

Packaged Refrigeration Unit

Wall-Mounted Slim 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.



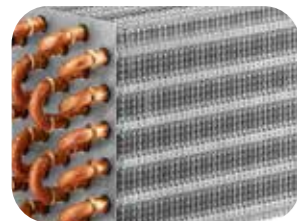
Fan motor

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

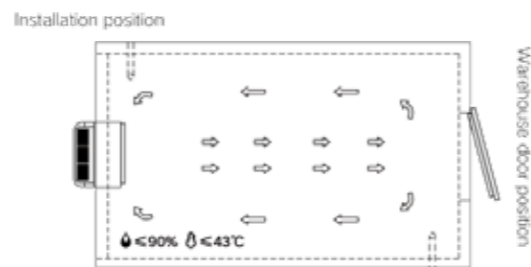
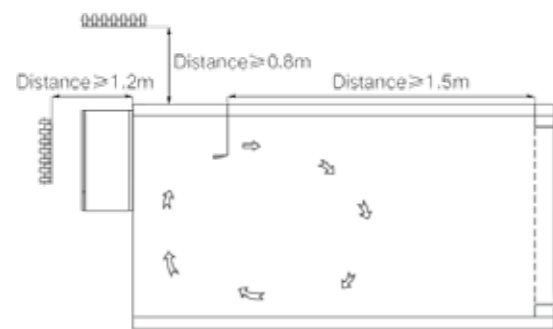


Electrical panel

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

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

Installation Scheme



Packaged Refrigeration Unit

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Constant temperature series | Application $-5^{\circ}\text{C} / +5^{\circ}\text{C}$ | Ambient $+35^{\circ}\text{C}$ | Cold room panel 100mm

Model	Power supply	Nominal cooling capacity, W	Rated power kW	Rated current A	Recommend cold room volume m^3	Defrost	Compressor	Refrigerant	Unit series	Net weight kg
MONO-HA02032	220/1/50	3301	2.0	10.7	25 - 40	Hot gas	HIGHLY - rotary ⁽¹⁾	R404A	Series1	91
MONO-HA02052	380/3/50	3163	2.0	4.2	25 - 40		Danfoss - scroll		Series1	106
MONO-HA02532	220/1/50	4341	2.4	12.9	28 - 56		HIGHLY - rotary ⁽¹⁾		Series1	92
MONO-HA02552	380/3/50	4264	2.4	5.1	28 - 56		Danfoss - scroll		Series1	106
MONO-HA03032	220/1/50	4659	2.8	13.9	30 - 60		HIGHLY - rotary ⁽¹⁾		Series2	154
MONO-HA03052	380/3/50	4523	2.8	5.8	30 - 60		Danfoss - scroll		Series2	164
MONO-HA03532	220/1/50	5566	3.0	12.6	56 - 95		HIGHLY - rotary ⁽¹⁾		Series2	155
MONO-HA03552	380/3/50	5554	3.4	6.3	56 - 95		Danfoss - scroll		Series2	164
MONO-HA04032	220/1/50	6786	4.0	20.3	77 - 105		Danfoss - scroll		Series3	222
MONO-HA04052	380/3/50	6770	4.1	7.7	77 - 105		HIGHLY - rotary ⁽¹⁾		Series3	206
MONO-HA05032	220/1/50	8078	4.1	20.3	80 - 128		Danfoss - scroll		Series3	225
MONO-HA05052	380/3/50	8092	4.6	7.7	80 - 128		HIGHLY - rotary ⁽¹⁾		Series3	212

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

Constant temperature series | Application $-20^{\circ}\text{C} / -10^{\circ}\text{C}$ | Ambient $+35^{\circ}\text{C}$ | Cold room panel 100mm

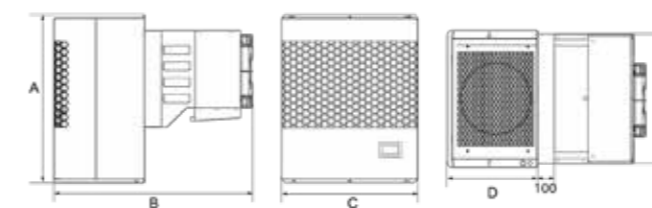
Model	Power supply	Nominal cooling capacity, W	Rated power kW	Rated current A	Recommend cold room volume m^3	Defrost	Compressor	Refrigerant	Unit series	Net weight kg
MONO-MA02032	220/1/50	1720	1.9	10.0	12 - 19	Hot gas	HIGHLY - rotary ⁽¹⁾	R404A	Series1	102
MONO-MA02052	380/3/50	1450	2.1	4.4	12 - 19		Danfoss - scroll		Series1	116
MONO-MA02532	220/1/50	2215	2.4	12.8	17 - 28		HIGHLY - rotary ⁽¹⁾		Series1	106
MONO-MA02552	380/3/50	2162	2.3	4.9	17 - 28		Danfoss - scroll		Series1	116
MONO-MA03032	220/1/50	2235	2.9	13.6	22 - 30		HIGHLY - rotary ⁽¹⁾		Series2	170
MONO-MA03052	380/3/50	2301	2.7	5.7	22 - 30		Danfoss - scroll		Series2	180
MONO-MA03532	380/3/50	2850	3.4	14.8	18 - 40		Danfoss - scroll		Series2	180
MONO-MA03552	380/3/50	2846	3.4	6.3	18 - 40		Danfoss - scroll		Series2	180
MONO-MA05032	220/1/50	3409	4.1	20.2	22 - 46		Danfoss - scroll		Series3	231
MONO-MA04052	380/3/50	3407	4.1	7.7	22 - 46		HIGHLY - rotary ⁽¹⁾		Series3	215
MONO-MA05032	220/1/50	4140	4.9	22.4	40 - 80		Danfoss - scroll		Series3	231
MONO-MA05052	380/3/50	4130	4.6	8.4	40 - 80		HIGHLY - rotary ⁽¹⁾		Series3	219
MONO-MA06052	380/3/50	4857	5.6	10.6	50 - 100		Danfoss - scroll		Series3	231

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

Constant temperature series | Application $-32^{\circ}\text{C} / -20^{\circ}\text{C}$ | Ambient $+35^{\circ}\text{C}$ | Cold room panel 100mm
Equipped with brazed plate heat exchanger

Model	Power supply	Nominal cooling capacity, W	Rated power kW	Rated current A	Recommend cold room volume m^3	Defrost	Compressor	Refrigerant	Unit series	Net weight kg
MONO-LA04051	380/3/50	3894	3.7	7.0	12 - 30	Hot gas	Danfoss - scroll	R404A	Series2	183
MONO-LA05051	380/3/50	4676	4.3	8.3	16 - 36				Series2	183
MONO-LA06051	380/3/50	5569	5.1	10.5	20 - 42				Series3	234
MONO-LA08051	380/3/50	6995	6.1	12.6	25 - 60				Series3	234

Dimensions



Dimensions mm	A	B	C	D	E
Series1	884	1030	530	420	489
Series2	840	1032	620	421	579
Series3	981	1167	800	531	756.5