UPGRADE
2021版
400-606-5920

MGREENBELT

ONE-STOP COLD ROOM

Mgreenbelt, build your greenbelt !

MGREENBELT

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Enterprise brief introduction

INTRODUCTION

Mgreenbelt is a professional refrigeration equipment manufacturer, producing walk-in cold rooms, PUR panels, condenser unit, evaporator, industrial water chiller etc; Mgreenbelt brand was established since 2003, built factory in 2010, with 34,000 square meter workshop, all of our product with CE certificate, can supply the SASO, COC and etc documents.

We are the one stop refrigeration cold chain supplier, professional engineers supply the customize solution based on customer special project need, whole system provide and OEM support.

We have been successfully in offering machines to projects of logistic storage, food factory, supermarkets, packaged equipment and system, automobile components producing system, food making, bakery, etc. Exported to the USA, Canada, Australia, England, Ecuador, Sudan, Russia, South Africa, Dubai, Israel, India, Philippine, Singapore, Vietnam, Thailand, Korea, Japan and more than 100 countries.

CERTIFICATE

Packaged Cold Rooms

INTRODUCTION

A cold room is a warehouse in which a specific temperature is artificially generated, it can store fruits, vegetables, seafood, meat, chicken, flowers, blood and other medicines. Cold rooms are staples of restaurants, farms, hotels, supermarkets, and any other place that needs to store fresh/frozen, or pre-cooled food products.

Refrigeration is important for maintaining a proper, unbroken cold chain. Using meat as an example, after slaughtering, meat will be cleaned firstly, then distribute it to shop and supermarket, some of will be quick freeze first, then store it inside cold storage for long time keeping. If the cold chain is broken, bacteria or fungus can grow, making the food unsafe for human consumption.

1 WALK IN COOLER

PRODUCT DESCRIPTION

Mgreenbelt walk-in cooler, typical temperatures for our cold rooms range from of 0°C to 10°C (32F TO 50F). It can store fruits, vegetables, flowers, beer and other drinks. Walk-in cooler is staples of restaurants, farms, hotels, super-markets facilities.

STANDARD FEATURE

- 100mm (4”) Polyurethane Foam Insulated Panels
- R.Value ≥31
- S.Flat White Galvanized Steel Exterior Surface and Interior Surface Finish
- High / Low Alarms
- Energy Efficient Offering Lowered Maintenance Costs
- Corrosive Resistant Painting for PU Panel and Refrigeration Machine
- Customized Voltage and Refrigerant Gas

OPTIONAL FEATURES

- Extended Temperature and Humidity Ranges
- Stainless Steel / Aluminum / Embossed Surfaces
- Ethernet / Remote Monitoring / Alarming
- Corrosive Resistant Equipment
- Back Up System
- Data Logging
- Custom Lighting System
- Shelving
- Unlimited Door / View Window Sizing
- High Weight Capacity Flooring
- Touchscreen Control Interface

2 WALK IN FREEZER

PRODUCT DESCRIPTION

Mgreenbelt walk-in freezer, typical temperatures for our cold room range from of -18°C to -25°C (0F TO -13F). It can store frozen meat, fish, seafood, chicken, ice cream etc. Walk-in freezer is staples of logistics warehouse, restaurants, farms, hotels, supermarkets facilities.

STANDARD FEATURE

- 120mm to 150mm (4.7” to 5.9”) Polyurethane Foam Insulated Panels
- T.Value ≥31
- U.Flat White Galvanized Steel Exterior Surface and Interior Surface Finish
- High / Low Alarms
- Energy Efficient Offering Lowered Maintenance Cost
- Corrosive Resistant Painting for PU Panel and Refrigeration Machine
- Customized Voltage and Refrigerant Gas

OPTIONAL FEATURES

- Extended Temperature and Humidity Ranges
- Stainless Steel / Aluminum / Embossed Surfaces
- Ethernet / Remote Monitoring / Alarming
- Corrosive Resistant Equipment
- Back Up System
- Data Logging
- Custom Lighting System
- Shelving
- Unlimited Door / View Window Sizing
- High Weight Capacity Flooring
- Touchscreen Control Interface

3 BLAST FREEZER

PRODUCT DESCRIPTION

Simply put, a blast freezer is just a freezer which is very cold (below -35℃). Blast freezers are sometimes referred to as shock freezers. The idea of this type of freezer storage is to very rapidly bring down the temperature of (usually) foodstuffs or fresh produce, freezing them very quickly.

Rapid freezing causes the crystals formed to be very small, which does less damage and preserves food at a higher quality. Even more usefully, once the food is "blast frozen", it can be moved into a normal freezer room for longer term storage - as long as this one stays cold enough for the food to stay frozen.

STANDARD FEATURE

- 200mm (7.9”) Polyurethane Foam Insulated Panels
- T-Value ≥31
- U-Flat White Galvanized Steel Exterior Surface and Interior Surface Finish
- High / Low Alarms
- Energy Efficient Offering Lowered Maintenance Cost
- Corrosive Resistant Painting for PU Panel and Refrigeration Machine
- Customized Voltage and Refrigerant Gas

OPTIONAL FEATURES

- Stainless Steel / Aluminum / Embossed Surfaces
- Corrosive Resistant Equipment
- Back Up System
- Custom Lighting System
- Unlimited Door / View Window Sizing
- High Weight Capacity Flooring

Insulated Panels & Cold Room Doors

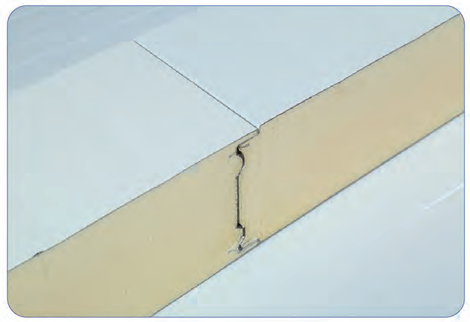
1 INSULATED PUR/PIR PANELS

PRODUCT DESCRIPTION

According to different panel thickness, PU Sandwich Panel can be designed as 50mm/75mm/100mm/120mm/150mm/200mm, widely used in industrial and commercial buildings, cold storage, clean rooms, warehouses and prefab buildings.

According to different connection, PU Sandwich Panel can be designed as cam-lock model and concave convex groove model. Mostly small/medium size cold room use cam-lock model, for large cold room project, concave convex groove model will be better.

Cam-Lock Model



Concave Convex Groove Model

PU Sandwich Panel surface steel can be customized as galvanized steel/aluminum/stainless steel etc.

2 COLD ROOM DOOR

PRODUCT DESCRIPTION

It has standard hinged door, self-closed door, sliding door, glass door etc.

Hinged door(swing door) is widely used for small size cold room storage building, from 50mm to 200mm thickness, depend on cold room temperature to choose. Each door has own door frame, can connect cold room box easily and seamlessly. In order to make sure air tight joints when close the door, there have black rubber seal at around of the door. Customized size and style can suit your cold room well.

Medium-duty sliding door is wildly used for medium/big size cold room storage building, from 100mm to 200mm thickness, depend on cold room temperature to choose. Each sliding door including door track, door frame, door opener, safety lock and 2 pcs strong rails.

Glass door is used for display walk in cold room using for supermarket, aluminum alloy frame; self closing system; 90 degree hold-on feature; 0t-8 lighting system

Indoor Unit Cooler

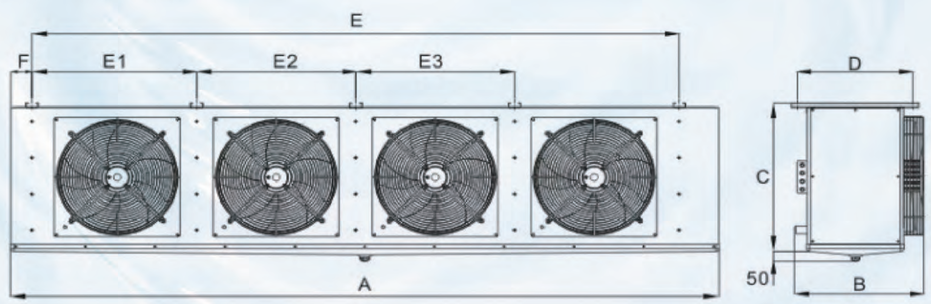
1 STANDARD UNIT COOLER

PRODUCT DESCRIPTION

Based on different cold room temperature, we can offer MGDL, MGDD, MGDJ models. MGDL model can be used for walk in cooler room with 0~15℃; MGDD model is mainly for walk in freezer using, from -10~-18℃; MGDJ model suit for blast freezer room, from -20~-45℃.

Model code

Dimensions



MGDL Unit Cooler

Model			MGDL-2/10	MGDL-3/15	MGDL-4.3/20	MGDL-5.3/25	MGDL-8.2/40	MGDL-12/55	MGDL-17/80	MGDL-22/105
Cooling capacity		kw	2	3	4.3	5.3	8.2	12	17	22
		Btu/h	6826	10239	14676	18089	27986	40956	58020	75085
Fin space		mm	4.5							
Fan	φ Diameter	mm	300	300	300	300	400	400	500	500
	Air flow	m³/h	1700	3400	3400	5100	6000	6000	12000	12000
	Quantity	N	1	2	2	3	2	2	2	2
	Voltage	V	220/380	220/380	220/380	220/380	220/380	220/380	380	380
	Power	W	75	2*75	2*75	3*75	2*180	2*180	2*450	2*450
	Range	M	8	8	8	8	10	10	15	15
Defrost heater	Coil defrost power	W	500	700	800	1100	900	1150	3900	3900
	Drain water defrost power	W	500	700	800	1100	900	1150	1300	1300
	Voltage of defrost heater	V	220	220	220	220	220	220	220	220
Installation dimension	A	mm	725	1010	1125	1575	1330	1750	1820	1820
	B	mm	425	425	425	425	500	500	710	710
	C	mm	460	460	460	460	530	530	660	710
	D	mm	260	260	260	260	390	390	510	510
	E	mm	530	815	930	1380	1060	1480	1650	1650
	E1	mm						740	825	825
	E2	mm								
	E3	mm								
	F	mm	80	80	80	80	95	95	95	95
Connection Pipe	Inlet	mm	φ12	φ12	φ12	φ12	φ16	φ16	φ19	φ19
	Outlet	mm	φ19	φ19	φ19	φ19	φ25	φ25	φ35	φ35
Drainage pipe			G3/4"	G3/4"	G3/4"	G3/4"	G3/4"	G3/4"	G1"	G1"

Model			MGDL-26/125	MGDL-33/160	MGDL-38/185	MGDL-44/210	MGDL-53/260	MGDL-67/330	MGDL-83/410	MGDL-94/470	MGDL-116/580
Cooling capacity		kW	26	33	38	44	53	67	83	94	116
		Btu/h	88737	112628	129693	150171	180887	228669	283276	320819	395904
Fin space		mm	4.5								
Fan	φ Diameter	mm	500	500	500	500	600	600	600	700	700
	Air flow	m³/h	18000	18000	24000	24000	20000	30000	30000	42000	42000
	Quantity	N	3	3	4	4	2	3	3	3	3
	Voltage	V	380	380	380	380	380	380	380	380	380
	Power	W	3*450	3*450	4*450	4*450	2*1500	3*1500	3*1500	3*2200	3*2200
	Range	M	15	15	15	15	20	20	20	20	20
Defrost heater	Coil defrost power	W	4650	5700	6450	7350	7750	9500	10750	12900	14700
	Drain water defrost power	W	1550	1900	2150	2450	1550	1900	2150	2150	2450
	Voltage of defrost heater	V	220	220	220	220	220	220	220	220	220
Installation dimension	A	mm	2220	2720	3120	3520	2220	2720	3200	3200	3520
	B	mm	710	710	710	710	1060	1060	1060	1060	1060
	C	mm	710	710	710	710	920	920	920	1030	1140
	D	mm	510	510	510	510	690	690	690	690	690
	E	mm	1950	2450	2850	3250	1950	2450	2930	2930	3250
	E1	mm	658	825	725	825	975	825	985	985	1090
	E2	mm	633	800	700	800		800	960	960	1070
	E3	mm			700	800					
	F	mm	95	95	95	95	95	95	95	95	95
Connection Pipe	Inlet	mm	φ19	φ19	φ25	φ25	φ25	φ25	φ25	2-φ25	2-φ25
	Outlet	mm	φ35	φ35	φ50	φ50	φ50	φ50	φ50	2-φ50	2-φ50
Drainage pipe			G1"	G1"	G1"	G1"	G1.5"	G1.5"	G1.5"	G2"	G2"

MGDD Unit Cooler

Model			MGDD-1.4/7	MGDD-2.2/12	MGDD-3/15	MGDD-4/22	MGDD-5.7/30	MGDD-8/40	MGDD-11.5/60	MGDD-16/80
Cooling capacity		kw	1.4	2.2	3	4	5.7	8	11.5	16
		Btu/h	4778	7509	10239	13652	19454	27304	39249	54608
Fin space		mm	6							
Fan	φ Diameter	mm	300	300	300	300	400	400	500	500
	Air flow	m³/h	1700	3400	3400	5100	6000	6000	12000	12000
	Quantity	N	1	2	2	3	2	2	2	2
	Voltage	V	220/380	220/380	220/380	220/380	220/380	220/380	380	380
	Power	W	75	2*75	2*75	3*75	2*180	2*180	2*450	2*450
	Range	M	8	8	8	8	10	10	15	15
Defrost heater	Coil defrost power	W	875	1400	1600	2200	1800	2300	3900	5200
	Drain water defrost power	W	500	700	800	1100	900	1150	1300	1300
	Voltage of defrost heater	V	220	220	220	220	220	220	220	220
Installation dimension	A	mm	725	1010	1125	1575	1330	1750	1820	1820
	B	mm	425	425	425	425	500	500	710	710
	C	mm	460	460	460	460	530	530	710	710
	D	mm	260	260	260	260	390	390	510	510
	E	mm	530	815	930	1380	1060	1480	1550	1550
	E1	mm						740	775	775
	E2	mm								
	E3	mm								
	F	mm	80	80	80	80	95	95	95	95
Connection Pipe	Inlet	mm	φ12	φ12	φ12	φ12	φ16	φ16	φ19	φ19
	Outlet	mm	φ19	φ19	φ19	φ19	φ25	φ25	φ35	φ35
Drainage pipe			G3/4"	G3/4"	G3/4"	G3/4"	G3/4"	G3/4"	G1"	G1"

Model			MGDD-19/100	MGDD-24/120	MGDD-28/140	MGDD-33/160	MGDD-37/200	MGDD-47/250	MGDD-57/310	MGDD-67/360	MGDD-81/440
Cooling capacity		kw	19	24	28	33	37	47	57	67	81
		Btu/h	64846	81911	95563	112628	126280	160410	194539	228669	276451
Fin space		mm	6								
Fan	φ Diameter	mm	500	500	500	500	600	600	600	700	700
	Air flow	m³/h	18000	18000	24000	24000	30000	30000	30000	42000	42000
	Quantity	N	3	3	4	4	2	3	3	3	3
	Voltage	V	380	380	380	380	380	380	380	380	380
	Power	W	3*450	3*450	4*450	4*450	2*1500	3*1500	3*1500	3*2200	3*2200
	Range	M	15	15	15	15	20	20	20	20	20
Defrost heater	Coil defrost power	W	6200	7600	8600	9800	12400	15200	17200	19350	22050
	Drain water defrost power	W	1550	1900	2150	2450	1550	1900	2150	2150	2450
	Voltage of defrost heater	V	220	220	220	220	220	220	220	220	220
Installation dimension	A	mm	2220	2720	3120	3520	2220	2720	3200	3200	3520
	B	mm	710	710	710	710	1060	1060	1060	1060	1060
	C	mm	710	710	710	710	920	920	920	1030	1140
	D	mm	510	510	510	510	690	690	690	690	690
	E	mm	1950	2450	2850	3250	1950	2450	2930	2930	3250
	E1	mm	658	825	725	825	975	825	985	985	1090
	E2	mm	633	800	700	800		800	960	960	1070
	E3	mm			700	800					
	F	mm	95	95	95	95	95	95	95	95	95
Connection Pipe	Inlet	mm	φ19	φ19	φ25	φ25	φ25	φ25	φ25	2-φ25	2-φ25
	Outlet	mm	φ35	035	φ50	φ50	φ50	φ50	φ50	2-φ50	2-φ50
Drainage pipe			G1"	G1"	G1"	G1"	G1.5"	G1.5"	G1.5"	G2"	G2"

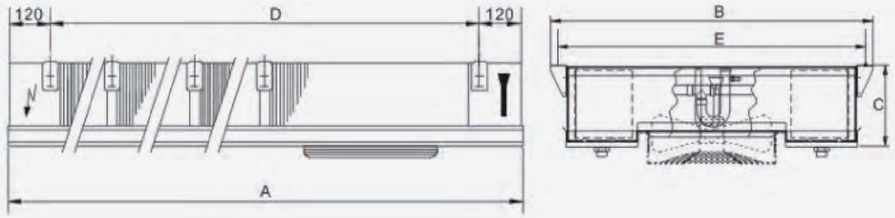
MGDJ Unit Cooler

Model			MGDJ-1.3/8	MGDJ-1.6/10	MGDJ-2.3/15	MGDJ-3.6/20	MGDJ-5/30	MGDJ-7.3/40	MGDJ-10/55	MGDJ-12/70
Cooling capacity		kw	1.3	1.6	2.3	3.6	5	7.3	10	12
		Btu/h	4437	5461	7850	12287	17065	24915	34130	40956
Fin space		mm				9				
Fan	φ Diameter	mm	300	300	300	400	400	500	500	500
	Air flow	m^3/h	3400	3400	5100	6000	6000	12000	12000	18000
	Quantity	N	2	2	3	2	2	2	2	3
	Voltage	V	220/380	220/380	220/380	220/380	220/380	380	380	380
	Power	W	2*75	2*75	3*75	2*180	2*180	2*450	2*450	3*450
	Range	M	8	8	8	10	10	15	15	15
Defrost heater	Coil defrost power	W	1400	1600	2200	1800	2300	3900	5200	6200
	Drain water defrost power	W	700	800	1100	900	1150	1300	1300	1550
	Voltage of defrost heater	V	220	220	220	220	220	220	220	220
Installation dimension	A	mm	1010	1125	1575	1330	1750	1820	1820	2220
	B	mm	425	425	425	500	500	710	710	710
	C	mm	460	460	460	530	530	710	710	710
	D	mm	260	260	260	390	390	510	510	510
	E	mm	815	930	1380	1060	1480	1550	1550	1950
	E1	mm					740	775	775	658
	E2	mm								633
	E3	mm								
	F	mm	80	80	80	95	95	95	95	95
Connection Pipe	Inlet	mm	φ12	φ12	φ12	φ16	φ16	φ19	φ19	φ19
	Outlet	mm	φ19	φ19	φ19	φ25	φ25	φ35	φ35	φ35
Drainage pipe			G3/4"	G3/4"	G3/4"	G3/4"	G3/4"	G1"	G1"	G1"

Model			MGDJ-15/85	MGDJ-17/100	MGDJ-20/115	MGDJ-24/140	MGDJ-29/170	MGDJ-36/210	MGDJ-41/250	MGDJ-52/300
Cooling capacity		kw	15	17	20	24	29	36	41	52
		Btu/h	51195	58020	68259	81911	98976	122867	139932	177474
Fin space		mm				9				
Fan	φ Diameter	mm	500	500	500	600	600	600	700	700
	Air flow	m^3/h	18000	24000	24000	20000	30000	30000	42000	42000
	Quantity	N	3	4	4	2	3	3	3	3
	Voltage	V	380	380	380	380	380	380	380	380
	Power	W	3*450	4*450	4*450	2*1500	3*1500	3*1500	3*2200	3*2200
	Range	M	15	15	15	20	20	20	20	20
Defrost heater	Coil defrost power	W	7600	8600	9800	12400	15200	17200	19350	22050
	Drain water defrost power	W	1900	2150	2450	1550	1900	2150	2150	2450
	Voltage of defrost heater	V	220	220	220	220	220	220	220	220
Installation dimension	A	mm	2720	3120	3520	2220	2720	3200	3200	3520
	B	mm	710	710	710	1060	1060	1060	1060	1060
	C	mm	710	710	710	920	920	920	1030	1140
	D	mm	510	510	510	690	690	690	690	690
	E	mm	2450	2850	3250	1950	2450	2930	2930	3250
	E1	mm	825	725	825	975	825	985	985	1090
	E2	mm	800	700	800		800	960	960	1070
	E3	mm		700	800					
	F	mm	95	95	95	95	95	95	95	95
Connection Pipe	Inlet	mm	φ19	φ25	φ25	φ25	φ25	φ25	2-φ25	2-φ25
	Outlet	mm	φ35	φ50	φ50	φ50	φ50	φ50	2-φ50	2-φ50
Drainage pipe			G1"	G1"	G1"	G1.5"	G1.5"	G1.5"	G2"	G2"

2 DUAL DISCHARGE UNIT COOLER

Dimensions



Model			SDL-2.9/15	SDL-3.8/22	SDL-5.8/30	SDL-7.8/40	SDL-12/60	SDL-16/80
Cooling capacity		kw	2.9	3.8	5.8	7.8	12	16
		Btu/h	9898	12969	19795	26621	40956	54608
Fan	Quantity	φmm	1	1	2	2	3	4
	Power	W	180	180	180	180	180	180
	Air flow	m^3/h	2300	2300	4600	4600	6900	9200
	Diameter	mm	350	350	350	350	350	350
	Voltage	V	380/220	380/220	380/220	380/220	380/220	380/220
Connection Pipe	Inlet	mm	12	16	16	19	19	19
	Outlet	mm	19	19	28	28	28	28
Installation dimension	A	mm	905	905	1505	1505	2105	2705
	B	mm	950	950	950	950	950	950
	C	mm	300	300	300	300	300	300
	D	mm	660	660	1260	1260	1860	2460
	E	mm	900	900	900	900	900	900
Mounting hole dimensions		φmm	10	10	10	10	10	10

Outdoor Condensing Unit

1 INDOOR TYPE

Model code

MG XX H M/T

- Temperature: M:medium temp ; L:low temp
- Condenser Types
- Compressor Power: HP
- MGREENBELT

Medium Temperature Condensing Unit

MGHM							
Model			MG02H-M	MG03H-M	MG04H-M	MG05H-M	MG06H-M
Compressor model		Old	2GC2.2Y	2EC3.2Y	2CC4.2Y	4FC5.2Y	4EC6.2Y
		New	2GES-2Y	2EES-3Y	2CES-4Y	4FES-5Y	4EES-6Y
Cooling capacity/power	Evaporating -5℃	Cooling capacity(kw)	4.61	7.38	10.88	11.8	14.82
		Power (kw)	1.88	2.66	3.94	4.24	5.36
	Evaporating -10℃	Evaporating	3.78	6.05	8.97	9.67	12.12
		Power (kw)	1.75	2.47	3.66	3.97	5.0
Applicable temperature(℃)			-5~5				
Refrigerant			R404A				
Power supply			380V/3P/50Hz				
Condenser	Fan quantity		1	2	2	2	2
	Fan voltage(v)		380	380	380	380	380
	Fan power(w)		180×1	180×2	180×2	180×2	180×2
Coupling	Suction coupling(mm)		φ16	φ22	φ22	φ22	φ28
	Tube coupling(mm)		φ10	φ12	φ12	φ12	φ12
Overall dimensions		L(mm)	620	960	1060	1300	1300
		W(mm)	650	680	680	750	750
		H(mm)	560	460	720	670	770
Mounting dimensions(LxW) (mm)			580×350	920x380	920×380	1260x410	1260x410

Model			MG07H-M	MG09H-M	MG10H-M	MG12H-M	MG15H-M	MG20H-M
Compressor model		Old	4DC7.2Y	4CC9.2Y	4VCS10.2Y	4TCS12.2Y	4PCS15.2Y	4NCS20.2Y
		New	4DES-7Y	4CES-9Y	4VES-10Y	4TES-12Y	4PES-15Y	4NES-20Y
Cooling capacity/power	Evaporating -5℃	Cooling capacity(kw)	17.35	21.6	22.7	27.4	31.3	37.4
		Power (kw)	6.21	7.85	7.77	9.54	10.85	12.89
	Evaporating -10℃	Evaporating	14.21	17.7	18.35	22.3	25.3	30.4
		Power (kw)	5.8	7.29	7.14	8.78	9.93	11.87
Applicable temperature(℃)			-5~5					
Refrigerant			R404A					
Power supply			380V/3P/50Hz					
Condenser	Fan quantity		2	2	2	4	4	4
	Fan voltage(v)		380	380	380	380	380	380
	Fan power(w)		250×2	250×2	250x2	180x4	180×4	180×4
Coupling	Suction coupling(mm)		φ28	φ28	φ28	φ35	φ35	φ42
	Tube coupling(mm)		φ16	φ16	φ16	φ16	φ22	φ22
Overall dimensions		L(mm)	1300	1280	1280	1280	1280	1350
		W(mm)	750	710	710	710	750	800
		H(mm)	870	910	910	1210	1460	1410
Mounting dimensions(LxW) (mm)			1260x410	1000x665	1000x665	1000x665	1000×705	1000x755

*Unit design conditions: Condensation temperature 42 ℃, suction superheat 10 ℃.

Low Temperature Condensing Unit

MGHL									
Model			MG01H-L	MG02H-L1	MG02H-L2	MG02H-L3	MG03H-L1	MG03H-L2	MG04H-L
Compressor model		Old	2HC1.2Y	2FC2.2Y	2EC2.2Y	2DC2.2Y	2CC3.2Y	4FC3.2Y	4EC-4.2Y
		New	2HES-1Y	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y
Cooling capacity/ power	Evaporating -23℃	Cooling capacity (kw)	1.75	2.59	3.36	3.95	5.1	5.45	6.91
		Power (kw)	1.14	1.7	1.88	2.24	2.87	3.16	3.98
	Evaporating -32℃	Cooling capacity(kw)	1.03	1.56	2.04	2.42	3.18	3.44	4.35
		Power (kw)	0.87	1.32	1.43	1.71	2.23	2.48	3.08
Applicable temperature(℃)			-15~-25						
Refrigerant			R404A						
Power supply			380V/3P/50Hz						
Cond-enser	Fan quantity		1	1	1	1	2	2	2
	Fan voltage(v)		380	380	380	380	380	380	380
	Fan power(w)		140	140	140	140	140x2	140x2	140x2
Coupling	Suction coupling(mm)		φ16	φ16	φ22	φ22	φ22	φ22	φ22
	Tube coupling(mm)		φ10	φ10	φ10	φ12	φ12	φ12	φ12
Overall dimensions		L(mm)	620	620	620	620	960	960	1060
		W(mm)	650	650	650	650	680	680	680
		H(mm)	510	510	560	560	460	510	620
Mounting dimensions(LxW) (mm)			580x350	580 x 350	580x350	580x 350	920x380	920x380	1020x 380

Model			MG05H-L	MG06H-L	MG09H-L	MG12H-L	MG14H-L	MG18H-L	MG23H-L
Compressor model		Old	4DC5.2Y	4CC6.2Y	4TCS8.2Y	4PCS10.2Y	4NCS12.2Y	4H15.2Y	4G20.2Y
		New	4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y
Cooling capacity/ power	Evaporating -23℃	Cooling capacity(kw)	8	9.88	12.21	13.6	16.6	23.3	27.4
		Power (kw)	4.57	5.56	6.64	7.28	9.02	12.47	14.79
	Evaporating -32℃	Cooling capacity(kw)	5.04	6.15	7.43	8.05	10.09	14.67	17.48
		Power (kw)	3.55	4.29	4.97	5.33	6.74	9.65	11.46
Applicable temperature(℃)			-15~-25						
Refrigerant			R404A						
Power supply			380V/3P/50Hz						
Cond-enser	Fan quantity		2	2	2	2	4	4	4
	Fan voltage(v)		380	380	380	380	380	380	380
	Fan power(w)		180x2	180x2	180x2	180x2	180x4	180x4	180x4
Coupling	Suction coupling(mm)		Φ28	Φ28	Φ35	Φ35	Φ35	Φ42	Φ54
	Tube coupling(mm)		Φ12	Φ12	Φ16	Φ16	Φ22	Φ22	Φ22
Overall dimensions		L(mm)	1060	1300	1280	1280	1280	1280	1350
		W(mm)	680	750	710	710	750	800	850
		H(mm)	720	670	910	910	1210	1460	1410
Mounting dimensions(LxW) (mm)			1020x380	1260x410	1000x665	1000x665	1000x705	1000x755	1000x805

*Unit design conditions: Condensation temperature 42 ℃, suction superheat 10 ℃

Medium Temperature Condensing Unit

MGVM							
Model			MG25V-M	MG30V-M	MG35V-M	MG40V-M	MG50V-M
Compressor model		Old	4H25.2Y	4G30.2Y	6H35.2Y	6H40.2Y	6F50.2Y
		New	4HE-25Y	4GE-30Y	6HE-35Y	6GE-40Y	6FE-50Y
Coolingcapacity/ power	Evaporating -5℃	Cooling capacity(kw)	49.2	56.5	72.3	82.1	100.1
		Power (kw)	17.05	19.73	25.3	29.3	36.4
	Evaporating -10℃	Cooling capacity(kw)	40.4	46.4	59.3	67.7	82.6
		Power (kw)	15.77	18.23	23.5	27.2	33.8
Applicable temperature(℃)			-5~5				
Refrigerant			R404A				
Power supply			380V/3P/50Hz				
Condenser	Fan quantity		2	2	3	3	3
	Fan voltage(v)		380	380	380	380	380
	Fan power(w)		800x2	800x2	800x3	800x3	800x3
Coupling	Suction coupling(mm)		φ54	φ54	φ54	φ54	φ54
	Tube coupling(mm)		φ22	φ22	φ28	φ28	φ28
Unit dimensions		L(mm)	1150	1150	1050	1050	1600
		W(mm)	570	570	600	600	610
		H(mm)	860	852	910	910	880
Condenser dimensions		L(mm)	1755	1755	2550	2550	2550
		W(mm)	1050	1050	1050	1050	1055
		H(mm)	1050	1050	1050	1050	1050
Mounting dimensions(LxW) (mm)			800x 525	800x 525	800x 525	800 x555	800x 555

Low Temperature Condensing Unit

MGVL					
Model			MG28V-L	MG34V-L	MG44V-L
Compressor model		Old	6H25.2Y	6G30.2Y	6F40.2Y
		New	6HE-28Y	6GE-34Y	6FE-44Y
Cooling capacity/power	Evaporating -20℃	Cooling capacity(kw)	34.3	41.1	49
		Power (kw)	18.38	22.4	27.1
	Evaporating -32℃	Cooling capacity(kw)	21.6	26.6	31.4
		Power (kw)	14.13	17.61	21.3
Applicable temperature(℃)			-15~-25		
Refrigerant			R404A		
Power supply			380V/3P/50Hz		
Condenser	Fan quantity		4	2	2
	Fan voltage(v)		380	380	380
	Fan power(w)		180x4	800x2	800x2
Coupling	Suction coupling(mm)		Φ54	Φ54	Φ54
	Tube coupling(mm)		Φ22	Φ22	Φ28
Unit dimensions		L(mm)	1350	1150	1050
		W(mm)	850	570	600
		H(mm)	1410	1000	1050
Condenser dimensions		L(mm)	-	1755	1755
		W(mm)	-	1050	1050
		H(mm)	-	1050	1050
Mounting dimensions(LxW) (mm)			1000x805	800x525	800x555

*Unit design conditions: Condensation temperature 42 ℃, suction superheat 10 ℃; The condenser and the unit are installed separately

2 SIDE DISCHARGE TYPE

Model code

MG XX L M/L

- M/L → Temperature: M:medium temp ; L:low temp
- L → Condenser Types
- XX → Compressor Power: HP
- MG → MGREENBELT

Medium Temperature Condensing Unit

MGLM							
Model			MG02L-M	MG03L-M	MG04L-M	MG05L-M	MG06L-M
Compressor brand			Copeland				
Compressor model			ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE	ZB45KQE
Cooling capacity/power	Evaporating -5℃	Cooling capacity(w)	4250	6320	8350	10600	12400
		Power (w)	1520	2400	2990	3900	4410
	Evaporating -10℃	Cooling capacity(w)	3430	5150	6990	8820	10350
		Power (w)	1680	2340	3100	3910	4430
Applicable temperature(℃)			-5~5				
Refrigerant			R404A				
Power supply			220V/1P/50Hz			380V/3P/50Hz	
Condenser	Fan quantity		1	1	1	2	2
	Fan voltage(v)		220	220	220	220	220
	Fan power(w)		60	60	60	60x2	60x2
Coupling	Suction coupling(mm)		Φ19	Φ19	Φ19	Φ19	Φ19
	Tube coupling(mm)		Φ10	Φ10	Φ12	Φ12	Φ12
Overall dimensions		L(mm)	1020	1020	1020	1020	1020
		W(mm)	420	420	420	420	420
		H(mm)	840	840	840	1240	1240
Mounting dimensions(LxW) (mm)			580x380	580x380	580x380	580x380	580x380

*Unit design conditions: Condensation temperature 42 ℃, suction superheat 10 ℃

Low Temperature Condensing Unit

MGLL									
Model			MG02L-L	MG2.5L-L	MG03L-L	MG3.5L-L	MG4.5L-L	MG05L-L	MG06L-L	MG07L-L
Compressor brand			Copeland							
Compressor model			ZSI06KQE	ZSI06KQE	ZSI09KQE	ZSI11KQE	ZSI14KQE	ZSI15KQE	ZSI18KQE	ZSI21KQE
Cooling capacity/power	Evaporating -25℃	Cooling capacity(w)	2070	2430	2730	3410	4370	4860	5950	6710
		Power (w)	1680	1980	2060	2560	3130	3240	3790	4500
Applicable temperature(℃)			-15~-20							
Refrigerant			R404A							
Power supply			220V/1P/50Hz					380V/3P/50Hz		
Condenser	Fan quantity		1	1	1	1	1	2	2	2
	Fan voltage(v)		220	220	220	220	220	220	220	220
	Fan power(w)		60	60	60	60	60	60x2	60x2	60x2
Coupling	Suction coupling(mm)		Φ19	Φ19	Φ19	Φ19	Φ19	Φ19	Φ19	Φ19
	Tube coupling(mm)		Φ10	Φ10	Φ12	Φ12	Φ12	Φ12	Φ12	Φ12
Overall dimensions		L(mm)	1020	1020	1020	1020	1020	1020	1020	1020
		W(mm)	420	420	420	420	420	420	420	420
		H(mm)	840	840	840	840	840	1240	1240	1240
Mounting dimensions(LxW) (mm)			580x380	580x380	580x380	580x380	580x380	580x380	580x380	580x380

*Unit design conditions: Condensation temperature 42 ℃, suction superheat 10 ℃

3 TOP DISCHARGE TYPE

Model code

MG XX U M/L

- Temperature: M:medium temp ; L:low temp
- Condenser Types
- Compressor Power: HP
- MGREENBELT

Medium Temperature Condensing Unit

MGUM							
Model			MG08U-M	MG09U-M	MG10U-M	MG13U-M	MG15U-M
Compressor brand			Copeland				
Compressor model			ZB58KQE	ZB66KQE	ZB76KQE	ZB95KQE	ZB114KQ
Cooling capacity/power	Evaporating -5℃	Cooling capacity(w)	16450	18400	21900	26900	32100
		Power (w)	5970	6660	7790	10000	11850
	Evaporating -10℃	Cooling capacity(w)	13650	15350	18200	22400	26500
		Power (w)	5920	6610	7710	9930	11800
Applicable temperature(℃)			-5~5				
Refrigerant			R404A				
Power supply			380V/3P/50Hz				
Condenser	Fan quantity		1	2	2	2	2
	Fan voltage(V)		380	380	380	380	380
	Fan power(W)		600	250x2	450x2	450x2	600x2
Coupling	Suction coupling(mm)		Φ28	Φ28	Φ28	Φ28	Φ28
	Tube coupling(mm)		Φ16	Φ16	Φ16	Φ16	Φ16
Overall dimensions		L(mm)	1158	1288	1488	1488	1538
		W(mm)	856	856	856	856	856
		H(mm)	867	867	867	967	892
Mounting dimensions(LxW) (mm)			802x826	832x826	932x826	932x826	982x826

*Unit design conditions: Condensation temperature 42 ℃, suction superheat 10 ℃

Low Temperature Condensing Unit

MGUL							
Model			MG08U-L	MG09U-L	MG10U-L	MG13U-L	MG15U-L
Compressor brand			Copeland				
Compressor model			ZB58KQE	ZB66KQE	ZB76KQE	ZB95KQE	ZB114KQE
Cooling capacity/power	Evaporating -20℃	Cooling capacity(w)	8790	10350	12100	14450	16950
		Power (w)	5910	6520	7570	9870	11750
Applicable temperature(℃)			-15~-18				
Refrigerant			R404A				
Power supply			380V/3P/50Hz				
Condenser	Fan quantity		1	1	1	2	2
	Fan voltage(v)		380	380	380	380	380
	Fan power(w)		450	600	600	450x2	450x2
Coupling	Suction coupling(mm)		Φ28	Φ28	Φ28	Φ28	Φ28
	Tube coupling(mm)		Φ16	Φ16	Φ16	Φ16	Φ16
Overall dimensions		L(mm)	938	938	1158	1288	1488
		W(mm)	756	856	856	856	856
		H(mm)	767	867	867	867	867
Mounting dimensions(LxW) (mm)			582X726	582X726	802X826	832X826	932X826

*Unit design conditions: Condensation temperature 42 ℃, suction superheat 10 ℃

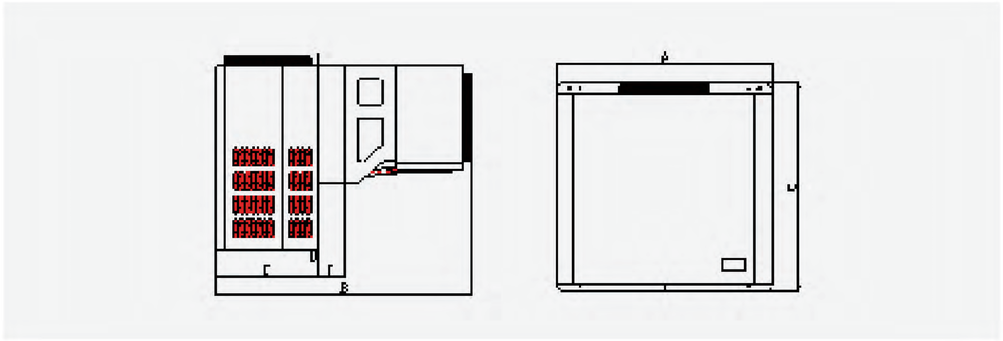
Monoblock Unit

1 WALL-MOUNTED MONOBLOCK UNIT

Model code

MG XX M/L W

- W → Type: W： wall-mounted
- M/L → Temperature:M:-5~5℃ ; L:-15~ -20℃
- XX → Compressor Power: HP/100
- MG → MGREENBELT



Medium Temperature Condensing Unit

Model	MG33M-W	MG50M-W	MG63M-W	MG100M-W	MG125M-W	MG175M-W	MG200M-W	MG275M-W	MG350M-W
Capacity(w)	530	810	1050	1560	2230	2950	3250	4400	5200
Input (kw)	0.68	0.85	1.1	1.3	1.75	2.52	2.61	3.33	4.2
Power supply	220V/1P/50HZ							380V/3P/50HZ	
Temp range (℃)	0-5								
Cond fan (w)	1x75	1x75	1x75	1x80	1x80	1x155	1x155	2x80	2x80
Evap fan (w)	1x75	1x75	1x75	1x80	1x80	1x155	1x155	2x80	2x80
Defrost type	Electrical defrost								
Throttling	Expansion valve								
Refrigerant	R404A								
WT(kg)	57	60	62	87	90	117	120	150	155

*Unit design conditions: evaporation temperature－7 ℃, Condensation temperature 42 ℃

Low Temperature Condensing Unit

Model	MG50L-W	MG63L-W	MG100L-W	MG150L-W	MG200L-W	MG300L-W	MG400L-W
Capacity(w)	550	660	750	1050	1580	2060	3100
Input (kw)	0.63	0.71	1.04	1.35	2.01	2.63	3.26
Power supply	220V/1P/50HZ					380V/3P/50HZ	
Temp range (℃)	-18 ～ -20						
Cond fan (w)	1x75	1x75	1x80	1x80	1x155	1x155	2x80
Evap fan (w)	1x75	1x75	1x80	1x80	1x155	1x155	2x80
Defrost type	Electrical defrost						
Throttling	Expansion valve						
Refrigerant	R404A						
WT(kg)	60	62	88	92	123	128	160

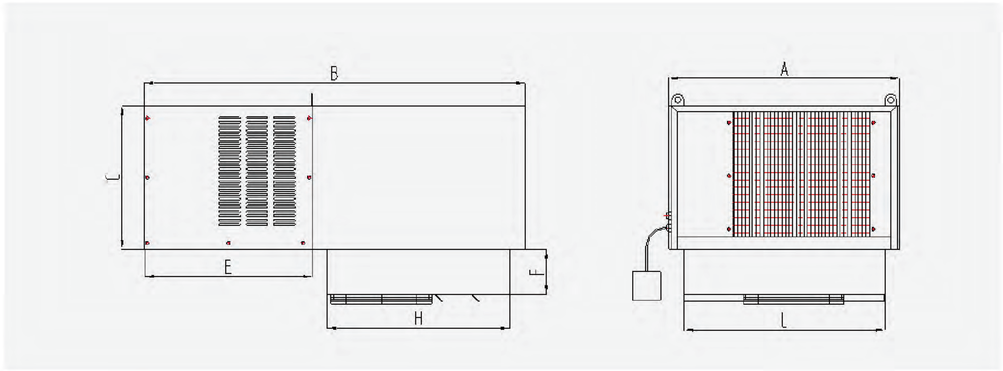
*Unit design conditions: evaporation temperature－25 ℃, Condensation temperature 42 ℃

2 CEILING-MOUNTED MONOBLOCK UNIT

Model code

MG XX M/L C

- C → Type: C: ceiling-mounted
- M/L → Temperature:M:-5~5℃ ; L:-15~ -20℃
- XX → Compressor Power: HP/100
- MG → MGREENBELT



Medium Temperature Condensing Unit

Model	MG50M-C	MG63M-C	MG100M-C	MG125M-C	MG200M-C
Capacity(w)	810	1050	1560	2230	3050
Input (kw)	0.85	1.1	1.3	1.75	2.1
Power supply	220V/1P/50HZ				
Temp range (℃)	0-5				
Cond fan (w)	1x75	1x75	1x80	1x80	1x155
Evap fan (w)	1x75	1x75	1x80	1x80	1x155
Defrost type	Hot gas				
Throttling	Expansion valve				
Refrigerant	R404A				

*Unit design conditions: evaporation temperature – 7 ℃, Condensation temperature 42 ℃

Low Temperature Condensing Unit

Model	MG50L-C	MG63L-C	MG100L-C	MG150L-C	MG200L-C	MG300L-C
Capacity(w)	550	660	750	1050	1580	2060
Input (kw)	0.63	0.71	1.04	1.35	1.91	2.3
Power supply	220V/1P/50HZ					
Temp range (℃)	-18 ～ -20					
Cond fan (w)	1x75	1x75	1x80	1x80	1x155	1x155
Evap fan (w)	1x75	1x75	1x80	1x80	1x155	1x155
Defrost type	Hot gas					
Throttling	Expansion valve					
Refrigerant	R404A					

*Unit design conditions: evaporation temperature – 25 ℃, Condensation temperature 42 ℃

Cases

America walk ins cold room

Size: 100*30*15ft
Temp: −13 F(−25℃)
For frozen chicken meat storage
Use condensing unit with Copeland compressor

Cold storage for Philippines

Size: 30*15*5m
Temp: −25℃
For frozen meat storage
Use condensing unit with Bitzer compressor

Mini cold rooms for Australia

Size: 3*3*2.5m
Temp: 5℃
For daily foods keeping
Use Monoblock units

Display walk ins cooler for America

Size: 5 doors with beer cave
Temp: 32 F(0℃)
For beers/drinks display
Use 2 sets condensing unit with 4 sets evaporators

Cold room/blast freezer for slaughter-house in Africa

Size: 50*32*4-6m
Temp: −20℃/−35℃
For meat quick freeze and storage

Cold room project for seafood factory in South America

Size: 30*20*4m
Temp: −20℃/+15℃
For seafood quick freeze /storage/ process