Copeland®
brand products

Product Selection Catalogue

Copeland Stream Series - State Of The Art Semi-Hermetic Piston Technology

Semi-Hermetic Condensing Units - 50Hz

EMERSON™
Climate Technologies

Copeland®
brand products

Contents

General information 04

Performance data for:

R404A

- Stream 08

R134a

- Stream 10

R407C (Dew point)

- Stream 12

R22

- Stream 14

Dimensional drawings 16

Mechanical and electrical data

- Stream 18

Multi Refrigerant

Its unique valve technology makes Stream a multi refrigerant compressor. One model suits all applications without any compromise on performance.

Modulation

Digital technology or operation with inverter makes Stream the most flexible choice for continuous capacity modulation.

Efficiency

Its unique valve technology makes Stream 10% more efficient than any other compressor and therefore helps you reduce the carbon footprint and running cost of your installation.

Diagnostics

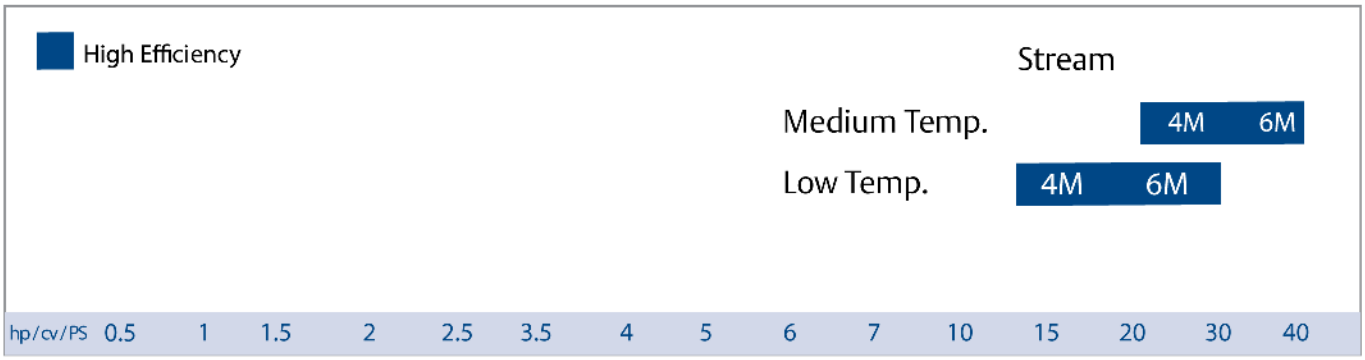
CoreSense™ Diagnostics technology helps your refrigeration equipment last longer. This technology offers advanced compressor Protection, diagnostics, communication and power consumption measurement.

Low Sound

Sound shell technology makes Stream the quietest compressor on the market for sound critical applications.

General Information

Product Range



Model Designation

V6	4	M	F	13X	DC	AWM
1	2	3	4	5	6	7

1 Condenser type

2 Number of cylinders

3 Compressor type

M = Stream

4 Displacement, valve plate, stoke, bore

5 Motor size

X = Ester oil

O = Mineral oil

6 DC[1)]

R22 Low temperature only

7 Motor version

1) Demand cooling

General Information

Semi-Hermetic Air-cooled Condensing Units

For many years, users of Copeland™ semi-hermetic condensing units have relied on Emerson Climate Technologies to provide high performance and value to the refrigeration market. Emerson Climate Technologies is committed to continuous technical development while maintaining the traditional values of Copeland™ for refrigeration.

This product selection catalogue provides a complete listing of the semi-hermetic condensing unit range for 50Hz operation.

Long engineering and manufacturing experience have led to these condensing units, produced in one of the most advanced facilities in Europe. They feature excellent quality and are traditionally well known in the refrigeration industry.

Range:

High Efficiency Copeland Stream units featuring Discus valve compressor technology, covering models from 13 to 35 HP

These units are specifically suitable for those applications where high efficiency is required.

For R22 low temperature applications, a liquid injection system is required (Demand Cooling). Condensing units available with this system are indicated by "DC" in the nomenclature.

Models supplied with ester oil are capable of operating with R404A, R407C or R134a thus suitable for a broad range of refrigerants and applications.

Standard Equipment

Compressor

- 3-phase motor protected by thermistors in motor windings and overload protector in the terminal box

All compressors are suitable for direct starting. To reduce inrush currents, motors for star-delta or part-winding start are available. An unloaded start device is available as option for all units with star-delta or part winding start motors.

Compressors are equipped with suction and discharge valves with gauge connections and an oil sight glass.

Condenser

- Copper tubes with aluminium fins
- Steel frame with fan baffle

Receiver

- With CE and UDT approval
- Sight glass with receivers
- Equipped with Rotalock valve and pressure relief valve connection

Fan motors

- Thermally protected, single-phase fans
- Run capacitor mounted and wired into terminal box
- Applicable for fan speed control
- Maintenance free

High / low pressure switch with automatic reset

High pressure safety cut-out (High Pressure Safety Cut-out) for units with compressors with a displacement of 50m ³/h (50Hz) or larger

Differential oil pressure switch (OPS1)

Electrical box

Applied on twin fan models.The single-phase equipment for fan is mounted and wired in the terminal box for easy installation.

Protection (class)

- Compressor, fan and differential oil pressure switch IP54
- High / Low pressure switch IP44
- All condensing units are supplied with a holding charge

Optional Accessories

- Crankcase heater
- Unloaded start
- Fan speed controller
- Housing
- Liquid receivers with larger volume versus standard mounted

Maximum Permissible Operating and Off-Cycle Pressures

Particular attention must be paid to the vapour pressures resulting from the ambient temperature (especially at standstill). The limits permitted for the compressor and other system components must not be exceeded.

The maximum operating pressures for each model are indicated on the corresponding data sheets and on the name plates. The condensing units must only be operated in the operating ranges approved.

Maximum Operating Pressures

Suction side =	22.5 bar gauge (only during standstill)
Discharge side =	28 bar gauge

Refrigerant Oils

Mineral oils are not miscible with HFCs, and thus cannot be used with HFCs. With HFC refrigerants, polyolester-lubricants (POE) must be used. However, handling these lubricants requires extra care to ensure the long life of the equipment.

Only the following oils are approved for use with R404A, R507, R407C, R134a or R22.

General Information

Lubricants

Mobil EAL Arctic 22 CC
ICI Emkarate RL 32CF

Specificities of POE Oil

The residual moisture in the installation must be below 50 ppm, and should be verified after 48 hours of operation. To achieve this, it is necessary to install a properly dimensioned filter drier suitable for the respective refrigerant in each system. The correct evacuation techniques are required when commissioning or servicing the refrigeration system.

Oil Identification

Condensing units designed for operation with R404A, R507, R407C, R134a or R22 are factory supplied with one of the approved oils and are suitably identified in several locations to prevent unauthorized lubricant oils from being filled into the system:

- The last figure in the motor size designation is replaced by an "X" in case the compressor contains POE oil.
- A sticker is attached to the compressor close to the oil filler neck.
- In addition to these identifications, the user must mark the refrigerant used in the system on the name plate.

Cooling Capacity

The capacity data was compiled according to EN 12900 and is valid for 50 cycles (Hz) operation.

Fan Speed Controller

An electronic fan speed controller is available to control the speed of the fans based on condenser pressure. One or two fans can be controlled at the same time. The controller operates with single-phase fan motors.

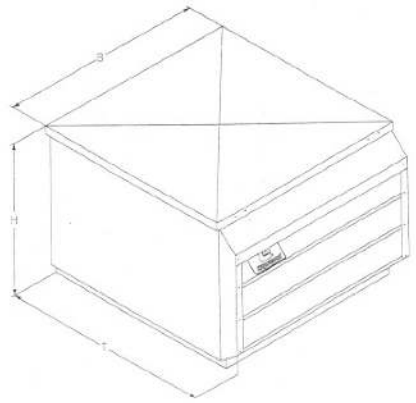
The electrical connection is made in the terminal box of the condensing units. The controller is mounted on the liquid valve with a Schraeder fitting and electrically wired. A choice is offered between lowering the speed to a minimum or switching off the fan. Fan speed versus condenser pressure is determined by adjusting the fan speed controller. Using a fan speed controller offers many operational advantages, including:

- Maintaining the necessary minimum condensing pressure for the expansion
- Lower sound level in part-load, e.g. during night time
- Reducing fluctuations in the condensing pressure

Housing

For the outdoor application Emerson Climate Technologies offers a range of housings with the following features:

- Galvanized housing
- Painted with RAL 7032, a rust-resistant paint
- Delivered as a flat pack
- Easy to mount
- Easy access for maintenance



Housing

Model	for	Dimensions			Weight (net)
		B (mm)	T (mm)	H (mm)	kg
V	V6, V9	1380	890	910	53
W*	W9	1690	890	910	58

Compressor Motors

Motor-Version	Voltage	Connection
Code	V (+/- 10%) / ~ / Hz	
AWM	380-420 / 3 / 50	YY/Y

YY/Y = Part-winding-start

Fan Motors

Fan Blade	Voltage	Run Capacitor	Power Input	Motor Current
Ø, mm	V (+/- 10%) / ~ / Hz	µF / V	W	A
300	220 - 240 / 1 / 50	2,5 / 400	85	0.46
350	220 - 240 / 1 / 50	4 / 400	130	0.66
420	220 - 240 / 1 / 50	6,3 / 400	235	1.38
500	220 - 240 / 1 / 50	10 / 400	400	2.13

50Hz

Condensing Unit[1]	Number of fans		Amb./ Temp. °C	Evaporating Temperature °C														
				-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
V6-4MF-13X	2	Q	32		5.33	7.43	10.76	13.65	16.88	20.42	24.27	28.39	32.76					
			38		3.69	6.36	9.46	12.05	14.93	18.10	21.54	25.23						
			43			4.71	7.41	10.74	13.33	16.18								
			46			4.21	6.77	9.96										
		P	32		5.84	6.99	8.22	9.50	10.85	12.26	13.73	15.27	16.89					
			38		5.76	6.99	8.30	9.68	11.13	12.65	14.24	15.90						
			43			6.95	8.33	9.79	11.33	12.94								
			46			6.92	8.33	9.84										
V6-4ML-15X	2	Q	32		5.74	9.14	13.00	16.33	19.98	23.92	28.13	32.57						
			38		4.67	7.88	10.45	14.55	17.83	21.37								
			43			5.93	9.17	13.05										
			46			5.29	8.40											
		P	32		7.08	8.40	9.86	11.43	13.11	14.88	16.73	18.65						
			38		7.13	8.49	10.00	11.66	13.42	15.29								
			43			8.54	10.10	11.81										
			46			8.57	10.15	11.86										
Z9-4ML-15X	4	Q	32		7.10	10.77	14.19	18.12	22.60	27.66	33.29	39.52	46.33					
			38		5.10	8.61	12.66	16.25	20.32	24.89	30.00	35.64	41.83					
			43			6.58	10.22	14.67	18.40	22.58	27.25	32.41	38.08					
			46			5.90	9.41	13.72	17.24	21.20	25.60							
		P	32		7.86	9.13	10.51	11.96	13.45	14.97	16.48	17.97	19.42					
			38		7.91	9.24	10.70	12.24	13.86	15.51	17.17	18.83	20.46					
			43			9.31	10.81	12.44	14.15	15.91	17.69	19.48	21.26					
			46			9.34	10.88	12.54	14.30	16.12	17.98							
W9-4MM-20X	2	Q	32		6.63	10.35	14.51	18.05	21.87	25.94	30.21	34.64						
			38		5.41	8.92	11.67	16.02	19.42	23.02								
			43			6.76	10.22	14.32										
			46			6.04	9.35											
		P	32		7.89	9.37	10.97	12.68	14.50	16.44	18.49	20.68						
			38		7.83	9.41	11.11	12.95	14.90	16.98								
			43			9.38	11.17	13.11										
			46			9.32	11.17											
Z9-4MM-20X	4	Q	32		8.15	12.18	15.91	20.14	24.90	30.20	36.06	42.46	49.38					
			38		5.92	9.77	14.17	18.00	22.30	27.07	32.33	38.08	44.32					
			43			7.52	11.45	16.20	20.11	24.44	29.20	34.42						
			46			6.75	10.53	15.12	18.79	22.85								
		P	32		8.69	10.10	11.58	13.11	14.69	16.30	17.95	19.63	21.34					
			38		8.67	10.20	11.81	13.49	15.22	17.00	18.83	20.69	22.60					
			43			10.20	11.92	13.73	15.60	17.53	19.50	21.52						
			46			10.17	11.96	13.84	15.79	17.81								
W9-4MT-22X	2	Q	32		7.58	11.49	15.92	19.68	23.76	28.13	32.75							
			38		6.26	9.93	12.78	17.45	21.09									
			43			7.54	11.19	15.58										
			46			6.76	10.24											
		P	32		8.83	10.51	12.35	14.33	16.45	18.71	21.10							
			38		8.79	10.55	12.48	14.58	16.82									
			43			10.53	12.53	14.72										
			46			10.48	12.53											
Z9-4MA-22X	4	Q	32			8.37	11.65	15.32	19.42	24.01	29.11	34.75	40.95	47.70	55.02	58.10		
			38				10.03	13.46	17.25	21.45	26.11	31.25	36.90	43.06	49.74	52.55		
			43				7.66	11.91	15.45	19.34	23.63	28.36	33.55	39.21				
			46				6.84	10.99	14.37	18.08	22.16	26.64						
		P	32			7.61	8.86	10.10	11.32	12.51	13.68	14.83	15.96	17.07	18.17	18.61		
			38				8.85	10.25	11.62	12.99	14.33	15.66	16.97	18.26	19.55	20.06		
			43				8.78	10.30	11.82	13.32	14.82	16.30	17.76	19.21				
			46				8.70	10.30	11.90	13.50	15.08	16.66						
Z9-4MH-25X	4	Q	32			8.94	13.41	17.48	22.11	27.33	33.16	39.63	46.73	54.46	62.79	66.29		
			38				11.74	15.49	19.71	24.46	29.76	35.63	42.08	49.11	56.70	59.90		
			43				9.15	13.80	17.70	22.05	26.90	32.27	38.17					
			46				8.28	12.79	16.48	20.59	25.17							
		P	32			8.83	10.20	11.62	13.09	14.57	16.07	17.57	19.06	20.53	21.99	22.57		
			38				10.21	11.78	13.41	15.07	16.76	18.45	20.15	21.85	23.53	24.20		
			43				10.16	11.85	13.61	15.43	17.28	19.14	21.02					
			46				10.10	11.87	13.72	15.62	17.57							
Z9-4MI-30X	4	Q	32			10.25	15.39	19.97	25.00	30.52	36.56	43.14	50.26	57.92	66.09	69.49		
			38				13.43	17.70	22.33	27.36	32.84	38.78	45.19	52.09				
			43				10.51	15.78	20.06	24.68	29.67	35.07						
			46				9.48	14.61	18.69	23.05								
		P	32			9.68	11.33	12.98	14.62	16.25	17.89	19.53	21.18	22.86	24.56	25.26		
			38				11.36	13.22	15.07	16.92	18.76	20.60	22.46	24.33				
			43				11.27	13.31	15.35	17.39	19.41	21.44						
			46				11.17	13.32	15.48	17.63								

Q(kW)= Capacity

P(kW)[2] = Power Input

Operating Conditions 20°C Suction Gas Return

0 °C Suction Gas Return

20 K Suction Superheat

[1] Models rated for R404a may be applied with R507. Multiply stated cooling capacity by 1.03 and power input by 1.02

[2] Stated power values are inclusive of fan power

[3] Delivered separately in two main parts

50Hz

Condensing Unit[1]	Number of fans		Amb./ Temp. °C	Evaporating Temperature °C															
				-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5
Z9-4MT-22X	4	Q	32		9.34	13.65	17.65	22.23	27.43	33.27	39.75	46.86	54.59					
			38		6.89	10.98	15.72	19.88	24.59	29.87	35.73	42.18	49.21					
			43			8.48	12.70	17.89	22.18	26.99	32.34							
			46			7.64	11.69	16.69	20.72	25.25								
		P	32		9.62	11.22	12.93	14.72	16.57	18.48	20.43	22.41	24.42					
			38		9.62	11.33	13.17	15.10	17.11	19.19	21.32	23.48	25.68					
			43			11.35	13.28	15.34	17.48	19.70	21.97							
			46			11.33	13.32	15.45	17.66	19.96								
Z9-4MU-25X	4	Q	32		10.03	14.79	19.15	24.15	29.81	36.13	43.11	50.73						
			38		7.43	11.89	17.08	21.56	26.63	32.30	38.57							
			43			9.17	13.72	19.36	23.93	29.04	34.71							
			46			8.29	12.62	18.02	22.28									
		P	32		10.52	12.39	14.38	16.47	18.64	20.87	23.14	25.45						
			38		10.55	12.50	14.60	16.81	19.11	21.48	23.90							
			43			12.52	14.68	16.98	19.38	21.85	24.39							
			46			12.49	14.69	17.03	19.49									
Z9-6MM-30X	4	Q	32		12.08	16.29	22.80	28.52	34.93	42.02	49.79	58.19	67.19					
			38		8.82	14.22	20.36	25.53	31.28	37.61	44.54	52.04						
			43			10.90	16.36	22.98	28.18									
			46			9.77	15.04	21.42										
		P	32		12.63	14.87	17.28	19.82	22.48	25.26	28.16	31.16	34.28					
			38		12.56	14.96	17.56	20.32	23.21	26.24	29.38	32.65						
			43			14.92	17.66	20.61	23.70									
			46			14.83	17.67	20.72										
Z9-4MJ-33X	4	Q	32			11.64	17.01	21.83	27.21	33.18	39.74	46.89	54.60	62.86	71.61	75.24		
			38				14.98	19.39	24.26	29.63	35.52	41.93	48.85	56.26				
			43				11.88	17.35	21.80	26.67	31.99							
			46				10.85	16.13	20.32	24.89								
		P	32			10.71	12.39	14.16	16.00	17.89	19.83	21.80	23.79	25.80	27.83	28.65		
			38				12.49	14.40	16.39	18.46	20.58	22.74	24.94	27.16				
			43				12.52	14.53	16.65	18.85	21.12							
			46				12.51	14.58	16.77	19.06								
W99-4MK-35X[3]	4	Q	32			13.07	18.92	24.15	30.00	36.48	43.59	51.30	59.59	68.43	77.75	81.60		
			38				16.68	21.42	26.68	32.48	38.83	45.72	53.13					
			43				13.20	19.12	23.88	29.11	34.82							
			46					17.74	22.19									
		P	32			12.25	14.12	16.13	18.27	20.50	22.80	25.16	27.56	29.97	32.38	33.33		
			38				14.36	16.49	18.76	21.14	23.59	26.11	28.66					
			43				14.48	16.71	19.08	21.57	24.14							
			46					16.81	19.23									
W99-6MI-40X[3]	4	Q	32			15.17	22.11	28.20	34.93	42.30	50.29	58.84	67.91	77.44				
			38				19.54	25.09	31.16	37.76	44.89	52.51						
			43				15.45	22.47	27.98	33.94								
			46					20.88										
		P	32			14.26	16.74	19.32	21.99	24.76	27.62	30.57	33.62	36.77				
			38				17.02	19.81	22.71	25.70	28.79	31.97						
			43				17.17	20.15	23.24	26.42								
			46					20.33										

Q(kW)= Capacity
P(kW)[2] = Power Input

Operating Conditions 20°C Suction Gas Return

0 °C Suction Gas Return
20 K Suction Superheat

[1] Models rated for R404a may be applied with R507. Multiply stated cooling capacity by 1.03 and power input by 1.02
[2] Stated power values are inclusive of fan power
[3] Delivered separately in two main parts

50Hz

Condensing Unit	Number of fans		Amb./ Temp. °C	Evaporating Temperature °C														
				-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5
V6-4MF-13X	2	Q	32							12.38	15.73	19.55	23.84	28.61	33.82	36.02	39.43	42.38
			38							11.30	14.41	17.94	21.89	26.27	31.05	33.07	36.20	38.91
			43							10.42	13.33	16.61	20.27	24.32	28.74	30.61	33.51	
			46							9.90	12.69	15.82	19.30	23.15	27.36			
		P	32							6.56	7.40	8.24	9.09	9.97	10.89	11.27	11.87	12.40
			38							6.78	7.70	8.63	9.58	10.56	11.60	12.03	12.70	13.28
			43							6.93	7.92	8.93	9.96	11.03	12.16	12.62	13.35	
			46							7.01	8.04	9.09	10.17	11.30	12.48			
V6-4ML-15X	2	Q	32							14.80	18.62	22.93	27.72	32.97	38.64	41.02	44.70	47.85
			38							13.59	17.17	21.17	25.59	30.42	35.64	37.82	41.21	44.11
			43							12.59	15.96	19.70	23.82	28.30	33.14			
			46							11.98	15.24	18.82	22.75	27.03				
		P	32							7.71	8.70	9.75	10.84	11.99	13.20	13.70	14.48	15.15
			38							7.96	9.05	10.20	11.40	12.66	13.99	14.54	15.38	16.10
			43							8.16	9.32	10.56	11.85	13.20	14.62			
			46							8.26	9.48	10.76	12.11	13.52				
Z9-4ML-15X	4	Q	32							15.68	19.92	24.83	30.47	36.86	44.02	47.10	51.96	56.21
			38							14.43	18.42	23.00	28.23	34.16	40.79	43.65	48.15	52.10
			43							13.39	17.16	21.47	26.37	31.90	38.10	40.76	44.97	48.67
			46							12.77	16.41	20.55	25.24	30.54	36.47	39.03	43.06	46.60
		P	32							8.31	9.17	10.02	10.87	11.70	12.51	12.83	13.31	13.70
			38							8.59	9.56	10.53	11.50	12.46	13.42	13.80	14.36	14.83
			43							8.80	9.86	10.92	12.00	13.08	14.15	14.57	15.21	15.73
			46							8.92	10.03	11.15	12.29	13.43	14.57	15.03	15.70	16.27
W9-4MM-20X	2	Q	32							16.38	20.53	25.18	30.34	35.99	42.08	44.63	48.58	51.96
			38							15.06	18.95	23.27	28.04	33.24	38.83	41.18	44.80	
			43							13.96	17.63	21.68	26.12	30.94				
			46							13.30	16.83	20.72	24.96					
		P	32							8.52	9.59	10.73	11.94	13.22	14.55	15.11	15.96	16.68
			38							8.83	9.98	11.22	12.54	13.94	15.40	16.00	16.93	
			43							9.06	10.28	11.60	13.01	14.50				
			46							9.18	10.45	11.82	13.28					
Z9-4MM-20X	4	Q	32							17.30	21.87	27.15	33.18	39.98	47.59	50.85	55.98	60.47
			38							15.95	20.24	25.16	30.76	37.07	44.11	47.13	51.88	56.04
			43							14.81	18.88	23.51	28.74	34.63	41.20	44.02	48.46	52.34
			46							14.13	18.06	22.51	27.53	33.17	39.45	42.15	46.40	50.12
		P	32							9.08	10.02	10.98	11.94	12.89	13.82	14.19	14.72	15.16
			38							9.42	10.46	11.54	12.63	13.72	14.81	15.23	15.87	16.39
			43							9.68	10.80	11.97	13.16	14.38	15.59	16.07	16.79	17.38
			46							9.82	10.99	12.21	13.47	14.75	16.04	16.55	17.32	17.96
W9-4MT-22X	2	Q	32							18.49	23.00	28.03	33.56	39.55	45.94	48.60	52.67	56.13
			38							17.18	21.36	25.99	31.05	36.51	42.32	44.74		
			43							16.12	20.03	24.31	28.97	33.99				
			46							15.50	19.24	23.32	27.75					
		P	32							9.67	10.92	12.27	13.72	15.27	16.92	17.61	18.68	19.61
			38							10.08	11.40	12.84	14.39	16.05	17.81	18.55		
			43							10.42	11.80	13.31	14.93	16.67				
			46							10.64	12.04	13.58	15.25					
Z9-4MT-22X	4	Q	32							19.56	24.61	30.45	37.10	44.59	52.91	56.46	62.04	66.90
			38							18.18	22.88	28.28	34.40	41.28	48.93	52.20	57.33	61.81
			43							17.06	21.47	26.49	32.18	38.55	45.63	48.67	53.43	57.58
			46							16.41	20.64	25.44	30.85	36.92	43.67	46.55	51.09	55.05
		P	32							10.15	11.25	12.38	13.54	14.71	15.88	16.36	17.07	17.67
			38							10.56	11.76	13.00	14.29	15.61	16.95	17.50	18.31	19.00
			43							10.91	12.17	13.50	14.89	16.33	17.80	18.39	19.30	20.05
			46							11.13	12.42	13.79	15.24	16.74	18.29	18.91	19.86	20.66
Z9-4MU-25X	4	Q	32							21.20	26.81	33.27	40.60	48.81	57.88	61.74	67.77	72.99
			38							19.54	24.80	30.81	37.59	45.17	53.54	57.10	62.67	67.50
			43							18.14	23.11	28.74	35.07	42.12	49.91	53.22	58.41	62.91
			46							17.30	22.09	27.49	33.54	40.29	47.72	50.89	55.84	
		P	32							11.27	12.62	13.96	15.33	16.75	18.25	18.88	19.86	20.73
			38							11.66	13.15	14.63	16.14	17.70	19.34	20.03	21.09	22.02
			43							11.93	13.54	15.15	16.78	18.46	20.22	20.95	22.08	23.07
			46							12.07	13.76	15.44	17.14	18.89	20.72	21.48	22.66	
Z9-6MM-30X	4	Q	32							25.32	31.78	39.15	47.43	56.61	66.65	70.90	77.51	83.21
			38							23.37	29.43	36.28	43.94	52.41	61.66	65.58	71.66	76.92
			43							21.72	27.45	33.88	41.03	48.91	57.50	61.14	66.80	
			46							20.71	26.25	32.43	39.27	46.80				
		P	32							13.28	14.92	16.63	18.41	20.23	22.10	22.86	24.02	24.99
			38							13.74	15.54	17.42	19.38	21.41	23.49	24.33	25.62	26.70
			43							14.09	16.01	18.03	20.15	22.34	24.59	25.51	26.89	
			46							14.27	16.27	18.38	20.58	22.87				

Q(kW)= Capacity
P(kW)[2] = Power Input

Operating Conditions 20°C Suction Gas Return

0 °C Suction Gas Return
20 K Suction Superheat

[2] Stated power values are inclusive of fan power
[3] Delivered separately in two main parts

50Hz

Condensing Unit	Number of fans		Amb./ Temp. °C	Evaporating Temperature °C														
				-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5
Z9-4MA-22X	4	Q	32							13.12	16.84	21.27	26.46	32.47	39.35	42.35	47.12	51.35
			38							11.86	15.39	19.56	24.45	30.11	36.58	39.41	43.91	47.89
			43							10.79	14.15	18.11	22.74	28.09	34.22	36.90	41.16	44.95
			46							10.15	13.40	17.22	21.69	26.86	32.78	35.37	39.49	43.15
		P	32							7.40	8.10	8.78	9.43	10.03	10.58	10.79	11.08	11.31
			38							7.55	8.36	9.16	9.94	10.69	11.40	11.67	12.07	12.39
			43							7.63	8.52	9.41	10.30	11.17	12.02	12.34	12.82	13.21
			46							7.65	8.59	9.54	10.50	11.44	12.36	12.72	13.25	13.68
Z9-4MH-25X	4	Q	32							14.83	19.12	24.19	30.10	36.91	44.63	47.98	53.29	57.97
			38							13.41	17.47	22.25	27.81	34.19	41.43	44.58	49.56	53.96
			43							12.20	16.07	20.60	25.86	31.89	38.73	41.70	46.41	50.57
			46							11.46	15.22	19.60	24.68	30.49	37.10	39.96	44.51	48.53
		P	32							8.52	9.36	10.21	11.05	11.86	12.63	12.93	13.37	13.72
			38							8.72	9.67	10.65	11.63	12.60	13.55	13.92	14.46	14.90
			43							8.83	9.87	10.96	12.06	13.15	14.24	14.67	15.30	15.82
			46							8.86	9.96	11.11	12.28	13.46	14.63	15.09	15.78	16.34
Z9-4MI-30X	4	Q	32							16.44	21.03	26.45	32.75	39.98	48.18	51.73	57.35	62.30
			38							14.91	19.25	24.34	30.25	37.03	44.71	48.04	53.32	57.97
			43							13.63	17.76	22.58	28.16	34.55	41.80	44.94	49.93	54.32
			46							12.87	16.86	21.51	26.89	33.05	40.04	43.08	47.89	52.13
		P	32							9.09	10.03	10.98	11.93	12.89	13.83	14.21	14.77	15.25
			38							9.34	10.40	11.48	12.58	13.69	14.80	15.25	15.92	16.48
			43							9.49	10.65	11.85	13.07	14.31	15.56	16.06	16.82	17.45
			46							9.56	10.78	12.04	13.33	14.65	15.98	16.52	17.33	18.01
Z9-4MJ-33X	4	Q	32							18.32	23.34	29.24	36.07	43.89	52.73	56.54	62.57	67.87
			38							16.63	21.38	26.92	33.33	40.66	48.93	52.51	58.16	63.12
			43							15.21	19.73	24.97	31.03	37.94	45.74	49.12	54.45	59.14
			46							14.35	18.73	23.80	29.63	36.29	43.81	47.07	52.21	56.75
		P	32							10.20	11.22	12.25	13.31	14.40	15.53	16.00	16.72	17.35
			38							10.46	11.61	12.79	13.99	15.24	16.53	17.07	17.89	18.60
			43							10.62	11.88	13.17	14.50	15.88	17.31	17.91	18.82	19.60
			48							10.69	12.02	13.38	14.79	16.24	17.76	18.38	19.35	20.17
W99-4MK-35X [3]	4	Q	32							20.51	26.09	32.67	40.29	49.01	58.86	63.11	69.83	75.73
			38							18.68	23.94	30.11	37.24	45.39	54.59	58.56	64.85	70.37
			43							17.15	22.15	27.97	34.68	42.35	51.01	54.76	60.68	65.89
			46							16.24	21.07	26.68	33.14	40.53	48.86	52.47	58.17	63.19
		P	32							11.17	12.43	13.77	15.15	16.56	17.97	18.54	19.39	20.10
			38							11.48	12.83	14.30	15.85	17.46	19.10	19.77	20.78	21.63
			43							11.73	13.13	14.69	16.36	18.12	19.94	20.69	21.82	22.77
			46							11.89	13.30	14.90	16.64	18.48	20.41	21.20	22.40	23.41
W99-6MI-40X [3]	4	Q	32							23.54	30.07	37.72	46.54	56.57	67.80	72.62	80.20	86.83
			38							21.27	27.38	34.52	42.74	52.08	62.56	67.07	74.15	80.36
			43							19.42	25.19	31.90	39.62	48.40	58.24	62.49	69.16	75.01
			46							18.33	23.90	30.35	37.77	46.21	55.68	59.76	66.19	71.83
		P	32							13.48	14.92	16.46	18.10	19.84	21.68	22.45	23.63	24.65
			38							13.94	15.52	17.22	19.03	20.95	22.98	23.83	25.13	26.26
			43							14.28	15.97	17.80	19.75	21.82	24.01	24.92	26.33	27.53
			46							14.47	16.22	18.12	20.16	22.32	24.60	25.55	27.02	28.27

Q(kW)= Capacity
P(kW)[2] = Power Input

Operating Conditions 20°C Suction Gas Return

0 °C Suction Gas Return
20 K Suction Superheat

[2] Stated power values are inclusive of fan power
[3] Delivered separately in two main parts

50Hz

Condensing Unit		Amb./ Temp. °C	Evaporating Temperature °C														
Number of fans			-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
		32						15.62	19.95	24.86	30.43	36.71	43.72	51.49	54.82	60.04	64.60
Z9-4MA-22X	Q	38						14.07	18.18	22.79	27.98	33.80	40.28	47.47	50.54	55.37	59.59
4		43						12.75	16.67	21.02	25.89	31.32	37.36	44.06	46.92	51.42	55.36
		46							15.75	19.94	24.61	29.81	35.59	41.99	44.73	49.04	
		32						9.54	10.67	11.78	12.86	13.91	14.94	15.93	16.32	16.90	17.37
	P	38						9.75	11.06	12.35	13.61	14.85	16.06	17.24	17.70	18.38	18.93
		43						9.81	11.27	12.72	14.15	15.55	16.92	18.25	18.77	19.54	20.17
		46							11.35	12.90	14.43	15.93	17.39	18.82	19.38	20.20	
		32						17.71	22.71	28.38	34.78	41.96	49.95	58.75	62.49	68.35	73.44
Z9-4MH-25X	Q	38						15.94	20.67	25.99	31.95	38.60	45.98	54.11	57.56	62.97	67.68
4		43						14.42	18.94	23.95	29.54	35.75	42.62	50.18	53.40	58.44	
		46							17.88	22.71	28.07	34.01	40.59				
		32						10.83	12.14	13.47	14.79	16.12	17.46	18.80	19.34	20.15	20.84
	P	38						11.06	12.55	14.07	15.59	17.13	18.69	20.25	20.89	21.84	22.64
		43						11.15	12.80	14.48	16.19	17.92	19.66	21.43	22.14	23.22	
		46							12.90	14.69	16.51	18.36	20.22				
		32						19.95	25.31	31.40	38.29	46.01	54.57	63.98	67.97	74.19	79.60
Z9-4MI-30X	Q	38						18.17	23.19	28.85	35.22	42.32	50.20	58.84	62.51	68.25	73.22
4		43							21.39	26.68	32.60	39.19	46.48	54.49	57.89		
		46							20.30	25.37	31.01	37.28	44.22				
		32						11.90	13.37	14.87	16.40	17.96	19.54	21.15	21.79	22.77	23.59
	P	38						12.26	13.91	15.60	17.33	19.08	20.86	22.65	23.37	24.46	25.37
		43							14.25	16.11	18.00	19.92	21.86	23.81	24.60		
		46							14.41	16.36	18.35	20.37	22.41				
		32						21.88	27.79	34.48	42.00	50.36	59.56	69.57	73.79	80.34	85.99
Z9-4MJ-33X	Q	38						19.87	25.41	31.61	38.54	46.21	54.64	63.80	67.66	73.67	78.85
4		43							23.40	29.18	35.60	42.69	50.47				
		46							22.19	27.71	33.83	40.56					
		32						13.15	14.82	16.55	18.35	20.24	22.22	24.30	25.16	26.49	27.63
	P	38						13.50	15.41	17.38	19.41	21.53	23.73	26.02	26.97	28.42	29.66
		43							15.77	17.95	20.20	22.52	24.91				
		46							15.92	18.23	20.61	23.06					
		32						25.25	31.94	39.43	47.75	56.89	66.83	77.49	81.94	88.82	94.69
W99-4MK-35X[3]	Q	38						23.04	29.29	36.21	43.84	52.20	61.25	70.97	75.03		
4		43							27.07	33.51	40.56	48.24					
		46							25.75	31.88	38.58						
		32						14.86	16.90	19.00	21.19	23.50	25.93	28.52	29.60	31.28	32.72
	P	38						15.23	17.51	19.85	22.28	24.80	27.45	30.24	31.40		
		43							17.89	20.44	23.07	25.79					
		46							18.05	20.73	23.49						
		32						28.64	36.20	44.50	53.53	63.25	73.61	84.51	89.01	95.88	
W99-6MI-40X[3]	Q	38						25.89	33.01	40.70	48.98	57.83	67.22				
4		43							30.28	37.47	45.12						
		46								35.50							
		32						17.52	20.04	22.67	25.45	28.40	31.53	34.88	36.29	38.46	
	P	38						17.85	20.68	23.62	26.70	29.93	33.34				
		43							21.04	24.26	27.61						
		46								24.57							

Q(kW)= Capacity
P(kW)[2]= Power Input

Operating Conditions 20°C Suction Gas Return

0 °C Suction Gas Return
20 K Suction Superheat

[2] Stated power values are inclusive of fan power
[3] Delivered separately in two main parts

50Hz

Condensing Unit		Ambient Temp °C	Evaporating Temperature °C													
Number of fans			-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
Z9-4MA-22X	Q	32					16.78	21.58	27.73	34.00	41.05	48.89	57.54	61.21	66.96	
		38					15.14	19.60	24.64	31.25	37.74	44.96	52.91	56.29	61.59	
		43					13.82	17.97	22.64	28.97	34.98	41.67	49.04	52.18		
4		46						17.02	21.45	26.41	33.33	39.69	46.71			
	P	32					10.46	11.65	12.91	14.17	15.44	16.71	17.99	18.50	19.26	
		38					10.86	12.18	13.55	14.99	16.44	17.91	19.38	19.97	20.86	
		43					11.16	12.58	14.07	15.64	17.23	18.85	20.49	21.15		
		46						12.81	14.36	15.98	17.69	19.40	21.13			
Z9-4MH-25X	Q	32					19.34	24.74	31.67	38.68	46.49	55.12	64.54	68.52	74.72	
		38					17.56	22.54	28.16	35.56	42.72	50.62	59.25	62.90		
		43					16.15	20.76	25.93	32.98	39.58	46.86	54.82	58.19		
4		46							24.61	30.05	37.70	44.60				
	P	32					11.96	13.45	14.99	16.54	18.11	19.70	21.33	21.99	22.99	
		38					12.23	13.93	15.66	17.45	19.24	21.06	22.90	23.65		
		43					12.34	14.23	16.14	18.12	20.10	22.11	24.15	24.97		
		46							16.38	18.44	20.58	22.71				
Z9-4MI-30X	Q	32					21.45	27.22	34.60	42.00	50.18	59.13	68.82	72.89	79.19	
		38					19.65	24.95	30.87	38.69	46.13	54.27	63.08	66.79		
		43						23.14	28.55	34.54	42.78	50.24				
4		46								32.81	40.78					
	P	32					13.16	14.69	16.37	18.14	19.99	21.91	23.90	24.71	25.95	
		38					13.89	15.48	17.25	19.20	21.23	23.36	25.57	26.47		
		43						16.18	18.02	20.03	22.25	24.53				
		46								20.56	22.86					
Z9-4MJ-33X	Q	32					23.82	30.02	38.01	45.90	54.56	63.97	74.07	78.29		
		38					21.73	27.48	33.84	42.27	50.15	58.68	67.83	71.65		
		43						25.37	31.23	37.62	46.49	54.30				
4		46														
	P	32					14.83	16.54	18.49	20.59	22.84	25.20	27.68	28.69		
		38					15.64	17.41	19.43	21.73	24.16	26.74	29.45	30.56		
		43						18.14	20.23	22.57	25.20	27.94				
		46									25.70					
W99-4MK-35X [3]	Q	32					26.39	33.01	41.70	50.13	59.33	69.23	79.76	84.13		
		38					24.41	30.44	37.13	46.21	54.50	63.42	72.89			
		43							34.48	41.11	50.57					
4		46														
	P	32					16.79	18.78	21.11	23.66	26.45	29.47	32.71	34.07		
		38					17.68	19.73	22.13	24.91	27.91	31.18	34.69			
		43							23.03	25.85	29.10					
		46														
W99-6MI-40X [3]	Q	32					30.96	38.99	47.75	58.98	69.34	80.23	91.55			
		38					27.96	35.43	43.44	51.97	63.46					
		43														
4		46														
	P	32					19.80	22.58	25.56	28.86	32.35	36.13	40.21			
		38					20.39	23.43	26.70	30.19	34.12					
		43														
		46														

Q(kW)= Capacity
P(kW)[2] = Power Input

Operating Conditions 20°C Suction Gas Return

0 °C Suction Gas Return
20 K Suction Superheat

[2] Stated power values are inclusive of fan power
[3] Delivered separately in two main parts

50Hz

Condensing Unit	Number of fans		Amb./ Temp. °C	Evaporating Temperature °C															
				-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
V6-4MF-13X DC	2	Q	32		4.77	6.69	9.00	11.72	14.86	18.41								
			38		4.15	5.97	8.15	10.69	13.63	16.94								
			43		3.59	5.31	7.36	9.75	12.50	15.61								
			46			4.88	6.85	9.14	11.78	14.77								
		P	32		4.96	6.01	7.12	8.29	9.52	10.84								
			38		4.83	5.99	7.22	8.50	9.84	11.26								
			43		4.63	5.89	7.20	8.58	10.01	11.51								
			46			5.79	7.16	8.58	10.07	11.61								
Z9-4MA-22X	4	Q	32						17.90	22.57	27.88	33.89	40.63	48.15	56.46	60.00	65.55	70.39
			38							20.71	25.75	31.40	37.73	44.77	52.53	55.85	61.04	65.56
			43							19.14	23.95	29.31	35.29	41.92	49.24	52.36	57.25	61.52
			46								22.86	28.05	33.82	40.21	47.25	50.26	54.97	
		P	32						10.03	11.09	12.16	13.23	14.30	15.34	16.37	16.77	17.38	17.87
			38							11.65	12.85	14.06	15.26	16.45	17.63	18.10	18.79	19.36
			43							12.08	13.38	14.69	16.01	17.32	18.62	19.13	19.90	20.53
			46								13.67	15.04	16.43	17.81	19.18	19.72	20.53	
V6-4ML-15X DC	2	Q	32		6.54	8.96	11.83	15.07	18.61	22.35								
			38		5.84	8.13	10.86	13.96	17.33	20.90								
			43		5.21	7.39	10.00	12.97	16.20	19.62								
			46			6.91	9.45	12.34										
		P	32		6.65	7.89	9.25	10.70	12.19	13.71								
			38		6.75	8.06	9.51	11.06	12.66	14.28								
			43		6.76	8.15	9.67	11.30	12.99	14.70								
			46			8.17	9.74	11.42										
Z9-4MH-25X	4	Q	32						20.85	26.03	31.89	38.48	45.84	54.00	62.96	66.76	72.70	77.86
			38							24.03	29.57	35.77	42.66	50.28	58.63	62.18	67.72	72.54
			43								27.63	33.50	40.00	47.16	55.01	58.34	63.55	68.08
			46								26.47	32.13	38.39	45.28	52.83			
		P	32						11.85	13.12	14.42	15.75	17.09	18.44	19.81	20.35	21.18	21.87
			38							13.82	15.26	16.72	18.21	19.72	21.23	21.84	22.76	23.52
			43								15.91	17.48	19.09	20.71	22.35	23.01	24.00	24.83
			46								16.28	17.92	19.59	21.29	23.00			
W9-MM-20X DC	2	Q	32		7.59	10.10	12.99	16.28	20.01	24.18								
			38		6.69	9.09	11.85	14.98	18.52	22.47								
			43		5.89	8.22	10.86	13.86	17.24									
			46			7.67	10.25	13.17										
		P	32		7.44	8.68	10.01	11.45	13.03	14.77								
			38		7.47	8.82	10.26	11.82	13.52	15.40								
			43		7.43	8.87	10.41	12.08	13.89									
			46			8.87	10.48	12.21										
Z9-4MI-30X	4	Q	32						22.82	28.18	34.20	40.94	48.42	56.65	65.63	69.42	75.32	80.43
			38							26.03	31.70	37.99	44.94	52.57	60.87	64.38	69.85	74.58
			43								29.59	35.51	42.02	49.15	56.90	60.17	65.27	
			46									34.02	40.26	47.09				
		P	32						13.06	14.50	16.00	17.55	19.15	20.78	22.45	23.13	24.16	25.02
			38							15.28	16.90	18.57	20.30	22.06	23.87	24.60	25.71	26.64
			43								17.60	19.36	21.19	23.06	24.97	25.74	26.91	
			46									19.82	21.70	23.62				

Q(kW) = Capacity
P(kW)[2)]= Power Input

[2)] Stated power values are incl. of fan power
DC = Demand Cooling

Operating Conditions 20°C Suction Gas Return

50Hz

Condensing Unit	Number of fans		Amb./ Temp. °C	Evaporating Temperature °C															
				-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
W9-4MT-22X DC	2	Q	32		8.43	11.20	14.38	17.99	22.06	26.58								
			38		7.42	10.08	13.11	16.54	20.40	24.69								
			43			9.10	12.01	15.30	18.99									
			46			8.49	11.33	14.53										
		P	32		8.25	9.65	11.17	12.82	14.63	16.66								
			38		8.28	9.79	11.43	13.21	15.17	17.34								
			43			9.85	11.59	13.49	15.56									
			46			9.85	11.66	13.63										
Z9-4MU-25X DC	4	Q	32		9.89	13.19	17.03	21.46	26.53	32.26								
			38		8.73	11.90	15.56	19.78	24.59	30.03								
			43		7.70	10.77	14.29	18.32	22.92	28.13								
			46			10.06	13.50	17.43	21.91	26.97								
		P	32		10.02	11.55	13.16	14.88	16.73	18.74								
			38		10.08	11.75	13.52	15.41	17.43	19.63								
			43		10.04	11.84	13.75	15.78	17.95	20.30								
			46			11.86	13.85	15.97	18.24	20.68								
Z9-6MM-30X DC	4	Q	32		10.14	13.92	18.37	23.39	28.86	34.65								
			38		9.02	12.60	16.82	21.59	26.78	32.28								
			43		8.05	11.45	15.49	20.05	25.01	30.26								
			46			10.75	14.67	19.10	23.92									
		P	32		10.98	12.95	15.02	17.15	19.28	21.33								
			38		11.04	13.24	15.55	17.91	20.28	22.58								
			43		10.99	13.38	15.88	18.44	21.01	23.51								
			46			13.41	16.03	18.71	21.40									
Z9-4MJ-33X	4	Q	32						25.29	31.18	37.78	45.12	53.22	62.08	71.68	75.72	81.98	87.38
			38							28.78	34.99	41.84	49.35	57.55	66.42	70.15	75.94	80.93
			43								32.64	39.08	46.11	53.76	62.02			
			46									37.42	44.16	51.48				
		P	32						14.56	16.21	17.95	19.76	21.63	23.56	25.55	26.36	27.59	28.64
			38							17.07	18.93	20.87	22.88	24.95	27.07	27.94	29.25	30.36
			43								19.70	21.74	23.85	26.02	28.26			
			46									22.23	24.40	26.63				
W99-4MK-35X [3]	4	Q	32						35.21	42.63	50.89	59.97	69.88	80.60	85.10	92.08	98.09	
			38						32.49	39.47	47.16	55.59	64.76	74.66	78.82	85.26	90.81	
			43							36.82	44.05	51.93	60.48	69.70				
			46							34.44	42.17	49.72						
		P	32						18.22	20.21	22.28	24.43	26.66	28.96	29.89	31.32	32.53	
			38						19.19	21.32	23.54	25.84	28.21	30.66	31.66	33.17	34.45	
			43							22.18	24.51	26.93	29.42	31.98				
			46							22.65	25.06	27.54						
W99-6MI-40X [3]	4	Q	32						41.32	50.32	60.23	71.04	82.73	95.23	100.45	108.49	115.37	
			38						37.05	46.43	55.70	65.76	76.61	88.19				
			43							42.27	51.91	61.35						
			46							40.22	48.88							
		P	32						22.15	24.66	27.29	30.05	32.91	35.89	37.12	38.99	40.57	
			38						23.22	25.95	28.78	31.73	34.79	37.96				
			43							26.92	29.93	33.03						
			46							27.49	30.55							

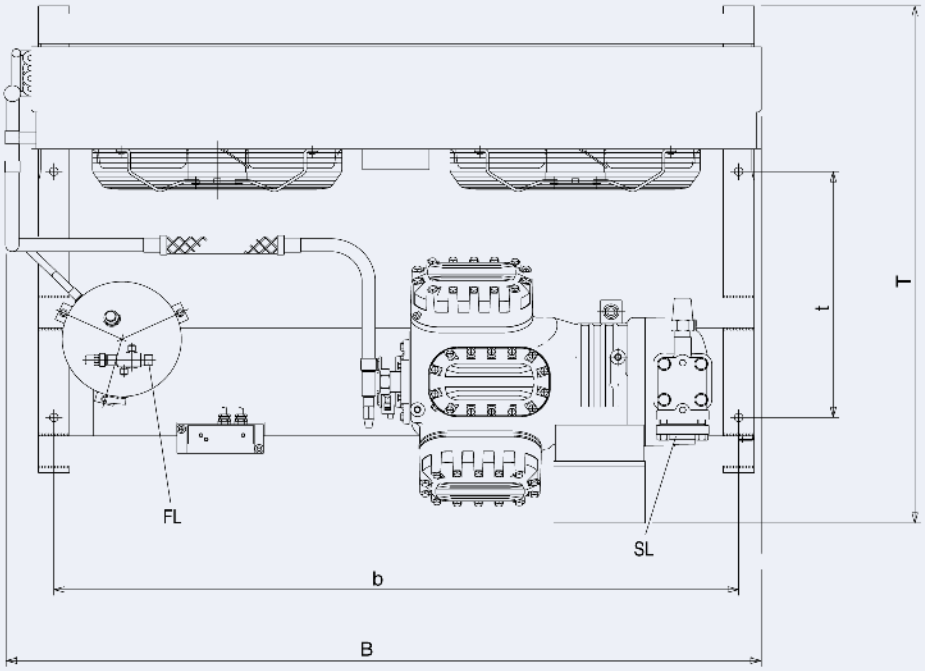
Q(kW) = Capacity
P(kW)[2]= Power Input

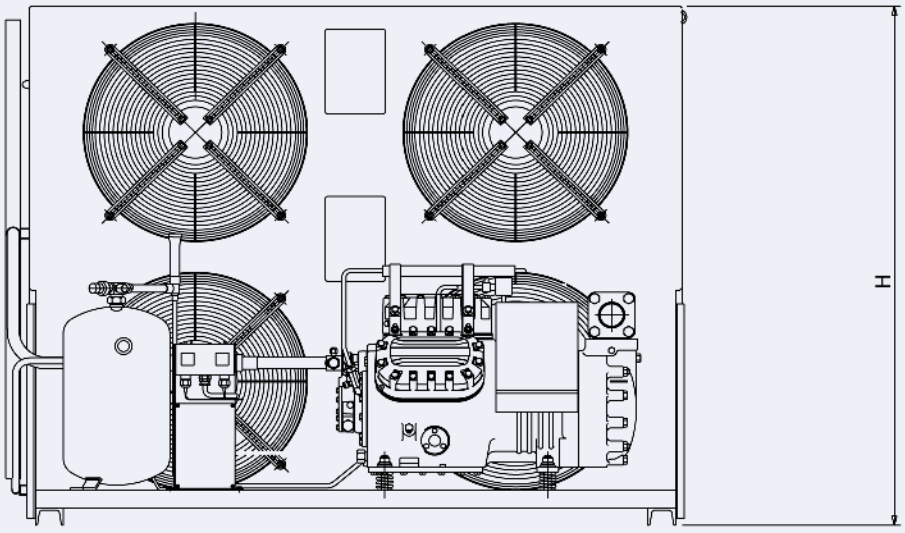
Operating Conditions 20°C Suction Gas Return

20 K Suction Superheat

[2] Stated power values are incl. of fan power
[3] Delivered separately in two main parts
DC = Demand Cooling

Condenser Z with 4M, 6M compressor

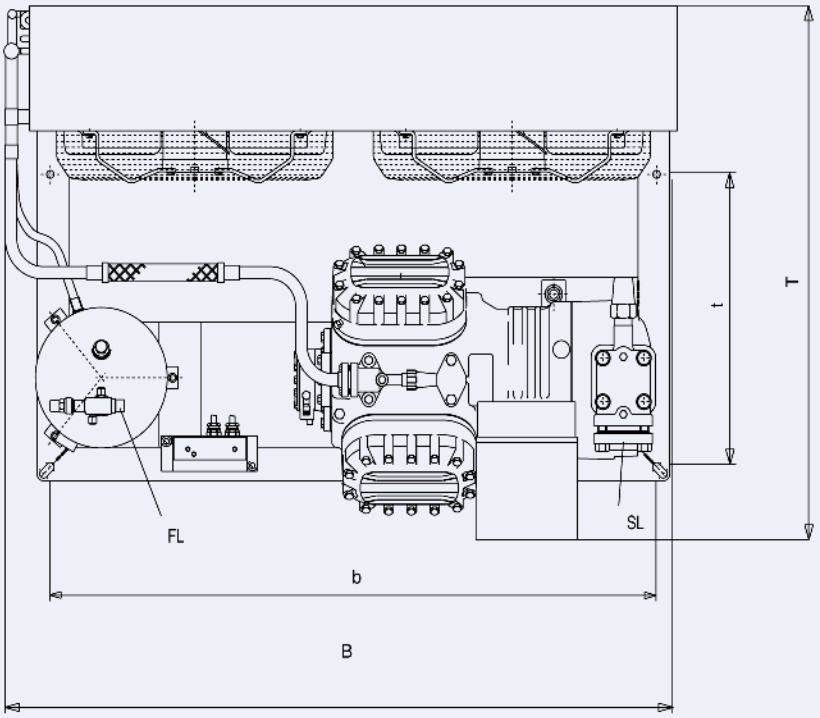


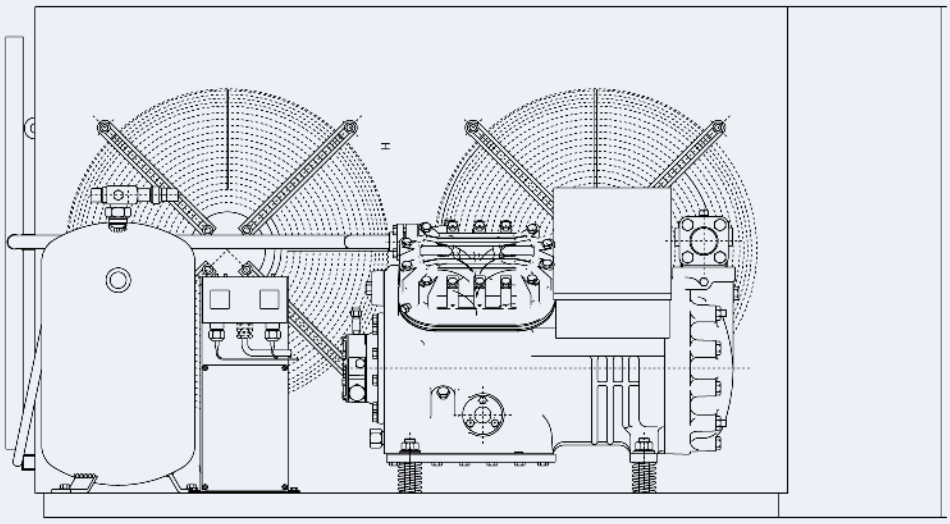


H: Height
B: Width
T: Depth
b,t: Dimensions (holes)
SL: Suction line
FL: Liquid line

Please refer to data tables on page 18 for concrete dimensions

Condenser V, W with 4M, 6M compressor

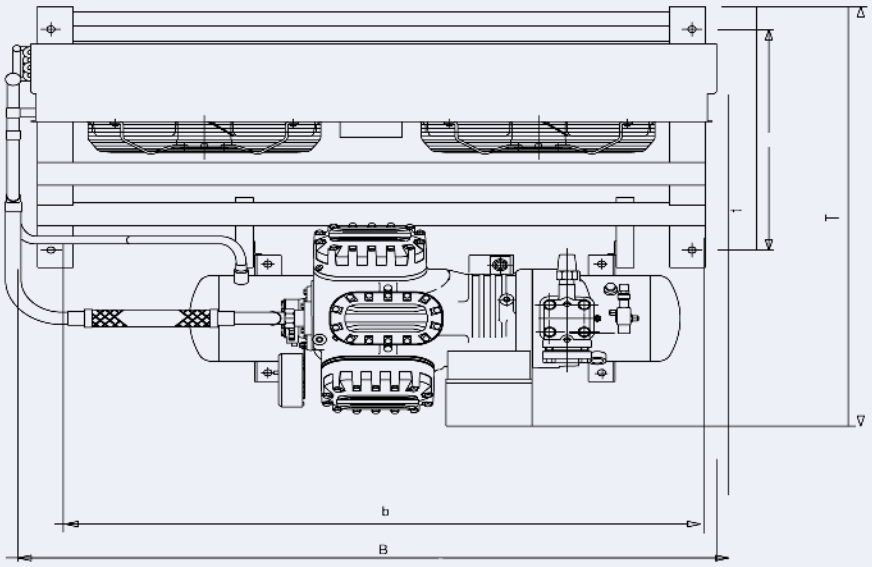


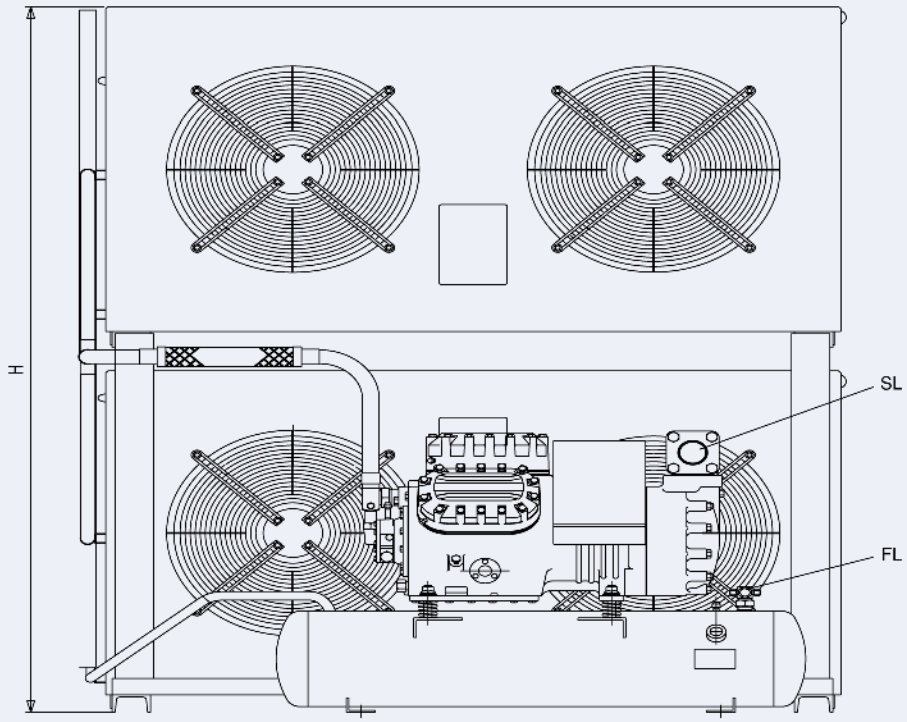


H: Height
B: Width
T: Depth
b,t: Dimensions (holes)
SL: Suction line
FL: Liquid line

Please refer to data tables on page 18 for concrete dimensions

Condenser W99 with 6M compressor





H: Height
B: Width
T: Depth
b,t: Dimensions (holes)
SL: Suction line
FL: Liquid line

Please refer to data tables on page 18 for concrete dimensions

Stream

Condensing Unit	Receiver Capacity 6) Standard / Option l	Depth/Width **T/B** mm	Height **H** mm	Dimensions (holes) b x t mm (Ø")	Suction Diameter **SL** Ø" (inch)	Liquid Line **LL** Ø" (inch)	Air Flow m³/sec.	Gross Weight kg
V6-4MF-13X	18.9	955/1289	835	1146 x 520 (14)	1 5/8	7/8	2.97	375
V6-4MF-13X DC	18.9	955/1289	835	1146 x 520 (14)	1 5/8	7/8	2.97	375
V6-4ML-15X	18.9	955/1289	835	1146 x 520 (14)	1 5/8	7/8	2.97	383
V6-4ML-15X DC	18.9	955/1289	835	1146 x 520 (14)	1 5/8	7/8	2.97	383
W9-4MM-20X	18.9	1107/1600	875	1435 x 535 (18)	2 1/8	7/8	3.33	472
W9-4MM-20X DC	18.9	1107/1600	875	1435 x 535 (18)	2 1/8	7/8	3.33	472
W9-4MT-22X	18.9	1107/1600	875	1435 x 535 (18)	2 1/8	7/8	3.33	472
W9-4MT-22X DC	18.9	1107/1600	875	1435 x 535 (18)	2 1/8	7/8	3.33	472
Z9-4MA-22X	18.9	1107/1600	1263	1435 x 535 (18)	1 5/8	7/8	5.41	548
Z9-4MH-25X	18.9	1107/1600	1263	1435 x 535 (18)	2 1/8	7/8	5.41	554
Z9-4MI-30X	18.9	1107/1600	1263	1435 x 535 (18)	2 1/8	7/8	5.41	581
Z9-4MJ-33X	18.9	1107/1600	1263	1435 x 535 (18)	2 1/8	7/8	5.41	581
Z9-4ML-15X	18.9	1107/1600	1252	1435x515 (18)	1 5/8	7/8	5.41	551
Z9-4MM-20X	18.9	1107/1600	1252	1435x515 (18)	2 1/8	7/8	5.41	553
Z9-4MT-22X	18.9	1107/1600	1252	1435x515 (18)	2 1/8	7/8	5.41	554
Z9-4MU-25X	18.9	1107/1600	1263	1435 x 535 (18)	2 1/8	7/8	5.41	557
Z9-4MU-25X DC	18.9	1107/1600	1263	1435 x 535 (18)	2 1/8	7/8	5.41	557
Z9-6MM-30X	18.9	1130/1600	1263	1435x515 (18)	2 1/8	7/8	5.41	575
Z9-6MM-30X DC	18.9	1130/1600	1263	1435x515 (18)	2 1/8	7/8	5.41	575
W99-4MK-35X	47.9	1189/1600	1803	1440 x 630 (18)	2 1/8	7/8	7.25	711
W99-6MI-40X	47.9	1213/1600	1803	1440 x 630 (18)	2 1/8	7/8	7.25	728

[b] Pump down in "kg" as well, for less than 95% of receiver volume at 50°C ambient temperature

Stream

Condensing Unit	Maximum Operating Current (compressor) AWM A	Locked Rotor Current (compressor) AWM A	Fan Model	Condenser Fan Current Each 230V/ 1~/ 50Hz A
V6-4MF-13X	30.8	105	2 X 611	2.48
V6-4MF-13X DC	30.8	105	2 X 611	2.48
V6-4ML-15X	35.4	156	2 X 611	2.48
V6-4ML-15X DC	35.4	156	2 X 611	2.48
W9-4MM-20X	39.0	175	2 X 611	2.48
W9-4MM-20X DC	39.0	175	2 X 611	2.48
W9-4MT-22X	44.5	175	2 X 611	2.48
W9-4MT-22X DC	44.5	175	2 X 611	2.48
Z9-4MA-22X	36.3	175	4 X 611	2.48
Z9-4MH-25X	41.6	199	4 X 611	2.48
Z9-4MI-30X	46.6	221	4 X 611	2.48
Z9-4MJ-33X	52.9	221	4 X 611	2.48
Z9-4ML-15X	35.4	156	4 X 611	2.48
Z9-4MM-20X	39.0	175	4 X 611	2.48
Z9-4MT-22X	44.5	175	4 X 611	2.48
Z9-4MU-25X	51.9	199	4 X 611	2.48
Z9-4MU-25X DC	51.9	199	4 X 611	2.48
Z9-6MM-30X	59.7	255	4 X 611	2.48
Z9-6MM-30X DC	59.7	255	4 X 611	2.48
W99-4MK-35X	61.1	255	4 X 611	2.48
W99-6MI-40X	71.4	304	4 X 611	2.48

CONTACT US

SALES OFFICES:

Gurgaon
Emerson Climate Technologies (India) Ltd.
8th Floor, Towers B&C,
DLF Cyber Terraces, DLF Building No . 5,
DLF Cyber City, Phase –III
Gurgaon-122002
Tel: (91-124) 4894 500

Mumbai
Emerson Climate Technologies (India) Ltd.
Delphi B-Wing, 601-602,
6th Floor, Central Avenue,
Hiranandani Business Park, Powai
Mumbai- 400076
Tel: (91-22) 6662 0566

Secunderabad
Emerson Climate Technologies (India) Ltd
2nd Floor, Survey No. 240, 242, 243,
Chinna Thokata, New Bowenpally,
Secunderabad-500011
Tel: (91-40) 3315 4018

WAREHOUSES:

Ahmedabad
Emerson Climate Technologies (India) Ltd.
54, Shivam Estate, S. G. Highway, Sarkhej,
Ahmedabad-382 210
Tel: (91-79) 69431993

Bangalore
Emerson Climate technologies (India) Limited
C/o Agility Logistics Pvt. Ltd
Shed No. 8 Survey No31,
18KM old madras Road,
Virgonagar, Bangalore-560049
Tel: (91-80) 3221 0509/501

Chandigarh
Emerson Climate Technologies (India) Ltd.
177, Industrial Area, Phase - II,
Chandigarh-160002
Tel: (91-172) 2653987

Chennai
Emerson Climate Technology (India) Ltd,
C/o. Agility Logistics Pvt Ltd,
Kanishk Warehouse, Sr. No. 204,
Vijayanallur Village Road, Nallur Village,
Cholovaram Po, Ponneri Tk, Chennai-600067.
Tel: (91-44) 4325 7796

Faridabad
Emerson Climate Technologies (India) Ltd.
3B-3B.P., NIT
Faridabad-120 001
Tel : (91-129) 2431037

Kolkata
Emerson Climate Technologies (India) Ltd.
35/7, Tollygunje Circular Road
P.S.New Alipore
Kolkata-700 053
Tel: (91-33) 2400 2779/2400 2781

Lucknow
Emerson Climate Technologies (India) Ltd.
A-5, Sector-B, Aliganj, Near CMS School,
Lucknow-226 024
Tel: (91-522) 2337812

Mumbai
Emerson Climate Technologies (India) Ltd.
Unit No. 59, Ground Floor, 'AA' Wing,
Building No.1, at Kailas Industrial complex,
CTS No. 1/7 & 1/11, Veer Savarkar Marg,
Near Hiranandani Park,
Vikhroli (West), Mumbai-400 079
Tel: (91-22) 4270 8001

New Delhi
Emerson Climate Technologies (India) Ltd.
56, Rama Road Industrial Area
Nr. Mahindra Showroom
New Delhi-110 015
Tel: (91-11) 45751000

Secunderabad
Emerson Climate Technologies India Limited,
C/o: Agility Logistics Pvt. Ltd, # 8-122, Devaryamjal Road,
Kompally, Shameerpet Mandal, Ranga Reddy Dist.,
Secunderabad-500014,
Tel: (91) 9247000174/9000649871

REGISTERED HEAD OFFICE
Emerson Climate Technologies (India) Limited
Plot No. 23, Rajiv Gandhi Infotech Park, Phase - II, Hinjewadi, Pune-411 057
Tel: (91-20) 4200 2000, Fax: (91-20) 4200 2099

PLANT
Atit Pali Road, Atit - 415 519, Maharashtra Tel: (91-2162) 224200,
Fax: (91-2162) 262069

COLD CHAIN & DISTRIBUTION CENTER
Emerson Climate Technologies (India) Limited Plot No. G-8/3, Block M.I.D.C.
Chakan Industrial Area, Phase - III, Taluka : Khed. Dist : Pune-410 501
Tel: (91- 2135) 653550

HELP DESK:
1800-209-1700
Write to us : ClimateIndia@Emerson.com

For more details, see www.emersonclimate.com

ASIA 10 – B 02 03 - R00 – Issued 02/2014

EMERSON
Climate Technologies