

Packaged Refrigeration Unit

Wall-Mounted Compact Series



Expansion system

Equipped Danfoss electric expansion valve, fully balanced, precise liquid injection in evaporators for safe and reliable operation.



Defrost

Defrosting by hot gas, equipped Sanhua solenoid valve for liquid line shut-off, reducing defrosting time and power consumption.



Compressor

Equipped HIGHLY rotary compressor for high energy efficiency and reliability with a light weight structure.

* Embraco, Danfoss compressor are available by demand.



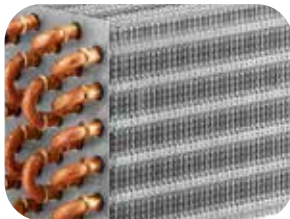
Fan motor

Axial fan motors for condenser and evaporator, optimizing energy consumption and noise performance.



Condenser

Micro-channel condenser is energy efficient and reduction of the refrigerant charge. Its lightweight but also galvanic anti-corrosion.



Evaporator

Copper tube, aluminum fin coils offer superior heat transfer and corrosion resistance.

Proper fin spacing to manage condensation and prevent airflow blocking

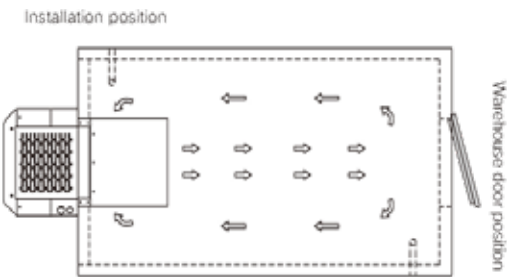
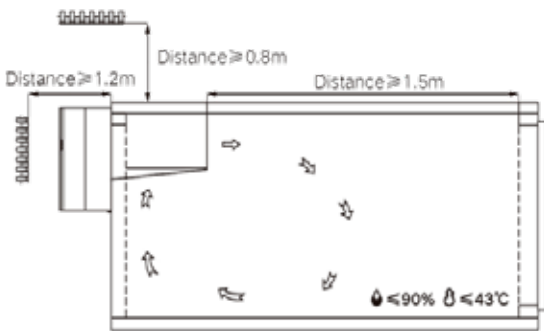


Electrical panel

Integrated digital display and all the protection and electronic control elements.

Therminal block for connecting the elements. All electrical elements use connectors for easy replacement.

Installation Scheme



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Constant temperature series | Application -5°C / +5°C | Ambient +35°C | Cold room panel 100mm

Model	Power supply	Nominal cooling capacity, W	Rated power kW	Rated current A	Recommend cold room volume m³	Defrost	Compressor	Refrigerant	Unit series	Net weight kg
MONO-HA00833	220/1/50	1180	0.9	4.3	6 – 9	Hot gas	HIGHLY - rotary ⁽¹⁾	R404A	Series1	52
MONO-HA01033		1550	1.1	4.9	8 – 14				Series1	53
MONO-HA01533		2160	1.4	6.8	13 – 26				Series2	75
MONO-HA02033		2740	1.8	9.9	23 – 31				Series2	80
MONO-HA02533		3920	2.4	8.8	28 – 52				Series3	85
MONO-HA03033		4785	2.9	13.9	30 – 60				Series4	125
MONO-HA03533	380/3/50	5560	3.4	12.0	52 – 87				Series4	126
MONO-HA03553		5360	3.2	6.5	52 – 87				Series4	127
MONO-HA04053		6135	3.6	7.8	65 – 120				Series4	129

(1) Embraco, Danfoss compressor are available by demand.

Constant temperature series | Application -20°C / -10°C | Ambient +35°C | Cold room panel 100mm

Model	Power supply	Nominal cooling capacity, W	Rated power kW	Rated current A	Recommend cold room volume m³	Defrost	Compressor	Refrigerant	Unit series	Net weight kg
MONO-MA01033	220/1/50	1240	1.1	6.6	4 – 9	Hot gas	HIGHLY – rotary ⁽¹⁾	R404A	Series1	48
MONO-MA01233		1421	1.1	7.3	6 – 12				Series1	56
MONO-MA01533		1600	1.5	9.9	7 – 14				Series2	80
MONO-MA02033		2240	1.9	7.7	11 – 23				Series2	81
MONO-MA02533		2785	2.2	11.8	16 – 30				Series3	89
MONO-MA03033		3305	2.7	10.9	17 – 38				Series3	91
MONO-MA03053	380/3/50	3050	2.5	5.9	16 – 36				Series3	92
MONO-MA04053		3680	2.8	7.9	20 – 48				Series4	129
MONO-MA05053		6250	4.4	9.6	52 – 95				Series4	143

(1) Embraco, Danfoss compressor are available by demand.

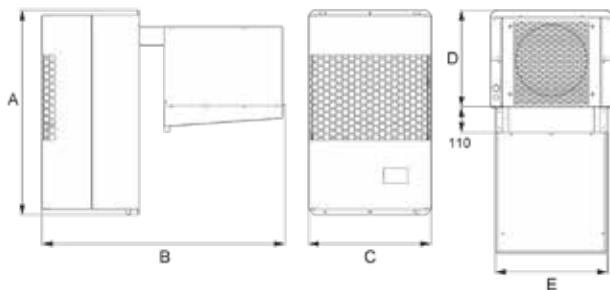
Variable temperature series | Application -25°C / +5°C | Ambient +35°C | Cold room panel 100mm

Model	Power supply	Nominal cooling capacity, W	Rated power kW	Rated current A	Recommend cold room volume m³	Defrost	Compressor	Refrigerant	Unit series	Net weight kg
MONO-BA01533	220/1/50	1600 – 2740	1.8	9.9	7 – 30	Hot gas	HIGHLY – rotary	R404A	Series2	82
MONO-BA02033		2300 – 3920	2.4	8.8	11 – 52				Series3	82
MONO-BA03033		2785 – 4785	2.9	12	16 – 87				Series4	91
MONO-BA03033		3305 – 5560	3.4	6.5	17 – 87				Series4	92
MONO-BA04053	380/3/50	3680 – 6135	3.6	9.6	20 – 120				Series4	131

DC Inverter Variable temperature series | Application -25°C / +5°C | Ambient +35°C | Cold room panel 100mm

Model	Rotational speed rpm	Nominal cooling capacity, W	Rated power kW	Rated current A	Recommend cold room volume m³	Defrost	Compressor	Refrigerant	Unit series	Net weight kg
MONO-VA01081	1000 – 7200	1270 – 2130	1.3	5.6	4 – 26	Hot gas	DC inverter HIGHLY – rotary	R404A	Series2	54
MONO-VA01582	900 – 7200	2155 – 3660	2.1	8.5	7 – 30				Series3	84
MONO-VA02082	900 – 7200	3120 – 5290	2.9	12.4	11 – 52				Series3	83
MONO-VA03082	900 – 6600	3770 – 6390	3.4	14.1	17 – 120				Series4	94
MONO-VA04082	900 – 6600	4730 – 8130	4.3	12.2	20 – 130				Series4	134

Dimensions



Dimensions mm	A	B	C	D	E
Series1	769	825	450	315	363
Series2	845	1054	530	421	488
Series3	845	1045	620	421	579
Series4	970	1200	800	513	759