7	26.8	224.0	108.1	38.5	25.6
	10.0	301.2	79.9	51.8	32.1	285.9	86.6	49.2	30.9	269.4	93.5	46.3	29.7	251.5	100.9	43.3	27.3	232.3	109.4	40.0	26.1
TTU1S2L 130	5.0	264.9	80.8	45.6	41.5	251.3	87.5	43.2	39.9	236.6	94.5	40.7	38.4	220.9	102.0	38.0	35.3	203.9	110.5	35.1	33.8
	6.0	276.4	81.6	47.5	42.3	262.2	88.4	45.1	40.8	246.9	95.5	42.5	39.2	230.5	103.0	39.6	36.1	212.8	111.6	36.6	34.5
	7.0	287.9	82.4	49.5	43.2	273.1	89.3	47.0	41.6	257.2	96.4	44.2	40.0	240.1	104.1	41.3	36.8	221.7	112.7	38.1	35.2
	8.0	299.4	83.3	51.5	44.1	284.0	90.3	48.9	42.4	267.5	97.5	46.0	40.8	249.7	105.2	42.9	37.5	230.5	114.0	39.6	35.9
	9.0	310.9	84.2	53.5	44.9	295.0	91.3	50.7	43.3	277.8	98.5	47.8	41.6	259.3	106.3	44.6	38.3	239.4	115.2	41.2	36.6
	10.0	322.4	85.2	55.5	45.8	305.9	92.4	52.6	44.1	288.1	99.7	49.6	42.4	268.9	107.6	46.2	39.0	248.2	116.6	42.7	37.3
TTU1S2L 140	5.0	282.3	85.9	48.6	47.7	267.7	93.0	46.0	45.9	252.0	100.4	43.3	44.2	235.2	108.3	40.4	40.6	217.0	117.3	37.3	38.9
	6.0	294.6	86.7	50.7	48.7	279.3	94.0	48.0	46.9	263.0	101.4	45.2	45.1	245.4	109.4	42.2	41.5	226.5	118.5	39.0	39.7
	7.0	306.8	87.6	52.8	49.7	291.0	94.9	50.0	47.8	273.9	102.4	47.1	46.0	255.6	110.5	44.0	42.3	235.9	119.7	40.6	40.5
	8.0	319.1	88.6	54.9	50.7	302.6	96.0	52.1	48.8	284.9	103.5	49.0	46.9	265.8	111.7	45.7	43.2	245.3	121.0	42.2	41.3
	9.0	331.4	89.5	57.0	51.7	314.3	97.0	54.1	49.8	295.8	104.7	50.9	47.8	276.0	112.9	47.5	44.0	254.8	122.3	43.8	42.1
	10.0	343.7	90.6	59.1	52.7	325.9	98.1	56.1	50.7	306.8	105.9	52.8	48.8	286.3	114.3	49.2	44.9	264.2	123.8	45.4	42.9
TTU1S2L 150	5.0	313.9	95.6	54.0	33.2	297.4	103.4	51.2	31.9	279.7	111.5	48.1	30.7	260.8	120.2	44.8	28.3	240.5	130.2	41.4	27.0
	6.0	327.6	96.6	56.3	33.9	310.3	104.5	53.4	32.6	291.9	112.6	50.2	31.4	272.1	121.5	46.8	28.9	250.9	131.6	43.2	27.6
	7.0	341.2	97.6	58.7	34.6	323.3	105.5	55.6	33.3	304.1	113.8	52.3	32.0	283.4	122.7	48.7	29.4	261.4	132.9	45.0	28.2
	8.0	354.9	98.7	61.0	35.3	336.2	106.7	57.8	33.9	316.2	115.0	54.4	32.6	294.8	124.0	50.7	30.0	271.8	134.4	46.8	28.7
	9.0	368.5	99.7	63.4	35.9	349.1	107.8	60.1	34.6	328.4	116.3	56.5	33.3	306.1	125.4	52.6	30.6	282.3	135.8	48.6	29.3
	10.0	382.2	100.9	65.7	36.6	362.1	109.1	62.3	35.3	340.5	117.6	58.6	33.9	317.4	126.9	54.6	31.2	292.7	137.4	50.4	29.8
TTU1S2L 160	5.0	345.6	105.4	59.4	40.4	327.1	113.8	56.3	38.9	307.4	122.6	52.9	37.4	286.4	132.2	49.3	34.4	263.9	143.2	45.4	32.9
	6.0	360.6	106.5	62.0	41.3	341.4	115.0	58.7	39.7	320.8	123.9	55.2	38.2	298.8	133.5	51.4	35.2	275.4	144.6	47.4	33.6
	7.0	375.6	107.5	64.6	42.1	355.6	116.1	61.2	40.6	334.2	125.1	57.5	39.0	311.3	134.9	53.5	35.9	286.9	146.1	49.3	34.3
	8.0	390.6	108.7	67.2	43.0	369.8	117.4	63.6	41.4	347.5	126.5	59.8	39.8	323.7	136.3	55.7	36.6	298.3	147.7	51.3	35.0
	9.0	405.6	109.9	69.8	43.8	384.0	118.7	66.1	42.2	360.9	127.9	62.1	40.6	336.2	137.8	57.8	37.3	309.8	149.3	53.3	35.7
	10.0	420.7	111.2	72.4	44.6	398.2	120.1	68.5	43.0	374.3	129.4	64.4	41.3	348.6	139.4	60.0	38.0	321.3	151.1	55.3	36.4
TTU1S2L 170	5.0	368.7	113.3	63.4	51.8	348.9	122.2	60.0	49.9	327.7	131.6	56.4	48.0	305.1	141.8	52.5	44.2	281.0	153.6	48.3	42.2
	6.0	384.8	114.5	66.2	52.9	364.0	123.5	62.6	51.0	341.9	132.9	58.8	49.0	318.3	143.2	54.8	45.1	293.2	155.2	50.4	43.1
	7.0	400.8	115.6	68.9	54.0	379.2	124.7	65.2	52.0	356.2	134.3	61.3	50.0	331.6	144.7	57.0	46.0	305.4	156.7	52.5	44.0
	8.0	416.8	116.9	71.7	55.1	394.4	126.1	67.8	53.0	370.4	135.7	63.7	51.0	344.8	146.3	59.3	46.9	317.7	158.5	54.6	44.9
	9.0	432.9	118.2	74.5	56.2	409.5	127.5	70.4	54.1	384.7	137.2	66.2	52.0	358.1	147.9	61.6	47.8	329.9	160.2	56.7	45.8
	10.0	448.9	119.6	77.2	57.2	424.7	129.0	73.0	55.1	398.9	138.8	68.6	53.0	371.4	149.6	63.9	48.8	342.1	162.1	58.8	46.6
TTU1S2L 180	5.0	391.9	121.3	67.4	57.0	370.6	130.7	63.7	54.9	347.9	140.5	59.8	52.8	323.7	151.4	55.7	48.6	298.1	164.0	51.3	46.5
	6.0	409.0	122.5	70.3	58.2	386.7	132.0	66.5	56.1	363.0	142.0	62.4	53.9	337.8	153.0	58.1	49.6	311.1	165.7	53.5	47.4
	7.0	426.0	123.7	73.3	59.4	402.8	133.4	69.3	57.2	378.1	143.4	65.0	55.0	351.9	154.5	60.5	50.6	324.0	167.4	55.7	48.4
	8.0	443.0	125.1	76.2	60.6	418.9	134.8	72.1	58.3	393.3	145.0	67.6	56.1	366.0	156.2	62.9	51.6	337.0	169.2	58.0	49.4
	9.0	460.1	126.5	79.1	61.8	435.0	136.3	74.8	59.5	408.4	146.6	70.2	57.2	380.1	157.9	65.4	52.6	349.9	171.1	60.2	50.3
	10.0	477.1	127.9	82.1	63.0	451.2	137.9	77.6	60.6	423.5	148.3	72.8	58.3	394.1	159.8	67.8	53.6	362.9	173.1	62.4	51.3

Refrigerant: R134a
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

TAHVIEH AIR CONDITIONING SYSTEMS

Packaged Air Cooled Screw Chiller Performance data / R22 / Micro-Channel Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)
TAU1W1X 050	5	119.0	29.3	20.5	9.2	115.2	32.7	19.8	8.9	111.2	35.9	19.1	8.5	106.8	39.1	18.4	7.9	102.1	42.2	17.6	7.5
	6	122.8	29.7	21.1	9.4	118.9	33.1	20.5	9.1	114.7	36.4	19.7	8.7	110.2	39.6	19.0	8.0	105.4	42.8	18.1	7.7
	7	126.6	30.0	21.8	9.6	122.6	33.5	21.1	9.3	118.3	36.8	20.3	8.9	113.6	40.0	19.5	8.2	108.6	43.3	18.7	7.8
	8	130.4	30.4	22.4	9.8	126.3	33.9	21.7	9.4	121.8	37.3	21.0	9.1	117.0	40.6	20.1	8.4	111.9	43.8	19.2	8.0
	9	134.2	30.8	23.1	10.0	129.9	34.3	22.3	9.6	125.4	37.7	21.6	9.3	120.4	41.0	20.7	8.5	115.1	44.4	19.8	8.1
	10	139.3	31.2	24.0	10.2	134.8	34.8	23.2	9.8	130.1	38.3	22.4	9.4	125.0	41.5	21.5	8.7	119.5	45.0	20.6	8.3
TAU1W1X 060	5	147.6	36.5	25.4	21.7	142.8	40.5	24.6	20.9	137.7	44.3	23.7	20.1	132.1	48.1	22.7	18.5	126.2	51.9	21.7	17.7
	6	152.4	36.9	26.2	22.1	147.4	41.0	25.3	21.3	142.1	44.9	24.4	20.5	136.4	48.7	23.5	18.8	130.2	52.5	22.4	18.0
	7	157.1	37.4	27.0	22.6	151.9	41.5	26.1	21.7	146.5	45.4	25.2	20.9	140.6	49.3	24.2	19.2	134.3	53.2	23.1	18.4
	8	161.8	37.9	27.8	23.0	156.5	42.1	26.9	22.2	150.8	46.0	25.9	21.3	144.8	49.9	24.9	19.6	138.3	53.9	23.8	18.8
	9	166.5	38.3	28.6	23.5	161.1	42.5	27.7	22.6	155.2	46.6	26.7	21.7	149.0	50.5	25.6	20.0	142.3	54.5	24.5	19.1
	10	172.8	38.8	29.7	23.9	167.1	43.1	28.7	23.0	161.1	47.2	27.7	22.2	154.6	51.2	26.6	20.4	147.7	55.2	25.4	19.5
TAU1W1X 070	5	183.3	45.1	31.5	18.4	174.4	48.6	30.0	17.7	164.8	52.5	28.4	17.0	154.7	56.7	26.6	15.6	144.0	61.5	24.8	15.0
	6	189.2	45.6	32.5	18.7	179.9	49.2	31.0	18.0	170.1	53.1	29.3	17.3	159.7	57.4	27.5	16.0	148.6	62.2	25.6	15.3
	7	195.0	46.2	33.5	19.1	185.5	49.8	31.9	18.4	175.4	53.7	30.2	17.7	164.6	58.1	28.3	16.3	153.2	63.0	26.3	15.6
	8	200.9	46.8	34.6	19.5	191.1	50.4	32.9	18.8	180.6	54.4	31.1	18.1	169.5	58.9	29.2	16.6	157.8	63.8	27.1	15.9
	9	206.7	47.3	35.6	19.9	196.6	51.0	33.8	19.1	185.9	55.1	32.0	18.4	174.5	59.6	30.0	16.9	162.4	64.5	27.9	16.2
	10	214.5	48.0	36.9	20.3	204.1	51.7	35.1	19.5	192.9	55.8	33.2	18.8	181.1	60.4	31.1	17.3	168.5	65.4	29.0	16.5
TAU1W1X 080	5	212.4	51.8	36.5	14.2	201.2	55.7	34.6	13.7	189.5	59.9	32.6	13.2	177.2	64.6	30.5	12.1	164.3	69.7	28.3	11.6
	6	219.2	52.4	37.7	14.5	207.7	56.4	35.7	14.0	195.6	60.7	33.6	13.4	182.9	65.4	31.5	12.4	169.5	70.6	29.2	11.8
	7	225.9	53.1	38.9	14.8	214.1	57.1	36.8	14.2	201.6	61.4	34.7	13.7	188.5	66.2	32.4	12.6	174.8	71.4	30.1	12.1
	8	232.7	53.8	40.0	15.1	220.5	57.8	37.9	14.5	207.7	62.2	35.7	14.0	194.2	67.1	33.4	12.9	180.0	72.3	31.0	12.3
	9	239.5	54.4	41.2	15.4	226.9	58.5	39.0	14.8	213.7	63.0	36.8	14.2	199.8	67.9	34.4	13.1	185.3	73.2	31.9	12.5
	10	248.5	55.2	42.7	15.7	235.5	59.3	40.5	15.1	221.8	63.8	38.1	14.5	207.4	68.8	35.7	13.4	192.3	74.2	33.1	12.8
TAU1W1X 090	5	249.2	60.6	42.9	17.7	236.9	65.2	40.8	17.1	224.1	70.4	38.5	16.4	210.5	76.0	36.2	15.1	196.2	82.1	33.8	14.4
	6	257.1	61.3	44.2	18.1	244.5	66.0	42.1	17.4	231.2	71.3	39.8	16.8	217.2	77.0	37.4	15.4	202.5	83.1	34.8	14.7
	7	265.1	62.0	45.6	18.5	252.1	66.8	43.4	17.8	238.4	72.1	41.0	17.1	224.0	77.9	38.5	15.7	208.8	84.1	35.9	15.0
	8	273.0	62.9	47.0	18.8	259.6	67.7	44.7	18.1	245.5	73.1	42.2	17.4	230.7	78.9	39.7	16.0	215.0	85.2	37.0	15.3
	9	281.0	63.6	48.3	19.2	267.2	68.5	46.0	18.5	252.7	73.9	43.5	17.8	237.4	79.9	40.8	16.4	221.3	86.2	38.1	15.6
	10	291.6	64.5	50.2	19.6	277.3	69.4	47.7	18.9	262.2	74.9	45.1	18.1	246.3	80.9	42.4	16.7	229.6	87.4	39.5	16.0
TAU1W2X 100	5	238.0	58.6	40.9	15.9	230.5	65.4	39.6	15.3	222.3	71.9	38.2	14.7	213.6	78.1	36.7	13.5	204.2	84.5	35.1	12.9
	6	245.6	59.3	42.3	16.2	237.8	66.2	40.9	15.6	229.4	72.8	39.5	15.0	220.4	79.1	37.9	13.8	210.7	85.5	36.2	13.2
	7	253.2	60.0	43.6	16.5	245.2	67.0	42.2	15.9	236.5	73.6	40.7	15.3	227.2	80.1	39.1	14.1	217.2	86.6	37.4	13.5
	8	260.8	60.8	44.9	16.9	252.5	67.9	43.4	16.2	243.6	74.6	41.9	15.6	234.1	81.1	40.3	14.4	223.8	87.7	38.5	13.7
	9	268.4	61.5	46.2	17.2	259.9	68.7	44.7	16.5	250.7	75.5	43.1	15.9	240.9	82.1	41.4	14.6	230.3	88.7	39.6	14.0
	10	278.6	62.4	47.9	17.5	269.7	69.6	46.4	16.9	260.2	76.5	44.7	16.2	250.0	83.2	43.0	14.9	239.0	89.9	41.1	14.3
TAU1W2X 110	5	266.7	65.8	45.9	29.5	258.0	73.2	44.4	28.5	248.8	80.3	42.8	27.4	238.9	87.2	41.1	25.2	228.3	94.1	39.3	24.1
	6	275.2	66.6	47.3	30.2	266.3	74.1	45.8	29.0	256.8	81.3	44.2	27.9	246.6	88.3	42.4	25.7	235.6	95.3	40.5	24.6
	7	283.7	67.4	48.8	30.8	274.5	75.0	47.2	29.6	264.7	82.3	45.5	28.5	254.2	89.3	43.7	26.2	242.9	96.4	41.8	25.1
	8	292.2	68.3	50.3	31.4	282.8	76.0	48.6	30.2	272.7	83.3	46.9	29.1	261.8	90.5	45.0	26.7	250.2	97.7	43.0	25.6
	9	300.7	69.1	51.7	32.0	291.0	76.9	50.1	30.8	280.6	84.3	48.3	29.6	269.5	91.6	46.3	27.3	257.5	98.9	44.3	26.1
	10	312.1	70.0	53.7	32.6	302.0	77.9	51.9	31.4	291.2	85.5	50.1	30.2	279.6	92.8	48.1	27.8	267.2	100.2	46.0	26.6
TAU1W2X 120	5	295.3	73.0	50.8	51.8	285.6	81.0	49.1	49.9	275.3	88.7	47.4	48.0	264.3	96.2	45.5	44.2	252.4	103.8	43.4	42.2
	6	304.7	73.9	52.4	52.9	294.8	82.0	50.7	51.0	284.1	89.8	48.9	49.0	272.7	97.4	46.9	45.1	260.5	105.1	44.8	43.1
	7	314.1	74.8	54.0	54.0	303.9	83.0	52.3	52.0	292.9	90.9	50.4	50.0	281.2	98.5	48.4	46.0	268.5	106.3	46.2	44.0
	8	323.6	75.7	55.7	55.1	313.0	84.1	53.8	53.0	301.7	92.1	51.9	51.0	289.6	99.9	49.8	46.9	276.6	107.7	47.6	44.9
	9	333.0	76.6	57.3	56.2	322.1	85.1	55.4	54.1	310.5	93.1	53.4	52.0	298.0	101.0	51.3	47.8	284.7	109.0	49.0	45.8
	10	345.6	77.7	59.4	57.2	334.3	86.3	57.5	55.1	322.2	94.4	55.4	53.0	309.3	102.4	53.2	48.8	295.4	110.5	50.8	46.6
TAU1W2X 130	5	331.0	81.6	56.9	43.5	317.2	89.1	54.6	41.9	302.5	96.8	52.0	40.3	286.9	104.9	49.3	37.1	270.2	113.3	46.5	35.5
	6	341.5	82.6	58.7	44.5	327.3	90.2	56.3	42.8	312.2	98.0	53.7	41.2	296.0	106.1	50.9	37.9	278.8	114.7	48.0	36.2
	7	352.1	83.6	60.6	45.4	337.5	91.3	58.0	43.7	321.8	99.2	55.4	42.0	305.2	107.4	52.5	38.5	287.5	116.1	49.4	37.0
	8	362.7	84.7	62.4	46.3	347.6	92.5	59.8	44.6	331.5	100.5	57.0	42.8	314.3	108.8	54.1	39.4	296.1	117.6	50.9	37.7
	9	373.2	85.7	64.2	47.2	357.7	93.6	61.5	45.4	341.1	101.7	58.7	43.7	323.5	110.1	55.6	40.2	304.7	119.0	52.4	38.4
	10	387.3	86.8	66.6	48.1	371.2	94.8	63.8	46.3	354.0	103.1	60.9	44.5	335.7	111.6	57.7	41.0	316.2	120.7	54.4	39.2
TAU1W2X 140	5	366.7	90.2	63.1	43.5	348.8	97.2	60.0	41.9	329.7	104.9	56.7	40.3	309.4	113.5	53.2	37.1	288.0	122.9	49.5	35.5
	6	378.4	91.3	65.1	44.5	359.9	98.3	61.9	42.8	340.2	106.2	58.5	41.2	319.3	114.9	54.9	37.9	297.2	124.4	51.1	36.2
	7	390.1	92.4	67.1	45.4	371.0	99.5	63.8	43.7	350.7	107.5	60.3	42.0	329.2	116.3	56.6	38.6	306.4	125.9	52.7	37.0
	8	401.8	93.6	69.1	46.3	382.2	100.8	65.7	44.6	361.2	108.9	62.1	42.8	339.1	117.8	58.3	39.4	315.5	127.6	54.3	37.7
	9	413.5	94.7	71.1	47.2	393.3	102.0	67.6	45.4	371.8	110.2	63.9	43.7	349.0	119.2	60.0	40.2	324.7	129.1	55.9	38.4
	10	429.1	96.0	73.8	48.1	408.1	103.4	70.2	46.3	385.8	111.7	66.4	44.5	362.1	120.8	62.3	41.0	337.0	130.8	58.0	39.2
TAU1W2X 150	5	395.7	96.9	68.1	41.5	375.6	104.3	64.6	39.9	354.4	112.4	61.0	38.4	331.9	121.4	57.1	35.3	308.3	131.1	53.0	33.8
	6	408.4	98.1	70.2	42.3	387.6	105.6	66.7	40.8	365.7	113.8	62.9	39.2	342.5	122.9	58.9	36.1	318.1	132.8	54.7	34.5
	7	421.0	99.3	72.4	43.2	399.6	106.8	68.7	41.6	377.0	115.2	64.8	40.0	353.1	124.4	60.7	36.8	328.0	134.4	56.4	35.2
	8	433.6	100.6	74.6	44.1	411.6	108.2	70.8	42.4	388.3	116.7	66.8	40.8	363.7	126.0	62.6	37.5	337.8	136.1	58.1	35.9
	9	446.2	101.8	76.8	44.9	423.6	109.5	72.9	43.3	399.6	118.0	68.7	41.6	374.3	127.5	64.4	38.3	347.6	137.7	59.8	36.6
	10	463.1	103.1	79.6	45.8	439.5	111.0	75.6	44.1	414.7	119.7	71.3	42.4	388.4	129.2	66.8	39.0	360.8	139.6	62.1	37.3
TAU1W2X 160	5	424.8	103.6	73.1	49.8	402.5	111.4	69.2	47.9	379.0	119.9	65.2	45.1	354.4	129.3	61.0	42.4	328.6	139.4	56.5	40.6
	6	438.3	104.9	75.4	50.8	415.3	112.8	71.4	48.9	391.1	121.4	67.3	47.0	365.7	130.9	62.9	43.3	339.1	141.1	58.3	41.4
	7	451.9	106.2	77.7	51.8	428.2	114.1	73.6	49.9	403.2	122.8	69.4	48.0	377.0	132.5	64.9	44.2	349.6	142.8	60.1	42.2
	8	465.4	107.6	80.1	52.9	441.0	115.6	75.9	50.9	415.3	124.4	71.4	49.0	388.4	134.2	66.8	45.0	360.0	144.7	61.9	43.1
	9	479.0	108.8	82.4	53.9	453.8	117.0	78.1	51.9	427.4	125.9	73.5	49.9	399.7	135.8	68.7	45.9	370.5	146.4	63.7	43.9
	10	497.1	110.3	85.5	55.0	471.0	118.6	81.0	52.9	443.6	127.6	76.3	50.9	414.7	137.6	71.3	46.8	384.5	148.4	66.1	44.8
TAU1W2X 170	5	461.5	112.4	79.4	49.8	438.2	120.9	75.4	47.9	413.6	130.3	71.1	45.1	387.7	140.7	66.7	42.4	360.5	151.8	62.0	40.6
	6	476.3	113.7	81.9	50.8	452.2	122.4	77.8	48.9	426.8	131.9	73.4	47.0	400.1	142.4	68.8	43.3	372.0	153.6	64.0	41.4
	7	491.0	115.1	84.5	51.8	466.1	123.9	80.2	49.9	440.0	133.5	75.7	48.0	412.5	144.1	70.9	44.2	383.5	155.5	66.0	42.2
	8	505.7	116.6	87.0	52.9	480.1	125.5	82.6	50.9	453.2	135.3	77.9	49.0	424.8	146.0	73.1	45.0	395.0	157.5	67.9	43.1
	9	520.5	118.0	89.5	53.9	494.1	127.0	85.0	51.9	466.4	136.9	80.2	49.9	437.2	147.7	75.2	45.9	406.5	159.4	69.9	43.9
	10	540.1	119.6	92.9	55.0	512.8	128.7	88.2	52.9	484.0	138.8	83.2	50.9	453.7	149.8	78.0	46.8	421.9	161.6	72.6	44.8
TAU1W2X 180	5	498.3	121.1	85.7	62.2	473.9	130.5	81.5	59.9	448.1	140.8	77.1	57.6	421.0	152.1	72.4	53.0	392.5	164.1	67.5	50.7
	6	514.2	122.6	88.4	63.5	489.0	132.1	84.1	61.2	462.4	142.5	79.5	58.8	434.5	153.9	74.7	54.1	405.0	166.2	69.7	51.7
	7	530.1	124.1	91.2	64.8	504.1	133.7	86.7	62.4	476.7	144.3	82.0	60.0	447.9	155.8	77.0	55.2	417.5	168.2	71.8	52.8
	8	546.0	125.7	93.9	66.1	519.2	135.4	89.3	63.6	491.0	146.1	84.5	61.2	461.3	157.8	79.3	56.3	430.0	170.4	74.0	53.9
	9	561.9	127.2	96.7	67.4	534.4	137.0	91.9	64.9	505.3	147.9	86.9	62.4	474.8	159.7	81.7	57.4	442.6	172.4	76.1	54.9
	10	583.2	128.9	100.3	68.7	554.5	138.9	95.4	66.1	524.4	149.9	90.2	63.6	492.7	161.9	84.7	58.5	459.3	174.7	79.0	56.0

Refrigerant: R22
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Packaged Air Cooled Screw Chiller Performance data / R407C / Micro-Channel Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	PI (kw)	WFR (m3/h)	WPD (kpa)
TAU1P1X 050	5	113.6	30.6	19.5	13.5	108.9	33.7	18.7	13.0	103.8	36.8	17.8	12.5	98.2	39.8	16.9	11.5	92.1	43.0	15.8	11.0
	6	117.2	31.0	20.2	13.8	112.4	34.2	19.3	13.2	107.1	37.2	18.4	12.7	101.3	40.3	17.4	11.7	95.0	43.5	16.3	11.2
	7	120.9	31.4	20.8	14.0	115.8	34.6	19.9	13.5	110.4	37.7	19.0	13.0	104.5	40.8	18.0	12.0	98.0	44.1	16.9	11.4
	8	124.5	31.8	21.4	14.3	119.3	35.0	20.5	13.8	113.7	38.2	19.6	13.3	107.6	41.3	18.5	12.2	100.9	44.6	17.4	11.7
	9	128.1	32.2	22.0	14.6	122.8	35.4	21.1	14.1	117.0	38.6	20.1	13.5	110.7	41.8	19.0	12.4	103.9	45.2	17.9	11.9
	10	132.9	32.6	22.9	14.9	127.4	35.9	21.9	14.3	121.4	39.2	20.9	13.8	114.9	42.4	19.8	12.7	107.8	45.8	18.5	12.1
TAU1P1X 060	5	141.9	37.4	24.4	20.7	136.0	41.1	23.4	20.0	129.7	44.7	22.3	19.2	122.8	48.4	21.1	17.7	115.3	52.2	19.8	16.9
	6	146.5	37.9	25.2	21.2	140.4	41.6	24.1	20.4	133.8	45.3	23.0	19.6	126.7	48.9	21.8	18.0	119.0	52.8	20.5	17.2
	7	151.0	38.3	26.0	21.6	144.7	42.1	24.9	20.8	138.0	45.8	23.7	20.0	130.6	49.5	22.5	18.4	122.6	53.4	21.1	17.6
	8	155.5	38.8	26.8	22.0	149.1	42.6	25.6	21.2	142.1	46.4	24.4	20.4	134.5	50.2	23.1	18.8	126.3	54.1	21.7	18.0
	9	160.1	39.3	27.5	22.5	153.4	43.2	26.4	21.6	146.2	47.0	25.2	20.8	138.5	50.8	23.8	19.1	130.0	54.8	22.4	18.3
	10	166.1	39.8	28.6	22.9	159.2	43.7	27.4	22.0	151.8	47.6	26.1	21.2	143.7	51.5	24.7	19.5	134.9	55.5	23.2	18.7
TAU1P1X 070	5	163.6	43.0	28.1	27.0	156.8	47.1	27.0	26.0	149.4	51.2	25.7	25.0	141.4	55.2	24.3	23.0	132.8	59.5	22.8	22.0
	6	168.8	43.5	29.0	27.5	161.8	47.7	27.8	26.5	154.1	51.8	26.5	25.5	145.9	55.9	25.1	23.4	137.1	60.2	23.6	22.4
	7	174.1	44.1	29.9	28.1	166.8	48.3	28.7	27.0	158.9	52.4	27.3	26.0	150.5	56.6	25.9	23.9	141.3	60.9	24.3	22.9
	8	179.3	44.6	30.8	28.6	171.8	48.9	29.5	27.6	163.7	53.1	28.2	26.5	155.0	57.3	26.7	24.4	145.5	61.7	25.0	23.3
	9	184.5	45.2	31.7	29.2	176.8	49.5	30.4	28.1	168.4	53.7	29.0	27.0	159.5	58.0	27.4	24.9	149.8	62.5	25.8	23.8
	10	191.5	45.8	32.9	29.8	183.4	50.2	31.6	28.7	174.8	54.5	30.1	27.6	165.5	58.8	28.5	25.4	155.4	63.3	26.7	24.3
TAU1P1X 080	5	184.7	49.3	31.8	24.9	176.8	53.9	30.4	24.0	168.3	58.4	29.0	23.0	159.3	62.9	27.4	21.2	149.5	67.6	25.7	20.3
	6	190.5	50.0	32.8	25.4	182.4	54.6	31.4	24.5	173.7	59.1	29.9	23.5	164.3	63.7	28.3	21.6	154.2	68.5	26.5	20.7
	7	196.4	50.6	33.8	25.9	188.1	55.3	32.3	25.0	179.1	59.9	30.8	24.0	169.4	64.5	29.1	22.1	159.0	69.3	27.3	21.1
	8	202.3	51.2	34.8	26.4	193.7	56.0	33.3	25.5	184.5	60.6	31.7	24.5	174.5	65.3	30.0	22.5	163.8	70.2	28.2	21.5
	9	208.2	51.8	35.8	27.0	199.4	56.6	34.3	26.0	189.8	61.4	32.7	25.0	179.6	66.1	30.9	23.0	168.6	71.0	29.0	22.0
	10	216.1	52.5	37.2	27.5	206.9	57.4	35.6	26.5	197.0	62.2	33.9	25.4	186.4	67.0	32.1	23.4	174.9	72.0	30.1	22.4
TAU1P1X 090	5	212.3	57.6	36.5	25.9	203.1	62.8	34.9	25.0	193.3	67.9	33.2	24.0	182.7	73.1	31.4	22.1	171.4	78.5	29.5	21.1
	6	219.1	58.3	37.7	26.5	209.6	63.5	36.1	25.5	199.5	68.7	34.3	24.5	188.6	74.0	32.4	22.5	176.9	79.5	30.4	21.6
	7	225.9	59.0	38.9	27.0	216.1	64.3	37.2	26.0	205.6	69.6	35.4	25.0	194.4	74.9	33.4	23.0	182.4	80.5	31.4	22.0
	8	232.7	59.8	40.0	27.5	222.6	65.2	38.3	26.5	211.8	70.5	36.4	25.5	200.2	75.9	34.4	23.5	187.8	81.5	32.3	22.4
	9	239.4	60.5	41.2	28.1	229.1	65.9	39.4	27.0	218.0	71.3	37.5	26.0	206.1	76.8	35.4	23.9	193.3	82.5	33.2	22.9
	10	248.5	61.3	42.7	28.6	237.7	66.8	40.9	27.6	226.2	72.3	38.9	26.5	213.9	77.8	36.8	24.4	200.6	83.6	34.5	23.3
TAU1P2X 100	5	227.2	61.3	39.1	36.3	217.8	67.5	37.5	34.9	207.5	73.6	35.7	33.6	196.4	79.7	33.8	30.9	184.2	86.0	31.7	29.6
	6	234.5	62.0	40.3	37.0	224.7	68.3	38.7	35.7	214.2	74.5	36.8	34.3	202.6	80.6	34.9	31.6	190.1	87.1	32.7	30.2
	7	241.7	62.8	41.6	37.8	231.7	69.1	39.8	36.4	220.8	75.4	38.0	35.0	208.9	81.6	35.9	32.2	196.0	88.1	33.7	30.8
	8	249.0	63.6	42.8	38.6	238.6	70.0	41.0	37.1	227.4	76.4	39.1	35.7	215.2	82.7	37.0	32.8	201.8	89.3	34.7	31.4
	9	256.2	64.3	44.1	39.3	245.6	70.9	42.2	37.9	234.0	77.3	40.3	36.4	221.4	83.7	38.1	33.5	207.7	90.3	35.7	32.0
	10	265.9	65.2	45.7	40.1	254.8	71.8	43.8	38.6	242.9	78.3	41.8	37.1	229.8	84.8	39.5	34.1	215.6	91.6	37.1	32.6
TAU1P2X 110	5	255.5	68.0	44.0	45.6	244.9	74.8	42.1	43.9	233.5	81.5	40.2	42.2	221.0	88.2	38.0	38.9	207.4	95.2	35.7	37.2
	6	263.7	68.9	45.4	46.6	252.8	75.8	43.5	44.8	240.9	82.5	41.4	43.1	228.0	89.3	39.2	39.7	214.0	96.3	36.8	37.9
	7	271.9	69.7	46.8	47.5	260.6	76.7	44.8	45.8	248.4	83.5	42.7	44.0	235.1	90.4	40.4	40.5	220.6	97.5	37.9	38.7
	8	280.0	70.6	48.2	48.5	268.4	77.7	46.2	46.7	255.8	84.6	44.0	44.9	242.1	91.5	41.6	41.3	227.2	98.8	39.1	39.5
	9	288.2	71.4	49.6	49.4	276.2	78.6	47.5	47.6	263.3	85.6	45.3	45.8	249.2	92.6	42.9	42.1	233.8	99.9	40.2	40.3
	10	299.0	72.4	51.4	50.4	286.6	79.7	49.3	48.5	273.2	86.8	47.0	46.6	258.6	93.9	44.5	42.9	242.7	101.3	41.7	41.0
TAU1P2X 120	5	283.9	74.8	48.8	42.5	272.1	82.2	46.8	40.9	259.4	89.4	44.6	39.4	245.6	96.7	42.2	36.2	230.5	104.3	39.7	34.6
	6	292.9	75.7	50.4	43.4	280.8	83.2	48.3	41.8	267.7	90.5	46.0	40.2	253.4	97.9	43.6	37.0	237.9	106.6	40.9	35.4
	7	302.0	76.6	51.9	44.3	289.5	84.2	49.8	42.6	275.9	91.6	47.5	41.0	261.2	99.1	44.9	37.7	245.3	106.9	42.2	36.1
	8	311.1	77.6	53.5	45.2	298.1	85.3	51.3	43.5	284.2	92.8	48.9	41.8	269.1	100.4	46.3	38.5	252.6	108.3	43.5	36.8
	9	320.1	78.5	55.1	46.1	306.8	86.3	52.8	44.3	292.5	93.9	50.3	42.6	276.9	101.6	47.6	39.2	260.0	109.5	44.7	37.5
	10	332.2	79.6	57.1	46.9	318.4	87.5	54.8	45.2	303.5	95.2	52.2	43.5	287.4	103.0	49.4	40.0	269.8	111.0	46.4	38.2
TAU1P2X 130	5	305.6	80.4	52.6	67.4	292.8	88.2	50.4	64.9	279.1	96.9	48.0	62.4	264.2	103.6	45.4	57.4	248.1	111.6	42.7	54.9
	6	315.3	81.4	54.2	68.8	302.1	89.3	52.0	66.2	288.0	97.1	49.5	63.7	272.6	104.9	46.9	58.6	256.0	113.0	44.0	56.1
	7	325.1	82.4	55.9	70.2	311.5	90.4	53.6	67.6	296.9	98.3	51.1	65.0	281.1	106.1	48.3	59.8	263.9	114.4	45.4	57.2
	8	334.8	83.4	57.6	71.6	320.8	91.6	55.2	69.0	305.8	99.5	52.6	66.3	289.5	107.5	49.8	61.0	271.9	115.9	46.8	58.3
	9	344.6	84.4	59.3	73.0	330.2	92.7	56.8	70.3	314.7	100.7	54.1	67.6	297.9	108.8	51.2	62.2	279.8	117.2	48.1	59.5
	10	357.6	86.6	61.5	74.4	342.6	93.9	58.9	71.7	326.6	102.1	56.2	68.9	309.2	110.3	53.2	63.4	290.3	118.8	49.9	60.6
TAU1P2X 140	5	327.2	86.0	56.3	40.4	313.5	94.3	53.9	38.9	298.8	102.4	51.4	37.4	282.8	110.5	48.6	34.4	265.7	119.0	45.7	32.9
	6	337.7	87.1	58.1	41.3	323.5	95.4	55.6	39.7	308.3	103.6	53.0	38.2	291.9	111.8	50.2	35.2	274.1	120.4	47.2	33.6
	7	348.1	88.1	59.9	42.1	333.5	96.6	57.4	40.6	317.8	104.9	54.7	39.0	300.9	113.2	51.8	35.9	282.6	121.9	48.6	34.3
	8	358.6	89.3	61.7	43.0	343.5	97.9	59.1	41.4	327.4	106.2	56.3	39.8	309.9	114.7	53.3	36.6	291.1	123.5	50.1	35.0
	9	369.0	90.3	63.5	43.8	353.5	99.0	60.8	42.2	336.9	107.5	57.9	40.6	319.0	116.0	54.9	37.3	299.6	124.9	51.5	35.7
	10	382.9	91.6	65.9	44.6	366.9	100.4	63.1	43.0	349.6	109.0	60.1	41.3	331.0	117.6	56.9	38.0	310.9	126.6	53.5	36.4
TAU1P2X 150	5	348.3	92.4	59.9	43.5	333.5	101.1	57.4	41.9	317.7	109.6	54.6	40.3	300.7	118.2	51.7	37.1	282.3	127.1	48.6	35.5
	6	359.4	93.5	61.8	44.5	344.2	102.3	59.2	42.8	327.9	111.0	56.4	41.2	310.3	119.6	53.4	37.9	291.3	128.7	50.1	36.2
	7	370.5	94.6	63.7	45.4	354.8	103.6	61.0	43.7	338.0	112.3	58.1	42.0	319.9	121.1	55.0	38.6	300.3	130.3	51.7	37.0
	8	381.6	95.9	65.6	46.3	365.5	104.9	62.9	44.6	348.1	113.8	59.9	42.8	329.5	122.6	56.7	39.4	309.3	131.9	53.2	37.7
	9	392.7	97.0	67.5	47.2	376.1	106.2	64.7	45.4	358.3	115.1	61.6	43.7	339.1	124.1	58.3	40.2	318.3	133.5	54.8	38.4
	10	407.6	98.3	70.1	48.1	390.3	107.6	67.1	46.3	371.8	116.7	63.9	44.5	351.9	125.8	60.5	41.0	330.4	135.3	56.8	39.2
TAU1P2X 160	5	369.3	98.7	63.5	49.8	353.6	107.9	60.8	47.9	336.7	116.8	57.9	46.1	318.5	125.8	54.8	42.4	299.9	135.3	51.4	40.6
	6	381.1	99.9	65.5	50.8	364.9	109.2	62.8	48.9	347.4	118.3	59.8	47.0	328.7	127.4	56.5	43.3	308.5	137.0	53.1	41.4
	7	392.9	101.1	67.6	51.8	376.2	110.5	64.7	49.9	358.2	119.7	61.6	48.0	338.8	128.9	58.3	44.2	318.0	138.6	54.7	42.2
	8	404.7	102.4	69.6	52.9	387.4	112.0	66.6	50.9	368.9	121.3	63.5	49.0	349.0	130.6	60.0	45.0	327.6	140.4	56.3	43.1
	9	416.5	103.6	71.6	53.9	398.7	113.3	68.6	51.9	379.7	122.7	65.3	49.9	359.2	132.2	61.8	45.9	337.1	142.1	58.0	43.9
	10	432.2	105.1	74.3	55.0	413.8	114.8	71.2	52.9	394.0	124.4	67.8	50.9	372.7	134.0	64.1	46.8	349.8	144.0	60.2	44.8
TAU1P2X 170	5	397.0	106.9	68.3	51.8	379.9	116.7	65.3	49.9	361.6	126.3	62.2	48.0	342.0	136.0	58.8	44.2	320.9	146.2	55.2	42.2
	6	409.7	108.2	70.5	52.9	392.0	118.2	67.4	51.0	373.2	127.9	64.2	49.0	352.9	137.7	60.7	45.1	331.1	148.0	57.0	43.1
	7	422.3	109.5	72.6	54.0	404.2	119.6	69.5	52.0	384.7	129.4	66.2	50.0	363.8	139.4	62.6	46.0	341.4	149.8	58.7	44.0
	8	435.0	111.0	74.8	55.1	416.3	121.1	71.6	53.0	396.3	131.1	68.2	51.0	374.7	141.2	64.5	46.9	351.6	151.7	60.5	44.9
	9	447.7	112.3	77.0	56.2	428.4	122.6	73.7	54.1	407.8	132.7	70.1	52.0	385.7	142.8	66.3	47.8	361.9	153.5	62.2	45.8
	10	464.6	113.8	79.9	57.2	444.6	124.3	76.5	55.1	423.2	134.5	72.8	53.0	400.2	144.8	68.8	48.8	375.5	155.6	64.6	46.6
TAU1P2X 180	5	424.7	115.1	73.0	58.1	406.2	125.6	69.9	55.9	386.6	135.8	66.5	53.8	365.5	146.2	62.9	49.5	342.9	157.0	59.0	47.3
	6	438.2	116.6	75.4	59.3	419.2	127.1	72.1	57.1	398.9	137.5	68.6	54.9	377.2	148.0	64.9	50.5	353.8	159.0	60.9	48.3
	7	451.8	118.0	77.7	60.5	432.2	128.6	74.3	58.2	411.3	139.2	70.7	56.0	388.8	149.8	66.9	51.5	364.7	160.9	62.7	49.3
	8	465.3	119.5	80.0	61.7	445.1	130.3	76.6	59.4	423.6	141.0	72.9	57.1	400.5	151.7	68.9	52.6	375.7	163.0	64.6	50.3
	9	478.9	120.9	82.4	62.9	458.1	131.9	78.8	60.6	436.0	142.6	75.0	58.2	412.1	153.5	70.9	53.6	386.6	164.9	66.5	51.3
	10	496.9	122.6	85.5	64.1	475.4	133.7	81.8	61.7	452.4	144.6	77.8	59.4	427.7	155.6	73.6	54.6	401.2	167.2	69.0	52.2

Refrigerant: R407C
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Packaged Air Cooled Screw Chiller Performance data / R134a-Non Tropical / Micro-Channel Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TAU1S1X 050	5	115.5	27.1	19.9	8.3	110.9	30.1	19.1	8.0	106.0	33.0	18.2	7.7	100.7	35.9	17.3	7.1	94.9	38.8	16.3	6.8
	6	120.5	27.4	20.7	8.5	115.7	30.4	19.9	8.2	110.6	33.4	19.0	7.8	105.0	36.2	18.1	7.2	99.0	39.2	17.0	6.9
	7	125.5	27.7	21.6	8.6	120.6	30.8	20.7	8.3	115.2	33.7	19.8	8.0	109.4	36.6	18.8	7.4	103.2	39.5	17.7	7.0
	8	130.6	28.0	22.5	8.8	125.4	31.1	21.6	8.5	119.8	34.1	20.6	8.2	113.8	37.0	19.6	7.5	107.3	40.0	18.5	7.2
	9	135.6	28.3	23.3	9.0	130.2	31.4	22.4	8.7	124.4	34.4	21.4	8.3	118.2	37.4	20.3	7.7	111.4	40.4	19.2	7.3
	10	140.6	28.6	24.2	9.2	135.0	31.8	23.2	8.8	129.0	34.8	22.2	8.5	122.5	37.8	21.1	7.8	115.5	40.9	19.9	7.5
TAU1S1X 060	5	135.1	31.3	23.2	10.4	129.6	34.6	22.3	10.0	123.7	37.9	21.3	9.6	117.4	41.0	20.2	8.8	110.6	44.3	19.0	8.4
	6	140.9	31.6	24.2	10.6	135.2	35.0	23.3	10.2	129.1	38.2	22.2	9.8	122.5	41.5	21.1	9.0	115.4	44.8	19.9	8.6
	7	146.8	31.9	25.3	10.8	140.9	35.3	24.2	10.4	134.5	38.6	23.1	10.0	127.6	41.9	22.0	9.2	120.3	45.2	20.7	8.8
	8	152.7	32.3	26.3	11.0	146.5	35.7	25.2	10.6	139.9	39.0	24.1	10.2	132.7	42.3	22.8	9.4	125.1	45.7	21.5	9.0
	9	158.6	32.6	27.3	11.2	152.1	36.1	26.2	10.8	145.2	39.5	25.0	10.4	137.8	42.8	23.7	9.6	129.9	46.2	22.3	9.2
	10	164.4	33.0	28.3	11.4	157.8	36.5	27.1	11.0	150.6	39.9	25.9	10.6	142.9	43.3	24.6	9.8	134.7	46.8	23.2	9.3
TAU1S1X 070	5	154.3	35.6	26.5	13.5	148.0	39.3	25.4	13.0	141.1	42.9	24.3	12.5	133.9	46.5	23.0	11.5	126.0	50.2	21.7	11.0
	6	161.0	36.0	27.7	13.8	154.4	39.7	26.6	13.2	147.3	43.4	25.3	12.7	139.7	47.0	24.0	11.7	131.5	50.7	22.6	11.2
	7	167.7	36.3	28.9	14.0	160.8	40.1	27.7	13.5	153.4	43.8	26.4	13.0	145.5	47.5	25.0	12.0	137.0	51.2	23.6	11.4
	8	174.4	36.7	30.0	14.3	167.3	40.6	28.8	13.8	159.6	44.3	27.4	13.3	151.3	48.0	26.0	12.2	142.4	51.8	24.5	11.7
	9	181.2	37.1	31.2	14.6	173.7	41.0	29.9	14.1	165.7	44.8	28.5	13.5	157.1	48.5	27.0	12.4	147.9	52.3	25.4	11.9
	10	187.9	37.6	32.3	14.9	180.1	41.5	31.0	14.3	171.8	45.3	29.6	13.8	162.9	49.1	28.0	12.7	153.4	52.9	26.4	12.1
TAU1S1X 080	5	189.5	44.1	32.6	15.6	181.4	48.5	31.2	15.0	172.8	52.7	29.7	14.4	163.6	56.9	28.1	13.2	153.7	61.3	26.4	12.7
	6	197.8	44.6	34.0	15.9	189.3	49.0	32.6	15.3	180.3	53.2	31.0	14.7	170.7	57.5	29.4	13.5	160.4	61.9	27.6	12.9
	7	206.0	45.0	35.4	16.2	197.2	49.5	33.9	15.6	187.8	53.8	32.3	15.0	177.8	58.1	30.6	13.8	167.1	62.6	28.7	13.2
	8	214.2	45.5	36.8	16.5	205.0	50.0	35.3	15.9	195.3	54.4	33.6	15.3	184.9	58.7	31.8	14.1	173.8	63.2	29.9	13.5
	9	222.5	46.0	38.3	16.8	212.9	50.5	36.6	16.2	202.8	55.0	34.9	15.6	192.0	59.3	33.0	14.4	180.5	63.9	31.0	13.7
	10	230.7	46.6	39.7	17.2	220.8	51.1	38.0	16.5	210.3	55.6	36.2	15.9	199.1	60.0	34.2	14.6	187.1	64.7	32.2	14.0
TAU1S1X 090	5	215.4	51.2	37.1	15.6	206.0	56.0	35.4	15.0	196.0	60.6	33.7	14.4	185.3	65.3	31.9	13.2	173.9	70.3	29.9	12.7
	6	224.8	51.7	38.7	15.9	214.9	56.6	37.0	15.3	204.5	61.2	35.2	14.7	193.4	66.0	33.3	13.5	181.5	71.0	31.2	12.9
	7	234.2	52.3	40.3	16.2	223.9	57.1	38.5	15.6	213.0	61.9	36.6	15.0	201.4	66.7	34.6	13.8	189.1	71.7	32.5	13.2
	8	243.5	52.8	41.9	16.5	232.8	57.8	40.0	15.9	221.5	62.5	38.1	15.3	209.5	67.4	36.0	14.1	196.6	72.5	33.8	13.5
	9	252.9	53.4	43.5	16.8	241.8	58.4	41.6	16.2	230.0	63.2	39.6	15.6	217.5	68.1	37.4	14.4	204.2	73.3	35.1	13.7
	10	262.3	54.0	45.1	17.2	250.8	59.1	43.1	16.5	238.6	64.0	41.0	15.9	225.6	68.9	38.8	14.6	211.8	74.1	36.4	14.0
TAU1S2X 100	5	231.0	54.3	39.7	21.8	221.8	60.3	38.2	21.0	211.9	66.0	36.5	20.2	201.3	71.7	34.6	18.5	189.8	77.5	32.6	17.7
	6	241.0	54.8	41.5	22.2	231.5	60.9	39.8	21.4	221.2	66.7	38.0	20.6	210.1	72.4	36.1	18.9	198.0	78.3	34.1	18.1
	7	251.1	55.4	43.2	22.7	241.1	61.5	41.5	21.8	230.4	67.4	39.6	21.0	218.8	73.2	37.6	19.3	206.3	79.1	35.5	18.5
	8	261.1	56.0	44.9	23.1	250.8	62.2	43.1	22.3	239.6	68.1	41.2	21.4	227.6	74.0	39.1	19.7	214.6	80.0	36.9	18.8
	9	271.2	56.6	46.6	23.6	260.4	62.9	44.8	22.7	248.8	68.9	42.8	21.8	236.3	74.8	40.6	20.1	222.8	80.8	38.3	19.2
	10	281.2	57.3	48.4	24.0	270.1	63.6	46.4	23.2	258.0	69.7	44.4	22.3	245.1	75.7	42.2	20.5	231.1	81.8	39.7	19.6
TAU1S2X 110	5	250.6	58.4	43.1	24.9	240.5	64.7	41.4	24.0	229.7	70.9	39.5	23.0	218.1	76.9	37.5	21.2	205.5	83.1	35.4	20.3
	6	261.5	59.0	45.0	25.4	251.0	65.4	43.2	24.5	239.7	71.6	41.2	23.5	227.6	77.7	39.1	21.6	214.5	83.9	36.9	20.7
	7	272.4	59.6	46.8	25.9	261.4	66.1	45.0	25.0	249.7	72.3	42.9	24.0	237.0	78.5	40.8	22.1	223.4	84.8	38.4	21.1
	8	283.2	60.2	48.7	26.4	271.9	66.8	46.8	25.5	259.7	73.1	44.7	24.5	246.5	79.3	42.4	22.5	232.3	85.7	40.0	21.5
	9	294.1	60.9	50.6	27.0	282.3	67.5	48.6	26.0	269.6	73.9	46.4	25.0	256.0	80.2	44.0	23.0	241.3	86.6	41.5	22.0
	10	305.0	61.6	52.5	27.5	292.8	68.3	50.4	26.5	279.6	74.8	48.1	25.4	265.5	81.1	45.7	23.4	250.2	87.6	43.0	22.4
TAU1S2X 120	5	270.1	62.5	46.5	29.0	259.2	69.2	44.6	28.0	247.4	75.7	42.6	26.9	234.8	82.1	40.4	24.7	221.3	88.6	38.1	23.7
	6	281.9	63.2	48.5	29.6	270.4	69.9	46.5	28.5	258.2	76.5	44.4	27.4	245.0	82.9	42.1	25.2	230.9	89.5	39.7	24.1
	7	293.6	63.8	50.5	30.2	281.7	70.6	48.5	29.1	269.0	77.2	46.3	28.0	255.3	83.7	43.9	25.8	240.5	90.4	41.4	24.6
	8	305.4	64.5	52.5	30.8	293.0	71.4	50.4	29.7	279.7	78.1	48.1	28.6	265.5	84.7	45.7	26.3	250.1	91.4	43.0	25.1
	9	317.1	65.2	54.5	31.4	304.2	72.2	52.3	30.3	290.5	78.9	50.0	29.1	275.7	85.6	47.4	26.8	259.8	92.4	44.7	25.6
	10	328.9	66.0	56.6	32.1	315.5	73.0	54.3	30.9	301.2	79.9	51.8	29.7	285.9	86.6	49.2	27.3	269.4	93.5	46.3	26.1
TAU1S2X 130	5	289.4	66.9	49.8	41.5	277.5	73.9	47.7	39.9	264.9	80.8	45.6	38.4	251.3	87.5	43.2	35.3	236.6	94.5	40.7	33.8
	6	302.0	67.5	51.9	42.3	289.6	74.7	49.8	40.8	276.4	81.6	47.5	39.2	262.2	88.4	45.1	36.1	246.9	95.5	42.5	34.5
	7	314.6	68.2	54.1	43.2	301.7	75.5	51.9	41.6	287.9	82.4	49.5	40.0	273.1	89.3	47.0	36.8	257.2	96.4	44.2	35.2
	8	327.1	69.0	56.3	44.1	313.7	76.3	54.0	42.4	299.4	83.3	51.5	40.8	284.0	90.3	48.9	37.5	267.5	97.5	46.0	35.9
	9	339.7	69.7	58.4	44.9	325.8	77.1	56.0	43.3	310.9	84.2	53.5	41.6	295.0	91.3	50.7	38.3	277.8	98.5	47.8	36.6
	10	352.3	70.5	60.6	45.8	337.9	78.0	58.1	44.1	322.4	85.2	55.5	42.4	305.9	92.4	52.6	39.0	288.1	99.7	49.6	37.3
TAU1S2X 140	5	308.6	71.2	53.1	47.7	295.9	78.7	50.9	45.9	282.3	85.9	48.6	44.2	267.7	93.0	46.0	40.6	252.0	100.4	43.3	38.9
	6	322.1	71.9	55.4	48.7	308.8	79.5	53.1	46.9	294.6	86.7	50.7	45.1	279.3	94.0	48.0	41.5	263.0	101.4	45.2	39.7
	7	335.5	72.6	57.7	49.7	321.6	80.3	55.3	47.8	306.8	87.6	52.8	46.0	291.0	94.9	50.0	42.3	273.9	102.4	47.1	40.5
	8	348.9	73.4	60.0	50.7	334.5	81.2	57.5	48.8	319.1	88.6	54.9	46.9	302.6	96.0	52.1	43.2	284.9	103.5	49.0	41.3
	9	362.3	74.2	62.3	51.7	347.4	82.0	59.7	49.8	331.4	89.5	57.0	47.8	314.3	97.0	54.1	44.0	295.8	104.7	50.9	42.1
	10	375.7	75.1	64.6	52.7	360.2	83.0	62.0	50.7	343.7	90.6	59.1	48.8	325.9	98.1	56.1	44.9	306.8	105.9	52.8	42.9
TAU1S2X 150	5	343.8	79.7	59.1	33.2	329.3	87.8	56.6	31.9	313.9	95.6	54.0	30.7	297.4	103.4	51.2	28.3	279.7	111.5	48.1	27.0
	6	358.8	80.5	61.7	33.9	343.7	88.7	59.1	32.6	327.6	96.6	56.3	31.4	310.3	104.5	53.4	28.9	291.9	112.6	50.2	27.6
	7	373.7	81.4	64.3	34.6	358.0	89.6	61.6	33.3	341.2	97.6	58.7	32.0	323.3	105.5	55.6	29.4	304.1	113.8	52.3	28.2
	8	388.7	82.3	66.9	35.3	372.3	90.6	64.0	33.9	354.9	98.7	61.0	32.6	336.2	106.7	57.8	30.0	316.2	115.0	54.4	28.7
	9	403.6	83.2	69.4	35.9	386.6	91.6	66.5	34.6	368.5	99.7	63.4	33.3	349.1	107.8	60.1	30.6	328.4	116.3	56.5	29.3
	10	418.6	84.1	72.0	36.6	400.9	92.6	69.0	35.3	382.2	100.9	65.7	33.9	362.1	109.1	62.3	31.2	340.5	117.6	58.6	29.8
TAU1S2X 160	5	379.0	88.3	65.2	40.4	362.8	96.9	62.4	38.9	345.6	105.4	59.4	37.4	327.1	113.8	56.3	34.4	307.4	122.6	52.9	32.9
	6	395.5	89.2	68.0	41.3	378.5	97.9	65.1	39.7	360.6	106.5	62.0	38.2	341.4	115.0	58.7	35.2	320.8	123.9	55.2	33.6
	7	412.0	90.1	70.9	42.1	394.3	98.9	67.8	40.6	375.6	107.5	64.6	39.0	355.6	116.1	61.2	35.9	334.2	125.1	57.5	34.3
	8	428.5	91.1	73.7	43.0	410.1	100.0	70.5	41.4	390.6	108.7	67.2	39.8	369.8	117.4	63.6	36.6	347.5	126.5	59.8	35.0
	9	444.9	92.1	76.5	43.8	425.9	101.1	73.2	42.2	405.6	109.9	69.8	40.6	384.0	118.7	66.1	37.3	360.9	127.9	62.1	35.7
	10	461.4	93.1	79.4	44.6	441.6	102.3	76.0	43.0	420.7	111.2	72.4	41.3	398.2	120.1	68.5	38.0	374.3	129.4	64.4	36.4
TAU1S2X 170	5	404.9	95.4	69.7	51.8	387.4	104.5	66.6	49.9	368.7	113.3	63.4	48.0	348.9	122.2	60.0	44.2	327.7	131.6	56.4	42.2
	6	422.6	96.3	72.7	52.9	404.2	105.5	69.5	51.0	384.8	114.5	66.2	49.0	364.0	123.5	62.6	45.1	341.9	132.9	58.8	43.1
	7	440.2	97.3	75.7	54.0	421.1	106.6	72.4	52.0	400.8	115.6	68.9	50.0	379.2	124.7	65.2	46.0	356.2	134.3	61.3	44.0
	8	457.8	98.4	78.7	55.1	437.9	107.8	75.3	53.0	416.8	116.9	71.7	51.0	394.4	126.1	67.8	46.9	370.4	135.7	63.7	44.9
	9	475.4	99.4	81.8	56.2	454.7	108.9	78.2	54.1	432.9	118.2	74.5	52.0	409.5	127.5	70.4	47.8	384.7	137.2	66.2	45.8
	10	493.0	100.6	84.8	57.2	471.6	110.2	81.1	55.1	448.9	119.6	77.2	53.0	424.7	129.0	73.0	48.8	398.9	138.8	68.6	46.6
TAU1S2X 180	5	430.9	102.4	74.1	57.0	412.0	112.0	70.9	54.9	391.9	121.3	67.4	52.8	370.6	130.7	63.7	48.6	347.9	140.5	59.8	46.5
	6	449.6	103.5	77.3	58.2	429.9	113.1	73.9	56.1	409.0	122.5	70.3	53.9	386.7	132.0	66.5	49.6	363.0	142.0	62.4	47.4
	7	468.3	104.5	80.6	59.4	447.8	114.3	77.0	57.2	426.0	123.7	73.3	55.0	402.8	133.4	69.3	50.6	378.1	143.4	65.0	48.4
	8	487.1	105.7	83.8	60.6	465.7	115.5	80.1	58.3	443.0	125.1	76.2	56.1	418.9	134.8	72.1	51.6	393.3	145.0	67.6	49.4
	9	505.8	106.8	87.0	61.8	483.6	116.8	83.2	59.5	460.1	126.5	79.1	57.2	435.0	136.3	74.8	52.6	408.4	146.6	70.2	50.3
	10	524.5	108.1	90.2	63.0	501.5	118.1	86.3	60.6	477.1	127.9	82.1	58.3	451.2	137.9	77.6	53.6	423.5	148.3	72.8	51.3

Refrigerant: R134a
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Packaged Air Cooled Screw Chiller Performance data / R134a-Tropical / Micro-Channel Condenser

Model	LWT (°C)	Ambient temperature (°C)																			
		35				40				45				50				55			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TTU1S1X 050	5.0	106.0	33.0	18.2	8.3	100.7	35.9	17.3	8.0	94.9	38.8	16.3	7.7	88.7	41.9	15.3	7.1	81.9	45.4	14.1	6.8
	6.0	110.6	33.4	19.0	8.5	105.0	36.2	18.1	8.2	99.0	39.2	17.0	7.8	92.5	42.3	15.9	7.2	85.5	45.8	14.7	6.9
	7.0	115.2	33.7	19.8	8.6	109.4	36.6	18.8	8.3	103.2	39.5	17.7	8.0	96.4	42.7	16.6	7.4	89.1	46.3	15.3	7.0
	8.0	119.8	34.1	20.6	8.8	113.8	37.0	19.6	8.5	107.3	40.0	18.5	8.2	100.2	43.2	17.2	7.5	92.6	46.8	15.9	7.2
	9.0	124.4	34.4	21.4	9.0	118.2	37.4	20.3	8.7	111.4	40.4	19.2	8.3	104.1	43.6	17.9	7.7	96.2	47.3	16.5	7.3
	10.0	129.0	34.8	22.2	9.2	122.5	37.8	21.1	8.8	115.5	40.9	19.9	8.5	107.9	44.2	18.6	7.8	99.7	47.9	17.2	7.5
TTU1S1X 060	5.0	123.7	37.9	21.3	10.4	117.4	41.0	20.2	10.0	110.6	44.3	19.0	9.6	103.3	47.8	17.8	8.8	95.4	51.8	16.4	8.4
	6.0	129.1	38.2	22.2	10.6	122.5	41.5	21.1	10.2	115.4	44.8	19.9	9.8	107.8	48.3	18.5	9.0	99.6	52.4	17.1	8.6
	7.0	134.5	38.6	23.1	10.8	127.6	41.9	22.0	10.4	120.3	45.2	20.7	10.0	112.3	48.8	19.3	9.2	103.7	52.9	17.8	8.8
	8.0	139.9	39.0	24.1	11.0	132.7	42.3	22.8	10.6	125.1	45.7	21.5	10.2	116.8	49.3	20.1	9.4	107.8	53.5	18.5	9.0
	9.0	145.2	39.5	25.0	11.2	137.8	42.8	23.7	10.8	129.9	46.2	22.3	10.4	121.3	49.9	20.9	9.6	112.0	54.0	19.3	9.2
	10.0	150.6	39.9	25.9	11.4	142.9	43.3	24.6	11.0	134.7	46.8	23.2	10.6	125.8	50.5	21.6	9.8	116.1	54.7	20.0	9.3
TTU1S1X 070	5.0	141.1	42.9	24.3	13.5	133.9	46.5	23.0	13.0	126.0	50.2	21.7	12.5	117.6	54.1	20.2	11.5	108.5	58.7	18.7	11.0
	6.0	147.3	43.4	25.3	13.8	139.7	47.0	24.0	13.2	131.5	50.7	22.6	12.7	122.7	54.7	21.1	11.7	113.2	59.3	19.5	11.2
	7.0	153.4	43.8	26.4	14.0	145.5	47.5	25.0	13.5	137.0	51.2	23.6	13.0	127.8	55.3	22.0	12.0	118.0	59.9	20.3	11.4
	8.0	159.6	44.3	27.4	14.3	151.3	48.0	26.0	13.8	142.4	51.8	24.5	13.3	132.9	55.9	22.9	12.2	122.7	60.5	21.1	11.7
	9.0	165.7	44.8	28.5	14.6	157.1	48.5	27.0	14.1	147.9	52.3	25.4	13.5	138.0	56.5	23.7	12.4	127.4	61.2	21.9	11.9
	10.0	171.8	45.3	29.6	14.9	162.9	49.1	28.0	14.3	153.4	52.9	26.4	13.8	143.1	57.1	24.6	12.7	132.1	61.9	22.7	12.1
TTU1S1X 080	5.0	172.8	52.7	29.7	15.6	163.6	56.9	28.1	15.0	153.7	61.3	26.4	14.4	143.2	66.1	24.6	13.2	132.0	71.6	22.7	12.7
	6.0	180.3	53.2	31.0	15.9	170.7	57.5	29.4	15.3	160.4	61.9	27.6	14.7	149.4	66.8	25.7	13.5	137.7	72.3	23.7	12.9
	7.0	187.8	53.8	32.3	16.2	177.8	58.1	30.6	15.6	167.1	62.6	28.7	15.0	155.6	67.4	26.8	13.8	143.4	73.1	24.7	13.2
	8.0	195.3	54.4	33.6	16.5	184.9	58.7	31.8	15.9	173.8	63.2	29.9	15.3	161.9	68.2	27.8	14.1	149.2	73.9	25.7	13.5
	9.0	202.8	55.0	34.9	16.8	192.0	59.3	33.0	16.2	180.5	63.9	31.0	15.6	168.1	68.9	28.9	14.4	154.9	74.7	26.6	13.7
	10.0	210.3	55.6	36.2	17.2	199.1	60.0	34.2	16.5	187.1	64.7	32.2	15.9	174.3	69.7	30.0	14.6	160.6	75.5	27.6	14.0
TTU1S1X 090	5.0	196.0	60.6	33.7	15.6	185.3	65.3	31.9	15.0	173.9	70.3	29.9	14.4	161.9	75.7	27.8	13.2	149.0	82.0	25.6	12.7
	6.0	204.5	61.2	35.2	15.9	193.4	66.0	33.3	15.3	181.5	71.0	31.2	14.7	168.9	76.5	29.1	13.5	155.5	82.8	26.8	12.9
	7.0	213.0	61.9	36.6	16.2	201.4	66.7	34.6	15.6	189.1	71.7	32.5	15.0	176.0	77.3	30.3	13.8	162.0	83.7	27.9	13.2
	8.0	221.5	62.5	38.1	16.5	209.5	67.4	36.0	15.9	196.6	72.5	33.8	15.3	183.0	78.1	31.5	14.1	168.5	84.6	29.0	13.5
	9.0	230.0	63.2	39.6	16.8	217.5	68.1	37.4	16.2	204.2	73.3	35.1	15.6	190.0	79.0	32.7	14.4	175.0	85.5	30.1	13.7
	10.0	238.6	64.0	41.0	17.2	225.6	68.9	38.8	16.5	211.8	74.1	36.4	15.9	197.1	79.9	33.9	14.6	181.5	86.5	31.2	14.0
TTU1S2X 100	5.0	211.9	66.0	36.5	21.8	201.3	71.7	34.6	21.0	189.8	77.5	32.6	20.2	177.3	83.7	30.5	18.5	163.9	90.7	28.2	17.7
	6.0	221.2	66.7	38.0	22.2	210.1	72.4	36.1	21.4	198.0	78.3	34.1	20.6	185.1	84.6	31.8	18.9	171.0	91.6	29.4	18.1
	7.0	230.4	67.4	39.6	22.7	218.8	73.2	37.6	21.8	206.3	79.1	35.5	21.0	192.8	85.4	33.2	19.3	178.1	92.6	30.6	18.5
	8.0	239.6	68.1	41.2	23.1	227.6	74.0	39.1	22.3	214.6	80.0	36.9	21.4	200.5	86.3	34.5	19.7	185.2	93.6	31.9	18.8
	9.0	248.8	68.9	42.8	23.6	236.3	74.8	40.6	22.7	222.8	80.8	38.3	21.8	208.2	87.3	35.8	20.1	192.4	94.6	33.1	19.2
	10.0	258.0	69.7	44.4	24.0	245.1	75.7	42.2	23.2	231.1	81.8	39.7	22.3	215.9	88.3	37.1	20.5	199.5	95.7	34.3	19.6
TTU1S2X 110	5.0	229.7	70.9	39.5	24.9	218.1	76.9	37.5	24.0	205.5	83.1	35.4	23.0	192.0	89.7	33.0	21.2	177.3	97.2	30.5	20.3
	6.0	239.7	71.6	41.2	25.4	227.6	77.7	39.1	24.5	214.5	83.9	36.9	23.5	200.3	90.6	34.5	21.6	185.0	98.2	31.8	20.7
	7.0	249.7	72.3	42.9	25.9	237.0	78.5	40.8	25.0	223.4	84.8	38.4	24.0	208.7	91.5	35.9	22.1	192.8	99.2	33.2	21.1
	8.0	259.7	73.1	44.7	26.4	246.5	79.3	42.4	25.5	232.3	85.7	40.0	24.5	217.0	92.5	37.3	22.5	200.5	100.3	34.5	21.5
	9.0	269.6	73.9	46.4	27.0	256.0	80.2	44.0	26.0	241.3	86.6	41.5	25.0	225.4	93.5	38.8	23.0	208.2	101.3	35.8	22.0
	10.0	279.6	74.8	48.1	27.5	265.5	81.1	45.7	26.5	250.2	87.6	43.0	25.4	233.7	94.6	40.2	23.4	215.9	102.5	37.1	22.4
TTU1S2X 120	5.0	247.4	75.7	42.6	29.0	234.8	82.1	40.4	28.0	221.3	88.6	38.1	26.9	206.6	95.7	35.5	24.7	190.8	103.6	32.8	23.7
	6.0	258.2	76.5	44.4	29.6	245.0	82.9	42.1	28.5	230.9	89.5	39.7	27.4	215.6	96.6	37.1	25.2	199.1	104.7	34.2	24.1
	7.0	269.0	77.2	46.3	30.2	255.3	83.7	43.9	29.1	240.5	90.4	41.4	28.0	224.6	97.6	38.6	25.8	207.4	105.8	35.7	24.6
	8.0	279.7	78.1	48.1	30.8	265.5	84.7	45.7	29.7	250.1	91.4	43.0	28.6	233.5	98.7	40.2	26.3	215.7	106.9	37.1	25.1
	9.0	290.5	78.9	50.0	31.4	275.7	85.6	47.4	30.3	259.8	92.4	44.7	29.1	242.5	99.8	41.7	26.8	224.0	108.1	38.5	25.6
	10.0	301.2	79.9	51.8	32.1	285.9	86.6	49.2	30.9	269.4	93.5	46.3	29.7	251.5	100.9	43.3	27.3	232.3	109.4	40.0	26.1
TTU1S2X 130	5.0	264.9	80.8	45.6	41.5	251.3	87.5	43.2	39.9	236.6	94.5	40.7	38.4	220.9	102.0	38.0	35.3	203.9	110.5	35.1	33.8
	6.0	276.4	81.6	47.5	42.3	262.2	88.4	45.1	40.8	246.9	95.5	42.5	39.2	230.5	103.0	39.6	36.1	212.8	111.6	36.6	34.5
	7.0	287.9	82.4	49.5	43.2	273.1	89.3	47.0	41.6	257.2	96.4	44.2	40.0	240.1	104.1	41.3	36.8	221.7	112.7	38.1	35.2
	8.0	299.4	83.3	51.5	44.1	284.0	90.3	48.9	42.4	267.5	97.5	46.0	40.8	249.7	105.2	42.9	37.5	230.5	114.0	39.6	35.9
	9.0	310.9	84.2	53.5	44.9	295.0	91.3	50.7	43.3	277.8	98.5	47.8	41.6	259.3	106.3	44.6	38.3	239.4	115.2	41.2	36.6
	10.0	322.4	85.2	55.5	45.8	305.9	92.4	52.6	44.1	288.1	99.7	49.6	42.4	268.9	107.5	46.2	39.0	248.2	116.5	42.7	37.3
TTU1S2X 140	5.0	282.3	85.9	48.6	47.7	267.7	93.0	46.0	45.9	252.0	100.4	43.3	44.2	235.2	108.3	40.4	40.6	217.0	117.3	37.3	38.9
	6.0	294.6	86.7	50.7	48.7	279.3	94.0	48.0	46.9	263.0	101.4	45.2	45.1	245.4	109.4	42.2	41.5	226.5	118.5	39.0	39.7
	7.0	306.8	87.6	52.8	49.7	291.0	94.9	50.0	47.8	273.9	102.4	47.1	46.0	255.6	110.5	44.0	42.3	235.9	119.7	40.6	40.5
	8.0	319.1	88.6	54.9	50.7	302.6	96.0	52.1	48.8	284.9	103.5	49.0	46.9	265.8	111.7	45.7	43.2	245.3	121.0	42.2	41.3
	9.0	331.4	89.5	57.0	51.7	314.3	97.0	54.1	49.8	295.8	104.7	50.9	47.8	276.0	112.9	47.5	44.0	254.8	122.3	43.8	42.1
	10.0	343.7	90.6	59.1	52.7	325.9	98.1	56.1	50.7	306.8	105.9	52.8	48.8	286.3	114.3	49.2	44.9	264.2	123.8	45.4	42.9
TTU1S2X 150	5.0	313.9	95.6	54.0	33.2	297.4	103.4	51.2	31.9	279.7	111.5	48.1	30.7	260.8	120.2	44.8	28.3	240.5	130.2	41.4	27.0
	6.0	327.6	96.6	56.3	33.9	310.3	104.5	53.4	32.6	291.9	112.6	50.2	31.4	272.1	121.5	46.8	28.9	250.9	131.6	43.2	27.6
	7.0	341.2	97.6	58.7	34.6	323.3	105.5	55.6	33.3	304.1	113.8	52.3	32.0	283.4	122.7	48.7	29.4	261.4	132.9	45.0	28.2
	8.0	354.9	98.7	61.0	35.3	336.2	106.7	57.8	33.9	316.2	115.0	54.4	32.6	294.8	124.0	50.7	30.0	271.8	134.4	46.8	28.7
	9.0	368.5	99.7	63.4	35.9	349.1	107.8	60.1	34.6	328.4	116.3	56.5	33.3	306.1	125.4	52.6	30.6	282.3	135.8	48.6	29.3
	10.0	382.2	100.9	65.7	36.6	362.1	109.1	62.3	35.3	340.5	117.6	58.6	33.9	317.4	126.9	54.6	31.2	292.7	137.4	50.4	29.8
TTU1S2X 160	5.0	345.6	105.4	59.4	40.4	327.1	113.8	56.3	38.9	307.4	122.6	52.9	37.4	286.4	132.2	49.3	34.4	263.9	143.2	45.4	32.9
	6.0	360.6	106.5	62.0	41.3	341.4	115.0	58.7	39.7	320.8	123.9	55.2	38.2	298.8	133.5	51.4	35.2	275.4	144.6	47.4	33.6
	7.0	375.6	107.5	64.6	42.1	355.6	116.1	61.2	40.6	334.2	125.1	57.5	39.0	311.3	134.9	53.5	35.9	286.9	146.1	49.3	34.3
	8.0	390.6	108.7	67.2	43.0	369.8	117.4	63.6	41.4	347.5	126.5	59.8	39.8	323.7	136.3	55.7	36.6	298.3	147.7	51.3	35.0
	9.0	405.6	109.9	69.8	43.8	384.0	118.7	66.1	42.2	360.9	127.9	62.1	40.6	336.2	137.8	57.8	37.3	309.8	149.3	53.3	35.7
	10.0	420.7	111.2	72.4	44.6	398.2	120.1	68.5	43.0	374.3	129.4	64.4	41.3	348.6	139.4	60.0	38.0	321.3	151.1	55.3	36.4
TTU1S2X 170	5.0	368.7	113.3	63.4	51.8	348.9	122.2	60.0	49.9	327.7	131.6	56.4	48.0	305.1	141.8	52.5	44.2	281.0	153.6	48.3	42.2
	6.0	384.8	114.5	66.2	52.9	364.0	123.5	62.6	51.0	341.9	132.9	58.8	49.0	318.3	143.2	54.8	45.1	293.2	155.2	50.4	43.1
	7.0	400.8	115.6	68.9	54.0	379.2	124.7	65.2	52.0	356.2	134.3	61.3	50.0	331.6	144.7	57.0	46.0	305.4	156.7	52.5	44.0
	8.0	416.8	116.9	71.7	55.1	394.4	126.1	67.8	53.0	370.4	135.7	63.7	51.0	344.8	145.3	59.3	46.9	317.7	158.5	54.6	44.9
	9.0	432.9	118.2	74.5	56.2	409.5	127.5	70.4	54.1	384.7	137.2	66.2	52.0	358.1	147.9	61.6	47.8	329.9	160.2	56.7	45.8
	10.0	448.9	119.6	77.2	57.2	424.7	129.0	73.0	55.1	398.9	138.8	68.6	53.0	371.4	149.6	63.9	48.8	342.1	162.1	58.8	46.6
TTU1S2X 180	5.0	391.9	121.3	67.4	57.0	370.6	130.7	63.7	54.9	347.9	140.5	59.8	52.8	323.7	151.4	55.7	48.6	298.1	164.0	51.3	46.5
	6.0	409.0	122.5	70.3	58.2	386.7	132.0	66.5	56.1	363.0	142.0	62.4	53.9	337.8	153.0	58.1	49.6	311.1	165.7	53.5	47.4
	7.0	426.0	123.7	73.3	59.4	402.8	133.4	69.3	57.2	378.1	143.4	65.0	55.0	351.9	154.5	60.5	50.6	324.0	167.4	55.7	48.4
	8.0	443.0	125.1	76.2	60.6	418.9	134.8	72.1	58.3	393.3	145.0	67.6	56.1	366.0	156.2	62.9	51.6	337.0	169.2	58.0	49.4
	9.0	460.1	126.5	79.1	61.8	435.0	136.3	74.8	59.5	408.4	146.6	70.2	57.2	380.1	157.9	65.4	52.6	349.9	171.1	60.2	50.3
	10.0	477.1	127.9	82.1	63.0	451.2	137.9	77.6	60.6	423.5	148.3	72.8	58.3	394.1	159.8	67.8	53.6	362.9	173.1	62.4	51.3

Refrigerant: R134a
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

TAHVIEH
AIR CONDITIONING SYSTEMS

Remote Cooled Screw Chiller Performance data / R22

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TRU1W1L 050	5	119.0	29.3	20.5	9.2	115.2	32.7	19.8	8.9	111.2	35.9	19.1	8.5	106.8	39.1	18.4	7.9	102.1	42.2	17.6	7.5
	6	122.8	29.7	21.1	9.4	118.9	33.1	20.5	9.1	114.7	36.4	19.7	8.7	110.2	39.6	19.0	8.0	105.4	42.8	18.1	7.7
	7	126.6	30.0	21.8	9.6	122.6	33.5	21.1	9.3	118.3	36.8	20.3	8.9	113.6	40.0	19.5	8.2	108.6	43.3	18.7	7.8
	8	130.4	30.4	22.4	9.8	126.3	33.9	21.7	9.4	121.8	37.3	21.0	9.1	117.0	40.6	20.1	8.4	111.9	43.8	19.2	8.0
	9	134.2	30.8	23.1	10.0	129.9	34.3	22.3	9.6	125.4	37.7	21.6	9.3	120.4	41.0	20.7	8.5	115.1	44.4	19.8	8.1
	10	139.3	31.2	24.0	10.2	134.8	34.8	23.2	9.8	130.1	38.3	22.4	9.4	125.0	41.6	21.5	8.7	119.5	45.0	20.6	8.3
TRU1W1L 060	5	147.6	36.5	25.4	21.7	142.8	40.5	24.6	20.9	137.7	44.3	23.7	20.1	132.1	48.1	22.7	18.5	126.2	51.9	21.7	17.7
	6	152.4	36.9	26.2	22.1	147.4	41.0	25.3	21.3	142.1	44.9	24.4	20.5	136.4	48.7	23.5	18.8	130.2	52.5	22.4	18.0
	7	157.1	37.4	27.0	22.6	151.9	41.5	26.1	21.7	146.5	45.4	25.2	20.9	140.6	49.3	24.2	19.2	134.3	53.2	23.1	18.4
	8	161.8	37.9	27.8	23.0	156.5	42.1	26.9	22.2	150.8	46.0	25.9	21.3	144.8	49.9	24.9	19.6	138.3	53.9	23.8	18.8
	9	166.5	38.3	28.6	23.5	161.1	42.5	27.7	22.6	155.2	46.6	26.7	21.7	149.0	50.5	25.6	20.0	142.3	54.5	24.5	19.1
	10	172.8	38.8	29.7	23.9	167.1	43.1	28.7	23.0	161.1	47.2	27.7	22.2	154.6	51.2	26.6	20.4	147.7	55.2	25.4	19.5
TRU1W1L 070	5	183.3	45.1	31.5	18.4	174.4	48.6	30.0	17.7	164.8	52.5	28.4	17.0	154.7	56.7	26.6	15.6	144.0	61.5	24.8	15.0
	6	189.2	45.6	32.5	18.7	179.9	49.2	31.0	18.0	170.1	53.1	29.3	17.3	159.7	57.4	27.5	16.0	148.6	62.2	25.6	15.3
	7	195.0	46.2	33.5	19.1	185.5	49.8	31.9	18.4	175.4	53.7	30.2	17.7	164.6	58.1	28.3	16.3	153.2	63.0	26.3	15.6
	8	200.9	46.8	34.6	19.5	191.1	50.4	32.9	18.8	180.6	54.4	31.1	18.1	169.5	58.9	29.2	16.6	157.8	63.8	27.1	15.9
	9	206.7	47.3	35.6	19.9	196.6	51.0	33.8	19.1	185.9	55.1	32.0	18.4	174.5	59.6	30.0	16.9	162.4	64.5	27.9	16.2
	10	214.5	48.0	36.9	20.3	204.1	51.7	35.1	19.5	192.9	55.8	33.2	18.8	181.1	60.4	31.1	17.3	168.5	65.4	29.0	16.5
TRU1W1L 080	5	212.4	51.8	36.5	14.2	201.2	55.7	34.6	13.7	189.5	59.9	32.6	13.2	177.2	64.6	30.5	12.1	164.3	69.7	28.3	11.6
	6	219.2	52.4	37.7	14.5	207.7	56.4	35.7	14.0	195.6	60.7	33.6	13.4	182.9	65.4	31.5	12.4	169.5	70.6	29.2	11.8
	7	225.9	53.1	38.9	14.8	214.1	57.1	36.8	14.2	201.6	61.4	34.7	13.7	188.5	66.2	32.4	12.6	174.8	71.4	30.1	12.1
	8	232.7	53.8	40.0	15.1	220.5	57.8	37.9	14.5	207.7	62.2	35.7	14.0	194.2	67.1	33.4	12.9	180.0	72.3	31.0	12.3
	9	239.5	54.4	41.2	15.4	226.9	58.5	39.0	14.8	213.7	63.0	36.8	14.2	199.8	67.9	34.4	13.1	185.3	73.2	31.9	12.5
	10	248.5	55.2	42.7	15.7	235.5	59.3	40.5	15.1	221.8	63.8	38.1	14.5	207.4	68.8	35.7	13.4	192.3	74.2	33.1	12.8
TRU1W1L 090	5	249.2	60.6	42.9	17.7	236.9	65.2	40.8	17.1	224.1	70.4	38.5	16.4	210.5	76.0	36.2	15.1	196.2	82.1	33.8	14.4
	6	257.1	61.3	44.2	18.1	244.5	66.0	42.1	17.4	231.2	71.3	39.8	16.8	217.2	77.0	37.4	15.4	202.5	83.1	34.8	14.7
	7	265.1	62.0	45.6	18.5	252.1	66.8	43.4	17.8	238.4	72.1	41.0	17.1	224.0	77.9	38.5	15.7	208.8	84.1	35.9	15.0
	8	273.0	62.9	47.0	18.8	259.6	67.7	44.7	18.1	245.5	73.1	42.2	17.4	230.7	78.9	39.7	16.0	215.0	85.2	37.0	15.3
	9	281.0	63.6	48.3	19.2	267.2	68.5	46.0	18.5	252.7	73.9	43.5	17.8	237.4	79.9	40.8	16.4	221.3	86.2	38.1	15.6
	10	291.6	64.5	50.2	19.6	277.3	69.4	47.7	18.9	262.2	74.9	45.1	18.1	246.3	80.9	42.4	16.7	229.6	87.4	39.5	16.0
TRU1W2L 100	5	238.0	58.6	40.9	15.9	230.5	65.4	39.6	15.3	222.3	71.9	38.2	14.7	213.6	78.1	36.7	13.5	204.2	84.5	35.1	12.9
	6	245.6	59.3	42.3	16.2	237.8	66.2	40.9	15.6	229.4	72.8	39.5	15.0	220.4	79.1	37.9	13.8	210.7	85.5	36.2	13.2
	7	253.2	60.0	43.6	16.5	245.2	67.0	42.2	15.9	236.5	73.6	40.7	15.3	227.2	80.1	39.1	14.1	217.2	86.6	37.4	13.5
	8	260.8	60.8	44.9	16.9	252.5	67.9	43.4	16.2	243.6	74.6	41.9	15.6	234.1	81.1	40.3	14.4	223.8	87.7	38.5	13.7
	9	268.4	61.5	46.2	17.2	259.9	68.7	44.7	16.5	250.7	75.5	43.1	15.9	240.9	82.1	41.4	14.6	230.3	88.7	39.6	14.0
	10	278.6	62.4	47.9	17.5	269.7	69.6	46.4	16.9	260.2	76.5	44.7	16.2	250.0	83.2	43.0	14.9	239.0	89.9	41.1	14.3
TRU1W2L 110	5	266.7	65.8	45.9	29.5	258.0	73.2	44.4	28.5	248.8	80.3	42.8	27.4	238.9	87.2	41.1	25.2	228.3	94.1	39.3	24.1
	6	275.2	66.6	47.3	30.2	266.3	74.1	45.8	29.0	256.8	81.3	44.2	27.9	246.6	88.3	42.4	25.7	235.6	95.3	40.5	24.6
	7	283.7	67.4	48.8	30.8	274.5	75.0	47.2	29.6	264.7	82.3	45.5	28.5	254.2	89.3	43.7	26.2	242.9	96.4	41.8	25.1
	8	292.2	68.3	50.3	31.4	282.8	76.0	48.6	30.2	272.7	83.3	46.9	29.1	261.8	90.5	45.0	26.7	250.2	97.7	43.0	25.6
	9	300.7	69.1	51.7	32.0	291.0	76.9	50.1	30.8	280.6	84.3	48.3	29.6	269.5	91.6	46.3	27.3	257.5	98.9	44.3	26.1
	10	312.1	70.0	53.7	32.6	302.0	77.9	51.9	31.4	291.2	85.5	50.1	30.2	279.6	92.8	48.1	27.8	267.2	100.2	46.0	26.6
TRU1W2L 120	5	296.3	73.0	50.8	51.8	285.6	81.0	49.1	49.9	275.3	88.7	47.4	48.0	264.3	96.2	45.5	44.2	252.4	103.8	43.4	42.2
	6	304.7	73.9	52.4	52.9	294.8	82.0	50.7	51.0	284.1	89.8	48.9	49.0	272.7	97.4	46.9	45.1	260.5	105.1	44.8	43.1
	7	314.1	74.8	54.0	54.0	303.9	83.0	52.3	52.0	292.9	90.9	50.4	50.0	281.2	98.6	48.4	46.0	268.5	106.3	46.2	44.0
	8	323.6	75.7	55.7	55.1	313.0	84.1	53.8	53.0	301.7	92.1	51.9	51.0	289.6	99.9	49.8	46.9	276.6	107.7	47.6	44.9
	9	333.0	76.6	57.3	56.2	322.1	85.1	55.4	54.1	310.5	93.1	53.4	52.0	298.0	101.0	51.3	47.8	284.7	109.0	49.0	45.8
	10	345.6	77.7	59.4	57.2	334.3	86.3	57.5	55.1	322.2	94.4	55.4	53.0	309.3	102.4	53.2	48.8	295.4	110.5	50.8	46.6
TRU1W2L 130	5	331.0	81.6	56.9	43.5	317.2	89.1	54.6	41.9	302.5	96.8	52.0	40.3	286.9	104.9	49.3	37.1	270.2	113.3	46.5	35.5
	6	341.5	82.6	58.7	44.5	327.3	90.2	56.3	42.8	312.2	98.0	53.7	41.2	296.0	106.1	50.9	37.9	278.8	114.7	48.0	36.2
	7	352.1	83.6	60.6	45.4	337.5	91.3	58.0	43.7	321.8	99.2	55.4	42.0	305.2	107.4	52.5	38.6	287.5	116.1	49.4	37.0
	8	362.7	84.7	62.4	46.3	347.6	92.5	59.8	44.6	331.5	100.5	57.0	42.8	314.3	108.8	54.1	39.4	296.1	117.6	50.9	37.7
	9	373.2	85.7	64.2	47.2	357.7	93.6	61.5	45.4	341.1	101.7	58.7	43.7	323.5	110.1	55.6	40.2	304.7	119.0	52.4	38.4
	10	387.3	86.8	66.6	48.1	371.2	94.8	63.8	46.3	354.0	103.1	60.9	44.5	335.7	111.6	57.7	41.0	316.2	120.7	54.4	39.2
TRU1W2L 140	5	366.7	90.2	63.1	43.5	348.8	97.2	60.0	41.9	329.7	104.9	56.7	40.3	309.4	113.5	53.2	37.1	288.0	122.9	49.5	35.5
	6	378.4	91.3	65.1	44.5	359.9	98.3	61.9	42.8	340.2	106.2	58.5	41.2	319.3	114.9	54.9	37.9	297.2	124.4	51.1	36.2
	7	390.1	92.4	67.1	45.4	371.0	99.5	63.8	43.7	350.7	107.5	60.3	42.0	329.2	116.3	56.6	38.6	306.4	125.9	52.7	37.0
	8	401.8	93.6	69.1	46.3	382.2	100.8	65.7	44.6	361.2	108.9	62.1	42.8	339.1	117.8	58.3	39.4	315.6	127.6	54.3	37.7
	9	413.5	94.7	71.1	47.2	393.3	102.0	67.6	45.4	371.8	110.2	63.9	43.7	349.0	119.2	60.0	40.2	324.7	129.1	55.9	38.4
	10	429.1	96.0	73.8	48.1	408.1	103.4	70.2	46.3	385.8	111.7	66.4	44.5	362.1	120.8	62.3	41.0	337.0	130.8	58.0	39.2
TRU1W2L 150	5	395.7	96.9	68.1	41.5	375.6	104.3	64.6	39.9	354.4	112.4	61.0	38.4	331.9	121.4	57.1	35.3	308.3	131.1	53.0	33.8
	6	408.4	98.1	70.2	42.3	387.6	105.6	66.7	40.8	365.7	113.8	62.9	39.2	342.5	122.9	58.9	36.1	318.1	132.8	54.7	34.5
	7	421.0	99.3	72.4	43.2	399.6	106.8	68.7	41.6	377.0	115.2	64.8	40.0	353.1	124.4	60.7	36.8	328.0	134.4	56.4	35.2
	8	433.6	100.6	74.6	44.1	411.6	108.2	70.8	42.4	388.3	116.7	66.8	40.8	363.7	126.0	62.6	37.5	337.8	136.1	58.1	35.9
	9	446.2	101.8	76.8	44.9	423.6	109.5	72.9	43.3	399.6	118.0	68.7	41.6	374.3	127.5	64.4	38.3	347.6	137.7	59.8	36.6
	10	453.1	103.1	79.6	45.8	439.5	111.0	75.6	44.1	414.7	119.7	71.3	42.4	388.4	129.2	66.8	39.0	360.8	139.6	62.1	37.3
TRU1W2L 160	5	424.8	103.6	73.1	49.8	402.5	111.4	69.2	47.9	379.0	119.9	65.2	45.1	354.4	129.3	61.0	42.4	328.6	139.4	56.5	40.6
	6	438.3	104.9	75.4	50.8	415.3	112.8	71.4	48.9	391.1	121.4	67.3	47.0	365.7	130.9	62.9	43.3	339.1	141.1	58.3	41.4
	7	451.9	106.2	77.7	51.8	428.2	114.1	73.6	49.9	403.2	122.8	69.4	48.0	377.0	132.5	64.9	44.2	349.6	142.8	60.1	42.2
	8	465.4	107.6	80.1	52.9	441.0	115.6	75.9	50.9	415.3	124.4	71.4	49.0	388.4	134.2	66.8	45.0	360.0	144.7	61.9	43.1
	9	479.0	108.8	82.4	53.9	453.8	117.0	78.1	51.9	427.4	125.9	73.5	49.9	399.7	135.8	68.7	45.9	370.5	145.4	63.7	43.9
	10	497.1	110.3	85.5	55.0	471.0	118.6	81.0	52.9	443.6	127.6	76.3	50.9	414.7	137.6	71.3	46.8	384.5	148.4	66.1	44.8
TRU1W2L 170	5	451.5	112.4	79.4	49.8	438.2	120.9	75.4	47.9	413.6	130.3	71.1	45.1	387.7	140.7	66.7	42.4	360.5	151.8	62.0	40.6
	6	476.3	113.7	81.9	50.8	452.2	122.4	77.8	48.9	426.8	131.9	73.4	47.0	400.1	142.4	68.8	43.3	372.0	153.6	64.0	41.4
	7	491.0	115.1	84.5	51.8	466.1	123.9	80.2	49.9	440.0	133.5	75.7	48.0	412.5	144.1	70.9	44.2	383.5	155.5	66.0	42.2
	8	505.7	116.6	87.0	52.9	480.1	125.5	82.6	50.9	453.2	135.3	77.9	49.0	424.8	146.0	73.1	45.0	395.0	157.5	67.9	43.1
	9	520.5	118.0	89.5	53.9	494.1	127.0	85.0	51.9	466.4	136.9	80.2	49.9	437.2	147.7	75.2	45.9	406.5	159.4	69.9	43.9
	10	540.1	119.6	92.9	55.0	512.8	128.7	88.2	52.9	484.0	138.8	83.2	50.9	453.7	149.8	78.0	46.8	421.9	161.6	72.6	44.8
TRU1W2L 180	5	498.3	121.1	85.7	62.2	473.9	130.5	81.5	59.9	448.1	140.8	77.1	57.6	421.0	152.1	72.4	53.0	392.5	164.1	67.5	50.7
	6	514.2	122.6	88.4	63.5	489.0	132.1	84.1	61.2	462.4	142.5	79.5	58.8	434.5	153.9	74.7	54.1	405.0	166.2	69.7	51.7
	7	530.1	124.1	91.2	64.8	504.1	133.7	86.7	62.4	476.7	144.3	82.0	60.0	447.9	155.8	77.0	55.2	417.5	168.2	71.8	52.8
	8	546.0	125.7	93.9	66.1	519.2	135.4	89.3	63.6	491.0	146.1	84.5	61.2	461.3	157.8	79.3	56.3	430.0	170.4	74.0	53.9
	9	561.9	127.2	96.7	67.4	534.4	137.0	91.9	64.9	505.3	147.9	86.9	62.4	474.8	159.7	81.7	57.4	442.6	172.4	76.1	54.9
	10	583.2	128.9	100.3	68.7	554.5	138.9	95.4	66.1	524.4	149.9	90.2	63.6	492.7	161.9	84.7	58.5	459.3	174.7	79.0	56.0

Refrigerant: R22
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Remote Cooled Screw Chiller Performance data / R407C

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TRU1P1L 050	5	113.6	30.6	19.5	13.5	108.9	33.7	18.7	13.0	103.8	36.8	17.8	12.5	98.2	39.8	16.9	11.5	92.1	43.0	15.8	11.0
	6	117.2	31.0	20.2	13.8	112.4	34.2	19.3	13.2	107.1	37.2	18.4	12.7	101.3	40.3	17.4	11.7	95.0	43.5	16.3	11.2
	7	120.9	31.4	20.8	14.0	115.8	34.6	19.9	13.5	110.4	37.7	19.0	13.0	104.5	40.8	18.0	12.0	98.0	44.1	16.9	11.4
	8	124.5	31.8	21.4	14.3	119.3	35.0	20.5	13.8	113.7	38.2	19.6	13.3	107.6	41.3	18.5	12.2	100.9	44.6	17.4	11.7
	9	128.1	32.2	22.0	14.6	122.8	35.4	21.1	14.1	117.0	38.6	20.1	13.5	110.7	41.8	19.0	12.4	103.9	45.2	17.9	11.9
	10	132.9	32.6	22.9	14.9	127.4	35.9	21.9	14.3	121.4	39.2	20.9	13.8	114.9	42.4	19.8	12.7	107.8	45.8	18.5	12.1
TRU1P1L 060	5	141.9	37.4	24.4	20.7	136.0	41.1	23.4	20.0	129.7	44.7	22.3	19.2	122.8	48.4	21.1	17.7	115.3	52.2	19.8	16.9
	6	146.5	37.9	25.2	21.2	140.4	41.6	24.1	20.4	133.8	45.3	23.0	19.6	126.7	48.9	21.8	18.0	119.0	52.8	20.5	17.2
	7	151.0	38.3	26.0	21.6	144.7	42.1	24.9	20.8	138.0	45.8	23.7	20.0	130.6	49.5	22.5	18.4	122.6	53.4	21.1	17.6
	8	155.5	38.8	26.8	22.0	149.1	42.6	25.6	21.2	142.1	46.4	24.4	20.4	134.5	50.2	23.1	18.8	126.3	54.1	21.7	18.0
	9	160.1	39.3	27.5	22.5	153.4	43.2	26.4	21.6	146.2	47.0	25.2	20.8	138.5	50.8	23.8	19.1	130.0	54.8	22.4	18.3
	10	166.1	39.8	28.6	22.9	159.2	43.7	27.4	22.0	151.8	47.6	26.1	21.2	143.7	51.5	24.7	19.5	134.9	55.5	23.2	18.7
TRU1P1L 070	5	163.6	43.0	28.1	27.0	156.8	47.1	27.0	26.0	149.4	51.2	25.7	25.0	141.4	55.2	24.3	23.0	132.8	59.5	22.8	22.0
	6	168.8	43.5	29.0	27.5	161.8	47.7	27.8	26.5	154.1	51.8	26.5	25.5	145.9	55.9	25.1	23.4	137.1	60.2	23.6	22.4
	7	174.1	44.1	29.9	28.1	166.8	48.3	28.7	27.0	158.9	52.4	27.3	26.0	150.5	56.6	25.9	23.9	141.3	60.9	24.3	22.9
	8	179.3	44.6	30.8	28.6	171.8	48.9	29.5	27.6	163.7	53.1	28.2	26.5	155.0	57.3	26.7	24.4	145.5	61.7	25.0	23.3
	9	184.5	45.2	31.7	29.2	176.8	49.5	30.4	28.1	168.4	53.7	29.0	27.0	159.5	58.0	27.4	24.9	149.8	62.5	25.8	23.8
	10	191.5	45.8	32.9	29.8	183.4	50.2	31.6	28.7	174.8	54.5	30.1	27.6	165.5	58.8	28.5	25.4	155.4	63.3	26.7	24.3
TRU1P1L 080	5	184.7	49.3	31.8	24.9	176.8	53.9	30.4	24.0	168.3	58.4	29.0	23.0	159.3	62.9	27.4	21.2	149.5	67.6	25.7	20.3
	6	190.5	50.0	32.8	25.4	182.4	54.6	31.4	24.5	173.7	59.1	29.9	23.5	164.3	63.7	28.3	21.6	154.2	68.5	26.5	20.7
	7	196.4	50.6	33.8	25.9	188.1	55.3	32.3	25.0	179.1	59.9	30.8	24.0	169.4	64.5	29.1	22.1	159.0	69.3	27.3	21.1
	8	202.3	51.2	34.8	26.4	193.7	56.0	33.3	25.5	184.5	60.6	31.7	24.5	174.5	65.3	30.0	22.5	163.8	70.2	28.2	21.5
	9	208.2	51.8	35.8	27.0	199.4	56.6	34.3	26.0	189.8	61.4	32.7	25.0	179.6	66.1	30.9	23.0	168.6	71.0	29.0	22.0
	10	216.1	52.5	37.2	27.5	206.9	57.4	35.6	26.5	197.0	62.2	33.9	25.4	186.4	67.0	32.1	23.4	174.9	72.0	30.1	22.4
TRU1P1L 090	5	212.3	57.6	36.5	25.9	203.1	62.8	34.9	25.0	193.3	67.9	33.2	24.0	182.7	73.1	31.4	22.1	171.4	78.5	29.5	21.1
	6	219.1	58.3	37.7	26.5	209.6	63.5	36.1	25.5	199.5	68.7	34.3	24.5	188.6	74.0	32.4	22.5	176.9	79.5	30.4	21.6
	7	225.9	59.0	38.9	27.0	216.1	64.3	37.2	26.0	205.6	69.6	35.4	25.0	194.4	74.9	33.4	23.0	182.4	80.5	31.4	22.0
	8	232.7	59.8	40.0	27.5	222.6	65.2	38.3	26.5	211.8	70.5	36.4	25.5	200.2	75.9	34.4	23.5	187.8	81.5	32.3	22.4
	9	239.4	60.5	41.2	28.1	229.1	65.9	39.4	27.0	218.0	71.3	37.5	26.0	206.1	76.8	35.4	23.9	193.3	82.5	33.2	22.9
	10	248.5	61.3	42.7	28.6	237.7	66.8	40.9	27.6	226.2	72.3	38.9	26.5	213.9	77.8	36.8	24.4	200.6	83.6	34.5	23.3
TRU1P2L 100	5	227.2	61.3	39.1	36.3	217.8	67.5	37.5	34.9	207.5	73.6	35.7	33.6	196.4	79.7	33.8	30.9	184.2	86.0	31.7	29.6
	6	234.5	62.0	40.3	37.0	224.7	68.3	38.7	35.7	214.2	74.5	36.8	34.3	202.6	80.6	34.9	31.6	190.1	87.1	32.7	30.2
	7	241.7	62.8	41.6	37.8	231.7	69.1	39.8	36.4	220.8	75.4	38.0	35.0	208.9	81.6	35.9	32.2	196.0	88.1	33.7	30.8
	8	249.0	63.6	42.8	38.6	238.6	70.0	41.0	37.1	227.4	76.4	39.1	35.7	215.2	82.7	37.0	32.8	201.8	89.3	34.7	31.4
	9	256.2	64.3	44.1	39.3	245.6	70.9	42.2	37.9	234.0	77.3	40.3	36.4	221.4	83.7	38.1	33.5	207.7	90.3	35.7	32.0
	10	265.9	65.2	45.7	40.1	254.8	71.8	43.8	38.6	242.9	78.3	41.8	37.1	229.8	84.8	39.5	34.1	215.6	91.6	37.1	32.6
TRU1P2L 110	5	255.5	68.0	44.0	45.6	244.9	74.8	42.1	43.9	233.5	81.5	40.2	42.2	221.0	88.2	38.0	38.9	207.4	95.2	35.7	37.2
	6	263.7	68.9	45.4	46.6	252.8	75.8	43.5	44.8	240.9	82.5	41.4	43.1	228.0	89.3	39.2	39.7	214.0	96.3	36.8	37.9
	7	271.9	69.7	46.8	47.5	260.6	76.7	44.8	45.8	248.4	83.5	42.7	44.0	235.1	90.4	40.4	40.5	220.6	97.5	37.9	38.7
	8	280.0	70.6	48.2	48.5	268.4	77.7	46.2	46.7	255.8	84.6	44.0	44.9	242.1	91.5	41.6	41.3	227.2	98.8	39.1	39.5
	9	288.2	71.4	49.6	49.4	276.2	78.6	47.5	47.6	263.3	85.6	45.3	45.8	249.2	92.6	42.9	42.1	233.8	99.9	40.2	40.3
	10	299.0	72.4	51.4	50.4	286.6	79.7	49.3	48.5	273.2	86.8	47.0	46.6	258.6	93.9	44.5	42.9	242.7	101.3	41.7	41.0
TRU1P2L 120	5	283.9	74.8	48.8	42.5	272.1	82.2	46.8	40.9	259.4	89.4	44.6	39.4	245.6	96.7	42.2	36.2	230.5	104.3	39.7	34.6
	6	292.9	75.7	50.4	43.4	280.8	83.2	48.3	41.8	267.7	90.5	46.0	40.2	253.4	97.9	43.6	37.0	237.9	105.6	40.9	35.4
	7	302.0	76.6	51.9	44.3	289.5	84.2	49.8	42.6	275.9	91.6	47.5	41.0	261.2	99.1	44.9	37.7	245.3	106.9	42.2	36.1
	8	311.1	77.6	53.5	45.2	298.1	85.3	51.3	43.5	284.2	92.8	48.9	41.8	269.1	100.4	46.3	38.5	252.6	108.3	43.5	36.8
	9	320.1	78.5	55.1	46.1	306.8	86.3	52.8	44.3	292.5	93.9	50.3	42.6	276.9	101.6	47.6	39.2	260.0	109.5	44.7	37.5
	10	332.2	79.6	57.1	46.9	318.4	87.5	54.8	45.2	303.5	95.2	52.2	43.5	287.4	103.0	49.4	40.0	269.8	111.0	46.4	38.2
TRU1P2L 130	5	305.6	80.4	52.6	67.4	292.8	88.2	50.4	64.9	279.1	95.9	48.0	62.4	264.2	103.6	45.4	57.4	248.1	111.6	42.7	54.9
	6	315.3	81.4	54.2	68.8	302.1	89.3	52.0	66.2	288.0	97.1	49.5	63.7	272.6	104.9	46.9	58.6	256.0	113.0	44.0	56.1
	7	325.1	82.4	55.9	70.2	311.5	90.4	53.6	67.6	296.9	98.3	51.1	65.0	281.1	106.1	48.3	59.8	263.9	114.4	45.4	57.2
	8	334.8	83.4	57.6	71.6	320.8	91.6	55.2	69.0	305.8	99.5	52.6	66.3	289.5	107.5	49.8	61.0	271.9	115.9	46.8	58.3
	9	344.6	84.4	59.3	73.0	330.2	92.7	56.8	70.3	314.7	100.7	54.1	67.6	297.9	108.8	51.2	62.2	279.8	117.2	48.1	59.5
	10	357.6	85.6	61.5	74.4	342.6	93.9	58.9	71.7	326.6	102.1	56.2	68.9	309.2	110.3	53.2	63.4	290.3	118.8	49.9	60.6
TRU1P2L 140	5	327.2	86.0	56.3	40.4	313.5	94.3	53.9	38.9	298.8	102.4	51.4	37.4	282.8	110.5	48.6	34.4	265.7	119.0	45.7	32.9
	6	337.7	87.1	58.1	41.3	323.5	95.4	55.6	39.7	308.3	103.6	53.0	38.2	291.9	111.8	50.2	35.2	274.1	120.4	47.2	33.6
	7	348.1	88.1	59.9	42.1	333.5	96.6	57.4	40.6	317.8	104.9	54.7	39.0	300.9	113.2	51.8	35.9	282.6	121.9	48.6	34.3
	8	358.6	89.3	61.7	43.0	343.5	97.9	59.1	41.4	327.4	106.2	56.3	39.8	309.9	114.7	53.3	36.6	291.1	123.5	50.1	35.0
	9	369.0	90.3	63.5	43.8	353.5	99.0	60.8	42.2	336.9	107.5	57.9	40.6	319.0	116.0	54.9	37.3	299.6	124.9	51.5	35.7
	10	382.9	91.6	65.9	44.6	366.9	100.4	63.1	43.0	349.6	109.0	60.1	41.3	331.0	117.6	56.9	38.0	310.9	126.6	53.5	36.4
TRU1P2L 150	5	348.3	92.4	59.9	43.5	333.5	101.1	57.4	41.9	317.7	109.6	54.6	40.3	300.7	118.2	51.7	37.1	282.3	127.1	48.6	35.5
	6	359.4	93.5	61.8	44.5	344.2	102.3	59.2	42.8	327.9	111.0	56.4	41.2	310.3	119.6	53.4	37.9	291.3	128.7	50.1	36.2
	7	370.5	94.6	63.7	45.4	354.8	103.6	61.0	43.7	338.0	112.3	58.1	42.0	319.9	121.1	55.0	38.6	300.3	130.3	51.7	37.0
	8	381.6	95.9	65.6	46.3	365.5	104.9	62.9	44.6	348.1	113.8	59.9	42.8	329.5	122.6	56.7	39.4	309.3	131.9	53.2	37.7
	9	392.7	97.0	67.5	47.2	376.1	106.2	64.7	45.4	358.3	115.1	61.6	43.7	339.1	124.1	58.3	40.2	318.3	133.5	54.8	38.4
	10	407.6	98.3	70.1	48.1	390.3	107.6	67.1	46.3	371.8	116.7	63.9	44.5	351.9	125.8	60.5	41.0	330.4	135.3	56.8	39.2
TRU1P2L 160	5	369.3	98.7	63.5	49.8	353.6	107.9	60.8	47.9	336.7	116.8	57.9	46.1	318.5	125.8	54.8	42.4	298.9	135.3	51.4	40.6
	6	381.1	99.9	65.5	50.8	364.9	109.2	62.8	48.9	347.4	118.3	59.8	47.0	328.7	127.4	56.5	43.3	308.5	137.0	53.1	41.4
	7	392.9	101.1	67.6	51.8	376.2	110.5	64.7	49.9	358.2	119.7	61.6	48.0	338.8	128.9	58.3	44.2	318.0	138.6	54.7	42.2
	8	404.7	102.4	69.6	52.9	387.4	112.0	66.6	50.9	368.9	121.3	63.5	49.0	349.0	130.6	60.0	45.0	327.6	140.4	56.3	43.1
	9	416.5	103.6	71.6	53.9	398.7	113.3	68.6	51.9	379.7	122.7	65.3	49.9	359.2	132.2	61.8	45.9	337.1	142.1	58.0	43.9
	10	432.2	105.1	74.3	55.0	413.8	114.8	71.2	52.9	394.0	124.4	67.8	50.9	372.7	134.0	64.1	46.8	349.8	144.0	60.2	44.8
TRU1P2L 170	5	397.0	106.9	68.3	51.8	379.9	116.7	65.3	49.9	361.6	126.3	62.2	48.0	342.0	136.0	58.8	44.2	320.9	146.2	55.2	42.2
	6	409.7	108.2	70.5	52.9	392.0	118.2	67.4	51.0	373.2	127.9	64.2	49.0	352.9	137.7	60.7	45.1	331.1	148.0	57.0	43.1
	7	422.3	109.5	72.6	54.0	404.2	119.6	69.5	52.0	384.7	129.4	66.2	50.0	363.8	139.4	62.6	46.0	341.4	149.8	58.7	44.0
	8	435.0	111.0	74.8	55.1	416.3	121.1	71.6	53.0	396.3	131.1	68.2	51.0	374.7	141.2	64.5	46.9	351.6	151.7	60.5	44.9
	9	447.7	112.3	77.0	56.2	428.4	122.6	73.7	54.1	407.8	132.7	70.1	52.0	385.7	142.8	66.3	47.8	361.9	153.5	62.2	45.8
	10	464.6	113.8	79.9	57.2	444.6	124.3	76.5	55.1	423.2	134.5	72.8	53.0	400.2	144.8	68.8	48.8	375.5	155.6	64.6	46.6
TRU1P2L 180	5	424.7	115.1	73.0	58.1	406.2	125.6	69.9	55.9	386.6	135.8	66.5	53.8	365.5	146.2	62.9	49.5	342.9	157.0	59.0	47.3
	6	438.2	116.6	75.4	59.3	419.2	127.1	72.1	57.1	398.9	137.5	68.6	54.9	377.2	148.0	64.9	50.5	353.8	159.0	60.9	48.3
	7	451.8	118.0	77.7	60.5	432.2	128.6	74.3	58.2	411.3	139.2	70.7	56.0	388.8	149.8	66.9	51.5	364.7	160.9	62.7	49.3
	8	465.3	119.5	80.0	61.7	445.1	130.3	76.6	59.4	423.6	141.0	72.9	57.1	400.5	151.7	68.9	52.6	375.7	163.0	64.6	50.3
	9	478.9	120.9	82.4	62.9	458.1	131.9	78.8	60.6	436.0	142.6	75.0	58.2	412.1	153.5	70.9	53.6	386.6	164.9	66.5	51.3
	10	496.9	122.6	85.5	64.1	475.4	133.7	81.8	61.7	452.4	144.6	77.8	59.4	427.7	155.6	73.6	54.6	401.2	167.2	69.0	52.2

Refrigerant: R407C
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

TAHVIEH
AIR CONDITIONING SYSTEMS

Remote Cooled Screw Chiller Performance data / R134a –Non Tropical

Condition

Model	LWT (°C)	Ambient temperature (°C)																			
		25				30				35				40				45			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TRU1S1L 050	5	115.5	27.1	19.9	8.3	110.9	30.1	19.1	8.0	106.0	33.0	18.2	7.7	100.7	35.9	17.3	7.1	94.9	38.8	16.3	6.8
	6	120.5	27.4	20.7	8.5	115.7	30.4	19.9	8.2	110.6	33.4	19.0	7.8	105.0	36.2	18.1	7.2	99.0	39.2	17.0	6.9
	7	125.5	27.7	21.6	8.6	120.6	30.8	20.7	8.3	115.2	33.7	19.8	8.0	109.4	36.6	18.8	7.4	103.2	39.5	17.7	7.0
	8	130.6	28.0	22.5	8.8	125.4	31.1	21.6	8.5	119.8	34.1	20.6	8.2	113.8	37.0	19.6	7.5	107.3	40.0	18.5	7.2
	9	135.6	28.3	23.3	9.0	130.2	31.4	22.4	8.7	124.4	34.4	21.4	8.3	118.2	37.4	20.3	7.7	111.4	40.4	19.2	7.3
	10	140.6	28.6	24.2	9.2	135.0	31.8	23.2	8.8	129.0	34.8	22.2	8.5	122.5	37.8	21.1	7.8	115.5	40.9	19.9	7.5
TRU1S1L 060	5	135.1	31.3	23.2	10.4	129.6	34.6	22.3	10.0	123.7	37.9	21.3	9.6	117.4	41.0	20.2	8.8	110.6	44.3	19.0	8.4
	6	140.9	31.6	24.2	10.6	135.2	35.0	23.3	10.2	129.1	38.2	22.2	9.8	122.5	41.5	21.1	9.0	115.4	44.8	19.9	8.6
	7	146.8	31.9	25.3	10.8	140.9	35.3	24.2	10.4	134.5	38.6	23.1	10.0	127.6	41.9	22.0	9.2	120.3	45.2	20.7	8.8
	8	152.7	32.3	26.3	11.0	146.5	35.7	25.2	10.6	139.9	39.0	24.1	10.2	132.7	42.3	22.8	9.4	125.1	45.7	21.5	9.0
	9	158.6	32.6	27.3	11.2	152.1	36.1	26.2	10.8	145.2	39.5	25.0	10.4	137.8	42.8	23.7	9.6	129.9	46.2	22.3	9.2
	10	164.4	33.0	28.3	11.4	157.8	36.5	27.1	11.0	150.6	39.9	25.9	10.6	142.9	43.3	24.6	9.8	134.7	46.8	23.2	9.3
TRU1S1L 070	5	154.3	35.6	26.5	13.5	148.0	39.3	25.4	13.0	141.1	42.9	24.3	12.5	133.9	46.5	23.0	11.5	126.0	50.2	21.7	11.0
	6	161.0	36.0	27.7	13.8	154.4	39.7	26.6	13.2	147.3	43.4	25.3	12.7	139.7	47.0	24.0	11.7	131.5	50.7	22.6	11.2
	7	167.7	36.3	28.9	14.0	160.8	40.1	27.7	13.5	153.4	43.8	26.4	13.0	145.5	47.5	25.0	12.0	137.0	51.2	23.6	11.4
	8	174.4	36.7	30.0	14.3	167.3	40.6	28.8	13.8	159.6	44.3	27.4	13.3	151.3	48.0	26.0	12.2	142.4	51.8	24.5	11.7
	9	181.2	37.1	31.2	14.6	173.7	41.0	29.9	14.1	165.7	44.8	28.5	13.5	157.1	48.5	27.0	12.4	147.9	52.3	25.4	11.9
	10	187.9	37.6	32.3	14.9	180.1	41.5	31.0	14.3	171.8	45.3	29.6	13.8	162.9	49.1	28.0	12.7	153.4	52.9	26.4	12.1
TRU1S1L 080	5	189.5	44.1	32.6	15.6	181.4	48.5	31.2	15.0	172.8	52.7	29.7	14.4	163.6	56.9	28.1	13.2	153.7	61.3	26.4	12.7
	6	197.8	44.6	34.0	15.9	189.3	49.0	32.6	15.3	180.3	53.2	31.0	14.7	170.7	57.5	29.4	13.5	160.4	61.9	27.6	12.9
	7	206.0	45.0	35.4	16.2	197.2	49.5	33.9	15.6	187.8	53.8	32.3	15.0	177.8	58.1	30.6	13.8	167.1	62.6	28.7	13.2
	8	214.2	45.5	36.8	16.5	205.0	50.0	35.3	15.9	195.3	54.4	33.6	15.3	184.9	58.7	31.8	14.1	173.8	63.2	29.9	13.5
	9	222.5	46.0	38.3	16.8	212.9	50.5	36.6	16.2	202.8	55.0	34.9	15.6	192.0	59.3	33.0	14.4	180.5	63.9	31.0	13.7
	10	230.7	46.6	39.7	17.2	220.8	51.1	38.0	16.5	210.3	55.6	36.2	15.9	199.1	60.0	34.2	14.6	187.1	64.7	32.2	14.0
TRU1S1L 090	5	215.4	51.2	37.1	15.6	206.0	56.0	35.4	15.0	196.0	60.6	33.7	14.4	185.3	65.3	31.9	13.2	173.9	70.3	29.9	12.7
	6	224.8	51.7	38.7	15.9	214.9	56.6	37.0	15.3	204.5	61.2	35.2	14.7	193.4	66.0	33.3	13.5	181.5	71.0	31.2	12.9
	7	234.2	52.3	40.3	16.2	223.9	57.1	38.5	15.6	213.0	61.9	36.6	15.0	201.4	66.7	34.6	13.8	189.1	71.7	32.5	13.2
	8	243.5	52.8	41.9	16.5	232.8	57.8	40.0	15.9	221.5	62.5	38.1	15.3	209.5	67.4	36.0	14.1	196.6	72.5	33.8	13.5
	9	252.9	53.4	43.5	16.8	241.8	58.4	41.6	16.2	230.0	63.2	39.6	15.6	217.5	68.1	37.4	14.4	204.2	73.3	35.1	13.7
	10	262.3	54.0	45.1	17.2	250.8	59.1	43.1	16.5	238.6	64.0	41.0	15.9	225.6	68.9	38.8	14.6	211.8	74.1	36.4	14.0
TRU1S2L 100	5	231.0	54.3	39.7	21.8	221.8	60.3	38.2	21.0	211.9	66.0	36.5	20.2	201.3	71.7	34.6	18.5	189.8	77.5	32.6	17.7
	6	241.0	54.8	41.5	22.2	231.5	60.9	39.8	21.4	221.2	66.7	38.0	20.6	210.1	72.4	36.1	18.9	198.0	78.3	34.1	18.1
	7	251.1	55.4	43.2	22.7	241.1	61.5	41.5	21.8	230.4	67.4	39.6	21.0	218.8	73.2	37.6	19.3	206.3	79.1	35.5	18.5
	8	261.1	56.0	44.9	23.1	250.8	62.2	43.1	22.3	239.6	68.1	41.2	21.4	227.6	74.0	39.1	19.7	214.6	80.0	36.9	18.8
	9	271.2	56.6	46.6	23.6	260.4	62.9	44.8	22.7	248.8	68.9	42.8	21.8	236.3	74.8	40.6	20.1	222.8	80.8	38.3	19.2
	10	281.2	57.3	48.4	24.0	270.1	63.6	46.4	23.2	258.0	69.7	44.4	22.3	245.1	75.7	42.2	20.5	231.1	81.8	39.7	19.6
TRU1S2L 110	5	250.6	58.4	43.1	24.9	240.5	64.7	41.4	24.0	229.7	70.9	39.5	23.0	218.1	76.9	37.5	21.2	205.5	83.1	35.4	20.3
	6	261.5	59.0	45.0	25.4	251.0	65.4	43.2	24.5	239.7	71.6	41.2	23.5	227.6	77.7	39.1	21.6	214.5	83.9	36.9	20.7
	7	272.4	59.6	46.8	25.9	261.4	66.1	45.0	25.0	249.7	72.3	42.9	24.0	237.0	78.5	40.8	22.1	223.4	84.8	38.4	21.1
	8	283.2	60.2	48.7	26.4	271.9	66.8	46.8	25.5	259.7	73.1	44.7	24.5	246.5	79.3	42.4	22.5	232.3	85.7	40.0	21.5
	9	294.1	60.9	50.6	27.0	282.3	67.5	48.6	26.0	269.6	73.9	46.4	25.0	256.0	80.2	44.0	23.0	241.3	86.6	41.5	22.0
	10	305.0	61.6	52.5	27.5	292.8	68.3	50.4	26.5	279.6	74.8	48.1	25.4	265.5	81.1	45.7	23.4	250.2	87.6	43.0	22.4
TRU1S2L 120	5	270.1	62.5	46.5	29.0	259.2	69.2	44.6	28.0	247.4	75.7	42.6	26.9	234.8	82.1	40.4	24.7	221.3	88.6	38.1	23.7
	6	281.9	63.2	48.5	29.6	270.4	69.9	46.5	28.5	258.2	76.5	44.4	27.4	245.0	82.9	42.1	25.2	230.9	89.5	39.7	24.1
	7	293.6	63.8	50.5	30.2	281.7	70.6	48.5	29.1	269.0	77.2	46.3	28.0	255.3	83.7	43.9	25.8	240.5	90.4	41.4	24.6
	8	305.4	64.5	52.5	30.8	293.0	71.4	50.4	29.7	279.7	78.1	48.1	28.6	265.5	84.7	45.7	26.3	250.1	91.4	43.0	25.1
	9	317.1	65.2	54.5	31.4	304.2	72.2	52.3	30.3	290.5	78.9	50.0	29.1	275.7	85.6	47.4	26.8	259.8	92.4	44.7	25.6
	10	328.9	66.0	56.6	32.1	315.5	73.0	54.3	30.9	301.2	79.9	51.8	29.7	285.9	86.6	49.2	27.3	269.4	93.5	46.3	26.1
TRU1S2L 130	5	289.4	66.9	49.8	41.5	277.5	73.9	47.7	39.9	264.9	80.8	45.6	38.4	251.3	87.5	43.2	35.3	236.6	94.5	40.7	33.8
	6	302.0	67.5	51.9	42.3	289.6	74.7	49.8	40.8	276.4	81.6	47.5	39.2	262.2	88.4	45.1	36.1	246.9	95.5	42.5	34.5
	7	314.6	68.2	54.1	43.2	301.7	75.5	51.9	41.6	287.9	82.4	49.5	40.0	273.1	89.3	47.0	36.8	257.2	96.4	44.2	35.2
	8	327.1	69.0	56.3	44.1	313.7	76.3	54.0	42.4	299.4	83.3	51.5	40.8	284.0	90.3	48.9	37.5	267.5	97.5	46.0	35.9
	9	339.7	69.7	58.4	44.9	325.8	77.1	56.0	43.3	310.9	84.2	53.5	41.6	295.0	91.3	50.7	38.3	277.8	98.5	47.8	36.6
	10	352.3	70.5	60.6	45.8	337.9	78.0	58.1	44.1	322.4	85.2	55.5	42.4	305.9	92.4	52.6	39.0	288.1	99.7	49.6	37.3
TRU1S2L 140	5	308.6	71.2	53.1	47.7	295.9	78.7	50.9	45.9	282.3	85.9	48.6	44.2	267.7	93.0	46.0	40.6	252.0	100.4	43.3	38.9
	6	322.1	71.9	55.4	48.7	308.8	79.5	53.1	46.9	294.6	86.7	50.7	45.1	279.3	94.0	48.0	41.5	263.0	101.4	45.2	39.7
	7	335.5	72.6	57.7	49.7	321.6	80.3	55.3	47.8	306.8	87.6	52.8	46.0	291.0	94.9	50.0	42.3	273.9	102.4	47.1	40.5
	8	348.9	73.4	60.0	50.7	334.5	81.2	57.5	48.8	319.1	88.6	54.9	46.9	302.6	96.0	52.1	43.2	284.9	103.5	49.0	41.3
	9	362.3	74.2	62.3	51.7	347.4	82.0	59.7	49.8	331.4	89.5	57.0	47.8	314.3	97.0	54.1	44.0	295.8	104.7	50.9	42.1
	10	375.7	75.1	64.6	52.7	360.2	83.0	62.0	50.7	343.7	90.6	59.1	48.8	325.9	98.1	56.1	44.9	306.8	105.9	52.8	42.9
TRU1S2L 150	5	343.8	79.7	59.1	33.2	329.3	87.8	56.6	31.9	313.9	95.6	54.0	30.7	297.4	103.4	51.2	28.3	279.7	111.5	48.1	27.0
	6	358.8	80.5	61.7	33.9	343.7	88.7	59.1	32.6	327.6	96.6	56.3	31.4	310.3	104.5	53.4	28.9	291.9	112.6	50.2	27.6
	7	373.7	81.4	64.3	34.6	358.0	89.6	61.6	33.3	341.2	97.6	58.7	32.0	323.3	105.5	55.6	29.4	304.1	113.8	52.3	28.2
	8	388.7	82.3	66.9	35.3	372.3	90.6	64.0	33.9	354.9	98.7	61.0	32.6	336.2	106.7	57.8	30.0	316.2	115.0	54.4	28.7
	9	403.6	83.2	69.4	35.9	386.6	91.6	66.5	34.6	368.5	99.7	63.4	33.3	349.1	107.8	60.1	30.6	328.4	116.3	56.5	29.3
	10	418.6	84.1	72.0	36.6	400.9	92.6	69.0	35.3	382.2	100.9	65.7	33.9	362.1	109.1	62.3	31.2	340.5	117.6	58.6	29.8
TRU1S2L 160	5	379.0	88.3	65.2	40.4	362.8	96.9	62.4	38.9	345.6	105.4	59.4	37.4	327.1	113.8	56.3	34.4	307.4	122.6	52.9	32.9
	6	395.5	89.2	68.0	41.3	378.5	97.9	65.1	39.7	360.6	106.5	62.0	38.2	341.4	115.0	58.7	35.2	320.8	123.9	55.2	33.6
	7	412.0	90.1	70.9	42.1	394.3	98.9	67.8	40.6	375.6	107.5	64.6	39.0	355.6	116.1	61.2	35.9	334.2	125.1	57.5	34.3
	8	428.5	91.1	73.7	43.0	410.1	100.0	70.5	41.4	390.6	108.7	67.2	39.8	369.8	117.4	63.6	36.6	347.5	126.5	59.8	35.0
	9	444.9	92.1	76.5	43.8	425.9	101.1	73.2	42.2	405.6	109.9	69.8	40.6	384.0	118.7	66.1	37.3	360.9	127.9	62.1	35.7
	10	461.4	93.1	79.4	44.6	441.6	102.3	76.0	43.0	420.7	111.2	72.4	41.3	398.2	120.1	68.5	38.0	374.3	129.4	64.4	36.4
TRU1S2L 170	5	404.9	95.4	69.7	51.8	387.4	104.5	66.6	49.9	368.7	113.3	63.4	48.0	348.9	122.2	60.0	44.2	327.7	131.6	56.4	42.2
	6	422.6	96.3	72.7	52.9	404.2	105.5	69.5	51.0	384.8	114.5	66.2	49.0	364.0	123.5	62.6	45.1	341.9	132.9	58.8	43.1
	7	440.2	97.3	75.7	54.0	421.1	106.6	72.4	52.0	400.8	115.6	68.9	50.0	379.2	124.7	65.2	46.0	356.2	134.3	61.3	44.0
	8	457.8	98.4	78.7	55.1	437.9	107.8	75.3	53.0	416.8	116.9	71.7	51.0	394.4	126.1	67.8	46.9	370.4	135.7	63.7	44.9
	9	475.4	99.4	81.8	56.2	454.7	108.9	78.2	54.1	432.9	118.2	74.5	52.0	409.5	127.5	70.4	47.8	384.7	137.2	66.2	45.8
	10	493.0	100.6	84.8	57.2	471.6	110.2	81.1	55.1	448.9	119.6	77.2	53.0	424.7	129.0	73.0	48.8	398.9	138.8	68.6	46.6
TRU1S2L 180	5	430.9	102.4	74.1	57.0	412.0	112.0	70.9	54.9	391.9	121.3	67.4	52.8	370.6	130.7	63.7	48.6	347.9	140.5	59.8	46.5
	6	449.6	103.5	77.3	58.2	429.9	113.1	73.9	56.1	409.0	122.5	70.3	53.9	386.7	132.0	66.5	49.6	363.0	142.0	62.4	47.4
	7	468.3	104.5	80.6	59.4	447.8	114.3	77.0	57.2	426.0	123.7	73.3	55.0	402.8	133.4	69.3	50.6	378.1	143.4	65.0	48.4
	8	487.1	105.7	83.8	60.6	465.7	115.5	80.1	58.3	443.0	125.1	76.2	56.1	418.9	134.8	72.1	51.6	393.3	145.0	67.6	49.4
	9	505.8	106.8	87.0	61.8	483.6	116.8	83.2	59.5	460.1	126.5	79.1	57.2	435.0	136.3	74.8	52.6	408.4	146.6	70.2	50.3
	10	524.5	108.1	90.2	63.0	501.5	118.1	86.3	60.6	477.1	127.9	82.1	58.3	451.2	137.9	77.6	53.6	423.5	148.3	72.8	51.3

Refrigerant: R134a
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Remote Cooled Screw Chiller Performance data / R134a – Tropical

Model	LWT (°C)	Ambient temperature (°C)																			
		35				40				45				50				55			
		CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)	CAP (kw)	Pi (kw)	WFR (m3/h)	WPD (kpa)
TYU1S1L 050	5.0	106.0	33.0	18.2	8.3	100.7	35.9	17.3	8.0	94.9	38.8	16.3	7.7	88.7	41.9	15.3	7.1	81.9	45.4	14.1	6.8
	6.0	110.6	33.4	19.0	8.5	105.0	36.2	18.1	8.2	99.0	39.2	17.0	7.8	92.5	42.3	15.9	7.2	85.5	45.8	14.7	6.9
	7.0	115.2	33.7	19.8	8.6	109.4	36.6	18.8	8.3	103.2	39.5	17.7	8.0	96.4	42.7	16.6	7.4	89.1	46.3	15.3	7.0
	8.0	119.8	34.1	20.6	8.8	113.8	37.0	19.6	8.5	107.3	40.0	18.5	8.2	100.2	43.2	17.2	7.5	92.6	46.8	15.9	7.2
	9.0	124.4	34.4	21.4	9.0	118.2	37.4	20.3	8.7	111.4	40.4	19.2	8.3	104.1	43.6	17.9	7.7	96.2	47.3	16.5	7.3
	10.0	129.0	34.8	22.2	9.2	122.5	37.8	21.1	8.8	115.5	40.9	19.9	8.5	107.9	44.2	18.6	7.8	99.7	47.9	17.2	7.5
TYU1S1L 060	5.0	123.7	37.9	21.3	10.4	117.4	41.0	20.2	10.0	110.6	44.3	19.0	9.6	103.3	47.8	17.8	8.8	95.4	51.8	16.4	8.4
	6.0	129.1	38.2	22.2	10.6	122.5	41.5	21.1	10.2	115.4	44.8	19.9	9.8	107.8	48.3	18.5	9.0	99.6	52.4	17.1	8.6
	7.0	134.5	38.6	23.1	10.8	127.6	41.9	22.0	10.4	120.3	45.2	20.7	10.0	112.3	48.8	19.3	9.2	103.7	52.9	17.8	8.8
	8.0	139.9	39.0	24.1	11.0	132.7	42.3	22.8	10.6	125.1	45.7	21.5	10.2	116.8	49.3	20.1	9.4	107.8	53.5	18.5	9.0
	9.0	145.2	39.5	25.0	11.2	137.8	42.8	23.7	10.8	129.9	46.2	22.3	10.4	121.3	49.9	20.9	9.6	112.0	54.0	19.3	9.2
	10.0	150.6	39.9	25.9	11.4	142.9	43.3	24.6	11.0	134.7	46.8	23.2	10.6	125.8	50.5	21.6	9.8	116.1	54.7	20.0	9.3
TYU1S1L 070	5.0	141.1	42.9	24.3	13.5	133.9	46.5	23.0	13.0	126.0	50.2	21.7	12.5	117.6	54.1	20.2	11.5	108.5	58.7	18.7	11.0
	6.0	147.3	43.4	25.3	13.8	139.7	47.0	24.0	13.2	131.5	50.7	22.6	12.7	122.7	54.7	21.1	11.7	113.2	59.3	19.5	11.2
	7.0	153.4	43.8	26.4	14.0	145.5	47.5	25.0	13.5	137.0	51.2	23.6	13.0	127.8	55.3	22.0	12.0	118.0	59.9	20.3	11.4
	8.0	159.6	44.3	27.4	14.3	151.3	48.0	26.0	13.8	142.4	51.8	24.5	13.3	132.9	55.9	22.9	12.2	122.7	60.5	21.1	11.7
	9.0	165.7	44.8	28.5	14.6	157.1	48.5	27.0	14.1	147.9	52.3	25.4	13.5	138.0	56.5	23.7	12.4	127.4	61.2	21.9	11.9
	10.0	171.8	45.3	29.6	14.9	162.9	49.1	28.0	14.3	153.4	52.9	26.4	13.8	143.1	57.1	24.6	12.7	132.1	61.9	22.7	12.1
TYU1S1L 080	5.0	172.8	52.7	29.7	15.6	163.6	56.9	28.1	15.0	153.7	61.3	26.4	14.4	143.2	66.1	24.6	13.2	132.0	71.6	22.7	12.7
	6.0	180.3	53.2	31.0	15.9	170.7	57.5	29.4	15.3	160.4	61.9	27.6	14.7	149.4	66.8	25.7	13.5	137.7	72.3	23.7	12.9
	7.0	187.8	53.8	32.3	16.2	177.8	58.1	30.6	15.6	167.1	62.6	28.7	15.0	155.6	67.4	26.8	13.8	143.4	73.1	24.7	13.2
	8.0	195.3	54.4	33.6	16.5	184.9	58.7	31.8	15.9	173.8	63.2	29.9	15.3	161.9	68.2	27.8	14.1	149.2	73.9	25.7	13.5
	9.0	202.8	55.0	34.9	16.8	192.0	59.3	33.0	16.2	180.5	63.9	31.0	15.6	168.1	68.9	28.9	14.4	154.9	74.7	26.6	13.7
	10.0	210.3	55.6	36.2	17.2	199.1	60.0	34.2	16.5	187.1	64.7	32.2	15.9	174.3	69.7	30.0	14.6	160.6	75.5	27.6	14.0
TYU1S1L 090	5.0	196.0	60.6	33.7	15.6	185.3	65.3	31.9	15.0	173.9	70.3	29.9	14.4	161.9	75.7	27.8	13.2	149.0	82.0	25.6	12.7
	6.0	204.5	61.2	35.2	15.9	193.4	66.0	33.3	15.3	181.5	71.0	31.2	14.7	168.9	76.5	29.1	13.5	155.5	82.8	26.8	12.9
	7.0	213.0	61.9	36.6	16.2	201.4	66.7	34.6	15.6	189.1	71.7	32.5	15.0	176.0	77.3	30.3	13.8	162.0	83.7	27.9	13.2
	8.0	221.5	62.5	38.1	16.5	209.5	67.4	36.0	15.9	196.6	72.5	33.8	15.3	183.0	78.1	31.5	14.1	168.5	84.6	29.0	13.5
	9.0	230.0	63.2	39.6	16.8	217.5	68.1	37.4	16.2	204.2	73.3	35.1	15.6	190.0	79.0	32.7	14.4	175.0	85.5	30.1	13.7
	10.0	238.6	64.0	41.0	17.2	225.6	68.9	38.8	16.5	211.8	74.1	36.4	15.9	197.1	79.9	33.9	14.6	181.5	86.5	31.2	14.0
TYU1S2L 100	5.0	211.9	66.0	36.5	21.8	201.3	71.7	34.6	21.0	189.8	77.5	32.6	20.2	177.3	83.7	30.5	18.5	163.9	90.7	28.2	17.7
	6.0	221.2	66.7	38.0	22.2	210.1	72.4	36.1	21.4	198.0	78.3	34.1	20.6	185.1	84.6	31.8	18.9	171.0	91.6	29.4	18.1
	7.0	230.4	67.4	39.6	22.7	218.8	73.2	37.6	21.8	206.3	79.1	35.5	21.0	192.8	85.4	33.2	19.3	178.1	92.6	30.6	18.5
	8.0	239.6	68.1	41.2	23.1	227.6	74.0	39.1	22.3	214.6	80.0	36.9	21.4	200.5	86.3	34.5	19.7	185.2	93.6	31.9	18.8
	9.0	248.8	68.9	42.8	23.6	236.3	74.8	40.6	22.7	222.8	80.8	38.3	21.8	208.2	87.3	35.8	20.1	192.4	94.6	33.1	19.2
	10.0	258.0	69.7	44.4	24.0	245.1	75.7	42.2	23.2	231.1	81.8	39.7	22.3	215.9	88.3	37.1	20.5	199.5	95.7	34.3	19.6
TYU1S2L 110	5.0	229.7	70.9	39.5	24.9	218.1	76.9	37.5	24.0	205.5	83.1	35.4	23.0	192.0	89.7	33.0	21.2	177.3	97.2	30.5	20.3
	6.0	239.7	71.6	41.2	25.4	227.6	77.7	39.1	24.5	214.5	83.9	36.9	23.5	200.3	90.6	34.5	21.6	185.0	98.2	31.8	20.7
	7.0	249.7	72.3	42.9	25.9	237.0	78.5	40.8	25.0	223.4	84.8	38.4	24.0	208.7	91.5	35.9	22.1	192.8	99.2	33.2	21.1
	8.0	259.7	73.1	44.7	26.4	246.5	79.3	42.4	25.5	232.3	85.7	40.0	24.5	217.0	92.5	37.3	22.5	200.5	100.3	34.5	21.5
	9.0	269.6	73.9	46.4	27.0	256.0	80.2	44.0	26.0	241.3	86.6	41.5	25.0	225.4	93.5	38.8	23.0	208.2	101.3	35.8	22.0
	10.0	279.6	74.8	48.1	27.5	265.5	81.1	45.7	26.5	250.2	87.6	43.0	25.4	233.7	94.6	40.2	23.4	215.9	102.5	37.1	22.4
TYU1S2L 120	5.0	247.4	75.7	42.6	29.0	234.8	82.1	40.4	28.0	221.3	88.6	38.1	26.9	206.6	95.7	35.5	24.7	190.8	103.6	32.8	23.7
	6.0	258.2	76.5	44.4	29.6	245.0	82.9	42.1	28.5	230.9	89.5	39.7	27.4	215.6	96.6	37.1	25.2	199.1	104.7	34.2	24.1
	7.0	269.0	77.2	46.3	30.2	255.3	83.7	43.9	29.1	240.5	90.4	41.4	28.0	224.6	97.6	38.6	25.8	207.4	105.8	35.7	24.6
	8.0	279.7	78.1	48.1	30.8	265.5	84.7	45.7	29.7	250.1	91.4	43.0	28.6	233.5	98.7	40.2	26.3	215.7	106.9	37.1	25.1
	9.0	290.5	78.9	50.0	31.4	275.7	85.6	47.4	30.3	259.8	92.4	44.7	29.1	242.5	99.8	41.7	26.8	224.0	108.1	38.5	25.6
	10.0	301.2	79.9	51.8	32.1	285.9	86.6	49.2	30.9	269.4	93.5	46.3	29.7	251.5	100.9	43.3	27.3	232.3	109.4	40.0	26.1
TYU1S2L 130	5.0	264.9	80.8	45.6	41.5	251.3	87.5	43.2	39.9	236.6	94.5	40.7	38.4	220.9	102.0	38.0	35.3	203.9	110.5	35.1	33.8
	6.0	276.4	81.6	47.5	42.3	262.2	88.4	45.1	40.8	246.9	95.5	42.5	39.2	230.5	103.0	39.6	36.1	212.8	111.6	36.6	34.5
	7.0	287.9	82.4	49.5	43.2	273.1	89.3	47.0	41.6	257.2	96.4	44.2	40.0	240.1	104.1	41.3	36.8	221.7	112.7	38.1	35.2
	8.0	299.4	83.3	51.5	44.1	284.0	90.3	48.9	42.4	267.5	97.5	46.0	40.8	249.7	105.2	42.9	37.5	230.5	114.0	39.6	35.9
	9.0	310.9	84.2	53.5	44.9	295.0	91.3	50.7	43.3	277.8	98.5	47.8	41.6	259.3	106.3	44.6	38.3	239.4	115.2	41.2	36.6
	10.0	322.4	85.2	55.5	45.8	305.9	92.4	52.6	44.1	288.1	99.7	49.6	42.4	268.9	107.6	46.2	39.0	248.2	116.6	42.7	37.3
TYU1S2L 140	5.0	282.3	85.9	48.6	47.7	267.7	93.0	46.0	45.9	252.0	100.4	43.3	44.2	235.2	108.3	40.4	40.6	217.0	117.3	37.3	38.9
	6.0	294.6	86.7	50.7	48.7	279.3	94.0	48.0	46.9	263.0	101.4	45.2	45.1	245.4	109.4	42.2	41.5	226.5	118.5	39.0	39.7
	7.0	306.8	87.6	52.8	49.7	291.0	94.9	50.0	47.8	273.9	102.4	47.1	46.0	255.6	110.5	44.0	42.3	235.9	119.7	40.6	40.5
	8.0	319.1	88.6	54.9	50.7	302.6	96.0	52.1	48.8	284.9	103.5	49.0	46.9	265.8	111.7	45.7	43.2	245.3	121.0	42.2	41.3
	9.0	331.4	89.5	57.0	51.7	314.3	97.0	54.1	49.8	295.8	104.7	50.9	47.8	276.0	112.9	47.5	44.0	254.8	122.3	43.8	42.1
	10.0	343.7	90.6	59.1	52.7	325.9	98.1	56.1	50.7	306.8	105.9	52.8	48.8	286.3	114.3	49.2	44.9	264.2	123.8	45.4	42.9
TYU1S2L 150	5.0	313.9	95.6	54.0	33.2	297.4	103.4	51.2	31.9	279.7	111.5	48.1	30.7	260.8	120.2	44.8	28.3	240.5	130.2	41.4	27.0
	6.0	327.6	96.6	56.3	33.9	310.3	104.5	53.4	32.6	291.9	112.6	50.2	31.4	272.1	121.5	46.8	28.9	250.9	131.6	43.2	27.6
	7.0	341.2	97.6	58.7	34.6	323.3	105.5	55.6	33.3	304.1	113.8	52.3	32.0	283.4	122.7	48.7	29.4	261.4	132.9	45.0	28.2
	8.0	354.9	98.7	61.0	35.3	336.2	106.7	57.8	33.9	316.2	115.0	54.4	32.6	294.8	124.0	50.7	30.0	271.8	134.4	46.8	28.7
	9.0	368.5	99.7	63.4	35.9	349.1	107.8	60.1	34.6	328.4	116.3	56.5	33.3	306.1	125.4	52.6	30.6	282.3	135.8	48.6	29.3
	10.0	382.2	100.9	65.7	36.6	362.1	109.1	62.3	35.3	340.5	117.6	58.6	33.9	317.4	126.9	54.6	31.2	292.7	137.4	50.4	29.8
TYU1S2L 160	5.0	345.6	105.4	59.4	40.4	327.1	113.8	56.3	38.9	307.4	122.6	52.9	37.4	286.4	132.2	49.3	34.4	263.9	143.2	45.4	32.9
	6.0	360.6	106.5	62.0	41.3	341.4	115.0	58.7	39.7	320.8	123.9	55.2	38.2	298.8	133.5	51.4	35.2	275.4	144.6	47.4	33.6
	7.0	375.6	107.5	64.6	42.1	355.6	116.1	61.2	40.6	334.2	125.1	57.5	39.0	311.3	134.9	53.5	35.9	286.9	146.1	49.3	34.3
	8.0	390.6	108.7	67.2	43.0	369.8	117.4	63.6	41.4	347.5	126.5	59.8	39.8	323.7	136.3	55.7	36.6	298.3	147.7	51.3	35.0
	9.0	405.6	109.9	69.8	43.8	384.0	118.7	66.1	42.2	360.9	127.9	62.1	40.6	336.2	137.8	57.8	37.3	309.8	149.3	53.3	35.7
	10.0	420.7	111.2	72.4	44.6	398.2	120.1	68.5	43.0	374.3	129.4	64.4	41.3	348.6	139.4	60.0	38.0	321.3	151.1	55.3	36.4
TYU1S2L 170	5.0	368.7	113.3	63.4	51.8	348.9	122.2	60.0	49.9	327.7	131.6	56.4	48.0	305.1	141.8	52.5	44.2	281.0	153.6	48.3	42.2
	6.0	384.8	114.5	66.2	52.9	364.0	123.5	62.6	51.0	341.9	132.9	58.8	49.0	318.3	143.2	54.8	45.1	293.2	155.2	50.4	43.1
	7.0	400.8	115.6	68.9	54.0	379.2	124.7	65.2	52.0	356.2	134.3	61.3	50.0	331.6	144.7	57.0	46.0	305.4	156.7	52.5	44.0
	8.0	416.8	116.9	71.7	55.1	394.4	126.1	67.8	53.0	370.4	135.7	63.7	51.0	344.8	146.3	59.3	46.9	317.7	158.5	54.6	44.9
	9.0	432.9	118.2	74.5	56.2	409.5	127.5	70.4	54.1	384.7	137.2	66.2	52.0	358.1	147.9	61.6	47.8	329.9	160.2	56.7	45.8
	10.0	448.9	119.6	77.2	57.2	424.7	129.0	73.0	55.1	398.9	138.8	68.6	53.0	371.4	149.6	63.9	48.8	342.1	162.1	58.8	46.6
TYU1S2L 180	5.0	391.9	121.3	67.4	57.0	370.6	130.7	63.7	54.9	347.9	140.5	59.8	52.8	323.7	151.4	55.7	48.6	298.1	164.0	51.3	46.5
	6.0	409.0	122.5	70.3	58.2	386.7	132.0	66.5	56.1	363.0	142.0	62.4	53.9	337.8	153.0	58.1	49.6	311.1	165.7	53.5	47.4
	7.0	426.0	123.7	73.3	59.4	402.8	133.4	69.3	57.2	378.1	143.4	65.0	55.0	351.9	154.5	60.5	50.6	324.0	167.4	55.7	48.4
	8.0	443.0	125.1	76.2	60.6	418.9	134.8	72.1	58.3	393.3	145.0	67.6	56.1	366.0	156.2	62.9	51.6	337.0	169.2	58.0	49.4
	9.0	460.1	126.5	79.1	61.8	435.0	136.3	74.8	59.5	408.4	146.6	70.2	57.2	380.1	157.9	65.4	52.6	349.9	171.1	60.2	50.3
	10.0	477.1	127.9	82.1	63.0	451.2	137.9	77.6	60.6	423.5	148.3	72.8	58.3	394.1	159.8	67.8	53.6	362.9	173.1	62.4	51.3

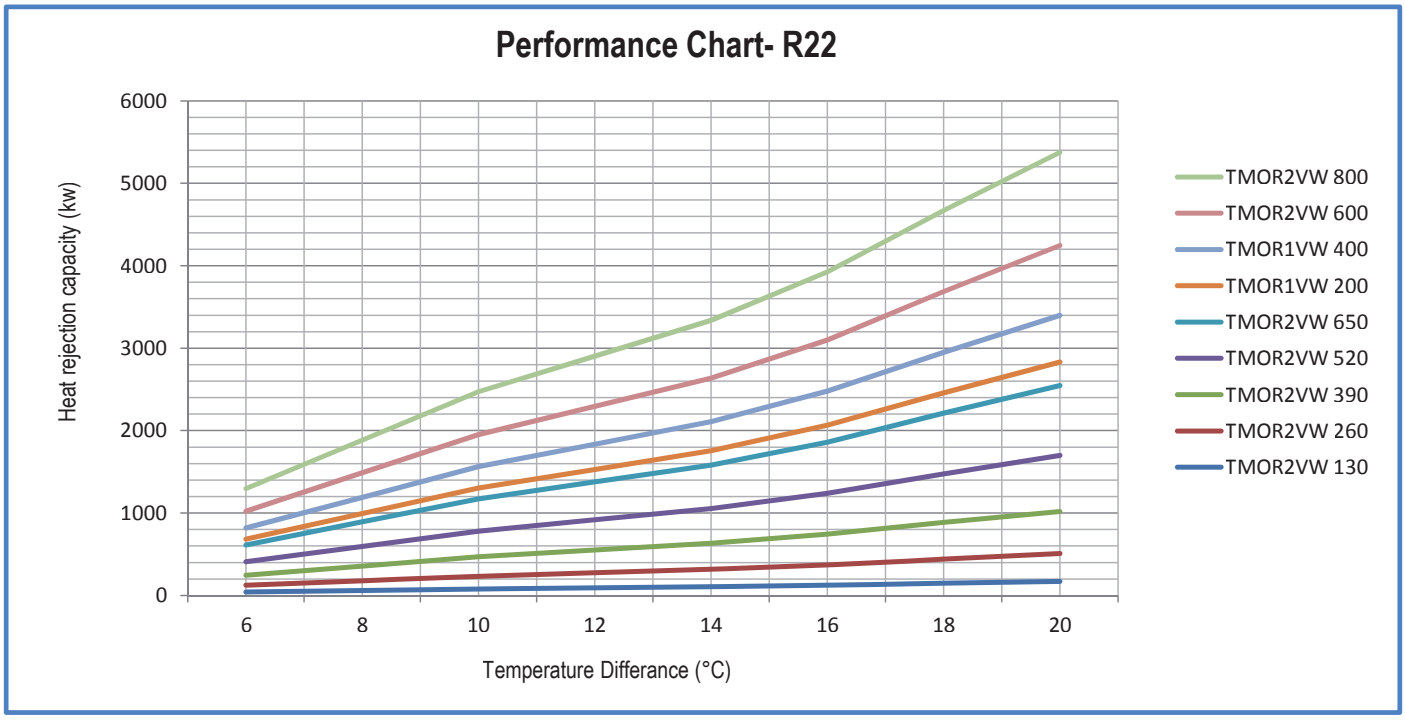
Refrigerant: R134a
LWT: Leaving Chilled Water Temperature (°C)
CAP: Cooling Capacity (kW)
Pi: Total power input (kW)
Chilled Water Range is 5°C

Air Cooled Condenser Performance data / R22 / Fin and Tube Coil

Model	Heat Rejection Capacity (KW)							
	Temperature Differance (°C)							
	6	8	10	12	14	16	18	20
TMOR2VW 130	40.9	59.5	78.1	91.8	105.4	124.0	147.6	169.9
TMOR2VW 260	81.8	119.0	156.2	183.5	210.8	248.0	295.1	339.8
TMOR2VW 390	122.8	178.6	234.4	275.3	316.2	372.0	442.7	509.6
TMOR2VW 520	163.7	238.1	312.5	367.0	421.6	496.0	590.2	679.5
TMOR2VW 650	204.6	297.6	390.6	458.8	527.0	620.0	737.8	849.4
TMOR1VW 200	68.1	99.1	130.1	152.8	175.5	206.5	245.7	282.9
TMOR1VW 400	136.3	198.2	260.2	305.6	351.1	413.0	491.5	565.8
TMOR2VW 600	204.4	297.4	390.3	458.4	526.6	619.5	737.2	848.7
TMOR2VW 800	272.6	396.5	520.4	611.2	702.1	826.0	982.9	1131.6

Temperature Differance: Condensing Temperature - Ambient Temperature

Elevation: sea level

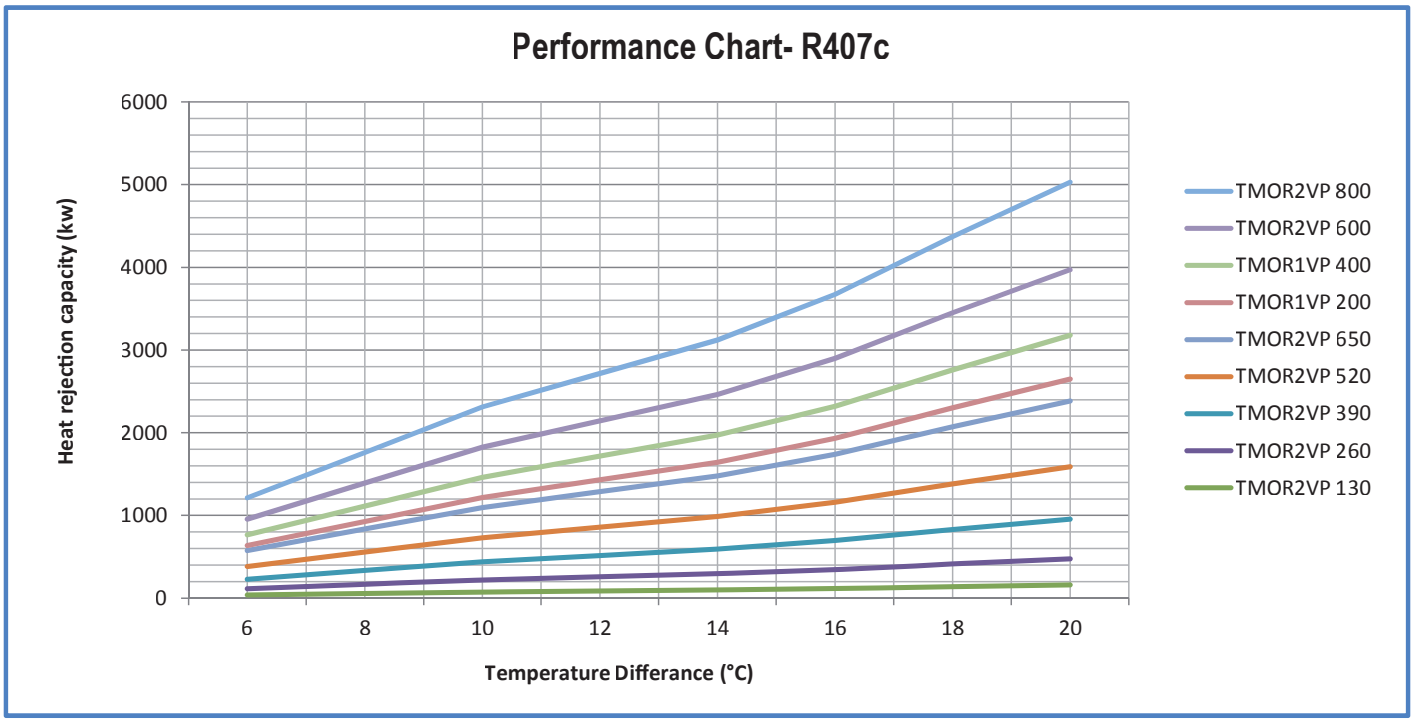


Air Cooled Condenser Performance data / R407C / Fin and Tube Coil

Model	Heat Rejection Capacity (KW)							
	Temperature Differance (°C)							
	6	8	10	12	14	16	18	20
TMOR2VP 130	38.3	55.7	73.1	85.8	98.6	116.0	138.0	158.9
TMOR2VP 260	76.6	111.4	146.2	171.7	197.2	232.0	276.1	317.8
TMOR2VP 390	114.8	167.0	219.2	257.5	295.8	348.0	414.1	476.8
TMOR2VP 520	153.1	222.7	292.3	343.4	394.4	464.0	552.2	635.7
TMOR2VP 650	191.4	278.4	365.4	429.2	493.0	580.0	690.2	794.6
TMOR1VP 200	63.8	92.7	121.7	143.0	164.2	193.2	229.9	264.7
TMOR1VP 400	127.5	185.5	243.4	285.9	328.4	386.4	459.8	529.4
TMOR2VP 600	191.3	278.2	365.1	428.9	492.7	579.6	689.7	794.1
TMOR2VP 800	255.0	370.9	486.9	571.9	656.9	772.8	919.6	1058.7

Temperature Differance: Condensing Temperature - Ambient Temperature

Elevation: sea level

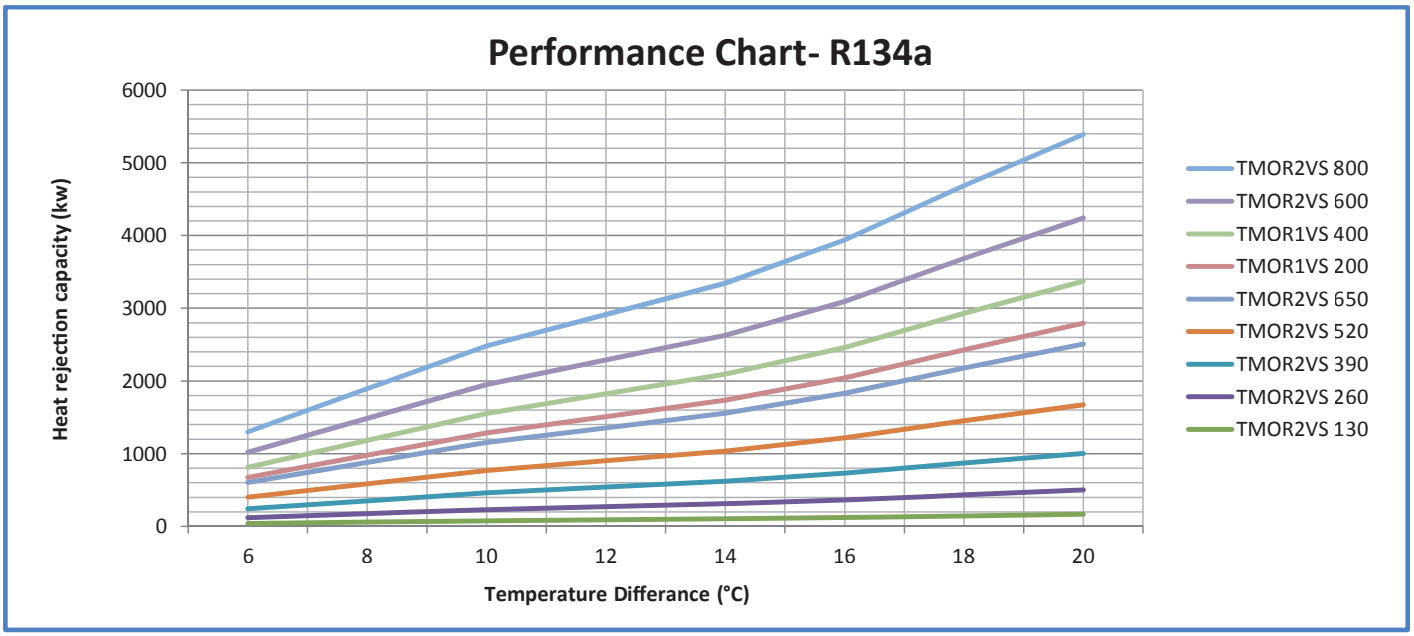


Air Cooled Condenser Performance data / R134a / Fin and Tube Coil

Model	Heat Rejection Capacity (KW)							
	Temperature Difference (°C)							
	6	8	10	12	14	16	18	20
TMOR2VS 130	40.3	58.6	76.9	90.3	103.7	122.0	145.2	167.1
TMOR2VS 260	80.5	117.1	153.7	180.6	207.4	244.0	290.4	334.3
TMOR2VS 390	120.8	175.7	230.6	270.8	311.1	366.0	435.5	501.4
TMOR2VS 520	161.0	234.2	307.4	361.1	414.8	488.0	580.7	668.6
TMOR2VS 650	201.3	292.8	384.3	451.4	518.5	610.0	725.9	835.7
TMOR1VS 200	69.5	101.1	132.7	155.8	179.0	210.6	250.6	288.5
TMOR1VS 400	139.0	202.2	265.4	311.7	358.0	421.2	501.2	577.0
TMOR2VS 600	208.5	303.3	398.0	467.5	537.0	631.8	751.8	865.6
TMOR2VS 800	278.0	404.4	530.7	623.4	716.0	842.4	1002.5	1154.1

Temperature Differance: Condensing Temperature - Ambient Temperature

Elevation: sea level

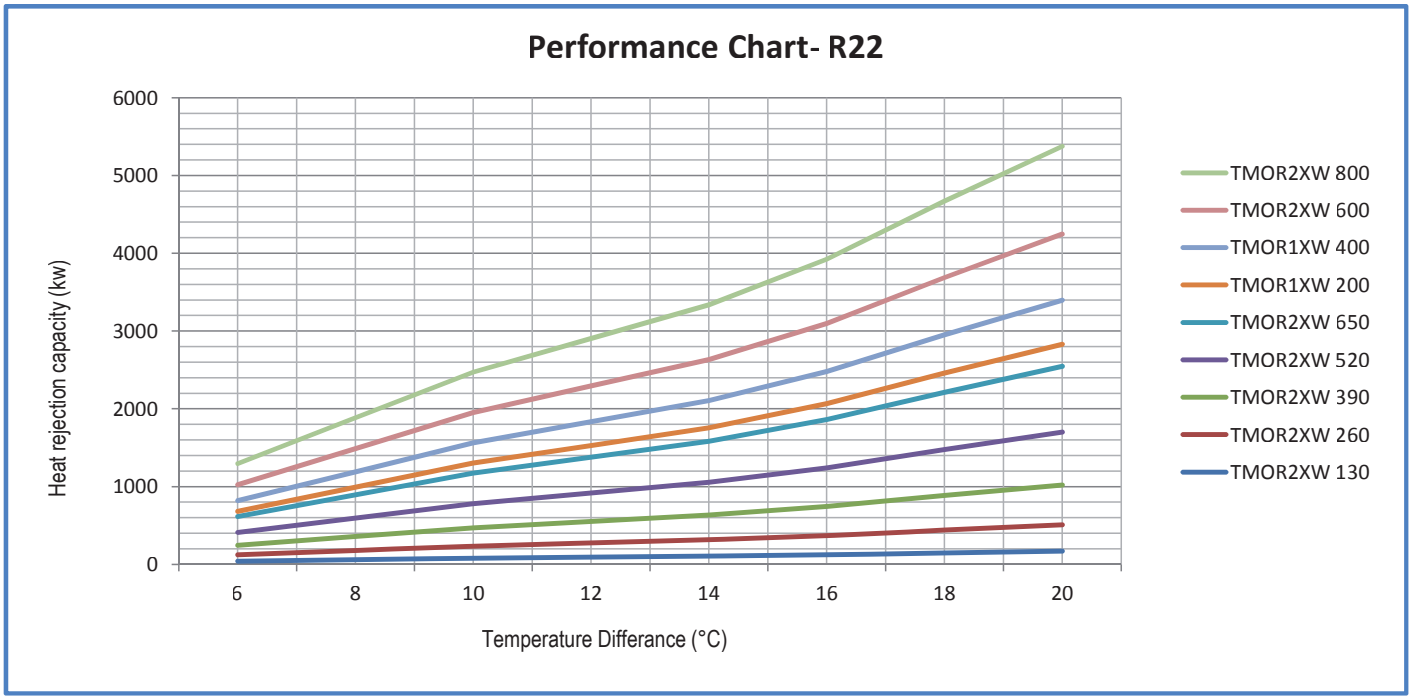


Air Cooled Condenser Performance data / R22 / Micro-Channel Coil

Model	Heat Rejection Capacity (KW)							
	Temperature Differance (°C)							
	6	8	10	12	14	16	18	20
TMOR2XW 130	40.9	59.5	78.1	91.8	105.4	124.0	147.6	169.9
TMOR2XW 260	81.8	119.0	156.2	183.5	210.8	248.0	295.1	339.8
TMOR2XW 390	122.8	178.6	234.4	275.3	316.2	372.0	442.7	509.6
TMOR2XW 520	163.7	238.1	312.5	367.0	421.6	496.0	590.2	679.5
TMOR2XW 650	204.6	297.6	390.6	458.8	527.0	620.0	737.8	849.4
TMOR1XW 200	68.1	99.1	130.1	152.8	175.5	206.5	245.7	282.9
TMOR1XW 400	136.3	198.2	260.2	305.6	351.1	413.0	491.5	565.8
TMOR2XW 600	204.4	297.4	390.3	458.4	526.6	619.5	737.2	848.7
TMOR2XW 800	272.6	396.5	520.4	611.2	702.1	826.0	982.9	1131.6

Temperature Differance: Condensing Temperature - Ambient Temperature

Elevation: sea level

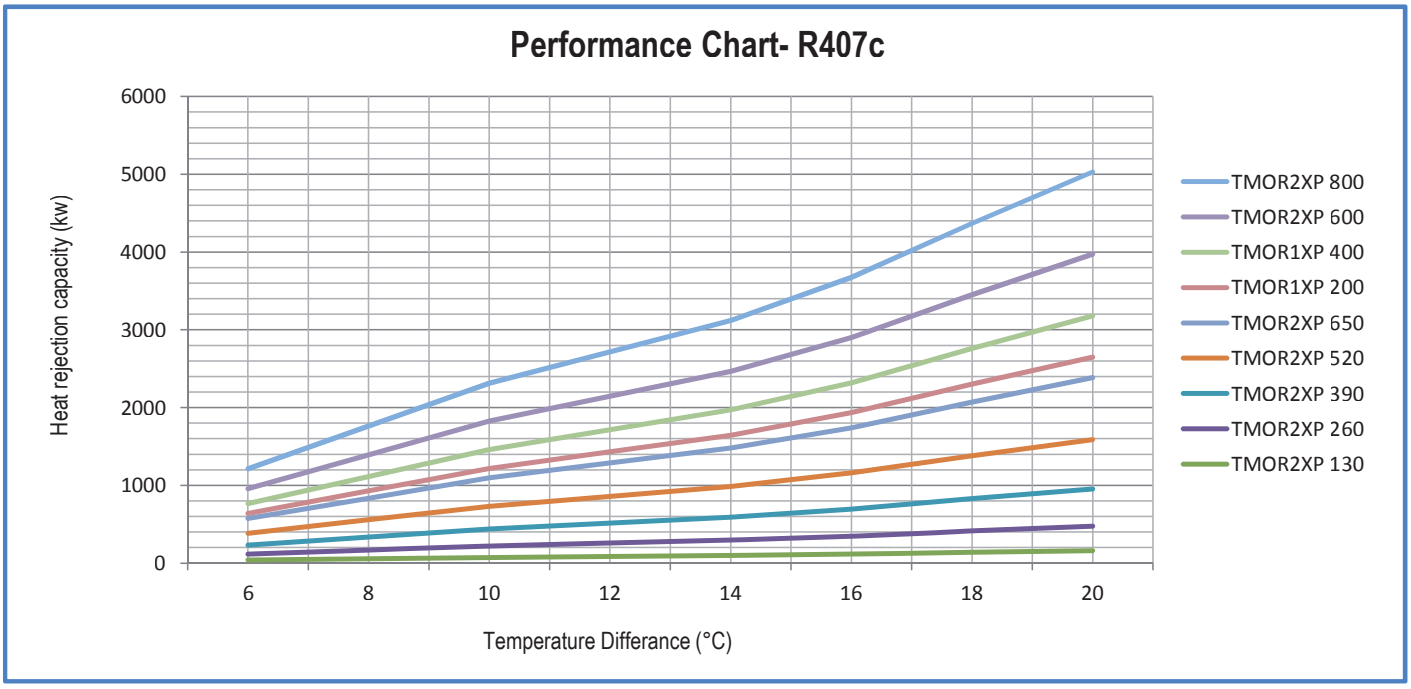


Air Cooled Condenser Performance data / R407C / Micro-Channel Coil

Model	Heat Rejection Capacity (KW)							
	Temperature Differance (°C)							
	6	8	10	12	14	16	18	20
TMOR2XP 130	38.3	55.7	73.1	85.8	98.6	116.0	138.0	158.9
TMOR2XP 260	76.6	111.4	146.2	171.7	197.2	232.0	276.1	317.8
TMOR2XP 390	114.8	167.0	219.2	257.5	295.8	348.0	414.1	476.8
TMOR2XP 520	153.1	222.7	292.3	343.4	394.4	464.0	552.2	635.7
TMOR2XP 650	191.4	278.4	365.4	429.2	493.0	580.0	690.2	794.6
TMOR1XP 200	63.8	92.7	121.7	143.0	164.2	193.2	229.9	264.7
TMOR1XP 400	127.5	185.5	243.4	285.9	328.4	386.4	459.8	529.4
TMOR2XP 600	191.3	278.2	365.1	428.9	492.7	579.6	689.7	794.1
TMOR2XP 800	255.0	370.9	486.9	571.9	656.9	772.8	919.6	1058.7

Temperature Differance: Condensing Temperature - Ambient Temperature

Elevation: sea level

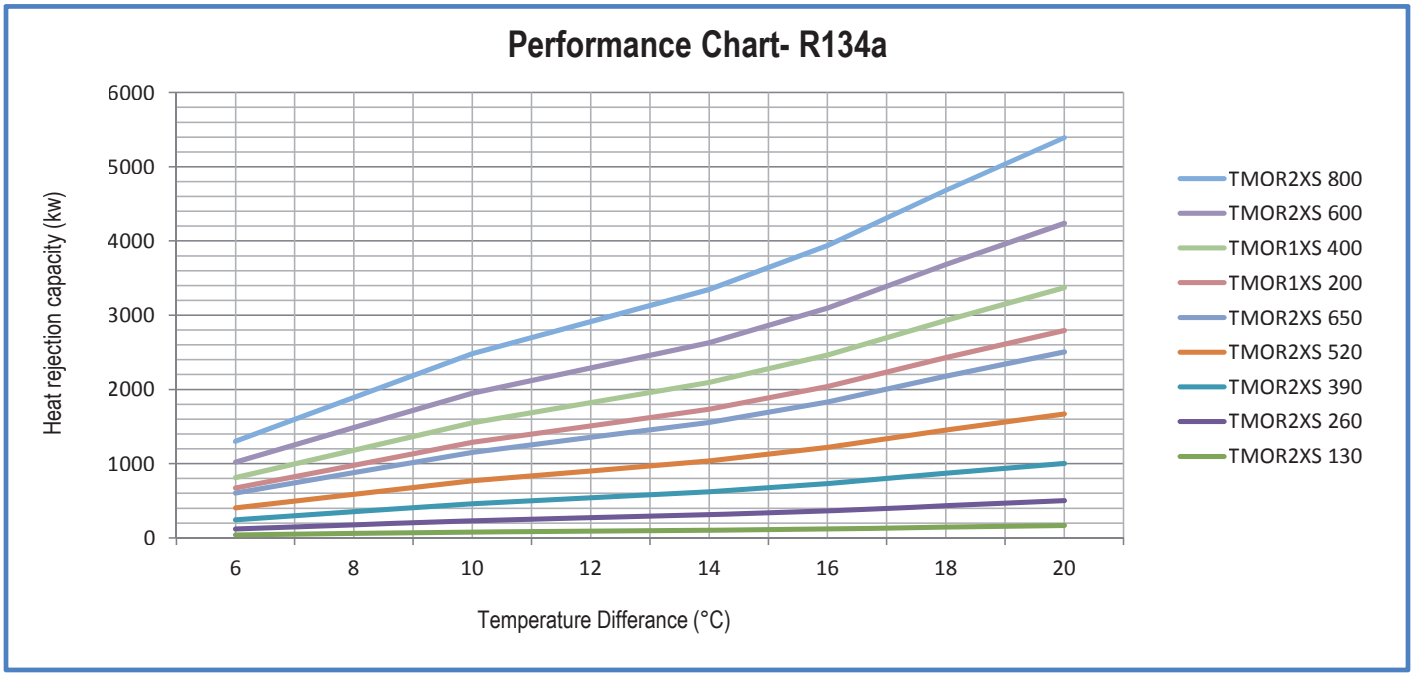


Air Cooled Condenser Performance data / R134a / Micro-Channel Coil

Model	Heat Rejection Capacity (KW)							
	Temperature Differance (°C)							
	6	8	10	12	14	16	18	20
TMOR2XS 130	40.3	58.6	76.9	90.3	103.7	122.0	145.2	167.1
TMOR2XS 260	80.5	117.1	153.7	180.6	207.4	244.0	290.4	334.3
TMOR2XS 390	120.8	175.7	230.6	270.8	311.1	366.0	435.5	501.4
TMOR2XS 520	161.0	234.2	307.4	361.1	414.8	488.0	580.7	668.6
TMOR2XS 650	201.3	292.8	384.3	451.4	518.5	610.0	725.9	835.7
TMOR1XS 200	69.5	101.1	132.7	155.8	179.0	210.6	250.6	288.5
TMOR1XS 400	139.0	202.2	265.4	311.7	358.0	421.2	501.2	577.0
TMOR2XS 600	208.5	303.3	398.0	467.5	537.0	631.8	751.8	865.6
TMOR2XS 800	278.0	404.4	530.7	623.4	716.0	842.4	1002.5	1154.1

Temperature Differance: Condensing Temperature - Ambient Temperature

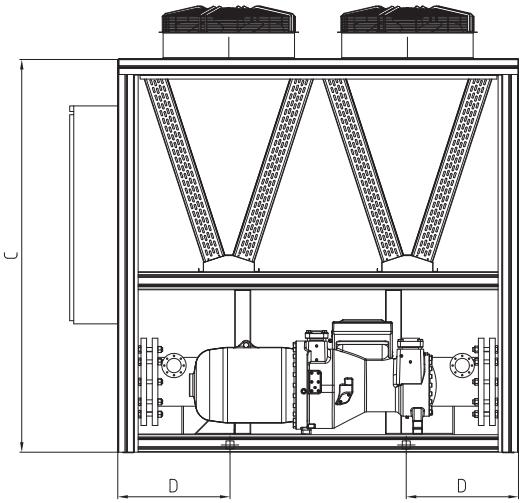
Elevation: sea level

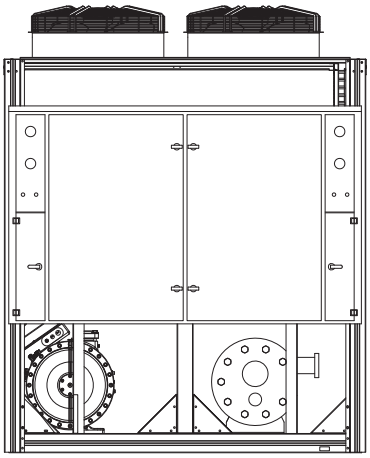


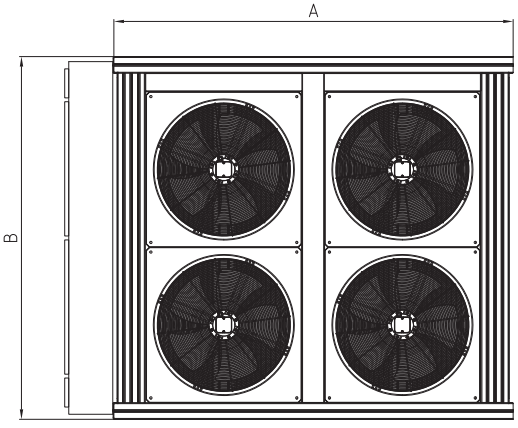
Dimensional Data

Packaged Air Cooled Screw Chillers Dimensional Drawing

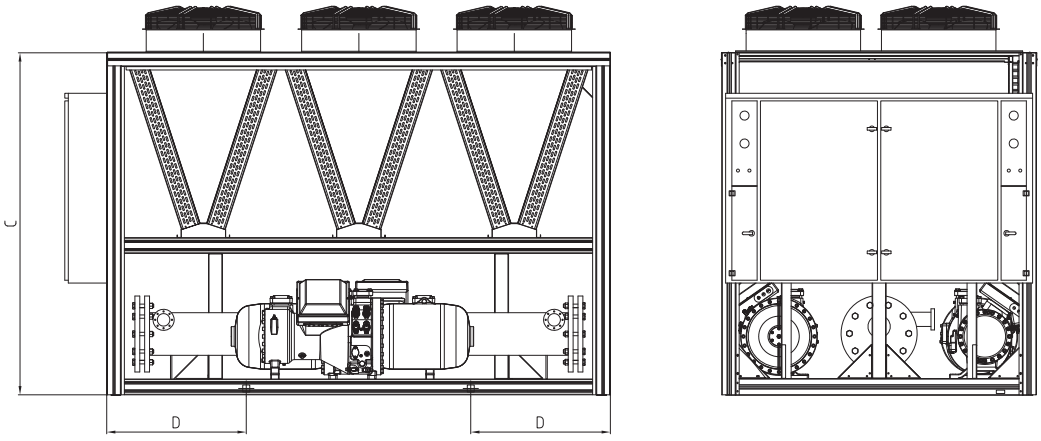
Models	Dimension (mm)			
	A	B	C	D
TAU1W1L050	2400	2250	2650	700
TAU1W1L060	2400	2250	2650	700
TAU1W1L070	2400	2250	2650	700
TAU1W1L080	2400	2250	2650	700
TAU1W1L090	2400	2250	2650	700
TAU1P1L050	2400	2250	2650	700
TAU1P1L060	2400	2250	2650	700
TAU1P1L070	2400	2250	2650	700
TAU1P1L080	2400	2250	2650	700
TAU1P1L090	2400	2250	2650	700
TAU1S1L050	2400	2250	2650	700
TAU1S1L060	2400	2250	2650	700
TAU1S1L070	2400	2250	2650	700
TAU1S1L080	2400	2250	2650	700
TAU1S1L090	2400	2250	2650	700
TTU1S1L050	2400	2250	2650	700
TTU1S1L060	2400	2250	2650	700
TTU1S1L070	2400	2250	2650	700
TTU1S1L080	2400	2250	2650	700
TTU1S1L090	2400	2250	2650	700

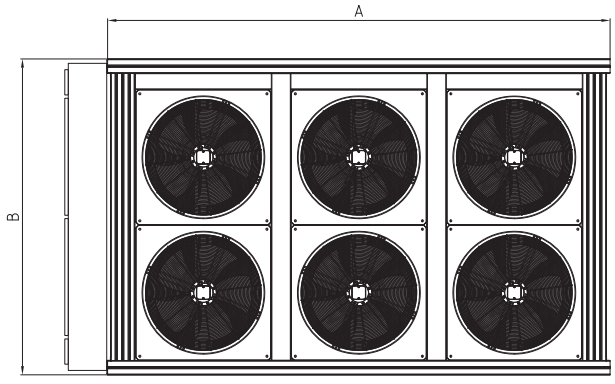




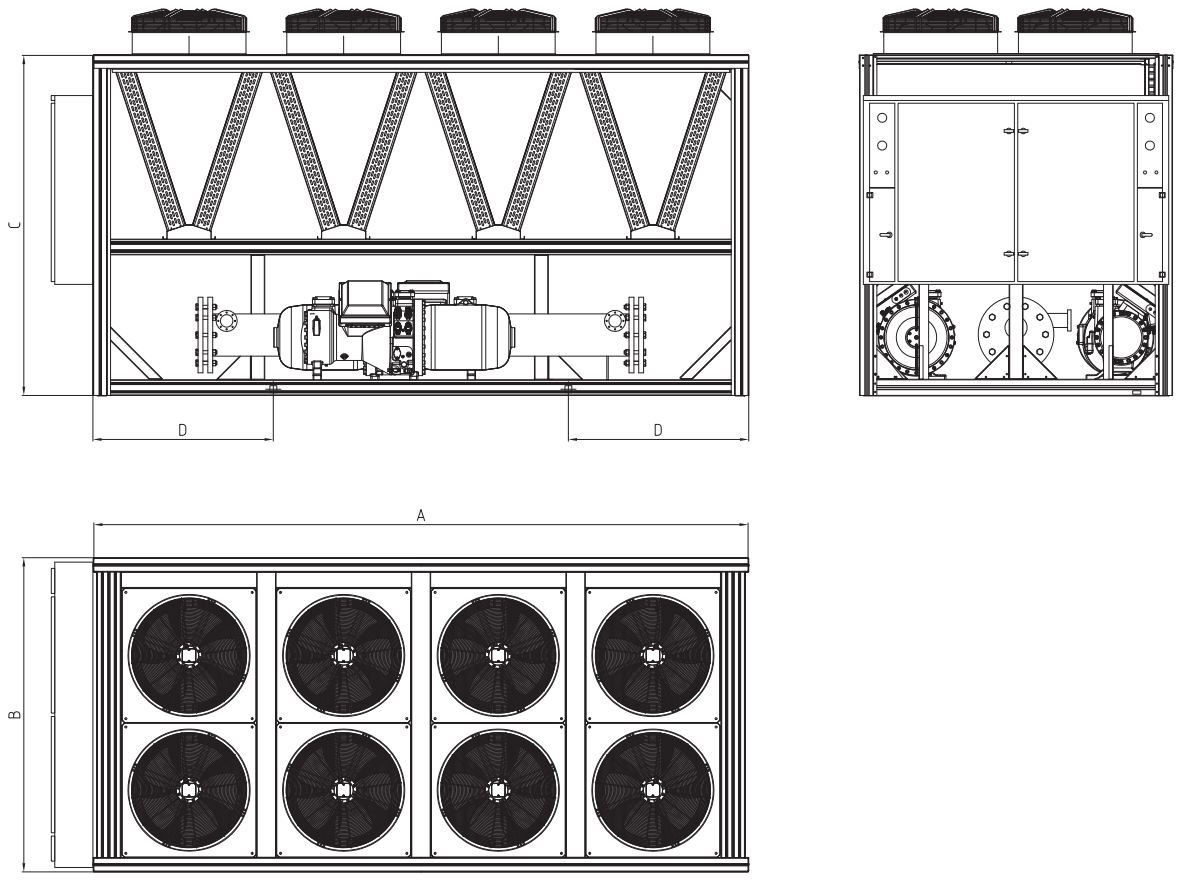


Models	Dimension (mm)			
	A	B	C	D
TAU1W2L100	3600	2250	2650	1000
TAU1W2L110	3600	2250	2650	1000
TAU1W2L120	3600	2250	2650	1000
TAU1W2L130	3600	2250	2650	1000
TAU1W2L140	3600	2250	2650	1000
TAU1W2L150	3600	2250	2650	1000
TAU1P2L100	3600	2250	2650	1000
TAU1P2L110	3600	2250	2650	1000
TAU1P2L120	3600	2250	2650	1000
TAU1P2L130	3600	2250	2650	1000
TAU1P2L140	3600	2250	2650	1000
TAU1P2L150	3600	2250	2650	1000
TAU1S2L100	3600	2250	2650	1000
TAU1S2L110	3600	2250	2650	1000
TAU1S2L120	3600	2250	2650	1000
TAU1S2L130	3600	2250	2650	1000
TAU1S2L140	3600	2250	2650	1000
TAU1S2L150	3600	2250	2650	1000
TTU1S2L100	3600	2250	2650	1000
TTU1S2L110	3600	2250	2650	1000
TTU1S2L120	3600	2250	2650	1000
TTU1S2L130	3600	2250	2650	1000
TTU1S2L140	3600	2250	2650	1000
TTU1S2L150	3600	2250	2650	1000

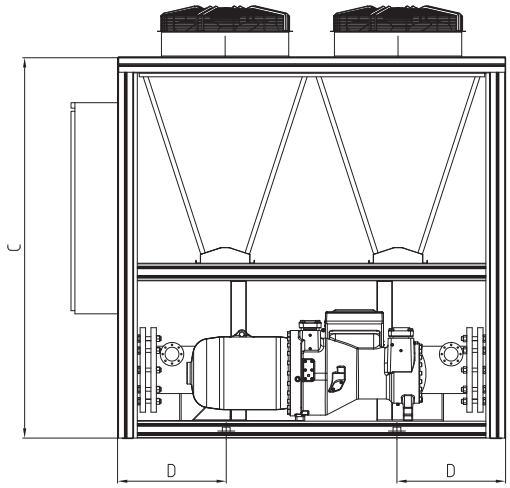


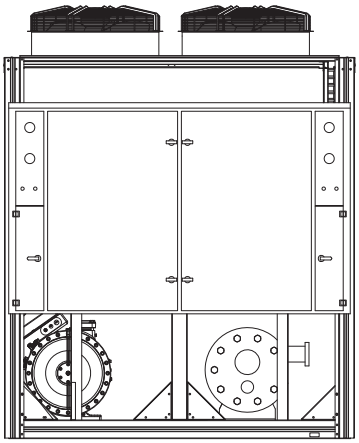


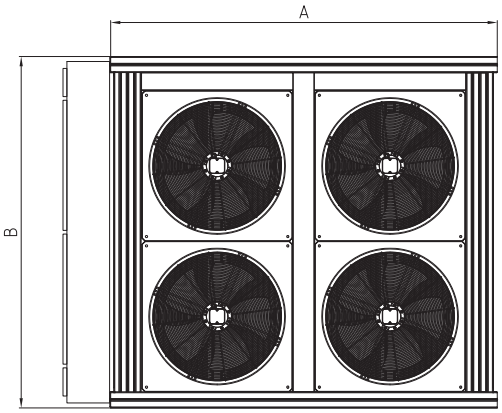
Models	Dimension (mm)			
	A	B	C	D
TAU1W2L160	4800	2250	2650	1300
TAU1W2L170	4800	2250	2650	1300
TAU1W2L180	4800	2250	2650	1300
TAU1P2L160	4800	2250	2650	1300
TAU1P2L170	4800	2250	2650	1300
TAU1P2L180	4800	2250	2650	1300
TAU1S2L160	4800	2250	2650	1300
TAU1S2L170	4800	2250	2650	1300
TAU1S2L180	4800	2250	2650	1300
TTU1S2L160	4800	2250	2650	1300
TTU1S2L170	4800	2250	2650	1300
TTU1S2L180	4800	2250	2650	1300



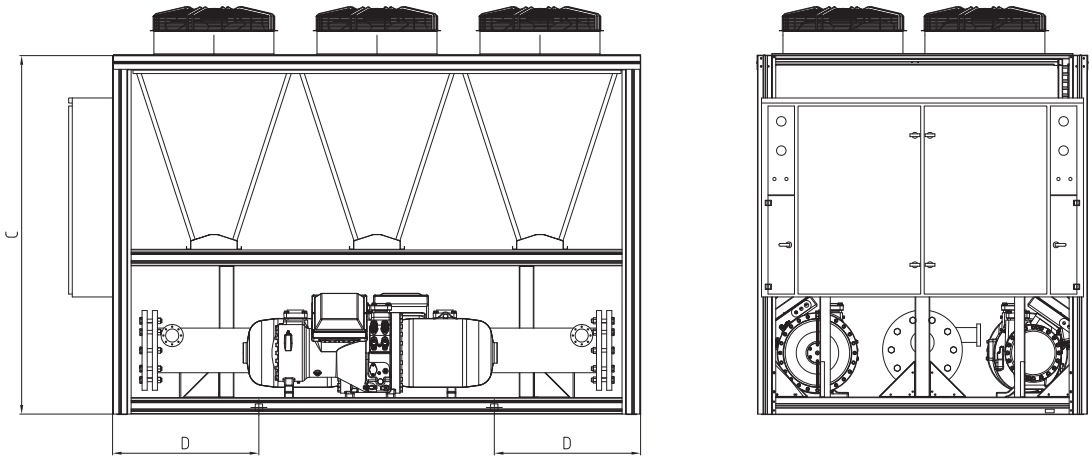
Models	Dimension (mm)			
	A	B	C	D
TAU1W1X050	2400	2250	2650	700
TAU1W1X060	2400	2250	2650	700
TAU1W1X070	2400	2250	2650	700
TAU1W1X080	2400	2250	2650	700
TAU1W1X090	2400	2250	2650	700
TAU1P1X050	2400	2250	2650	700
TAU1P1X060	2400	2250	2650	700
TAU1P1X070	2400	2250	2650	700
TAU1P1X080	2400	2250	2650	700
TAU1P1X090	2400	2250	2650	700
TAU1S1X050	2400	2250	2650	700
TAU1S1X060	2400	2250	2650	700
TAU1S1X070	2400	2250	2650	700
TAU1S1X080	2400	2250	2650	700
TAU1S1X090	2400	2250	2650	700
TTU1S1X050	2400	2250	2650	700
TTU1S1X060	2400	2250	2650	700
TTU1S1X070	2400	2250	2650	700
TTU1S1X080	2400	2250	2650	700
TTU1S1X090	2400	2250	2650	700

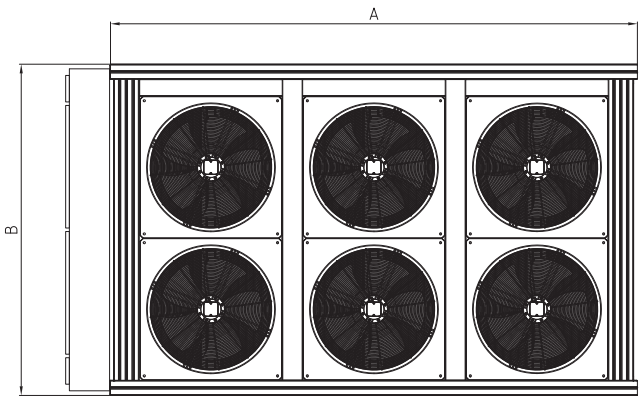




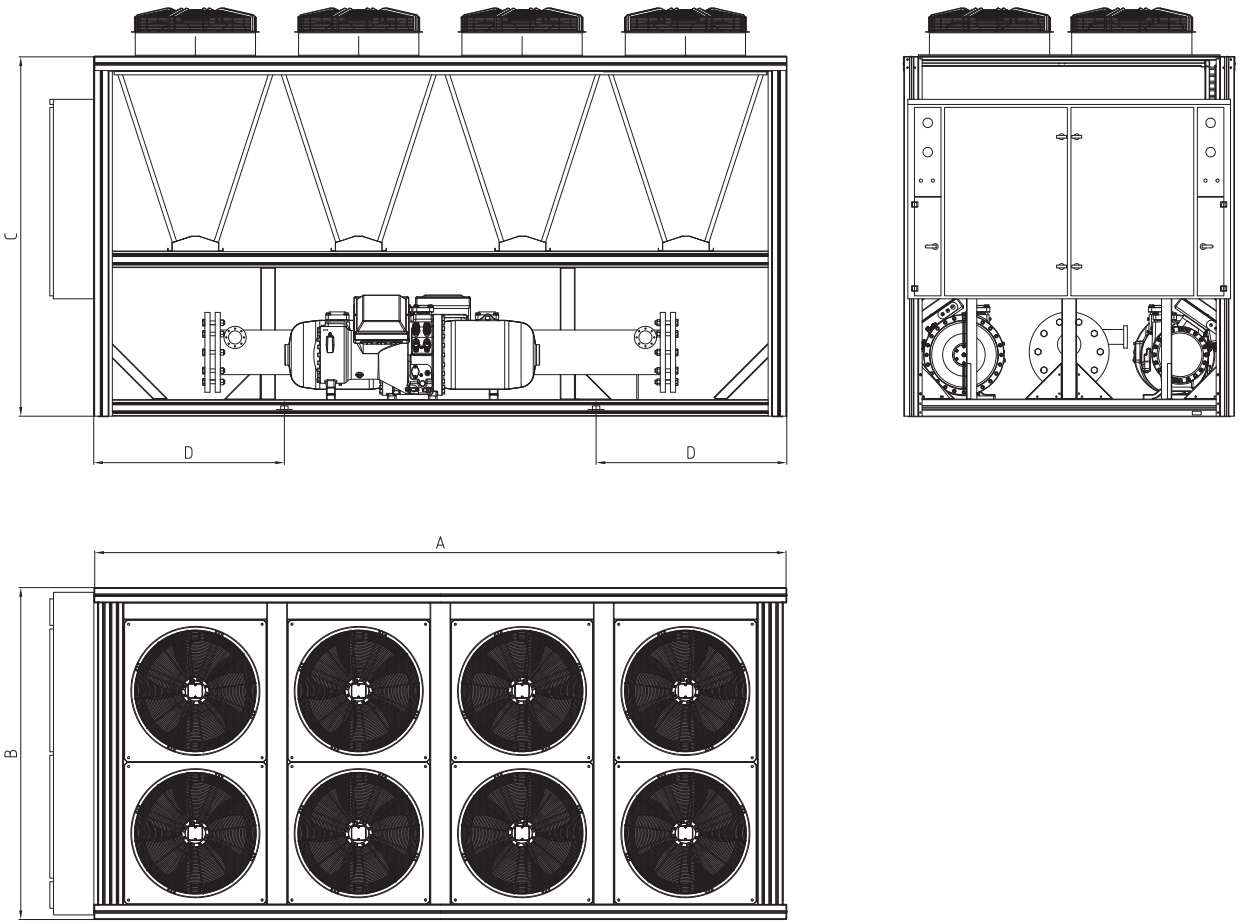


Models	Dimension (mm)			
	A	B	C	D
TAU1W2X100	3600	2250	2650	1000
TAU1W2X110	3600	2250	2650	1000
TAU1W2X120	3600	2250	2650	1000
TAU1W2X130	3600	2250	2650	1000
TAU1W2X140	3600	2250	2650	1000
TAU1W2X150	3600	2250	2650	1000
TAU1P2X100	3600	2250	2650	1000
TAU1P2X110	3600	2250	2650	1000
TAU1P2X120	3600	2250	2650	1000
TAU1P2X130	3600	2250	2650	1000
TAU1P2X140	3600	2250	2650	1000
TAU1P2X150	3600	2250	2650	1000
TAU1S2X100	3600	2250	2650	1000
TAU1S2X110	3600	2250	2650	1000
TAU1S2X120	3600	2250	2650	1000
TAU1S2X130	3600	2250	2650	1000
TAU1S2X140	3600	2250	2650	1000
TAU1S2X150	3600	2250	2650	1000
TTU1S2X100	3600	2250	2650	1000
TTU1S2X110	3600	2250	2650	1000
TTU1S2X120	3600	2250	2650	1000
TTU1S2X130	3600	2250	2650	1000
TTU1S2X140	3600	2250	2650	1000
TTU1S2X150	3600	2250	2650	1000



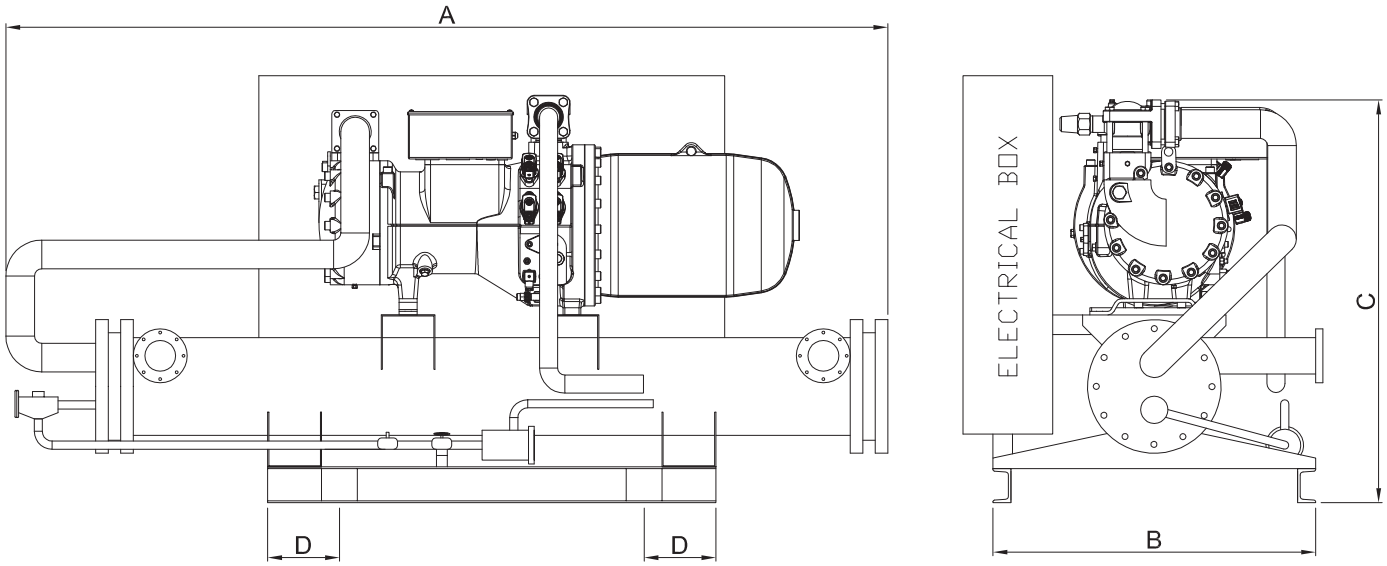


Models	Dimension (mm)			
	A	B	C	D
TAU1W2X160	4800	2250	2650	1300
TAU1W2X170	4800	2250	2650	1300
TAU1W2X180	4800	2250	2650	1300
TAU1P2X160	4800	2250	2650	1300
TAU1P2X170	4800	2250	2650	1300
TAU1P2X180	4800	2250	2650	1300
TAU1S2X160	4800	2250	2650	1300
TAU1S2X170	4800	2250	2650	1300
TAU1S2X180	4800	2250	2650	1300
TTU1S2X160	4800	2250	2650	1300
TTU1S2X170	4800	2250	2650	1300
TTU1S2X180	4800	2250	2650	1300



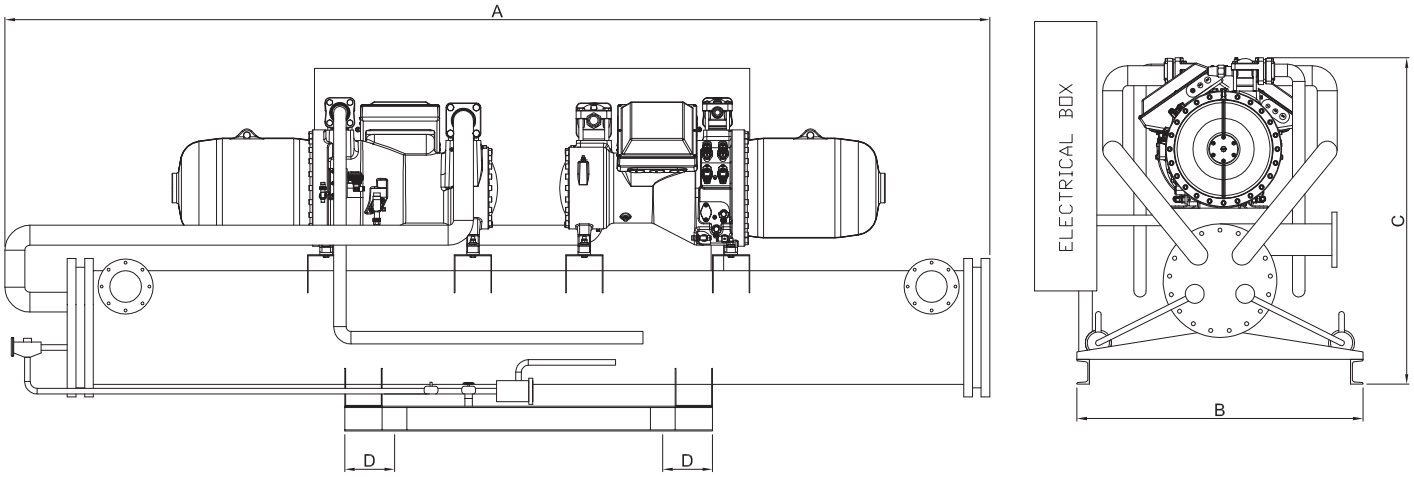
Remote Air Cooled Screw Chillers Dimensional Drawing

Models	Dimension (mm)			
	A	B	C	D
TAU1W1L050	2350	840	1150	200
TAU1W1L060	2350	840	1150	200
TAU1W1L070	2350	840	1150	200
TAU1W1L080	2350	840	1150	200
TAU1W1L090	2350	840	1150	200
TAU1P1L050	2350	840	1150	200
TAU1P1L060	2350	840	1150	200
TAU1P1L070	2350	840	1150	200
TAU1P1L080	2350	840	1150	200
TAU1P1L090	2350	840	1150	200
TAU1S1L050	2350	940	1150	200
TAU1S1L060	2350	940	1150	200
TAU1S1L070	2350	940	1150	200
TAU1S1L080	2350	940	1150	200
TAU1S1L090	2350	940	1150	200
TTU1S1L050	2350	940	1150	200
TTU1S1L060	2350	940	1150	200
TTU1S1L070	2350	940	1150	200
TTU1S1L080	2350	940	1150	200
TTU1S1L090	2350	940	1150	200



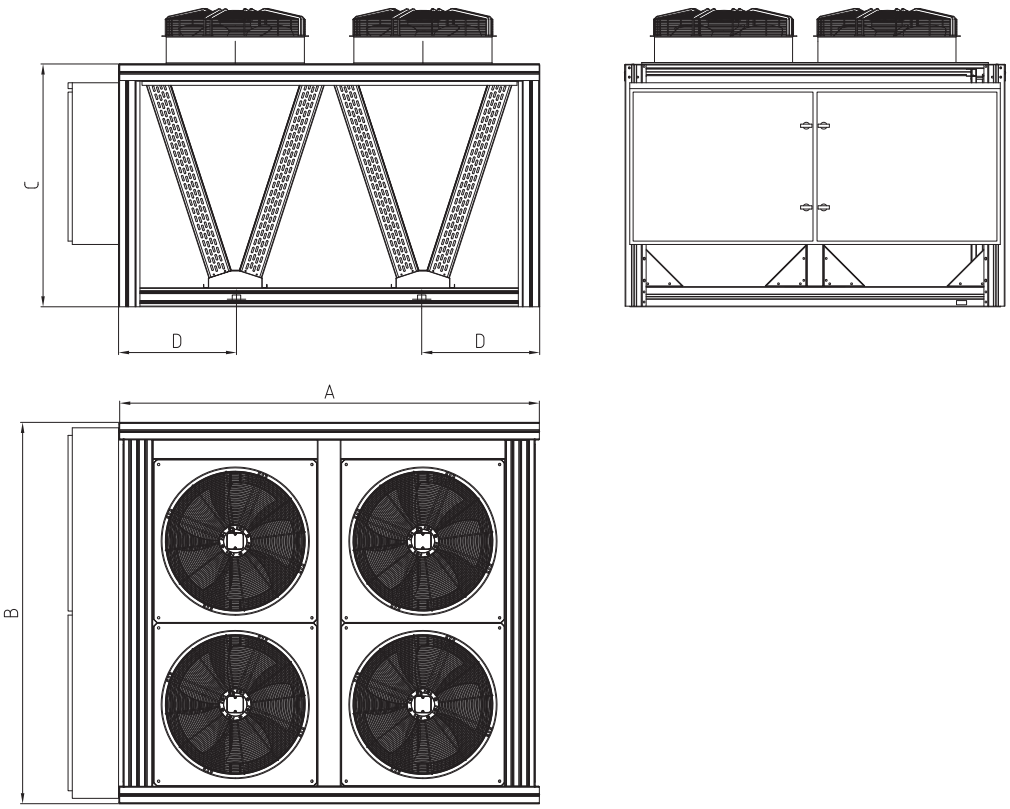
Models	Dimension (mm)			
	A	B	C	D
TAU1W2L100	3350	1050	1250	200
TAU1W2L110	3350	1050	1250	200
TAU1W2L120	3350	1050	1250	200
TAU1W2L130	3350	1050	1250	200
TAU1W2L140	3350	1050	1250	200
TAU1W2L150	3350	1050	1250	200
TAU1W2L160	3350	1050	1250	200
TAU1W2L170	3350	1050	1250	200
TAU1W2L180	3350	1050	1250	200
TAU1P2L100	3350	1050	1250	200
TAU1P2L110	3350	1050	1250	200
TAU1P2L120	3350	1050	1250	200
TAU1P2L130	3350	1050	1250	200
TAU1P2L140	3350	1050	1250	200
TAU1P2L150	3350	1050	1250	200
TAU1P2L160	3350	1050	1250	200
TAU1P2L170	3350	1050	1250	200
TAU1P2L180	3350	1050	1250	200

Models	Dimension (mm)			
	A	B	C	D
TAU1S2L100	3350	1250	1250	200
TAU1S2L110	3350	1250	1250	200
TAU1S2L120	3350	1250	1250	200
TAU1S2L130	3350	1250	1250	200
TAU1S2L140	3350	1250	1250	200
TAU1S2L150	3350	1250	1250	200
TAU1S2L160	3350	1250	1250	200
TAU1S2L170	3850	1250	1250	200
TAU1S2L180	3850	1250	1250	200
TTU1S2L100	3350	1250	1250	200
TTU1S2L110	3350	1250	1250	200
TTU1S2L120	3350	1250	1250	200
TTU1S2L130	3350	1250	1250	200
TTU1S2L140	3350	1250	1250	200
TTU1S2L150	3350	1250	1250	200
TTU1S2L160	3350	1250	1250	200
TTU1S2L170	3850	1250	1250	200
TTU1S2L180	3850	1250	1250	200

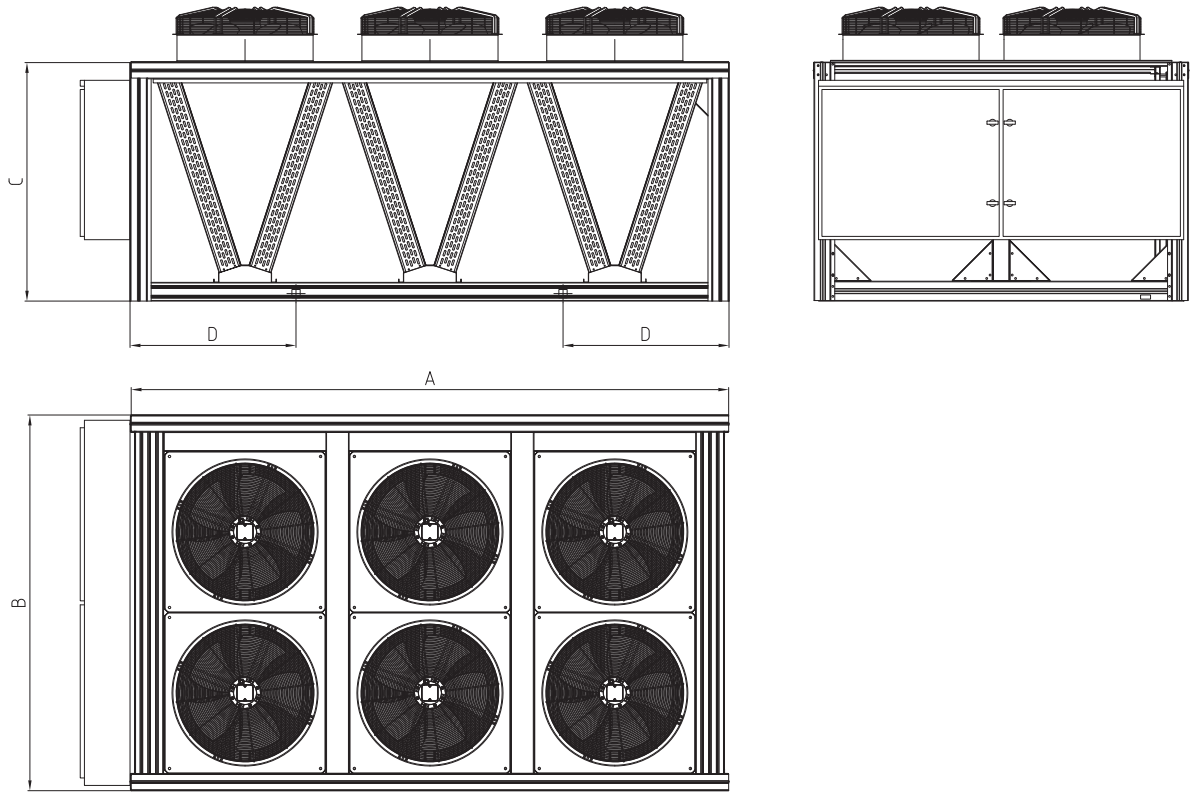


Air Cooled Condenser Units Dimensional Drawing

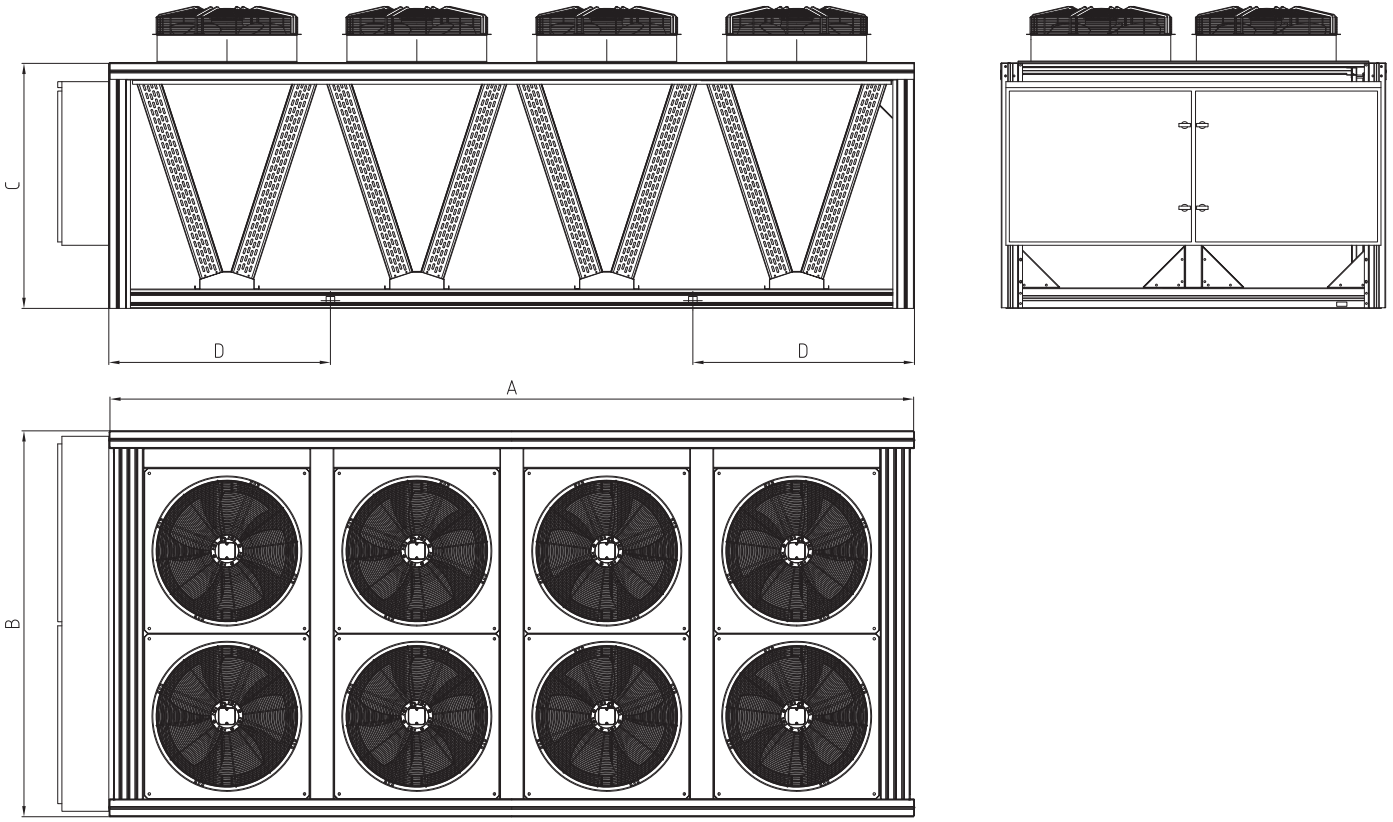
Models	Dimension (mm)			
	A	B	C	D
TMOR1VW 400	2400	2250	1650	700
TMOR1VP 400	2400	2250	1650	700
TMOR1VS 400	2400	2250	1650	700



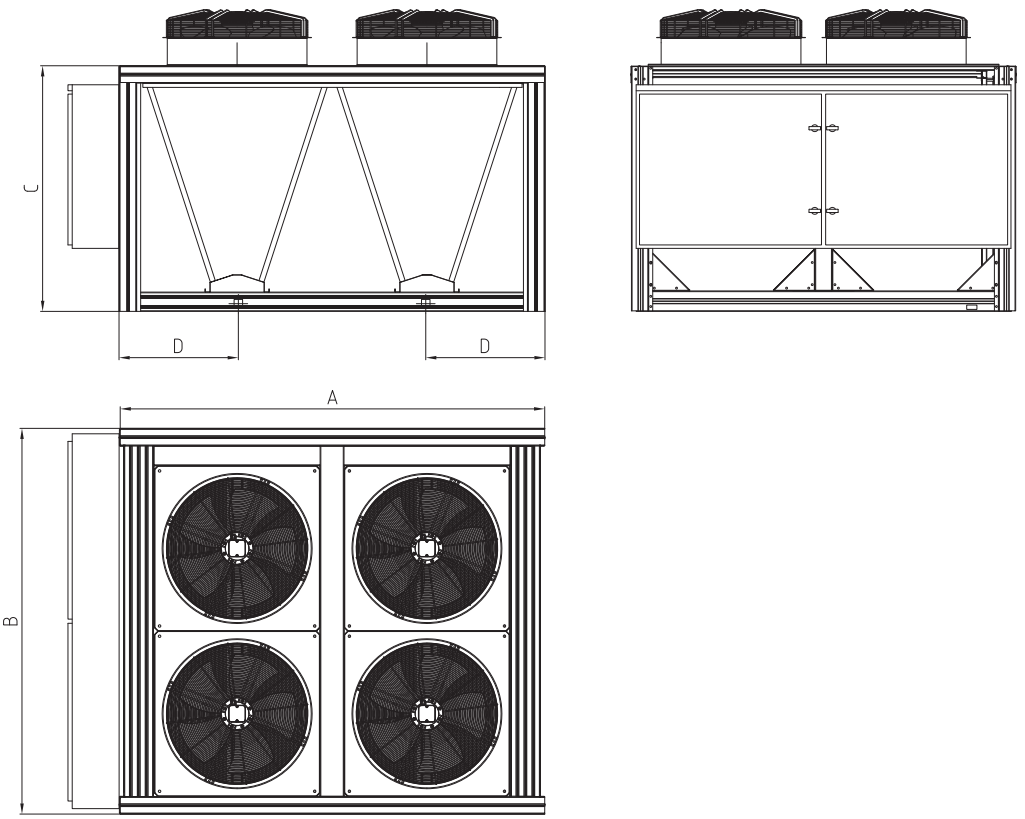
Models	Dimension (mm)			
	A	B	C	D
TMOR2VW 600	3600	2250	1650	1000
TMOR2VP 600	3600	2250	1650	1000
TMOR2VS 600	3600	2250	1650	1000



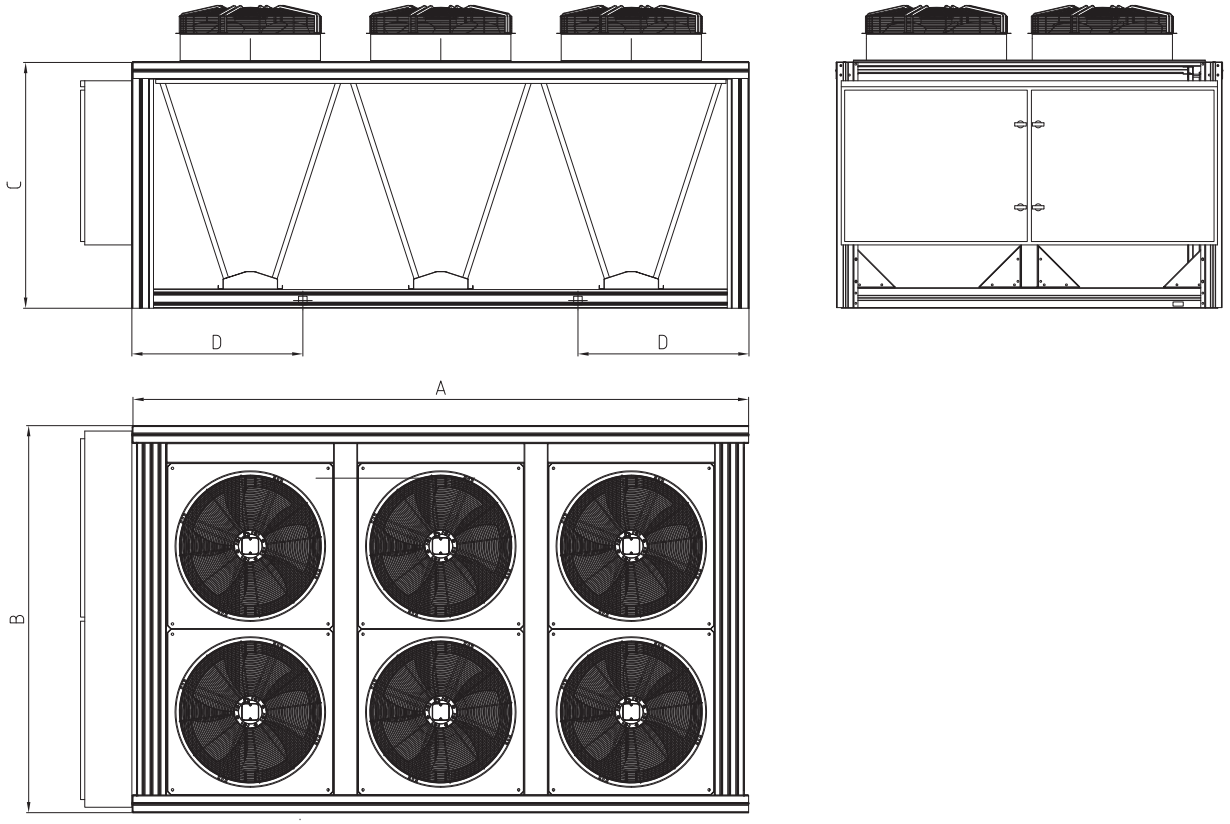
Models	Dimension (mm)			
	A	B	C	D
TMOR2VW 800	4800	2250	1650	1300
TMOR2VP 800	4800	2250	1650	1300
TMOR2VS 800	4800	2250	1650	1300



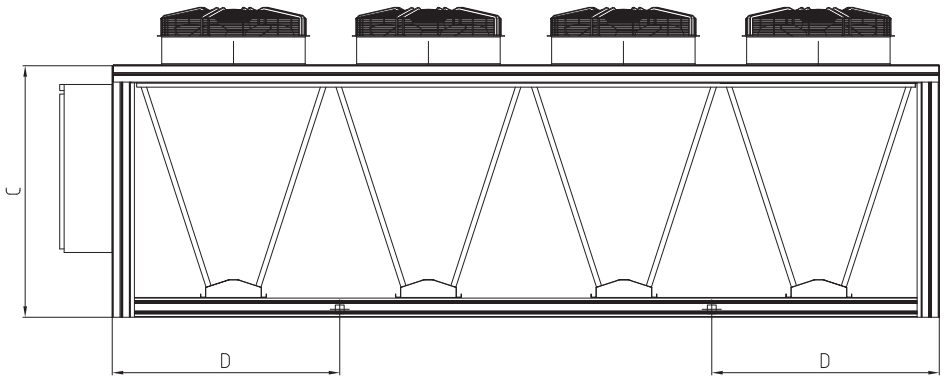
Models	Dimension (mm)			
	A	B	C	D
TMOR1XW 400	2400	2250	1650	700
TMOR1XP 400	2400	2250	1650	700
TMOR1XS 400	2400	2250	1650	700

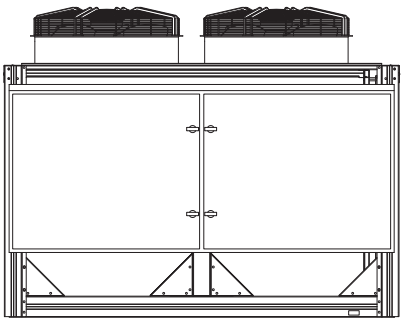


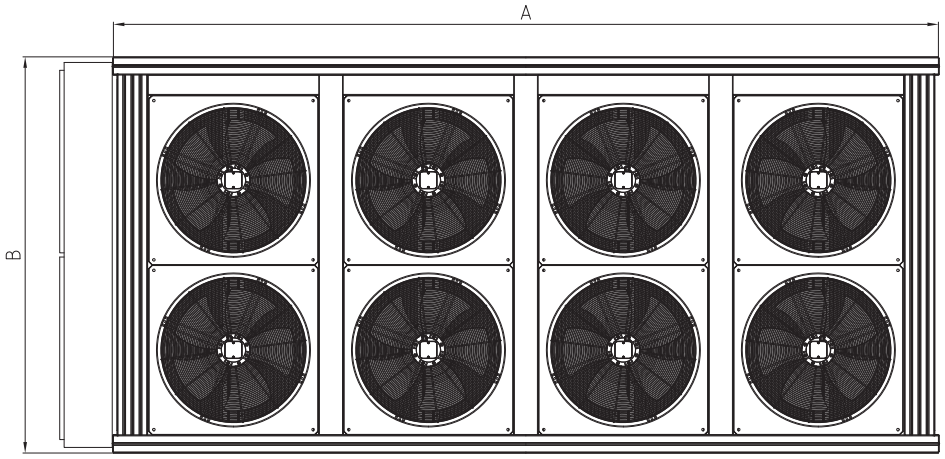
Models	Dimension (mm)			
	A	B	C	D
TMOR2XW 600	3600	2250	1650	1000
TMOR2XP 600	3600	2250	1650	1000
TMOR2XS 600	3600	2250	1650	1000



Models	Dimension (mm)			
	A	B	C	D
TMOR2XW 800	4800	2250	1650	1300
TMOR2XP 800	4800	2250	1650	1300
TMOR2XS 800	4800	2250	1650	1300







Lifting

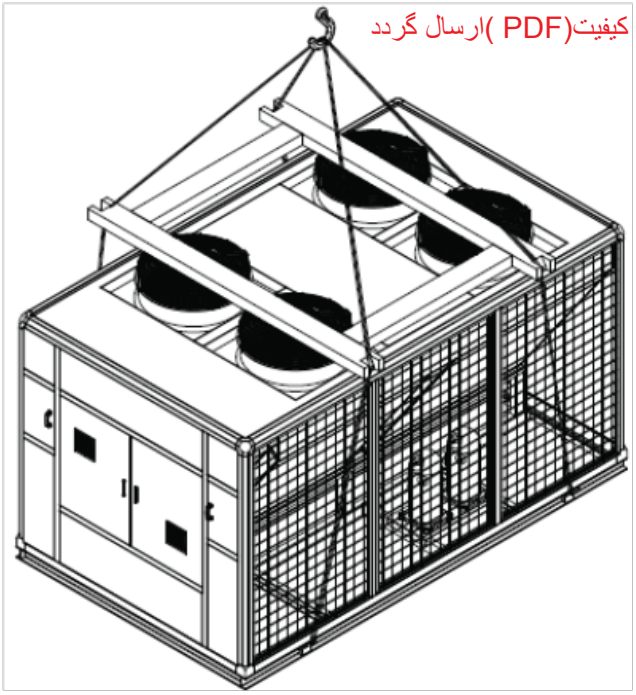
Installation and maintenance of the devices should be carried out by qualified and experienced personnel. Devices must be installed in such a way that repair and maintenance operations can be easily implemented

Hook rigging sling thru holes in base rail, as shown below.

Center of gravity is not unit center line. Ensure center of gravity aligns with the main lifting point before lifting.

Use spreader bar when rigging, to prevent the slings from damaging the unit.

All panels should be in place when rigging. Care must be taken to avoid damage to the coils during handing. Insert packing material between coils and slings as necessary.

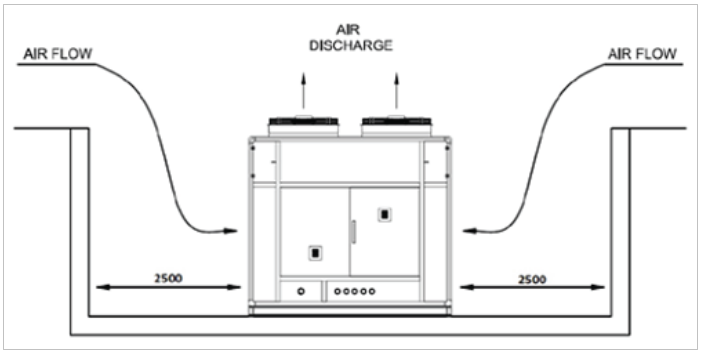


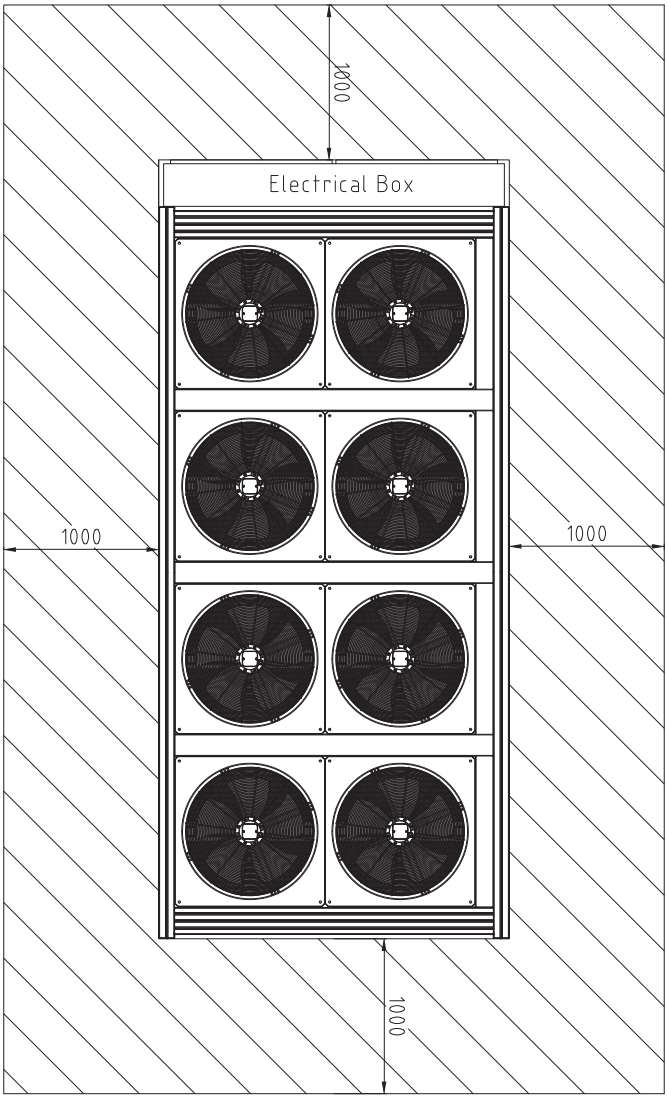
Lifting schematic drawing

Packaged air cooled chiller and Air cooled condenser unit Layout

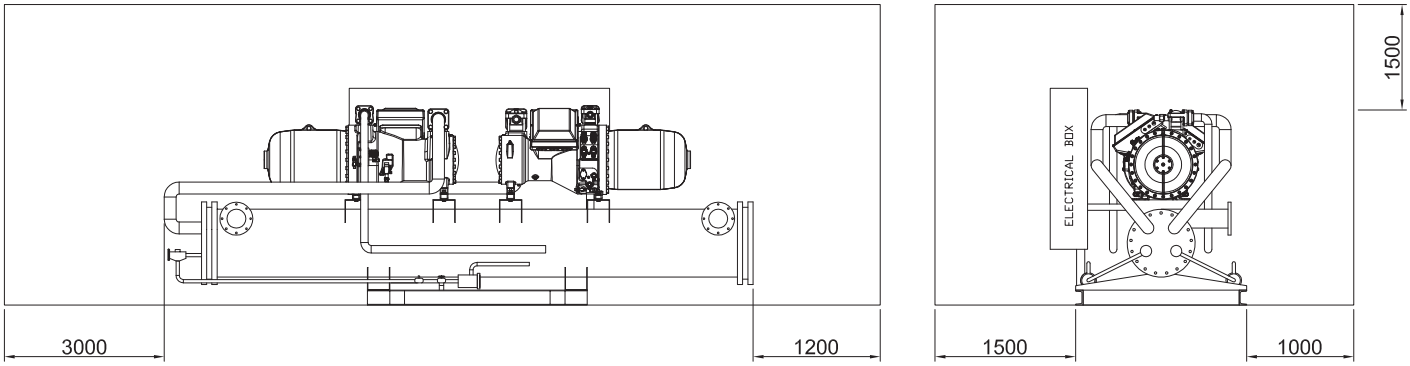
The most important consideration about location of air cooled condenser and packaged air cooled chiller is the ambient air flow is supplied to the condenser and removes the heated air from condenser coil. The minimum space is recommended in below. Reducing the declared distance causes a loss of air flow on thecoil condenser, thus, the energy consumption is increased and the cooling capacity is reduced. It was necessary to prevent the reheating of hot air and covering the coil area. Air cooled condenser unit and packaged air cooled chiller must not be located in the vicinity of steam or hot air of exhausts. Avoid installing the channel on the entrance and exit paths.

فایل با کیفیت(PDF)ارسال گردد





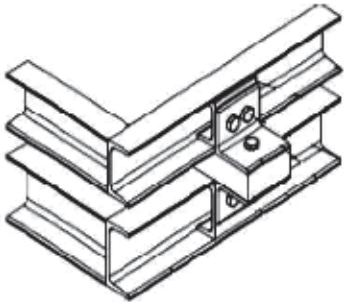
Remote Air cooled chiller layout



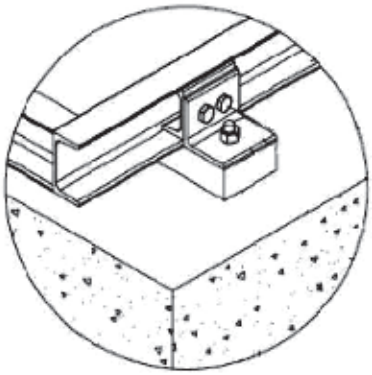
For roof mounted applications, install the unit on a steel channel or I-beam frame to support the unit above the roof. For ground level applications, install the unit on a substantial base that will not settle. A one piece concrete slab with footing extended below the frost line is recommended. Be sure the foundation is level within ½" (13mm) over its length and width. The foundation must be strong to support the weights listed in physical data tables.

In case the unit is installed on the floor, it should be placed on a concrete foundation 6 to 8 inches higher than the floor surface.

Installation detail



On the skid



On the foundation