

High efficiency, energy saving and low noise

Danfoss All-in-one condensing unit

Adopt Danfoss core parts, strictly control product design and production process, and pass Danfoss audit standards

The unit range is 2-15HP, which can meet the different temperature requirements of commercial refrigeration and cold storage.



ENGINEERING
TOMORROW

Danfoss



R404A medium and high temperature All-in-one condensing unit parameters table

Unit horsepower		2HP	3HP	3.5HP	4HP	5HP	
CONDENSING UNIT	Power supply		380V/3/50Hz~220V/1/50Hz		380V/3/50Hz		
	Evaporation temp range		-15℃~-+10℃				
	Model		BF-CUB0200MY(S)	BF-CUB0300MY(S)	BF-CUB0350MY	BF-CUB0400MY	BF-CUB0500MY
	Nominal condition performance	Capacity	3.64KW	5.18KW	6.5KW	7.75KW	9.3KW
		COP	≥2.1	≥2.1	≥2.1	≥2.1	≥2.3
	Compressor	Type	Danfoss scroll compressor				
		Model	MLZ015T4/T5	MLZ021T4/T5	MLZ026T4/T5	MLZ030T4	MLZ038T4
		Locked rotor Amps (LRA)	30/60 (220V)	45/97 (220V)	45	60	70
		Maximum operating current (MOC)	4.9/13.8 (220V)	6.8/19.5 (220V)	8.3	9.8	11.7
	Fan motor	Quantity	1x480mm	1x480mm	1x480mm	1x480mm	2x480mm
		Total power	60W	60W	60W	60W	60Wx2
		Power supply	220V/1/50Hz				
	Connecting pipe diameter	Suction	5/8 "	5/8 "	5/8 "	3/4 "	3/4 "
Liquid		3/8 "	3/8 "	3/8 "	3/8 "	1/2 "	
Overall drawing	NO.	A1				A2	
Net weight		76kg	82.5kg	86kg	95kg	118kg	
Nominal condition: Evaporation temp -8℃, ambient temp32℃, Return superheat 11K,have super cooling							

Unit horsepower		6HP	8HP	10HP	12HP	15HP	
CONDENSING UNIT	Power supply		380V/3/50Hz				
	Evaporation temp range		-15℃~+10℃				
	Model		BF-CUB0600MY	BF-CUC0800MY	BF-CUC1000MY	BF-CUC1200MY	BF-CUC1500MY
	Nominal condition performance	Capacity	11.18KW	14.9KW	19.8KW	22KW	30.7KW
		COP	≥2.3	≥2.4	≥2.4	≥2.4	≥2.4
	Compressor	Type	Danfoss scroll compressor				
		Model	MLZ045T4	MLZ058T4	MLZ076T4	MLZ090T4	MLZ116T4
		Locked rotor Amps (LRA)	82	95	140	147	175
		Maximum operating current (MOC)	14.1	18.1	23.9	26	35
	Fan motor	Quantity	2x480mm	2x500mm	2x500mm	2x550mm	2x550mm
		Total power	60Wx2	450Wx2	450Wx2	600Wx2	600Wx2
		Power supply	220V/1/50Hz	380V/3/50Hz			
	Connecting pipe diameter	Suction	3/4 "	1-1/8 "	1-1/8 "	1-1/8 "	1-5/8 "
Liquid		1/2 "	5/8 "	5/8 "	5/8 "	5/8 "	
Overall drawing	NO.	A2	A3		A5	A4	
Net weight		123kg	172kg	181kg	220kg	301kg	
Nominal condition: Evaporation temp -8℃, ambient temp32℃, Return superheat 11K,have super cooling							

R404A medium and low temperature All-in-one condensing unit parameters table

Unit horsepower		2HP	3HP	3.5HP	4HP	5HP	
CONDENSING UNIT	Power supply		380V/3/50Hz~220V/1/50Hz		380V/3/50Hz		
	Evaporation temp range		-25℃~-10℃				
	Model		BF-CUB0200MY(S)	BF-CUB0300MY(S)	BF-CUB0350MY	BF-CUB0400MY	BF-CUB0500MY
	Nominal condition performance	Capacity	1.92KW	3.05KW	3.6KW	4.46KW	5.27KW
		COP	≥1.4	≥1.4	≥1.4	≥1.4	≥1.4
	Compressor	Type	Danfoss scroll compressor				
		Model	MLZ015T4/T5	MLZ021T4/T5	MLZ026T4/T5	MLZ030T4	MLZ038T4
		Locked rotor Amps (LRA)	30/60 （220V）	45/97 （220V）	45	60	70
		Maximum operating current (MOC)	4.9/13.8 （220V）	6.8/19.5 （220V）	8.3	9.8	11.7
	Fan motor	Quantity	1x480mm	1x480mm	1x480mm	1x480mm	2x480mm
		Total power	60W	60W	60W	60W	60Wx2
		Power supply	220V/1/50Hz				
	Connecting pipe diameter	Suction	5/8 "	5/8 "	5/8 "	3/4 "	3/4 "
Liquid		3/8 "	3/8 "	3/8 "	3/8 "	1/2 "	
Overall drawing	NO.	A1				A2	
Net weight		76kg	82.5kg	86kg	95kg	118kg	
Nominal condition: Evaporation temp -25℃, ambient temp32℃, Return superheat 18K,have super cooling							

Unit horsepower		6HP	8HP	10HP	12HP	15HP	
CONDENSING UNIT	Power supply		380V/3/50Hz				
	Evaporation temp range		-25℃~-10℃				
	Model		BF-CUB0600MY	BF-CUC0800MY	BF-CUC1000MY	BF-CUC1200MY	BF-CUC1500MY
	Nominal condition performance	Capacity	6.24KW	8KW	11.1KW	11.8KW	14KW
		COP	≥1.4	≥1.4	≥1.4	≥1.4	≥1.5
	Compressor	Type	Danfoss scroll compressor				
		Model	MLZ045T4	MLZ058T4	MLZ076T4	MLZ090T4	MLZ116T4
		Locked rotor Amps (LRA)	82	95	140	147	175
		Maximum operating current (MOC)	14.1	18.1	23.9	26	35
	Fan motor	Quantity	2x480mm	2x500mm	2x500mm	2x550mm	2x550mm
		Total power	60Wx2	450Wx2	450Wx2	600Wx2	600Wx2
		Power supply	220V/1/50Hz	380V/3/50Hz			
	Connecting pipe diameter	Suction	3/4 "	1-1/8 "	1-1/8 "	1-1/8 "	1-5/8 "
Liquid		1/2 "	5/8 "	5/8 "	5/8 "	5/8 "	
Overall drawing	NO.	A2	A3		A5	A4	
Net weight		123kg	172kg	181kg	220kg	301kg	
Nominal condition: Evaporation temp -25℃, ambient temp32℃, Return superheat 18K,have super cooling							

Danfoss All-in-one condensing unit

- Increase the heat dissipation area and fan air volume to achieve efficient heat transfer, save electricity, and easily cope with bad working conditions in summer
- Thicken sheet metal, flexible pipeline design, reduce unit vibration



- Anticorrosive galvanized plate + electrostatic spray, durable corrosion resistance, not easy to scratch deformation, prolong the service life
- The compressor is equipped with standard sound insulation cotton to reduce noise pollution and residents' complaints during operation

Adopt Danfoss core components



Scroll compressor

Special compressor for cold storage, low failure rate, energy saving



Solenoid valve

500 thousand times switch, long life, seconds kill other brands, strict control of refrigerant on and off



Pressure protection switch

The force proportional action and double layer pressure control bellows protect the safety of the unit



Dry filter

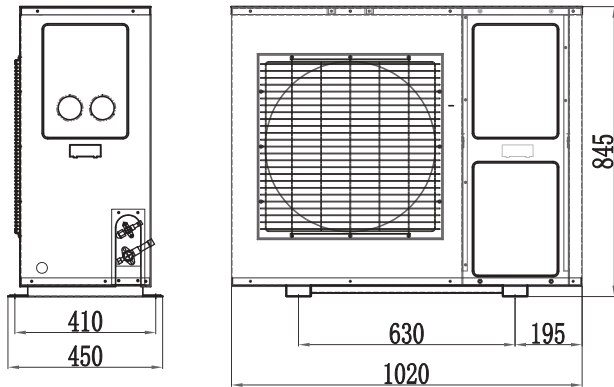
Water absorption speed, high ability, high filtration efficiency, corrosion resistance, impurities and water nowhere to escape



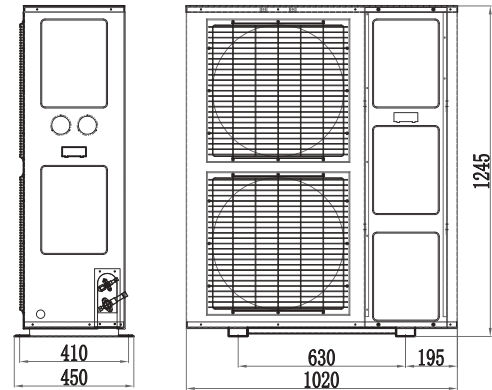
Sight glass

Effectively control the refrigerant filling volume of the system to ensure reliability

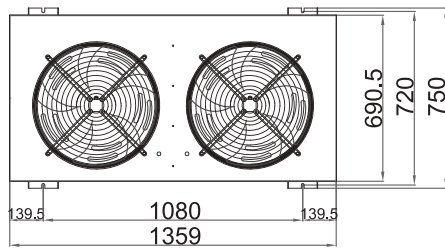
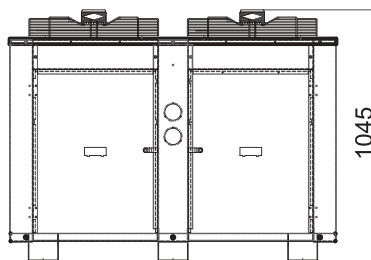
Unit overall drawing



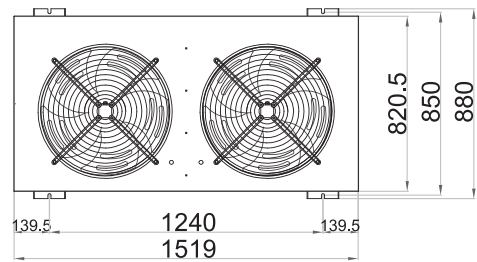
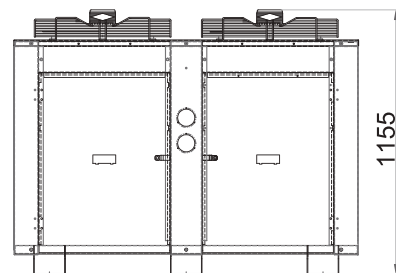
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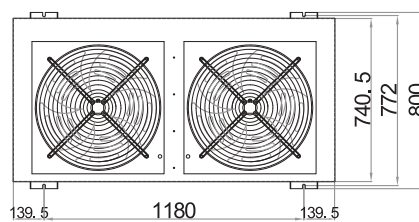
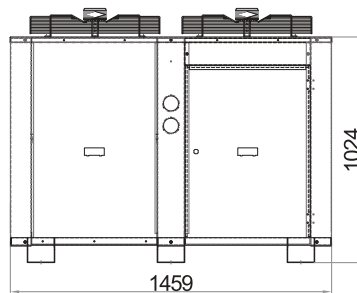
(A2)



(A3)



(A4)



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Application field

Vegetables fresh storage



Fruit cold storage



Vaccine cold storage



Acid discharge cold storage



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