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UNIT COOLER_(v2)

The Perfect Complement



PRODUCT CATALOGUE 2022

 **Tecumseh**
Cooling For a Better Tomorrow™

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For more information, please visit our website www.tecumseh.com

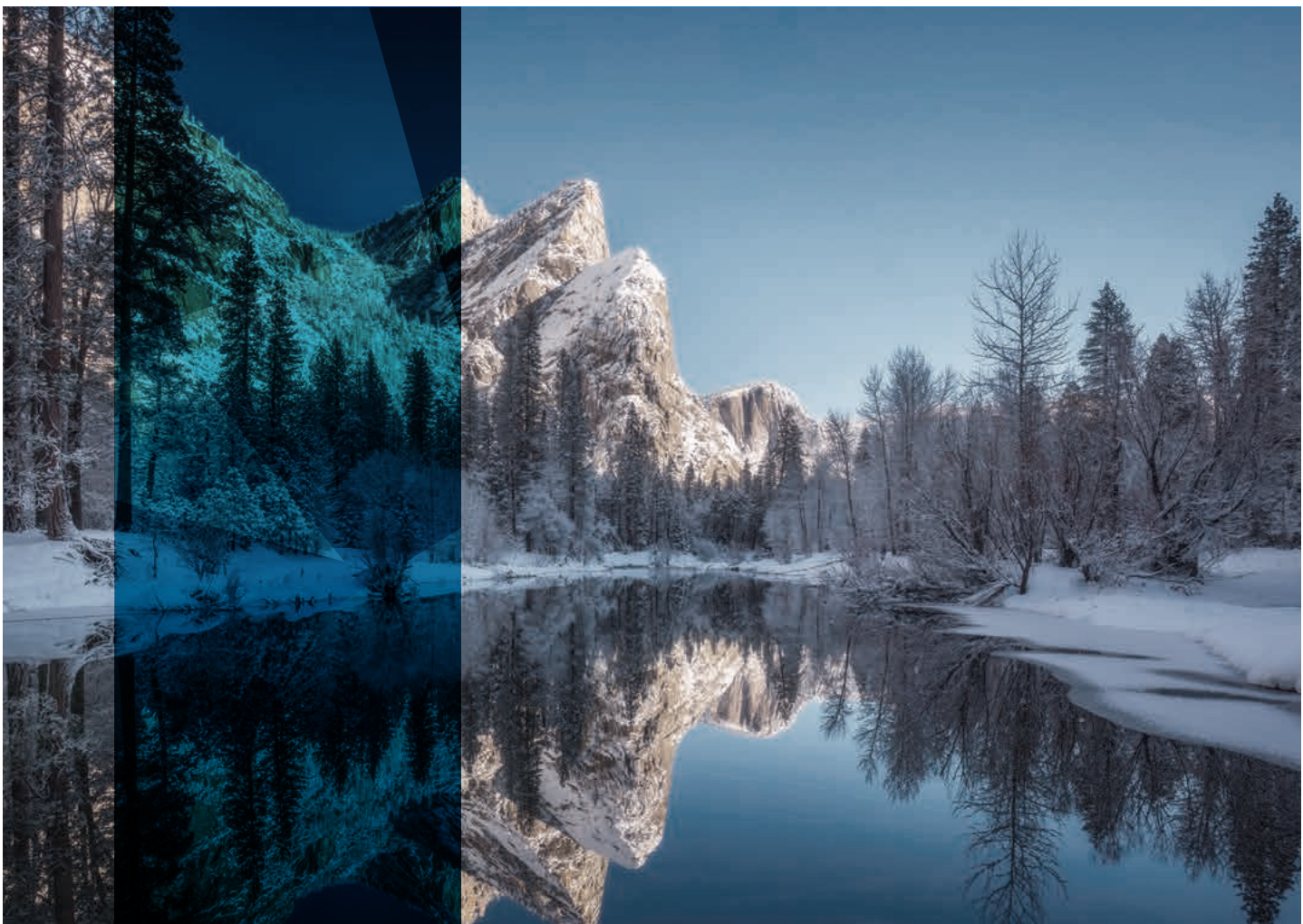


Table of Contents

Introduction & Benefits	03
UC ² Series (Commercial Application) - Product Features	04
UC ² Series (Commercial Application) - Dimension	05
UC ² Series (Commercial Application) - Technical Data (50Hz)	06
UC ² Series (Commercial Application) - Technical Data (60Hz)	07
Industrial Evaporator Series - Features & Technical Data	08
Industrial Evaporator Series - Dimension	09
Selection Features & Performance	10
Blank Notes	11

Introduction

Founded in 1934, Tecumseh Products Company has consistently been a global leader of commercial refrigeration technology. Tecumseh offers high quality products which are able to provide the highly valued solutions to our customers. Aside that, our employees located globally design and manufacture innovative refrigeration and air-conditioning products for the people around the world.

Benefits To Meet Market Demands

COMPACT	WIDE RANGE OF OFFERING	EXCELLENCE PERFORMANCE	EASY INSTALLATION & MAINTENANCE
Tecumseh Unit Cooler's compact design is an added bonus for space-conscious environment without affecting the cooling capacity optimum performance.	Tecumseh Unit Cooler offers a wide range of cooling capacity to ensure the best solution for high temperature and low temperature application.	With excellence heat exchange efficiency and homogeneous air circulation, goods will now be preserved under better conditions.	Light in weight and easy access side panel are crucial points which will greatly reduce installation, servicing and maintenance jobs.

Nomenclature (Commercial Application)

TEM	-	H	-	4.0	/	14	-D
Tecumseh Unit Cooler	-	Application	-	Rated Capacity in kW	/	Heat Exchange Surface (m²)	Hinged Door

Applications Parameters		
Code	Application	Fin Spacing (mm)
H	High Temp.	4
L	Low Temp.	6

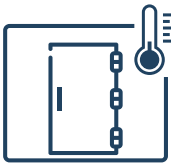
UC² SERIES

(Commercial Application)



Applications

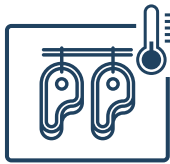
Tecumseh Unit Coolers are suitable for common applications:



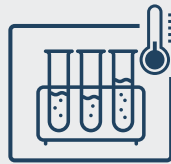
Walk-in Cooler Rooms



Walk-in Freezer Rooms



Food Processing Rooms



Preparation Rooms

Product Features

Capacity

High Temp Application: 2.5 to 57.4kW
Low Temp Application: 2.4 to 30kW

Fan Diameter

Available fan size of 300mm, 400mm
& 500mm for 50/60Hz application

Side Panel

Hinged door access for easy
installation and servicing

Defrosting Heater

Electrical Coils & Drain Pan heater are
wired in enclosed junction box

Casing

Made of Premium Aluminum

Fins Spacing

Wide selection to minimize
defrosting cycles

Refrigerant

R-404A / R-134a / R507

Drain Pan

Hinged Type for easy cleaning

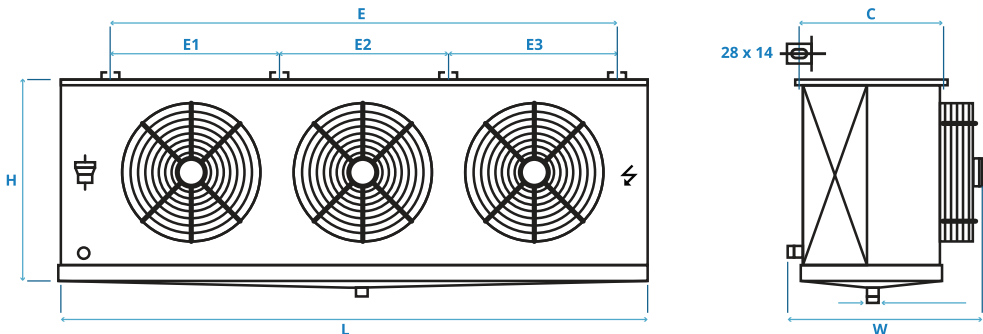
Dimension Specification

(Unit Cooler)

Specification drawing is for reference only, for detail information please refer to our staffs.

High Temperature Application										
Unit Coolers	Dimension (mm)					Pipe Location (View From Fan)	Piping Connection		Drain Size ID. (Inch)	Weight (kg)
Model	L	H	W	C	E		Inlet OD (inch)	Outlet OD (inch)		
TEM-H-2.5/9-D	777	500	500	390	477	Left	1/2	5/8	1	16
TEM-H-4.0/14-D	1230	500	500	390	930	Left	1/2	5/8	1	25
TEM-H-5.0/19-D	1230	500	500	390	930	Left	1/2	5/8	1	28
TEM-H-7.4/22-D	1405	630	550	450	1105	Left	1/2	5/8	1	37
TEM-H-9.0/30-D	1405	630	550	450	1105	Left	1/2	5/8	1	43
TEM-H-10.5/45-D	1405	630	550	450	1105	Left	5/8	7/8	1	46
TEM-H-16.2/80-D	2012	735	635	435	1650	Right	5/8	1-1/4	1	80
TEM-H-21.3/105-D	2012	735	635	435	1650	Right	5/8	1-1/4	1	89
TEM-H-25.0/125-D	2810	737	635	435	2450	Right	3/4	1-1/2	1	111
TEM-H-32.6/160-D	2810	737	635	435	2450	Right	3/4	1-1/2	1	119
TEM-H-37.6/185-D	3610	737	635	435	3250	Right	3/4	1-7/8	1-1/2	130
TEM-H-42.7/210-D	3610	737	635	435	3250	Right	3/4	1-7/8	1-1/2	145
TEM-H-57.4/280-D	3610	840	725	525	3250	Right	7/8	1-7/8	1-1/2	195

Low Temperature Application										
Unit Coolers	Dimension (mm)					Pipe Location (View From Fan)	Piping Connection		Drain Size ID. (Inch)	Weight (kg)
Model	L	H	W	C	E		Inlet OD (inch)	Outlet OD (inch)		
TEM-L-2.4/10-D	1230	500	500	390	930	Left	1/2	5/8	1	25
TEM-L-2.9/13-D	1230	500	500	390	930	Left	1/2	5/8	1	28
TEM-L-4.3/15-D	1405	630	550	450	1105	Left	1/2	5/8	1	36
TEM-L-5.3/21-D	1405	630	550	450	1105	Left	1/2	5/8	1	43
TEM-L-6.6/31-D	1405	630	550	450	1105	Left	5/8	7/8	1	45
TEM-L-11.2/60-D	2012	735	635	435	1650	Right	5/8	1-1/4	1	80
TEM-L-14.9/80-D	2012	735	635	435	1650	Right	5/8	1-1/4	1	89
TEM-L-18.7/100-D	2810	737	635	435	2450	Right	3/4	1-1/2	1	111
TEM-L-22.4/120-D	2810	737	635	435	2450	Right	3/4	1-1/2	1	119
TEM-L-26.2/140-D	3610	737	635	435	3250	Right	3/4	1-7/8	1-1/2	130
TEM-L-30.0/160-D	3610	737	635	435	3250	Right	3/4	1-7/8	1-1/2	145



Technical Data

Nominal Capacity rated at room temperature (Troom) of 0°C, evaporating temperature (Tevp) of -8°C.
Air throw is for reference purpose only.

The actual air throw will be affected by the arrangement of the unit coolers or the placement of the goods.

High Temperature Application (Frequency: 50Hz)											
Unit Coolers		Fan						Defrost Heater			Condensing Units
Model	Normal Capacity (W)	Qty. of Fan	Fan Diameter (mm)	Power (kW)	Volt (V)	Air Flow (m³/h)	Air Throw (m)	Qty x Coil (kW)	Qty x Drain Pan (kW)	Volt (V)	Model
TEM-H-2.5/9-D	2500	1	300	1 x 0.06	230	1 x 1800	8	2 x 0.75	1 x 1.00	220	PACS/PAC4517Z
TEM-H-4.0/14-D	4000	2	300	2 x 0.06	230	2 x 1800	9	2 x 0.90	1 x 1.20	220	PACS/PAC4519Z PACS/PAC4524Z
TEM-H-5.0/19-D	5000	2	300	2 x 0.06	230	2 x 1800	10	2 x 0.90	1 x 1.20	220	PACS/PAC4531Z
TEM-H-7.4/22-D	7400	2	400	2 x 0.16	230	2 x 4235	14	2 x 0.90	1 x 1.20	220	PACS/PAC4540Z PAC4546Z
TEM-H-9.0/30-D	9000	2	400	2 x 0.16	230	2 x 4235	13	2 x 0.90	1 x 1.20	220	PAC4553Z PAC4561Z
TEM-H-10.5/45-D	10500	2	400	2 x 0.16	230	2 x 4235	12	4 x 0.95	1 x 1.20	220	PAC4568Z PAC4573Z
TEM-H-16.2/80-D	18409	2	500	2 x 0.55	380	2 x 6300	15	3 x 1.55	1 x 1.72	220	PAC4581Z SHT4576ZHR SHT4591ZHR
TEM-H-21.3/105-D	24205	2	500	2 x 0.55	380	2 x 6300	15	3 x 1.55	1 x 1.72	220	SHT4610ZHR SHT4612ZHR
TEM-H-25.0/125-D	28409	3	500	3 x 0.55	380	3 x 6300	15	3 x 2.27	1 x 2.44	220	SHT4615ZHR
TEM-H-32.6/160-D	37045	3	500	3 x 0.55	380	3 x 6300	15	3 x 2.27	1 x 2.44	220	SHT4620ZHR
TEM-H-37.6/185-D	42727	4	500	4 x 0.55	380	4 x 6300	15	3 x 2.99	1 x 3.02	220	SHT4622ZHR
TEM-H-42.7/210-D	48523	4	500	4 x 0.55	380	4 x 6300	15	3 x 2.99	1 x 3.02	220	SHT4627ZHR
TEM-H-57.4/280-D	65227	4	500	4 x 0.55	380	4 x 6300	15	4 x 3.01	1 x 3.02	220	SHT4632ZHR

Low Temperature Application (Frequency: 50Hz)											
Unit Coolers		Fan						Defrost Heater			Condensing Units
Model	Normal Capacity (W)	Qty. of Fan	Fan Diameter (mm)	Power (kW)	Volt (V)	Air Flow (m³/h)	Air Throw (m)	Qty x Coil (kW)	Qty x Drain Pan (kW)	Volt (V)	Model
TEM-L-2.4/10-D	3008	2	300	2 x 0.06	230	2 x 1800	9	2 x 0.70	1 x 1.00	220	PACS/PAC2480Z
TEM-L-2.9/13-D	3634	2	300	2 x 0.06	230	2 x 1800	9	2 x 0.70	1 x 1.00	220	PACS/PAC2511Z
TEM-L-4.3/15-D	5388	2	400	2 x 0.16	230	2 x 4235	14	2 x 0.90	1 x 1.20	220	PAC2513Z PAC2516Z
TEM-L-5.3/21-D	6642	2	400	2 x 0.16	230	2 x 4235	13	2 x 0.90	1 x 1.20	220	PAC2522Z PAC2525Z
TEM-L-6.6/31-D	8271	2	400	2 x 0.16	230	2 x 4235	12	4 x 0.95	1 x 1.20	220	SHT2534ZBR
TEM-L-11.2/60-D	14035	2	500	2 x 0.55	380	2 x 4235	15	4 x 1.55	1 x 1.72	220	SHT2542ZBR SHT2552ZBR
TEM-L-14.9/80-D	18672	2	500	2 x 0.55	380	2 x 6300	15	4 x 1.55	1 x 1.72	220	SHT2568ZBR
TEM-L-18.7/100-D	23434	3	500	3 x 0.55	380	3 x 6300	15	4 x 2.27	1 x 2.44	220	SHT2575ZBR
TEM-L-22.4/120-D	28070	3	500	3 x 0.55	380	3 x 6300	15	4 x 2.27	1 x 2.44	220	SHT2610ZBR
TEM-L-26.2/140-D	32832	4	500	4 x 0.55	380	3 x 6300	15	4 x 2.99	1 x 3.02	220	SHT2614ZBR
TEM-L-30.0/160-D	37594	4	500	4 x 0.55	380	4 x 6300	15	4 x 2.99	1 x 3.02	220	SHT2615ZBR

Technical Data

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Air throw is for reference purpose only.

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High Temperature Application (Frequency: 60Hz)											
Unit Coolers		Fan						Defrost Heater			Condensing Units
Model	Normal Capacity (W)	Qty. of Fan	Fan Diameter (mm)	Power (kW)	Volt (V)	Air Flow (m³/h)	Air Throw (m)	Qty x Coil (kW)	Qty x Drain Pan (kW)	Volt (V)	Model
TEM-H-4.0/14-D	4042	2	300	2 x 0.10	230	2 x 1800	9	2 x 0.90	1 x 1.20	220	PACS/PAC4517Z PACS/PAC4519Z
TEM-H-5.0/19-D	5053	2	300	2 x 0.10	230	2 x 1800	9	2 x 0.90	1 x 1.20	220	PACS/PAC4524Z
TEM-H-7.4/22-D	7478	2	400	2 x 0.25	230	2 x 3911	14	2 x 0.90	1 x 1.20	220	PACS/PAC4531Z PACS/PAC4540Z PAC4546Z
TEM-H-9.0/30-D	9095	2	400	2 x 0.25	230	2 x 3911	13	2 x 0.90	1 x 1.20	220	PAC4553Z
TEM-H-10.5/45-D	10611	2	400	2 x 0.25	230	2 x 3911	12	4 x 0.95	1 x 1.20	220	PAC4561Z
TEM-H-16.2/80-D	19378	2	500	2 x 0.76	480	2 x 7000	15	3 x 1.55	1 x 1.72	220	PAC4568Z PAC4573Z PAC4581Z SHT4576ZHR SHT4591ZHR
TEM-H-21.3/105-D	25479	2	500	2 x 0.76	480	2 x 7000	15	3 x 1.55	1 x 1.72	220	SHT4610ZHR SHT4612ZHR
TEM-H-25.0/125-D	29904	3	500	3 x 0.76	480	3 x 7000	15	3 x 2.27	1 x 2.44	220	SHT4615ZHR
TEM-H-32.6/160-D	38995	3	500	3 x 0.76	480	3 x 7000	15	3 x 2.27	1 x 2.44	220	SHT4620ZHR
TEM-H-37.6/185-D	44976	4	500	3 x 0.76	480	4 x 7000	15	3 x 2.99	1 x 3.02	220	SHT4622ZHR
TEM-H-42.7/210-D	51077	4	500	4 x 0.76	480	4 x 7000	15	3 x 2.99	1 x 3.02	220	SHT4627ZHR
TEM-H-57.4/280-D	68660	4	500	4 x 0.76	480	4 x 7000	15	4 x 3.01	1 x 3.02	220	SHT4632ZHR

Low Temperature Application (Frequency: 60Hz)											
Unit Coolers		Fan						Defrost Heater			Condensing Units
Model	Normal Capacity (W)	Qty. of Fan	Fan Diameter (mm)	Power (kW)	Volt (V)	Air Flow (m³/h)	Air Throw (m)	Qty x Coil (kW)	Qty x Drain Pan (kW)	Volt (V)	Model
TEM-L-2.4/10-D	3040	2	300	2 x 0.10	230	2 x 1800	9	2 x 0.70	1 x 1.00	220	PACS/PAC2480Z
TEM-L-2.9/13-D	3672	2	300	2 x 0.10	230	2 x 1800	9	2 x 0.70	1 x 1.00	220	PACS/PAC2511Z
TEM-L-4.3/15-D	5445	2	400	2 x 0.25	230	2 x 3911	14	2 x 0.90	1 x 1.20	220	PAC2513Z PAC2516Z
TEM-L-5.3/21-D	6712	2	400	2 x 0.25	230	2 x 3911	13	2 x 0.90	1 x 1.20	220	PAC2522Z
TEM-L-6.6/31-D	8358	2	400	2 x 0.25	230	2 x 3911	12	4 x 0.95	1 x 1.20	220	PAC2525Z
TEM-L-11.2/60-D	14774	2	500	2 x 0.76	480	2 x 7000	15	4 x 1.55	1 x 1.72	220	SHT2534ZBR SHT2542ZBR
TEM-L-14.9/80-D	19655	2	500	2 x 0.76	480	2 x 7000	15	4 x 1.55	1 x 1.72	220	SHT2552ZBR
TEM-L-18.7/100-D	24667	3	500	3 x 0.76	480	3 x 7000	15	4 x 2.27	1 x 2.44	220	SHT2568ZBR
TEM-L-22.4/120-D	29547	3	500	3 x 0.76	480	3 x 7000	15	4 x 2.27	1 x 2.44	220	SHT2575ZBR
TEM-L-26.2/140-D	34560	4	500	4 x 0.76	480	4 x 7000	15	4 x 2.99	1 x 3.02	220	SHT2610ZBR
TEM-L-30.0/160-D	39573	4	500	4 x 0.76	480	4 x 7000	15	4 x 2.99	1 x 3.02	220	SHT2614ZBR

Industrial Evaporator Series



Features & Benefits

- Industrial Series focus on bigger fan size and higher airflow
- Better fin spacing designed to reduce the effect of frosting process
- Suitable for heavy duty application

Nomenclature (Industrial Application)

TEM	-	XL	-	11.5	/	79
Tecumseh Unit Cooler	-	Application	-	Rated Capacity in kW	/	Heat Exchange Surface (m ²)

Applications Parameters

Code	Application	Fin Spacing (mm)
XH	High Temp	7
XL	Low Temp	8/16

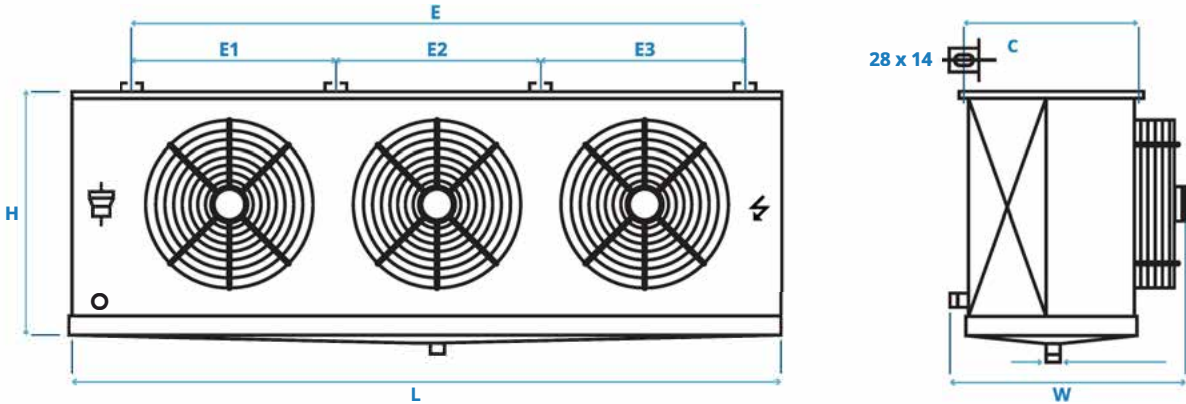
Technical Data

Model	Cooling Capacity(W) Tevp: -8°C ; ΔT:8K	Cooling Capacity(W) Tevp: -25°C ; ΔT:7K	Fin Spacing (mm)	Fan						Defrost Heater	
				Qty	Dia (mm)	Power (kW)	Volt (V)	Air Flow (m ³ /h)	Air Throw (m)	Qty x Coll Pan (kW)	Qty x Drain Pan (kW)
TEM-XH-11.0/46	17000	11000	7	2	500	2 x 0.82	380	15000	24	4 x 1.6	1 x 1.6
TEM-XH-14.5/57	22000	14500	7	2	500	2 x 0.82	380	13600	23	4 x 1.6	1 x 1.6
TEM-XH-17.0/80	25100	17000	7	2	500	2 x 0.82	380	12400	22	4 x 1.6	1 x 1.6
TEM-XH-21.0/102	32200	21000	7	3	500	3 x 0.82	380	20400	24	4 x 2.3	1 x 2.3
TEM-XH-24.3/136	36900	24300	7	3	500	3 x 0.82	380	18600	23	4 x 2.3	1 x 2.3
TEM-XH-29.0/128	42900	29000	7	4	500	4 x 0.82	380	26000	25	4 x 2.8	1 x 2.8
TEM-XH-33.7/170	48700	33700	7	4	500	4 x 0.82	380	23800	24	4 x 2.8	1 x 2.8
TEM-XH-26.2/122	40300	26200	7	2	630	2 x 2.63	380	27000	28	6 x 2.3	1 x 2.3
TEM-XH-31.1/163	47100	31100	7	2	630	2 x 2.63	380	25000	25	6 x 2.3	1 x 2.3
TEM-XH-40.1/153	61500	40100	7	3	630	3 x 2.63	380	40500	28	6 x 2.8	1 x 2.8
TEM-XH-47.6/204	71400	47600	7	3	630	3 x 2.63	380	37500	26	6 x 2.8	1 x 2.8

Model	Cooling Capacity(W) Tevp: -40°C ; ΔT:6K	Cooling Capacity(W) Tevp: -31°C ; ΔT:6K	Fin Spacing (mm)	Fan						Defrost Heater	
				Qty	Dia (mm)	Power (kW)	Volt (V)	Air Flow (m ³ /h)	Air Throw (m)	Qty x Coll Pan (kW)	Qty x Drain Pan (kW)
TEM-XL-8.2/45	8200	10200	8/16	2	500	2 x 0.82	380	13800	24	5 x 1.6	1 x 1.8
TEM-XL-11.5/79	11500	14800	8/16	3	500	3 x 0.82	380	20700	25	5 x 2.3	1 x 2.6
TEM-XL-13.9/106	13900	17800	8/16	3	500	3 x 0.82	380	18900	24	5 x 2.3	1 x 2.6
TEM-XL-16.8/93	16800	20500	8/16	4	500	4 x 0.82	380	26800	26	5 x 2.8	1 x 3.2
TEM-XL-20.6/125	20600	24300	8/16	4	500	4 x 0.82	380	24200	25	5 x 2.8	1 x 3.2
TEM-XL-16.1/95	16100	16600	8/16	2	630	2 x 2.63	380	27600	27	6 x 2.3	1 x 2.6
TEM-XL-16.6/127	16600	20000	8/16	2	630	2 x 2.63	380	25400	24	6 x 2.3	1 x 2.6
TEM-XL-20.8/120	20800	25500	8/16	3	630	3 x 2.63	380	41400	28	6 x 2.8	1 x 3.2
TEM-XL-25.7/160	25700	30800	8/16	3	630	3 x 2.63	380	38100	25	6 x 2.8	1 x 3.2
TEM-XL-22.0/145	22000	27000	8/16	2	800	2 x 1.94	380	36000	25	6 x 2.8	1 x 3.1
TEM-XL-23.8/193	23800	29000	8/16	2	800	2 x 1.94	380	33000	25	6 x 2.8	1 x 3.1
TEM-XL-30.6/217	30600	37000	8/16	3	800	3 x 1.94	380	45600	25	6 x 3.1	1 x 3.4
TEM-XL-33.5/290	33500	40800	8/16	3	800	3 x 1.94	380	41100	25	6 x 3.1	1 x 3.4

Technical Data

Model	Dimension (mm)					Coonection Size			Weight (kg)
	L	H	W	C	E	Inlet	Outlet	Drain	
TEM-XH-11.0/46	1990	700	850	590	1647	5/8	1-3/8	1-1/2	157
TEM-XH-14.5/57	1990	700	850	590	1647	5/8	1-3/8	1-1/2	175
TEM-XH-17.0/80	1990	700	850	590	1647	7/8	1-5/8	1-1/2	195
TEM-XH-21.0/102	2770	850	700	590	2427	7/8	1-5/8	1-1/2	250
TEM-XH-24.3/136	2770	850	700	590	2427	7/8	1-5/8	1-1/2	280
TEM-XH-29.0/128	3375	850	700	590	3027	1-1/8	2-1/8	1-1/2	315
TEM-XH-33.7/170	3375	850	700	590	3027	1-1/8	2-1/8	1-1/2	350
TEM-XH-26.2/122	2770	1000	720	590	2427	1-1/8	2-1/8	2	240
TEM-XH-31.1/163	2770	1000	720	590	2427	1-1/8	2-1/8	2	286
TEM-XH-40.1/153	3400	1000	720	590	3050	1-1/8	2-1/8	2	325
TEM-XH-47.6/204	3400	1000	720	590	3050	1-1/8	2-1/8	2	393
TEM-XL-8.2/45	1990	700	850	590	1647	5/8	1-3/8	1-1/2	174
TEM-XL-11.5/79	2770	850	700	590	2427	7/8	1-5/8	1-1/2	248
TEM-XL-13.9/106	2770	850	700	590	2427	7/8	1-5/8	1-1/2	278
TEM-XL-16.8/93	3375	850	700	590	3027	1-1/8	2-1/8	1-1/2	313
TEM-XL-20.6/125	3375	850	700	590	3027	1-1/8	2-1/8	1-1/2	348
TEM-XL-16.1/95	2770	1000	720	590	2427	1-1/8	2-1/8	2	238
TEM-XL-16.6/127	2770	1000	720	590	2427	1-3/8	2-1/8	2	285
TEM-XL-20.8/120	3400	1000	720	590	3027	1-1/8	2-1/8	2	321
TEM-XL-25.7/160	3400	1000	720	590	3027	1-3/8	2-1/8	2	390
TEM-XL-22.0/145	3310	1235	850	690	2952	1-1/8	2-1/8	2	342
TEM-XL-23.8/193	3310	1235	850	690	2952	1-1/8	2-1/8	2	410
TEM-XL-30.6/217	3760	1235	850	690	3300	1-1/8	2-1/8	2	387
TEM-XL-33.5/290	3760	1235	850	690	3300	1-1/8	2-1/8	2	440



Selection Features & Performance

To select the product in conditions of practical use with R404A, it is necessary to multiply the nominal capacity value by the correction factor stated in (Table 1).

With other refrigerants, multiply the nominal capacity by the respective factor (Table 2).

Table 1: Correction Factor of nominal capacity kW (R404A) for different room temperature and TD (F1)

ΔT (K)																	
10	1.09	1.09	1.10	1.13	1.16	1.19	1.22	1.25	1.29	1.34	1.38	1.42	1.47	1.47	1.47	1.47	1.47
9	0.98	0.98	0.99	1.02	1.04	1.07	1.10	1.13	1.16	1.20	1.24	1.28	1.32	1.32	1.32	1.32	1.32
8	0.87	0.87	0.88	0.90	0.93	0.95	0.98	1.00	1.04	1.07	1.10	1.14	1.17	1.17	1.17	1.17	1.17
7	0.76	0.76	0.77	0.79	0.81	0.83	0.85	0.88	0.91	0.94	0.97	1.00	1.03	1.03	1.03	1.03	1.03
6	0.65	0.65	0.66	0.68	0.70	0.71	0.73	0.75	0.78	0.80	0.83	0.85	0.88	0.88	0.88	0.88	0.88
5	0.54	0.54	0.55	0.57	0.58	0.60	0.61	0.63	0.65	0.67	0.69	0.71	0.73	0.73	0.73	0.73	0.73
4	0.44	0.44	0.44	0.45	0.46	0.48	0.49	0.50	0.52	0.54	0.55	0.57	0.59	0.59	0.59	0.59	0.59
°C	-35	-30	-25	-20	-15	-10	-5	0	1	2	3	4	5	6	8	10	12

Table 2: Correction Factor for Refrigerants (F2)

T Room (°C)	-35	-30	-25	-20	-15	-10	-5	0	1	2	3	4	5	6	8	10	12
R22	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
R134A	-	-	-	-	0.86	0.88	0.89	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.93	0.93	0.93
R404A	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Selection Example:

A) For TEM model based on different conditions

Air Inlet Temperature = -20°C

Temperature Different, ΔT = 7K

Refrigerant = R404A

Selected Model = TEM-L-4.3/15

Nominal Capacity (W) from Catalogue = 5388

Head Load (W),
can be calculated by using formula,

Nominal Capacity x F1 x F2 = 5388 x 0.79 x 1.00

= 4257W

B) Select TEM model based on required heat load

Heat Load = 9000W

Air Inlet Temperature = 0°C

Temperature Different, ΔT = 7K

Refrigerant = R404A

Nominal Capacity (W),
can be calculated by using formula,

(Head Load) / (F1 x F2) = (9000) / (0.88 x 1.00)

= 10227W

Selected model (High Temp Application) =
TEM-H-10.5/45

Note

[illegible]