

# Semi Hermetic Air Cooled Condensing Units

Available for All Environmental Friendly Refrigerants: 50HZ  
R134A/R404A/R 407C/R 449A/ R449A/R 507/R22

## *RefComp*



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### **ABOUT THE COMPANY:**

Snowman Middle East FZCO, is a Free Zone Company Located in JAFZA (Jebel Ali Free Zone) , Dubai,United Arab Emirates (UAE), Which is in the Heart of Middle East Region .

Snowman Middle East FZCO has 7000 Square Meters of Area with an Industrial and Trading License from JAFZA (Jebel Ali Free Zone) to manufacture Specialized Industrial Machinery as well as Ice Storage Systems(Cold Storage Compartment) . Under the Trading License , We import and Sell all type of Ice Machines (Flake ,Tube ,Block , Slurry and Plate Ice Machines), Water Chillers,Semihhermetic Compressors(Reciprocating & Compact Screw), Condensing Units (Air Cooled and Water Cooled) ,Commercial and Industrial Refrigeration Packages ( Refrigeration Racks and Ammonia Packages ) . We have Wide Sales and Service Network all over Middle East and Africa Region.

Snowman Middle East FZCO Imports,Stocks and Sells the following Brands of Product in Middle East Region and Africa Region. Along with Sales, We also provide spare parts and After-Sales Support to our Machines .Our Sales and Service Engineers are located in various parts of Middle East , to ensure maximum Up- time of our Machines resulting incomplete Customer satisfaction.

**1.Snowkey** : Provide Sales and After-Sales Service support for all type of Ice Machines (Flake ,Tube ,Block , Slurry and Plate Ice Machines). Our Machines are Operational in Middle East Region from last 15 years and We have more than 500 Installation of Ice Machines running in Middle East region for Concrete Cooling , Fisheries , Snow Park and other Applications.

**2.Refcomp** : Sales and Service of Semi Hermetic Reciprocating Compressors (2Cylinder,4Cylinder,6Cylinder and 8CylinderCompressors),CompactScrew Compressors (30hp to 380 hp), Condensing units andRefrigeration Racks for Commercial Refrigeration.

**3. SRM Tec** : Sales and Service of Open Type Semi Hermetic Screw Compressors andOpen Type Semi Hermetic Screw Packages for Industrial Refrigeration (Food Processing,Diary , Large Cold Storage Warehousing



## **SNOWMAN GROUP :**

Snowman Middle East FZCO is the Middle East Subsidiary of **Fujian Snowman Co Ltd, China**. Fujian Snowman, is a Global High Tech Company with compressor technology as a core, principally engaged in Research and Development, Manufacturing, Sales, Installation, and After Sales -Service of Ice Machines, Semi Hermetic Reciprocating and Compact Screw Compressors, Industrial & Commercial refrigeration Packages and Cold storage Projects.

Fujian Snowman Company Ltd got Public Listed in December 2002 at Shenzhen Stock Exchange (Stock Code :002639).

Globally Fujian Snowman has substantial Market Share in Ice Machines. Recently they have acquired two European Companies who are Involved in Designing, Manufacturing of High Technology Compressors for Refrigeration and Air Conditioning.

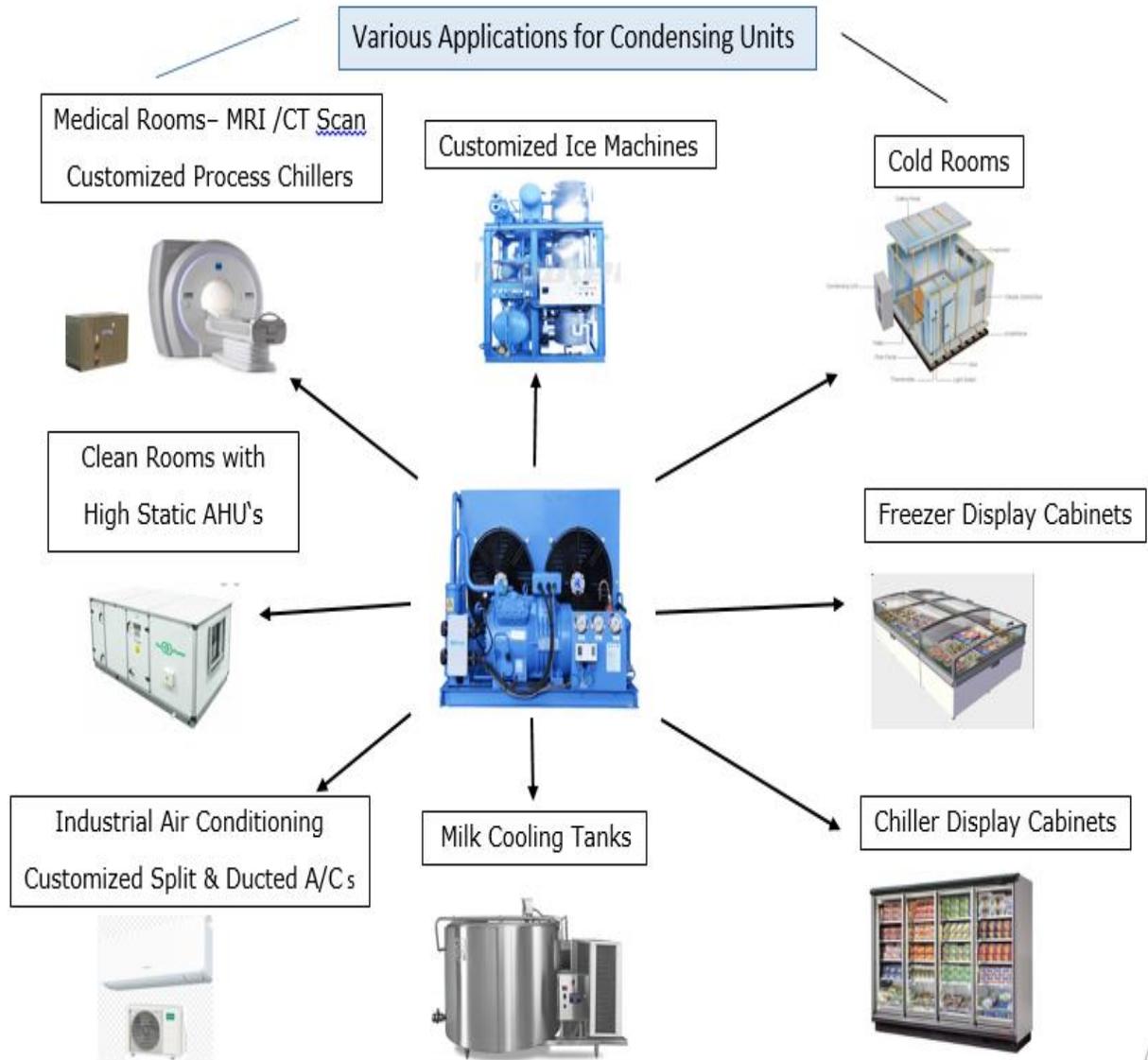
1. Svenska Rotor Maskiner (SRMTEC Sweden) : 100 Year Old Swedish Company who are First to Invent Screw Compressor in the World .
2. Refcomp Italy : 25 Year Old Italian Semi Hermetic Compressor Manufacturer who are the First to bring INVERTOR TECHNOLOGY on Screw Compressor used for Air Conditioning and Refrigeration Applications . This INVERTOR TECHNOLOGY is primarily used for Energy Savings.

In 2015, To Complete the Range in Compressor Technology, Fujian Snowman has acquired Equity share in Centrifugal Compressor Manufacturer NREC, USA. With this arrangement Fujian Snowman has emerged as one of the Reputed Compressor manufacturer with Compressor Technology as Core Business to venture in New Application Areas (Energy Utilization, Ultra Low Temperature, Waste Heat Recovery, Air System for Fuel Cell) With Mergers and Acquisitions, Fujian Snowman has enhanced its Capabilities in Providing More Products and Solutions which impact the World in the Areas of Energy Savings and Environment Protection .

Snowman has Six R & D Centre in the World with three Manufacturing facilities (UAE, Italy and China) with more than 300 Patents . Snowman has obtained ISO 9001, ISO 14-001, OHSAS 18001 and CE certifications (for Compressors)

## REFCOMP AIR COOLED CONDENSING UNITS :

Refcomp Semi Hermetic Air Cooled Condensing can be widely used for High /Medium / Low Room Temperature Applications in Refrigeration and Air Conditioning Systems such as Individual Cold Storage Rooms, Chiller Cabinets at Dairy Section in Shopping Malls, Freezer Cabinets at Frozen Section (Chicken/ Meat /Seafood) in Shopping Malls, Highly Sophisticated Clean Rooms , Low Humidity Tablet Manufacturing Areas ,Operation Theatres, Milk Cooling Tanks and Process Cooling Chillers .



A

## TYPES OF AIR COOLED CONDENSING UNITS :

Refcomp has two types of Air- Cooled Condensing units assembled at their factory.

1. Medium /High Room Temperature Condensing Units.
2. Low Room Temperature Condensing Units.

The Air Cooled Condensing Units which are assembled for Middle East Market are of Tropicalized Copper -Aluminum Condenser Coil for High Ambient Temperatures which are larger in size for Efficient Cooling under Extreme Ambient Temperatures.

Refcomp Condensing units has Optimized Condenser Fans depending on the Size of the Compressor .It ranges from 1 Condenser Fan Design to 4 Condenser Fan Design depending on the Size of the Compressor and Ambient Temperatures. All Refcomp Condensing Units come with adequately sized Liquid Receiver, Base Frame and with HP/LP Switch as Standard Configuration.

Refcomp can also Provide fully Dressed Condensing Units depending upon the Customer requirements with optional Components like Filter Drier , Sight Glass, Solenoid Valve, Suction Accumulator , Oil Separator and Pressure Gauges ( HP and LP Pressure Gauges).For more details and Specification contact Snowman Middle East Office at Dubai.

With 50 Hz frequency, Medium /High Temperature Refcomp Air Cooled Condensing Units are available from 17.5 m<sup>3</sup> /hour to 154.4m<sup>3</sup>/hour with two cylinder, Four Cylinder and Six Cylinder Semi Hermetic Compressors. All our Semi Hermetic Reciprocating Compressors are CE Certified.



**One Fan**



**Two Fan**



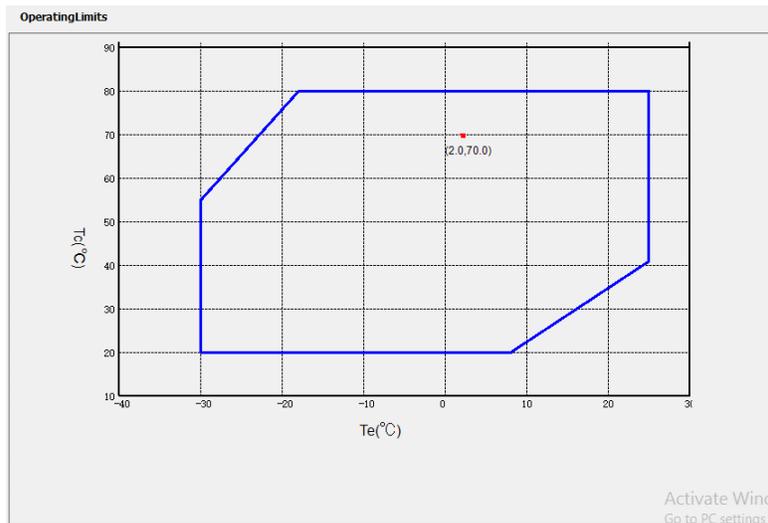
**Four Fan**

## REFRIGERANTS & APPLICATION ENVELOPE :

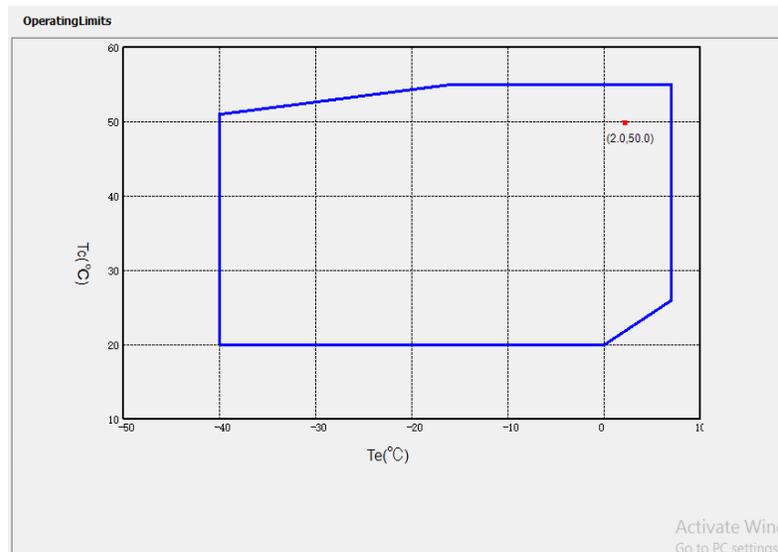
Refcomp Condensing Units can be used for Most of the Environmental Friendly Refrigerants (HCFC/HFC/HFO) with Low Global Warming Potential(GWP). We are enclosing the Application Envelopes of Most Used Refrigerants (R 134 a /R 404 a / R 407C // R 507 / R 22). If you need New Refrigerants to be used in Condensing Units, Please get in touch with Snowman Middle East Office at Dubai.

The Application Envelope for various Refrigerants for Medium/High Evaporating Temperature and Condensing Temperature for the Compressors which are in the Condensing units are given below.

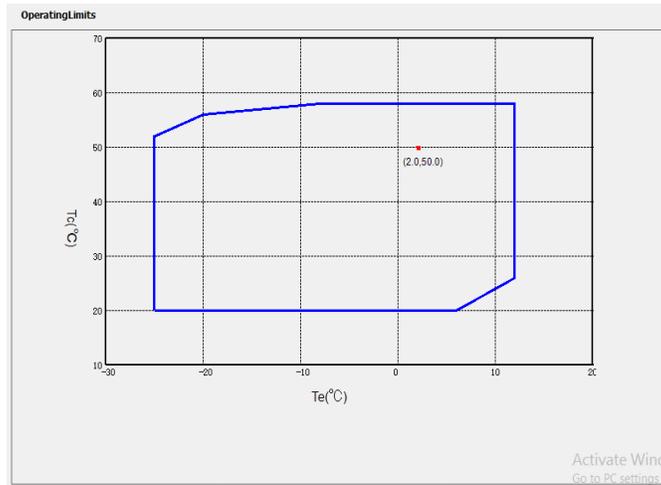
### R 134a



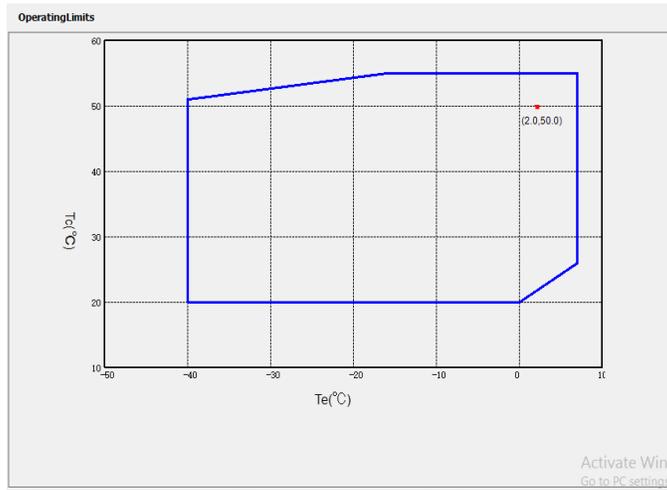
### R 404a



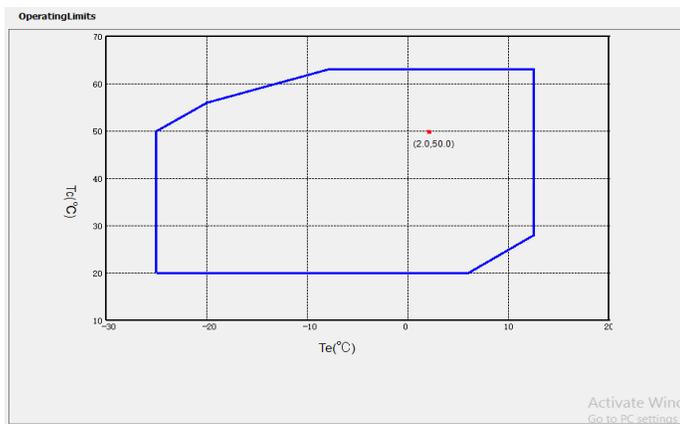
## R407c



## R507a



## R22



# MEDIUM / HIGH TEMPERATURE CONDENSING UNITS



## Technical Details for Medium / High Temperature Condensing Units

Condensing Unit Models	Compressor			Condenser		Suction Line Size	Liquid Line Size	Dimensions of the Condensing Unit			Weight
	Compressor Model	Compressor Displacement m3/Hour	Max Working Current A	Fan Nos	Air Flow m3/Hour			Length	Width	Height	
						mm	mm	mm	kg		
AP2H005	SP2H 0500	17.5	12.0	2	6600	28	12	1220	850	720	260
AP2H008	SP2H 0800	24.5	16.0	2	6600	28	12	1220	850	720	280
AP4HF010	SP4HF 1000	35.0	24.0	2	12594	28	16	1380	1060	1060	420
AP4HF015	SP4HF 1500	49.0	33.0	2	12594	42	16	1380	1060	1060	440
AP4HF020	SP4HF 2000	56.0	40.0	2	14404	42	16	1380	1060	1060	460
AP4H022	SP4H 2200	64.7	37.0	2	14404	42	22	1595	1130	1480	580
AP4H025	SP4H 2500	75.0	43.0	4	23964	54	22	1595	1130	1480	600
AP4H030	SP4H 3000	86.1	52.0	4	25752	54	22	1595	1130	1480	620
AP4H035	SP4H 3500	102.9	56.0	4	25752	54	22	1595	1130	1480	660
AP6H040	SP6H 4000	129.1	75.0	4	38544	54	28	1860	1225	1685	720

Refrigerant R 134a									
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-10		-5		0		5	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP2H005	28 DegC	5.7	2.2	7.3	2.4	9.2	2.6	11.4	2.8
	32 DegC	5.3	2.2	6.9	2.5	8.7	2.7	10.8	3
	38 DegC	4.8	2.3	6.3	2.6	8	2.9	10	3.2
	43 DegC	4.3	2.4	5.7	2.7	7.4	3	9.2	3.3
	45 DegC	4.1	2.4	5.5	2.7	7.1	3	8.9	3.4
AP2H008	28 DegC	8.0	3.0	10.3	3.3	12.9	3.6	15.9	3.9
	32 DegC	7.5	3.1	9.7	3.4	12.2	3.8	15.1	4.1
	38 DegC	6.7	3.2	8.8	3.6	11.2	4	13.9	4.4
	43 DegC	6	3.3	8	3.7	10.3	4.1	12.9	4.6
	45 DegC	5.8	3.3	7.7	3.7	10	4.2	12.5	4.7
AP4HF010	28 DegC	11.4	3.7	14.7	4.1	18.5	4.5	22.8	4.9
	32 DegC	10.7	3.8	13.8	4.3	17.5	4.7	21.6	5.1
	38 DegC	9.5	4	12.5	4.5	16	5	19.9	5.5
	43 DegC	8.6	4.1	11.4	4.6	14.7	5.1	18.5	5.7
	45 DegC	8.2	4.1	11	4.6	14.2	5.2	17.9	5.8
AP4HF015	28 DegC	16.0	5.2	20.5	5.8	25.9	6.3	31.9	6.9
	32 DegC	14.9	5.4	19.4	6	24.5	6.6	30.3	7.2
	38 DegC	13.3	5.5	17.5	6.2	22.4	6.9	27.9	7.7
	43 DegC	12	5.7	16	6.4	20.6	7.2	25.8	8
	45 DegC	11.5	5.7	15.4	6.5	19.9	7.3	25	8.1
AP4HF020	28 DegC	18.2	6.0	23.5	6.6	29.6	7.2	36.4	7.9
	32 DegC	17.1	6.1	22.1	6.8	28	7.5	34.6	8.2
	38 DegC	15.3	6.3	20	7.1	25.6	7.9	31.8	8.7
	43 DegC	13.7	6.5	18.3	7.3	23.5	8.2	29.5	9.1
	45 DegC	13.1	6.5	17.6	7.4	22.7	8.3	28.6	9.3
AP4H022	28 DegC	21.3	7.0	27.4	7.8	34.5	8.5	42.8	9.3
	32 DegC	20.1	7.2	25.9	8	32.8	8.9	40.7	9.7
	38 DegC	18.3	7.5	23.8	8.4	30.2	9.3	37.6	10.3
	43 DegC	17	7.7	22.1	8.7	28.1	9.7	35.1	10.8
	45 DegC	16.4	7.7	21.4	8.8	27.3	9.8	34.2	10.9

Refrigerant R 134a									
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-10		-5		0		5	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP4H025	28 DegC	24.6	8.1	31.7	9	40.1	9.9	49.6	10.7
	32 DegC	23.3	8.4	30.1	9.3	38	10.3	47.2	11.2
	38 DegC	21.3	8.7	27.6	9.7	35.1	10.8	43.6	12
	43 DegC	19.7	8.9	25.6	10	32.6	11.2	40.8	12.5
	45 DegC	19	9	24.8	10.2	31.7	11.4	39.6	12.7
AP4H030	28 DegC	28.3	9.3	36.4	10.3	45.9	11.3	56.9	12.3
	32 DegC	26.7	9.6	34.5	10.7	43.6	11.8	54.1	12.9
	38 DegC	24.4	9.9	31.7	11.2	40.2	12.4	50.1	13.7
	43 DegC	22.6	10.2	29.4	11.5	37.4	12.9	46.7	14.3
	45 DegC	21.8	10.3	28.5	11.6	36.3	13.1	45.4	14.5
AP4H035	28 DegC	33.8	11.2	43.5	12.3	54.9	13.5	68	14.7
	32 DegC	31.9	11.5	41.2	12.8	52.1	14.1	64.7	15.4
	38 DegC	29.2	11.9	37.8	13.4	48.1	14.9	59.8	16.4
	43 DegC	27	12.2	35.1	13.8	44.7	15.4	55.9	17.1
	45 DegC	26.1	12.3	34	13.9	43.4	15.6	54.3	17.4
AP6H040	28 DegC	42.5	14.0	54.8	15.5	69.1	17	85.5	18.5
	32 DegC	40.1	14.4	51.8	16.1	65.6	17.7	81.4	19.4
	38 DegC	36.7	14.9	47.6	16.8	60.4	18.7	75.3	20.6
	43 DegC	33.9	15.3	44.2	17.3	56.3	19.4	70.3	21.5
	45 DegC	32.8	15.4	42.8	17.5	54.6	19.7	68.3	21.9

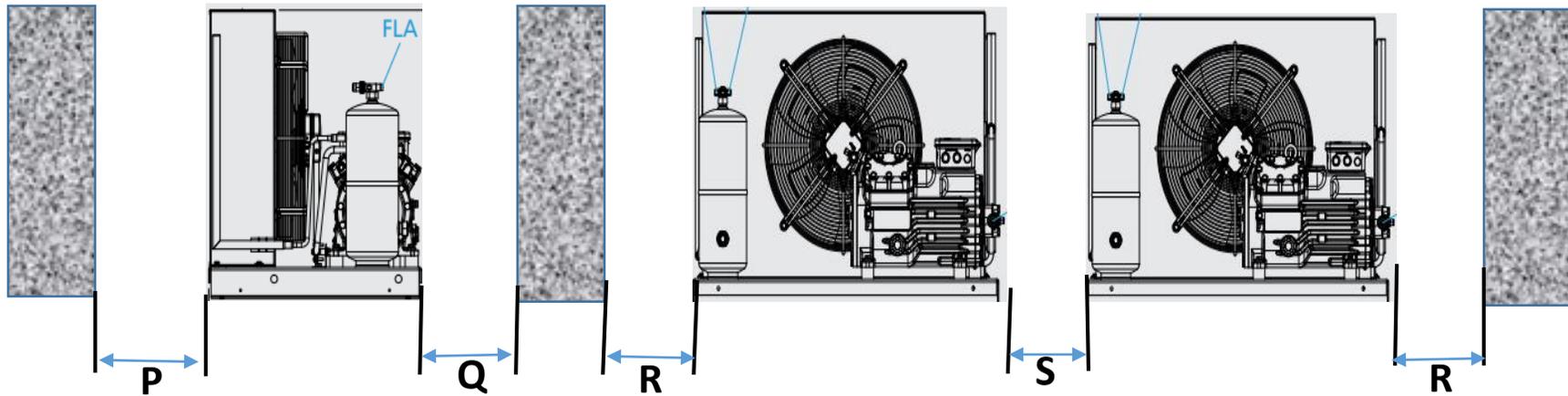
Refrigerant R404a									
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-10		-5		0		5	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP2H005	28 DegC	9.9	3.7	12.6	4.1	15.7	4.5	19.5	5
	32 DegC	9.1	3.8	11.6	4.3	14.6	4.7	18.2	5.2
	38 DegC	8	4.1	10.2	4.5	12.9	5	16.1	5.6
	43 DegC	7	4.3	9	4.8	11.4	5.3	14.4	5.9
	45 DegC	6.7	4.3	8.5	4.9	10.9	5.4	13.7	6
AP2H008	28 DegC	13.9	5.1	17.6	5.7	22	6.3	27.4	6.9
	32 DegC	12.8	5.3	16.2	5.9	20.4	6.6	25.4	7.2
	38 DegC	11.2	5.6	14.2	6.3	18	7	22.5	7.7
	43 DegC	9.8	5.9	12.6	6.6	16	7.4	20.1	8.2
	45 DegC	9.3	6	12	6.8	15.2	7.6	19.2	8.4
AP4HF010	28 DegC	19.5	7.5	24	8	29.2	8.4	35.1	8.7
	32 DegC	17.9	7.8	22.2	8.3	27	8.8	32.7	9.1
	38 DegC	15.6	8.2	19.4	8.8	23.8	9.3	28.8	9.7
	43 DegC	13.6	8.5	17	9.1	21	9.7	25.5	10.2
	45 DegC	12.8	8.6	16	9.3	19.8	9.8	24.2	10.3
AP4HF015	28 DegC	27.2	10.5	33.5	11.2	40.8	11.8	49.2	12.2
	32 DegC	25.1	10.9	31	11.7	37.9	12.3	45.7	12.8
	38 DegC	21.9	11.5	27.1	12.3	33.3	13.1	40.4	13.6
	43 DegC	19.1	11.9	23.8	12.8	29.3	13.6	35.8	14.2
	45 DegC	17.9	12	22.4	13	27.7	13.8	33.9	14.4
AP4HF020	28 DegC	31.1	12	38.3	12.8	46.6	13.5	56.2	13.9
	32 DegC	28.7	12.5	35.5	13.4	43.3	14.1	52.3	14.6
	38 DegC	25	13.1	31	14.1	38	14.9	46.2	15.6
	43 DegC	21.8	13.5	27.2	14.6	33.5	15.5	40.9	16.3
	45 DegC	20.5	13.7	25.6	14.8	31.7	15.7	38.7	16.5
AP4H022	28 DegC	35.8	13.8	44.1	14.7	53.7	15.4	64.8	15.9
	32 DegC	33.1	14.4	40.9	15.4	50.1	16.2	60.6	16.8
	38 DegC	28.9	15.2	36	16.4	44.3	17.4	54	18.1
	43 DegC	25.4	15.9	31.8	17.2	39.4	18.3	48.3	19.2
	45 DegC	23.9	16.1	30.1	17.5	37.4	18.6	45.9	19.6

Refrigerant R404a									
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-10		-5		0		5	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP4H025	28 DegC	41.5	16	51.1	17	62.3	17.9	75.2	18.4
	32 DegC	38.4	16.7	47.5	17.8	58	18.8	70.3	19.5
	38 DegC	33.6	17.6	41.8	19	51.4	20.1	62.6	21
	43 DegC	29.4	18.4	36.9	19.9	45.7	21.2	56	22.2
	45 DegC	27.7	18.7	34.9	20.2	43.4	21.6	53.3	22.7
AP4H030	28 DegC	47.6	18.3	58.7	19.5	71.5	20.5	86.2	21.1
	32 DegC	44	19.1	54.4	20.4	66.6	21.5	80.6	22.3
	38 DegC	38.5	20.2	47.9	21.8	59	23.1	71.8	24.1
	43 DegC	33.7	21.1	42.3	22.8	52.4	24.3	64.2	25.5
	45 DegC	31.8	21.4	40	23.2	49.7	24.8	61.1	26.1
AP4H035	28 DegC	57.2	22	70.4	23.5	85.6	24.5	103	25.3
	32 DegC	52.9	23	65.3	24.5	79.7	25.8	96.3	26.7
	38 DegC	46.2	24.3	57.5	26.1	70.6	27.6	85.8	28.8
	43 DegC	40.5	25.3	50.7	27.4	62.7	29.1	76.7	30.5
	45 DegC	38.2	25.7	48	27.8	59.5	29.6	73	31.1
AP6H040	28 DegC	71.6	27.6	88.2	29.4	107.5	30.8	129.7	31.8
	32 DegC	66.2	28.7	81.9	30.7	100.1	32.4	121.2	33.6
	38 DegC	57.9	30.4	72.1	32.7	88.7	34.7	108	36.2
	43 DegC	50.7	31.7	63.6	34.3	78.8	36.5	96.6	38.4
	45 DegC	47.8	32.2	60.2	34.9	74.8	37.3	91.9	39.2

		Refrigerant R407c									
Models	Ambient Tempe DegC ↓	Evaporating Temperature DegC →									
		-10		-5		0		5			
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP2H005	28 DegC	8.2	3	10.6	3.3	13.4	3.5	16.5	3.7		
	32 DegC	7.6	3.1	9.9	3.4	12.6	3.7	15.6	3.9		
	38 DegC	6.8	3.3	8.9	3.6	11.4	3.9	14.2	4.2		
	43 DegC	6.1	3.4	8.1	3.8	10.4	4.1	13	4.5		
	45 DegC	5.9	3.4	7.7	3.8	9.9	4.2	12.5	4.6		
AP2H008	28 DegC	11.5	4.2	14.8	4.5	18.7	4.9	23.1	5.1		
	32 DegC	10.7	4.3	13.9	4.7	17.6	5.1	21.9	5.4		
	38 DegC	9.5	4.5	12.5	5	15.9	5.5	19.9	5.9		
	43 DegC	8.6	4.7	11.3	5.2	14.5	5.7	18.2	6.2		
	45 DegC	8.2	4.7	10.8	5.3	13.9	5.9	17.6	6.4		
AP4HF010	28 DegC	16.4	5.9	21.2	6.5	26.7	6.9	33	7.3		
	32 DegC	15.3	6.1	19.8	6.7	25.1	7.3	31.2	7.7		
	38 DegC	13.6	6.4	17.8	7.1	22.7	7.8	28.4	8.4		
	43 DegC	12.3	6.6	16.1	7.4	20.7	8.2	26.1	8.9		
	45 DegC	11.8	6.7	15.5	7.5	19.9	8.3	25.1	9.1		
AP4HF015	28 DegC	23	8.3	29.7	9	37.4	9.7	46.3	10.2		
	32 DegC	21.4	8.6	27.7	9.4	35.2	10.2	43.7	10.8		
	38 DegC	19.1	9	24.9	10	31.8	10.9	39.8	11.7		
	43 DegC	17.2	9.3	22.6	10.4	29	11.4	36.5	12.4		
	45 DegC	16.5	9.4	21.6	10.6	27.9	11.7	35.1	12.7		
AP4HF020	28 DegC	26.3	9.5	33.9	10.3	42.7	11.1	52.9	11.7		
	32 DegC	24.4	9.8	31.7	10.8	40.2	11.6	50	12.4		
	38 DegC	21.8	10.2	28.5	11.4	36.4	12.4	45.5	13.4		
	43 DegC	19.6	10.6	25.8	11.9	33.1	13.1	41.7	14.2		
	45 DegC	18.8	10.7	24.7	12.1	31.8	13.3	40.1	14.5		
AP4H022	28 DegC	30.4	11	39.2	11.8	49.4	12.5	61.1	13.1		
	32 DegC	28.2	11.7	36.6	12.4	46.5	13.4	57.7	14.1		
	38 DegC	25.2	12.7	32.9	13.8	42	14.7	52.6	15.6		
	43 DegC	22.7	13.5	29.8	14.8	38.3	15.9	48.2	17		
	45 DegC	21.7	13.9	28.6	15.2	36.8	16.4	46.4	17.6		

Refrigerant R407c									
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-10		-5		0		5	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP4H025	28 DegC	35.2	12.8	45.4	13.7	57.3	14.5	70.8	15.2
	32 DegC	32.8	13.6	42.5	14.6	53.9	15.5	67	16.3
	38 DegC	29.2	29.2	38.2	16	48.8	17.1	61	18.1
	43 DegC	26.3	15.7	34.6	17.1	44.4	18.5	55.8	19.7
	45 DegC	25.2	16.1	33.1	17.6	42.7	19.1	53.8	20.4
AP4H030	28 DegC	40.4	14.7	52.1	15.7	65.7	16.6	81.2	17.4
	32 DegC	37.6	15.5	48.7	16.7	61.8	17.8	76.8	18.7
	38 DegC	33.5	16.9	43.8	18.3	55.9	19.6	69.9	20.8
	43 DegC	30.2	18	39.6	19.7	50.9	21.2	64	22.6
	45 DegC	28.9	18.4	38	20.2	48.9	21.9	61.7	23.4
AP4H035	28 DegC	48.3	17.5	62.3	18.8	78.5	19.9	97.1	20.8
	32 DegC	44.9	18.6	58.3	20	73.9	21.3	91.8	22.4
	38 DegC	40	20.2	52.3	21.9	66.8	23.4	83.6	24.8
	43 DegC	36.1	21.5	47.4	23.5	60.9	25.3	76.6	27
	45 DegC	34.5	22	45.4	24.2	58.5	26.1	73.7	27.9
AP6H040	28 DegC	60.8	22	78.3	23.6	98.8	25	122.2	26.2
	32 DegC	56.5	23.4	73.3	25.2	92.9	26.8	115.5	28.1
	38 DegC	50.3	25.4	65.8	27.5	84.1	29.5	105.2	31.2
	43 DegC	45.4	27	59.6	29.6	76.6	31.9	96.3	34
	45 DegC	43.5	27.7	57.2	30.4	73.6	32.9	92.7	35.1

## INSTALLATION DISTANCE FOR MEDIUM/HIGH TEMPERATURE UNITS



Condensing Unit Models	Compressor Models	P	Q	R	S
		meters	meters	meters	meters
AP2H005	SP2H 0500	0.5	1	0.5	0.5
AP2H006	SP2H 0600	0.5	1	0.5	0.5
AP2H008	SP2H 0800	0.5	1	0.5	0.5
AP2H009	SP2H 0900	0.5	1	0.5	0.5
AP4HF010	SP4HF 1000	0.5	1	0.5	0.5
AP4HF012	SP4HF 1200	0.5	1	0.5	0.5
AP4HF015	SP4HF 1500	0.5	1	0.5	0.5
AP4HF020	SP4HF 2000	0.5	1	0.5	0.5
AP4H022	SP4H 2200	0.5	1	0.5	0.5
AP4H025	SP4H 2500	0.5	1	0.5	0.5
AP4H030	SP4H 3000	0.5	1	0.5	0.5
AP4H035	SP4H 3500	0.5	1	0.5	0.5
AP6H037	SP6H 3700	0.5	1	0.5	0.5
AP6H040	SP6H 4000	0.5	1	0.5	0.5
AP6H050	SP6H 5000	0.5	1	0.5	0.5

# LOW TEMPERATURE CONDENSING UNITS



## Technical Details for Low Temperature Condensing Units

Condensing Unit Models	Compressor			Condenser		Suction Line Size	Liquid Line Size	Dimensions of the Condensing Unit			Weight
	Compressor Model	Compressor Displacement m3/Hour	Max Working Current A	Fan Nos	Air Flow m3/Hour			Length	Width	Height	
						mm	mm				mm
AP2L003	SP2L 0300	17.5	9	2	6600	28	10	1220	850	720	260
AP2L005	SP2L 0500	24.5	12	2	6600	28	10	1220	850	720	280
AP4LF006	SP4LF 0600	35.0	16	2	7890	28	12	1240	925	855	420
AP4LF008	SP4LF 0800	42.0	19	2	7890	35	12	1240	925	855	440
AP4LF010	SP4LF 1000	49.0	24	2	12954	35	12	1240	925	855	460
AP4L015	SP4L 1500	64.7	29	2	13200	42	16	1380	1075	1060	560
AP4L022	SP4L 2200	86.1	39	2	13200	54	16	1380	1075	1060	580
AP4L025	SP4L 2500	102.9	43	4	23964	54	16	1380	1075	1060	600
AP6L030	SP6L 3000	129.1	54	4	26120	54	22	1605	1175	1685	670
AP6L040	SP6L 4000	154.4	75	4	26120	54	22	1605	1175	1685	700

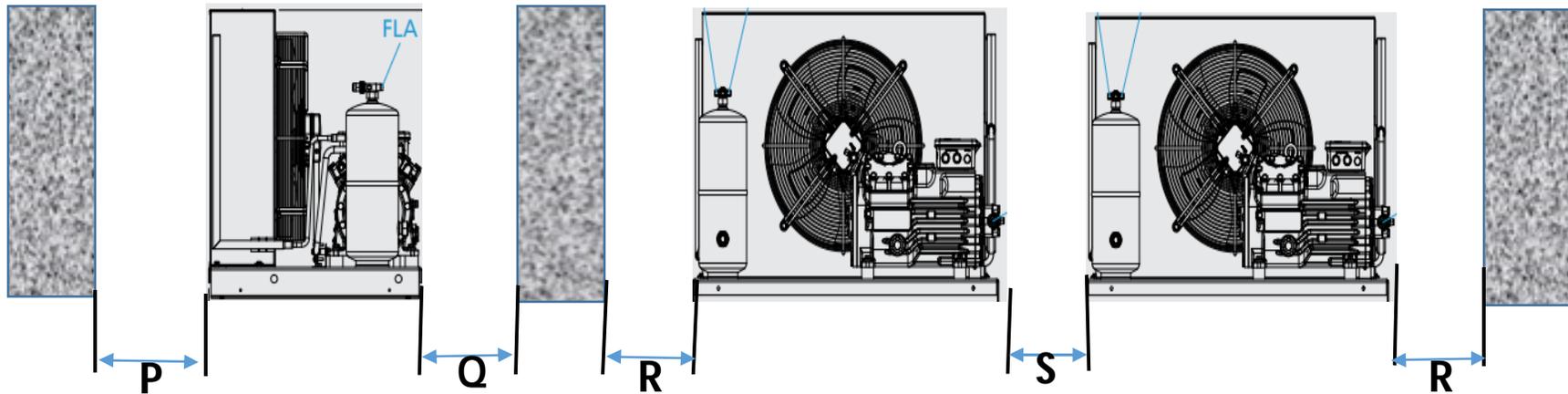
Refrigerant R404a									
Models	Ambient Temp DegC ↓	Evaporating Temperature DegC →							
		-15		-20		-25		-30	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP2L003	28 DegC	7.8	3.3	6.2	3	4.8	2.6	3.6	2.3
	32 DegC	7.2	3.4	5.6	3.1	4.3	2.7	3.2	2.3
	38 DegC	6.3	3.6	4.8	3.2	3.6	2.8	2.6	2.4
	42 DegC	5.5	3.7	4.2	3.3	3	2.9	2.3	2.4
	45 DegC	5.2	3.8						
AP2L005	28 DegC	10.9	4.5	8.6	4.1	6.7	3.6	5	3.2
	32 DegC	10.1	4.7	7.9	4.2	6	3.7	4.5	3.2
	38 DegC	8.8	5	6.8	4.4	5.1	3.9	3.7	3.3
	42 DegC	7.7	5.2	5.8	4.6	4.3	4	3.2	3.4
	45 DegC	7.2	5.3						
AP4LF006	28 DegC	15.6	6.9	12.3	6.2	9.5	5.5	7.2	4.8
	32 DegC	14.4	7.1	11.3	6.4	8.6	5.7	6.4	4.9
	38 DegC	12.5	7.5	9.7	6.7	7.2	5.9	5.3	5
	42 DegC	11	7.8	8.3	7	6.1	6.1	4.5	5.1
	45 DegC	10.3	8						
AP4LF008	28 DegC	18.7	8.2	14.8	7.4	11.8	6.6	8.6	5.8
	32 DegC	17.3	8.5	13.5	7.7	10.3	6.8	7.7	5.9
	38 DegC	15.1	9	11.6	8	8.7	7.1	6.3	6
	42 DegC	13.2	9.4	10	8.4	7.3	7.3	5.4	6.2
	45 DegC	12.4	9.6						
AP4LF010	28 DegC	21.8	9.6	17.3	8.7	13.3	7.7	10.1	6.7
	32 DegC	20.1	10	15.8	9	12.1	7.9	9	6.9
	38 DegC	17.6	10.5	13.5	9.4	10.1	8.2	7.4	7.1
	42 DegC	15.4	11	11.6	9.7	8.5	8.5	6.3	7.2
	45 DegC	14.5	11.2						
AP4L015	28 DegC	28.8	12.7	22.8	11.5	17.6	10.2	13.3	8.9
	32 DegC	26.6	13.2	20.8	11.8	15.9	10.5	11.9	9.1
	38 DegC	23.2	13.9	17.9	12.4	13.4	10.9	9.8	9.3
	42 DegC	20.3	14.5	15.4	12.9	11.2	11.2	8.3	9.5
	45 DegC	19.1	14.7						

Refrigerant R404a									
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-15		-20		-25		-30	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP4L022	28 DegC	38.4	16.9	30.3	15.2	23.4	13.6	17.7	11.8
	32 DegC	35.4	17.5	27.7	15.7	21.2	13.9	15.8	12.1
	38 DegC	30.8	18.5	23.8	16.5	17.8	14.5	13	12.4
	42 DegC	27	19.3	20.4	17.1	14.9	14.9	11.1	12.6
	45 DegC	25.4	19.6						
AP4L025	28 DegC	46.1	20.3	36.5	18.3	28.2	16.3	21.3	14.2
	32 DegC	42.6	21	33.3	18.9	25.5	16.7	19.1	14.5
	38 DegC	37.1	22.2	28.6	19.8	21.4	17.4	15.6	14.9
	42 DegC	32.5	23.2	24.6	20.6	18	17.9	13.3	15.2
	45 DegC	30.6	23.6						
AP6L030	28 DegC	57.7	25.4	45.6	22.9	35.2	20.4	26.6	17.8
	32 DegC	53.2	26.3	41.7	23.6	31.9	20.9	23.8	18.1
	38 DegC	46.4	27.8	35.7	24.8	26.8	21.7	19.5	18.6
	42 DegC	40.6	29	30.7	25.7	22.5	22.4	16.7	19
	45 DegC	38.3	29.5						
AP6L040	28 DegC	69.2	30.4	54.7	27.5	42.3	24.5	32	21.3
	32 DegC	63.8	31.6	50	28.4	38.3	25.1	28.6	21.7
	38 DegC	55.6	33.3	42.9	29.7	32.1	26.1	23.4	22.3
	42 DegC	48.7	34.8	36.8	30.9	27	26.9	20	22.7
	45 DegC	45.9	35.4						

		Refrigerant R22							
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-15		-20		-25		-30	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP2L003	28 DegC	7.6	3.1	6	2.8	4.5	2.5	3.3	2.2
	32 DegC	7.2	3.3	5.7	2.9	4.3	2.6	3.1	2.2
	38 DegC	6.6	3.5	5.2	3.1	3.9	2.7	2.8	2.3
	42 DegC	6.2	3.7	4.7	3.3	3.5	2.9	2.5	2.4
	45 DegC	6	3.8	4.6	3.4	3.4	2.9	2.4	2.5
AP2L005	28 DegC	10.7	4.3	8.4	3.9	6.3	3.5	4.6	3
	32 DegC	10.1	4.5	7.9	4.1	6	3.6	4.4	3.1
	38 DegC	9.3	4.9	7.2	4.3	5.4	3.8	3.9	3.2
	42 DegC	8.6	5.2	6.6	4.6	4.9	4	3.5	3.4
	45 DegC	8.3	5.3	6.4	4.7	4.7	4.1	3.3	3.4
AP4LF006	28 DegC	15.3	5.8	11.9	5.2	9.1	4.6	6.6	4
	32 DegC	14.5	6.1	11.3	5.4	8.6	4.8	6.3	4.1
	38 DegC	13.3	6.5	10.3	5.8	7.8	5.1	5.6	4.3
	42 DegC	12.9	6.9	9.5	6.1	7	5.3	5	4.5
	45 DegC	11.9	7.1	9.1	6.3	6.7	5.4	4.7	4.6
AP4LF008	28 DegC	18.3	6.9	14.3	6.2	10.9	5.5	7.9	4.9
	32 DegC	17.4	7.3	13.6	6.5	10.3	5.7	7.5	5
	38 DegC	16	7.8	12.4	7	9.3	6.1	6.8	5.2
	42 DegC	14.8	8.3	11.3	7.3	8.4	6.4	6	5.4
	45 DegC	14.3	8.5	10.9	7.5	8.1	6.5	5.7	5.5
AP4LF010	28 DegC	21.4	8.1	16.7	7.3	12.7	6.5	9.3	5.7
	32 DegC	20.3	8.5	15.8	7.6	12	6.7	8.8	5.8
	38 DegC	18.6	9.1	14.4	8.1	10.9	7.1	7.9	6
	42 DegC	17.2	9.7	13.2	8.6	9.8	7.4	7	6.3
	45 DegC	16.7	9.9	12.7	8.8	9.4	7.6	6.6	6.4
AP4L015	28 DegC	25.7	10.7	19.9	9.5	15.2	8.3	11.4	7.1
	32 DegC	24.4	11.3	18.8	10	14.3	8.7	10.6	7.4
	38 DegC	22.6	12.2	17.3	10.7	13.1	9.2	9.7	7.8
	42 DegC	21.3	12.9	16.2	11.3	12.2	9.6	9	8
	45 DegC	20.8	13.1	15.8	11.5	11.8	9.8	8.7	8.1

		Refrigerant R22							
Models	Ambient Temperature DegC ↓	Evaporating Temperature DegC →							
		-15		-20		-25		-30	
		Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW	Cooling KW	Power KW
AP4L022	28 DegC	34.2	14.3	26.5	12.7	20.2	11.1	15.1	9.5
	32 DegC	32.5	15.1	25	13.3	19	11.6	14.2	9.8
	38 DegC	30.1	16.2	23.1	14.3	17.4	12.3	12.9	10.3
	42 DegC	28.3	17.1	21.6	15	16.2	12.8	11.9	10.7
	45 DegC	27.6	17.6	21	15.2	15.7	13	11.6	10.8
AP4L025	28 DegC	40.9	17.1	31.7	15.2	24.1	13.3	18.1	11.3
	32 DegC	38.8	18	29.9	15.9	22.7	13.8	16.9	11.8
	38 DegC	36	19.4	27.6	17	20.8	14.7	15.4	12.4
	42 DegC	33.8	20.5	25.8	17.9	19.3	15.3	14.2	12.7
	45 DegC	33	20.9	25.1	18.2	18.8	15.5	13.8	12.9
AP6L030	28 DegC	51.5	21.5	39.8	19.1	30.4	16.7	22.7	14.3
	32 DegC	48.8	22.6	37.7	20	28.6	17.4	21.3	14.8
	38 DegC	45.2	24.4	34.7	21.4	26.1	18.5	19.3	15.5
	42 DegC	42.6	25.8	32.4	22.5	24.3	19.3	17.9	16
	45 DegC	41.6	26.3	31.6	22.9	23.7	19.5	17.4	16.2
AP6L040	28 DegC	61.5	25.7	47.6	22.8	36.3	19.9	27.2	17.1
	32 DegC	58.4	27.1	45	23.9	34.1	20.8	25.4	17.7
	38 DegC	54.1	29.1	41.4	25.6	31.2	22.1	23.1	18.6
	42 DegC	50.9	30.8	38.8	26.9	29.1	23	21.4	19.1
	45 DegC	49.7	31.4	37.8	27.4	28.3	23.3	20.8	19.3

# INSTALLATION DISTANCE FOR LOW TEMPERATURE UNITS



Condensing Unit Models	Compressor Models	P meters	Q meters	R meters	S meters
AP2L003	SP2L 0300	0.5	1	0.5	0.5
AP2L004	SP2L 0400	0.5	1	0.5	0.5
AP2L005	SP2L 0500	0.5	1	0.5	0.5
AP2L006	SP2L 0600	0.5	1	0.5	0.5
AP4LF006	SP4LF 0600	0.5	1	0.5	0.5
AP4LF008	SP4LF 0800	0.5	1	0.5	0.5
AP4LF010	SP4LF 1000	0.5	1	0.5	0.5
AP4LF012	SP4LF 1200	0.5	1	0.5	0.5
AP4L015	SP4L 1500	0.5	1	0.5	0.5
AP4L018	SP4L 1800	0.5	1	0.5	0.5
AP4L022	SP4L 2200	0.5	1	0.5	0.5
AP4L025	SP4L 2500	0.5	1	0.5	0.5
AP6L027	SP6L 2700	0.5	1	0.5	0.5
AP6L030	SP6L 3000	0.5	1	0.5	0.5
AP6L040	SP6L 4000	0.5	1	0.5	0.5
AP6L040	SP6L 4000	0.5	1	0.5	0.5

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