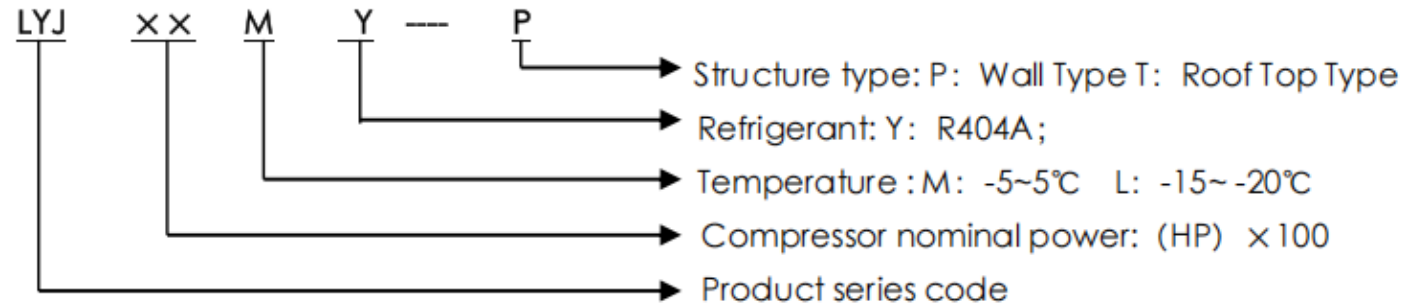


产品描述 PRODUCT DESCRIPTION

LYJ Series Monoblock Unit is a compact and integrated refrigeration solution designed for cold rooms and freezers. It combines key refrigeration components like compressors, condensers, and evaporators into a single, space saving unit. With a robust white casing, it features efficient fans for heat exchange, ensuring stable and reliable cooling performance. Suitable for small to medium sized cold storage applications, it simplifies installation and maintenance while providing consistent temperature control for preserving perishable goods.

型号标识 NOMENCLATURE



技术参数 TECHNICAL DATA

1. Middle Temp. range

Medium Temperature Models	LYJ33MY	LYJ50MY	LYJ63MY	LYJ100MY	LYJ125MY	LYJ175MY	LYJ200MY	LYJ275MY	LYJ350MY	
Operating Range at +45°C SCT	+5°C to -5°C Room Temperature									
Refrigerant	R404A									
Power Supply	220V/1PH/50HZ					380V/3PH/50HZ				
Compressor Data	Model	AEZ344 OZ	CAE946 OZ	CAE947 OZ	CAJ9510 Z	CAJ4517Z	CAJ4519Z	FH4524Z	H4531Z	H4540Z
	Displacement (cm ³)	7.6	11.3	13.3	18.3	25.95	34.45	43.5	56.65	74.25
	Nominal Horsepower	1/3.0	1/2.0	5/8.0	1	1.25	1.75	2	2.75	3.5

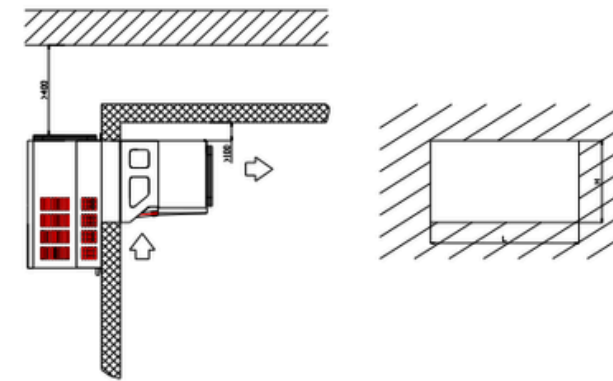
Air Cooled Condenser Data	Surface Area(m ²)	3.7	3.7	5.6	6	9	12.4	16.6	18	24
	Face Area(m ²)	0.11	0.11	0.11	0.17	0.17	0.24	0.24	0.34	0.34
	Fin pacing(mm)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Fan number	1	1	1	1	1	1	1	2	2
	Fan Diameter(mm)	250	250	250	300	300	300	300	300	300
	Fan Voltage (V)	220	220	220	220	220	220	220	220	220
	Fan Power(W)	75	75	75	80	80	155	155	2×80	2×80
	Fan Amps(A)Each	0.5	0.5	0.5	0.4	0.4	0.75	0.75	2×0.4	2×0.4
Evaporator Data	Surface Area(m ²)	2.8	4	5	7	8.3	12	14.2	17.2	20.6
	Face Area(m ²)	0.1	0.1	0.1	0.18	0.18	0.25	0.25	0.36	0.36
	Fin pacing(mm)	4	4	4	4	4	4	4	4	4
	Fan number	1	1	1	1	1	1	1	2	2
	Fan Diameter(mm)	250	250	250	300	300	300	300	300	300
	Fan Voltage (V)	220	220	220	220	220	220	220	220	220
	Fan Power(W)	75	75	75	80	80	155	155	2×80	2×80
	Fan Amps(A)Each	0.5	0.5	0.5	0.4	0.4	0.75	0.75	2×0.4	2×0.4
Defrost Data	Electric									
	Watts	600	600	600	900	900	1100	1100	1600	1600
Amps	3.6	3.6	3.6	5.5	5.5	6.7	6.7	9.7	9.7	
Refrigeration Capacity	0°C	743	1092	1300	1860	2670	3470	4070	5200	6700
	-5°C	590	857	1030	1470	2100	2740	3100	4000	5260
	-10°C	462	660	800	1150	1600	2120	2290	3000	4000
Expansion Valve Detail		TES2-0.21	TES2-0.21	TES2-0.21	TES2-0.45	TES2-0.6	TES2-0.6	TES2-1.2	S2-1.2	S2-1.2
Operating Charge of	R404A	0.4	0.6	0.8	1.2	1.5	2.1	2.4	3.2	4.2

2.Low temp. Range

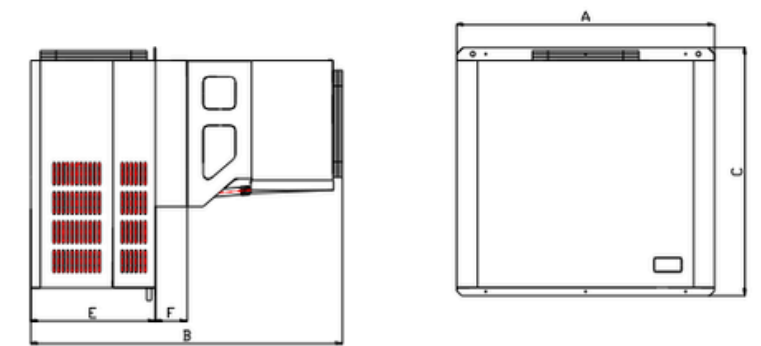
Medium Temperature Models		LYJ50LY	LYJ63LY	LYJ100LY	LYJ150LY	LYJ200LY	LYJ300LY	LYJ400LY
Operating Range at +45°C SCT		-18C to-20C Room Temperature						
Refrigerant		R404A						
Power Supply		220V/1PH/50HZ				380V/3PH/50HZ		
Compressor Data	Model	CAE2420Z	CAE2424Z	CAJ2446Z	CAJ2464Z	FH2480Z	TFH2511Z	TAG2516Z
	Displacement (cm ³)	12.6	15.1	26.2	34.5	53.2	74.25	112.5
	Nominal Horsepower	0.5	0.6	1	1.5	2	3	4
Air Cooled Condenser Data	Surface Area(m ²)	3.7	3.7	6	9	12.4	16.6	24
	Face Area(m ²)	0.11	0.11	0.17	0.17	0.24	0.24	0.34
	Fin pacing(mm)	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Fan number	1	1	1	1	1	1	2
	Fan Diameter(mm)	250	250	300	300	300	300	300
	Fan Voltage (V)	220	220	220	220	220	220	220
	Fan Power(W)	75	75	80	80	155	155	2×80
	Fan Amps(A)Each	0.5	0.5	0.4	0.4	0.75	0.75	2×0.4
Evaporator Data	Surface Area(m ²)	2.7	3.5	5	6	8.5	10	15
	Face Area(m ²)	0.1	0.1	0.18	0.18	0.25	0.25	
	Fin pacing(mm)	6	6	6	6	6	6	6
	Fan number	1	1	1	1	1	1	2
	Fan Diameter(mm)	250	250	300	300	300	300	300
	Fan Voltage (V)	220	220	220	220	220	220	220
	Fan Power(W)	75	75	80	80	155	155	2×80
	Fan Amps(A)Each	0.5	0.5	0.4	0.4	0.75	0.75	2×0.4

Defrost Data		Electric						
	Watts	900	900	1350	1350	1650	1650	2400
	Amps	5.5	5.5	8.2	8.2	10	10	14.5
Refrigeration Capacity	20°C	650	760	1440	1890	2660	3800	5330
	25°C	500	580	1120	1500	1990	2900	4000
	30°C	357	410	800	1100	1320	2016	2700
Expansion Valve Detail		TES2-0.21	TES2-0.21	TES2-0.45	TES2-0.45	TES2-0.6	TES2-1.2	TES2-1.2
Operating Charge of	R404A	0.6	0.8	1.2	1.5	2.4	3.2	4.2

General Drawing of Plug-In Unit



Cross Section Illustrating Installation Configuration



Model	LYJ33 MY	LYJ50 MY	LYJ63 MY	LYJ10 0MY	LYJ12 5MY	LYJ17 5MY	LYJ20 0MY	LYJ27 5MY	LYJ35 0MY	LYJ6 3LY	LYJ1 00LY	LYJ1 50LY	LYJ2 00LY	LYJ3 00LY	LYJ4 00LY
A	490	490	490	620	620	800	800	1090	1090	490	620	620	800	800	1090
B	920	920	920	995	995	995	995	995	995	970	1045	1045	1045	1045	1045
C	665	665	665	765	765	765	765	765	765	665	765	765	765	765	765
E	340	340	340	390	390	390	390	390	390	340	390	390	390	390	390
F	100	100	100	100	100	100	100	100	100	150	150	150	150	150	150
L	445	445	445	575	575	755	755	1045	1045	445	575	575	755	755	1045
H	360	360	360	455	455	455	455	455	455	360	455	455	455	455	455