



ADVANCE COOL TECHNOLOGY CO.,LTD.  
*THE CHILLER EXPERT*

# ACT Mono-Blocks

## for Cold Storage



*Lower Price*



*Easy to Install*



*Compact Size*



*Wi-Fi Electronic Controller*



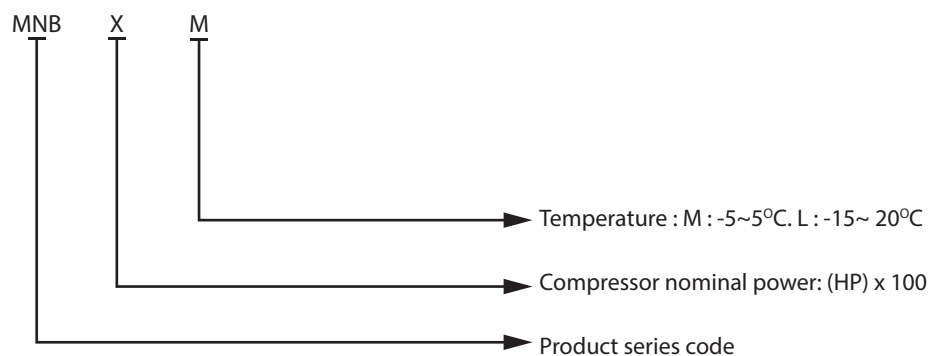


## ACT Mono-blocks for Cold Storage

ACT mono blocks can be used for small cold rooms of temperature of  $-5^{\circ}\text{C}\sim 5^{\circ}\text{C}$  or  $-15^{\circ}\text{C}\sim -20^{\circ}\text{C}$ , in hotels, restaurants, medicines, agricultural, chemicals industries all other place where cold storage is needed.

All the product features:

- It is compact in structure, save installation space. That integrates evaporator, condenser, compressor, electrical control units into one compact body.
- With world famous brand hermetic compressors and refrigeration parts for all products;
- Heat exchangers with high efficient in grooved copper tube and aluminum fins;
- Intellectual controls with automatic temperature set, temperature control, and automatic defrosting.
- Protection devices for over loading, sub-heating, lack of phase, high & low pressure etc.
- Easy, labor saving for installation;
- Hot gas defrosting
- Refrigerant R404a



## ACT Mono-blocks for Cold Storage

Monoblock refrigeration units are self-contained systems for cold storage that combine the evaporator and condenser into a single unit. This design simplifies installation, reduces maintenance needs, and minimizes potential refrigerant leaks. They are suitable for a wide range of temperatures, from chilled storage to frozen storage.

### Commercial and industrial refrigeration:

Monoblocks are suitable for various applications, including food storage, pharmaceutical storage, and cold storage for other goods.

### Walk-in coolers and freezers:

They are commonly used for walk-in coolers and freezers in supermarkets, restaurants, and other businesses.

### Chiller rooms:

Monoblocks can be used for maintaining chilled temperatures in chiller rooms.



**Lower Price**



**Easy to Install**



**Compact Size**



**Wi-Fi Electronic Controller**



Lower Price, easy to install, no need to run refrigerant pipes, no need to run any signal wires, just supply power and it can be used immediately.





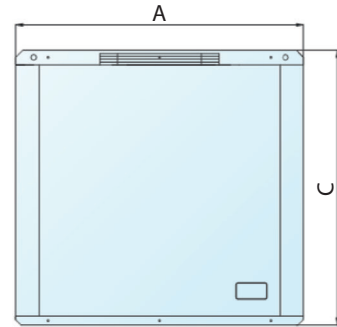
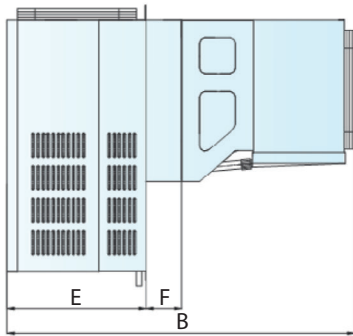
Monoblock Unit Specification				
Model		SMB1	SMB2	SMB3
Compressor Power (HP)		1HP	2HP	3HP
Power Supply		220V~240V/1PH/50HZ		
Evaporating Temperature		-35°C ~ +10°C		
Environment Temperature		-10°C ~ +45°C		
Refrigerant Type		R507A/R404A		
Refrigerant Charged		0.8KGS	1.2KGS	1.5KGS
Rated Current		5.2A	12.3A	15.5A
Power Consumption (W)		950	2630	3350
Net Weight (KGS)		72	85	108
Gross Weight (KGS)		96	110	135
Condensor Fan	Fan QTY	1	1	2
	Fan Diameter	Ø300	Ø300	Ø300
	Fan Speed (RPM)	1650	1650	1650
Evaporator Fan	Fan QTY	1	1	2
	Fan Diameter	Ø300	Ø300	Ø250
	Fan Speed (RPM)	1650	1650	1650
Package Dimension (mm)	Length	1100	1100	1100
	Width	720	820	970
	Height	880	980	980
Cooling Capacity (W)	Evaporating SST	Ambient Temperature +35°C		
	0°C	2056	5200	6578
	-25°C	779	1908	2858

- 1.) Compressor Brand SANYO
- 2.) Emerson Expansion Valve
- 3.) Wi-Fi Electronic Controller in English
- 4.) Hot Gas Defrost

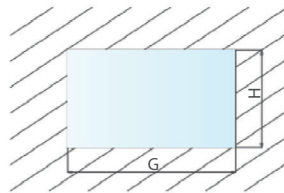
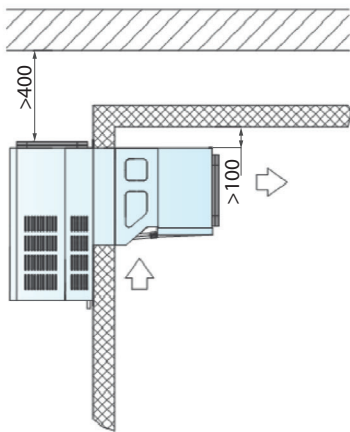
Recommended Cold Room Size			
Model	Capacity	Chiller	Freezer
SMB1	1HP	10m <sup>3</sup>	5m <sup>3</sup>
SMB2	2HP	35m <sup>3</sup>	20m <sup>3</sup>
SMB3	3HP	50m <sup>3</sup>	30m <sup>3</sup>

**Overall and installation dimensions:**

**A. Overall structure size**



**B. Installation and holes size:**



Model	MNB 1	MNB 2	MNB 3
A	650	750	900
B	1050	1050	1050
C	750	850	850
D	410	410	410
E	120	120	120
G	590	690	890
H	480	480	480



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