

PRODUCT GUIDE

PAU-SERIES



Food processing, Warehouse refrigerator, Supermarket refrigeration

• PAU□□□M-B17B

Standard Specifications 50Hz

R404A / R507A

Model	003M -B17B	005M -B17B	008M -B17B	010M -B17B	015M -B17B	020M -B17B	025M -B17B	030M -B17B	040M -B17B	050M -B17B
Refrigerant	R404A / R507A									
Evap. Temp Range	-25 °C ~ +10 °C									
Power Supply	Main : 380V x 3PH x 50Hz Control : 220V x 1PH x 50Hz									
Capacity	10.7 kW	14.9 kW	22.2 kW	29.4 kW	40.7 kW	48.4 kW	62.8 kW	71.8 kW	104.0 kW	126.0 kW
Refrigeration Ton	1.64 RT	2.20 RT	3.27 RT	4.24 RT	5.91 RT	6.86 RT	8.99 RT	10.30 RT	15.46 RT	18.49 RT
Electric	Power Consumption	3.85 kW	5.12 kW	7.59 kW	9.75 kW	13.65 kW	16.19 kW	21.2 kW	24.5 kW	36.1 kW
	Current Consumption	6.88 A	9.07 A	13.07 A	16.87 A	23.6 A	27.4 A	36.2 A	42.5 A	63.3 A
Compressors	Model	2DES-3	4FES-5	4DES-7	4VE-10	4PE-15	4NE-20	4HE-25	4GE-30	6FE-50
	Nominal Output	3 HP	5 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	50 HP
	Displacement m ³ /h	13.42	18.05	26.84	34.73	48.5	56.25	73.7	84.5	126.8
	Oil Quantity lit	1.5	2.0	2.0	2.6	2.6	2.6	4.5	4.5	4.75
	Crankcase Heater W	120	120	120	120	120	120	140	140	140
Condenser	Heat Exchanger	CROSS-TUBE & FIN								
	Air Flow	78 CMM	78 CMM	134 CMM	134 CMM	290 CMM	290 CMM	434 CMM	434 CMM	579 CMM
	Power x Pole kW x P	0.10 x 6	0.10 x 6	0.20 x 6	0.20 x 6	0.75 x 6	0.75 x 6	0.75 x 6	0.75 x 6	0.75 x 6
	Diameter x EA ø x EA	400 x 2	400 x 2	500 x 2	500 x 2	630 x 2	630 x 2	630 x 3	630 x 3	630 x 4
	Receiver Capacity lit	3.7	6.5	8.4	13	27	27	43	43	51
	Cond. Pressure Control	HPC								
	Components	Oil Separator, Receiver, Filter Drier, Sight Glass, Accumulator, Gauge								
	Protection	DPS, OPS, Internal Overload Protector								
	Suction Line mm	22.22	22.22	28.58	28.58	41.28	41.28	53.98	53.98	53.98
	Discharge Line mm	15.88	15.88	22.22	22.22	28.58	28.58	28.58	28.58	34.92
	Liquid Line mm	9.52	12.7	15.88	15.88	19.05	19.05	22.22	22.22	28.58
Dimensions	Paint Color	N9.3								
	Length mm	1,320	1,320	1550	1550	1840	1840	1840	2320	2320
	Width mm	680	680	720	720	903	903	903	903	1018
	Height mm	1458	1458	1418	1418	1657	1808	1808	1908	1966
	Anchor Dimensions (mm)	1,040 x 708	1,040 x 708	1,233 x 747	1,233 x 747	1,530 x 930	1,530 x 930	2,002 x 930	2,002 x 930	2,858 x 1,045

※ Condensing Temp : +50°C ※ Evaporating Temp : +5°C ※ The specifications of this unit may be changed without notice to improve the performance of the product.



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Capacity Table

Refrigeration capacity table

— R404A / R507A Capacity 50Hz

Subcooling : 5K / Suction Superheat : 5K (kW)

Model	CT	Evaporating Temp (°C)							
		-30	-25	-20	-15	-10	-5	0	+5
PAU003M-B17B	+50°C	1.82	2.52	3.37	4.4	5.62	7.07	8.77	10.77
PAU005M-B17B		2.65	3.58	4.72	6.1	7.77	9.76	12.13	14.91
PAU008M-B17B		3.9	5.27	6.97	9.03	11.52	14.51	18.05	22.24
PAU010M-B17B		4.46	6.27	8.53	11.32	14.7	18.77	23.64	29.42
PAU015M-B17B		6	8.49	11.62	15.48	20.18	25.86	32.66	40.74
PAU020M-B17B		7.78	10.74	14.44	18.98	24.49	31.13	39.07	48.49
PAU025M-B17B		10.79	14.78	19.68	25.6	32.71	41.15	51.14	62.89
PAU030M-B17B		12.66	17.2	22.76	29.49	37.56	47.15	58.48	71.82
PAU040M-B17B		18.57	25.26	33.39	43.17	54.83	68.64	84.91	104
PAU050M-B17B		22.9	31.12	41.04	52.92	67.01	83.65	103.18	126.04

— R22 Capacity 50Hz

Subcooling : 5K / Suction Superheat : 5K (kW)

Model	CT	Evaporating Temp (°C)							
		-30	-25	-20	-15	-10	-5	0	+5
PAU003M-B17A	+50°C	2.78	3.66	4.7	5.93	7.37	9.04	10.98	13.2
PAU005M-B17A		3.64	4.83	6.25	7.94	9.92	12.24	14.93	18.02
PAU008M-B17A		5.54	7.28	9.35	11.8	14.68	18.03	21.92	26.39
PAU010M-B17A		7.02	9.51	12.47	15.98	20.11	24.92	30.5	36.92
PAU015M-B17A		9.54	12.99	17.12	22.01	27.76	34.47	42.24	51.2
PAU020M-B17A		11.6	15.63	20.45	26.15	32.85	40.66	49.7	60.11
PAU025M-B17A		15.92	21.26	27.62	35.13	43.94	54.2	66.08	79.73
PAU030M-B17A		18.79	24.95	32.28	40.93	51.08	62.89	76.54	92.25
PAU040M-B17A		27.42	36.61	47.56	60.49	75.67	93.34	113.78	137.3
PAU050M-B17A		33.44	44.47	57.59	73.09	91.27	112.43	136.9	165.05

— R134a Capacity 50Hz

Subcooling : 5K / Suction Superheat : 5K (kW)

Model	CT	Evaporating Temp (°C)							
		-30	-25	-20	-15	-10	-5	0	+5
PAU003M-B17E	+50°C	1.4	2.02	2.76	3.67	4.75	6.02	7.53	9.29
PAU005M-B17E		1.73	2.5	3.46	4.63	6.05	7.76	9.8	12.2
PAU008M-B17E		2.81	3.97	5.42	7.18	9.31	11.86	14.89	18.48
PAU010M-B17E		3.36	4.86	6.73	9.02	11.79	15.11	19.06	23.73
PAU015M-B17E		4.48	6.56	9.16	12.35	16.2	20.83	26.34	32.85
PAU020M-B17E		5.86	8.32	11.37	15.11	19.62	25.02	31.44	39.03
PAU025M-B17E		8.06	11.52	15.72	20.75	26.74	33.8	42.11	51.81
PAU030M-B17E		9.57	13.58	18.45	24.3	31.26	39.48	49.14	60.44
PAU040M-B17E		14.63	20.42	27.46	35.92	46	57.93	71.97	88.4
PAU050M-B17E		17.04	23.83	32.1	42.08	54	68.15	84.83	104.37

1. If you need capacity at other condition, contact our engineer or use selection program

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Food processing, Warehouse refrigerator, Supermarket refrigeration

· PAU□□□L-B17B

Standard Specifications 50Hz

R404A / R507A

Model	003L -B17B	005L -B17B	008L -B17B	010L -B17B	015L -B17B	020L -B17B	025L -B17B	030L -B17B	040L -B17B
Refrigerant	R404A / R507A								
Evap. Temp Range	-45 °C ~ -10 °C								
Power Supply	Main : 380V x 3PH x 50Hz Control : 220V x 1PH x 50Hz								
Capacity	4.72 kW	6.96 kW	10.59 kW	11.69 kW	20.3 kW	23.9 kW	29.90 kW	35.90 kW	42.80 kW
Refrigeration Ton	2.20 RT	3.27 RT	5.04 RT	5.91 RT	8.99 RT	10.30 RT	13.48 RT	15.46 RT	18.49 RT
Electric	Power Consumption	3.54 kW	5.15 kW	7.54 kW	8.14 kW	14.03 kW	16.72 kW	20.70 kW	25.50 kW
	Current Consumption	6.54 A	9.12 A	13.14 A	14.48 A	24.10 A	28.20 A	36.90 A	44.10 A
Compressors	Model	4FES-3	4DES-5	4TE-9	4PE-12	4HE-18	4GE-23	6HE-28	6GE-34
	Nominal Output	3.0 HP	5.0 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP
	Displacement m ³ /h	18.05	26.84	41.33	48.5	73.7	84.5	110.5	126.8
	Oil Quantity lit	2	2	2.6	2.6	4	4.5	4.75	4.75
	Crankcase Heater W	120	120	120	120	140	140	140	140
Condenser	Heat Exchanger	CROSS-TUBE & FIN							
	Air Flow	78 CMM	78 CMM	134 CMM	134 CMM	290 CMM	290 CMM	434 CMM	434 CMM
	Power x Pole kW x P	0.10 x 6	0.10 x 6	0.20 x 6	0.20 x 6	0.75 x 6	0.75 x 6	0.75 x 6	0.75 x 6
	Diameter x EA ø x EA	400 x 2	400 x 2	500 x 2	500 x 2	630 x 2	630 x 2	630 x 3	630 x 3
Dimensions	Receiver Capacity lit	3.4	6.5	8.4	13	27	27	43	43
	Cond, Pressure Control	HPC							
	Components	Oil Separator, Receiver, Filter Drier, Sight Glass, Accumulator, Gauge							
	Protection	DPS, OPS, Internal Overload Protector							
Dimensions	Suction Line mm	22.22	28.58	34.92	34.92	41.28	53.98	53.98	53.98
	Discharge Line mm	15.88	22.22	28.58	28.58	28.58	28.58	34.92	34.92
	Liquid Line mm	9.52	12.7	15.88	15.88	19.05	19.05	22.22	22.22
	Paint Color	N9.3							
	Length mm	1,320	1,320	1,550	1,550	1,840	1,840	2,320	2,320
Dimensions	Width mm	680	680	720	720	903	903	903	903
	Height mm	1,458	1,458	1,418	1,468	1,657	1,808	1,808	1,908
Dimensions	Anchor Dimensions (mm)	1,040 x 708	1,040 x 708	1,233 x 747	1,233 x 747	1,530 x 930	1,530 x 930	2,002 x 930	2,002 x 930

※ Condensing Temp : +50°C ※ Evaporating Temp : -20°C ※ The specifications of this unit may be changed without notice to improve the performance of the product.



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Capacity Table

Refrigeration capacity table

— R404A / R507A Capacity 50Hz

Subcooling : 5K / Suction Superheat : 5K (kW)

Model	CT	Evaporating Temp (°C)							
		-45	-40	-35	-30	-25	-20	-15	-10
PAU003L-B17B	+50°C	0.88	1.33	1.91	2.65	3.58	4.72	6.11	7.78
PAU005L-B17B		1.28	1.94	2.8	3.9	5.27	6.97	9.03	11.53
PAU008L-B17B		1.57	2.59	3.94	5.67	7.86	10.59	13.93	17.98
PAU010L-B17B		1.42	2.55	4.07	6.04	8.55	11.69	15.57	20.28
PAU015L-B17B		3.49	5.5	8.08	11.34	15.38	20.31	26.28	33.42
PAU020L-B17B		4.6	6.92	9.88	13.61	18.22	23.85	30.65	38.77
PAU025L-B17B		5.07	8.05	11.88	16.69	22.65	29.92	38.7	49.21
PAU030L-B17B		7.14	10.69	15.18	20.76	27.6	35.88	45.81	57.62
PAU040L-B17B		7.56	12.02	17.59	24.43	32.77	42.8	54.78	68.97

— R22 Capacity 50Hz

Subcooling : 5K / Suction Superheat : 5K (kW)

Model	CT	Evaporating Temp (°C)							
		-45	-40	-35	-30	-25	-20	-15	-10
PAU003L-B17A	+50°C	-	-	1.84	2.65	3.64	4.83	6.25	7.94
PAU005L-B17A		-	-	2.92	4.1	5.54	7.28	9.35	11.8
PAU008L-B17A		-	2.91	4.55	6.53	8.92	11.68	15.23	19.43
PAU010L-B17A		-	3.35	5.26	7.57	10.35	12.99	17.12	22.01
PAU015L-B17A		-	4.96	7.82	11.31	15.56	21.05	27.18	34.45
PAU020L-B17A		-	5.79	9.11	13.16	18.08	25.51	32.61	41.03
PAU025L-B17A		-	7.44	11.72	16.95	23.33	32.46	41.7	52.66
PAU030L-B17A		-	8.68	13.67	19.74	27.11	37.58	48.2	60.79
PAU040L-B17A		-	10.89	16.85	24.06	32.77	45.67	58.4	73.49

— R407F Capacity 50Hz

Subcooling : 5K / Suction Superheat : 5K (kW)

Model	CT	Evaporating Temp (°C)							
		-45	-40	-35	-30	-25	-20	-15	-10
PAU003L-B17Z	+50°C	-	1.07	1.71	2.52	3.55	4.83	6.4	8.29
PAU005L-B17Z		-	1.46	2.36	3.52	5	6.84	9.08	11.8
PAU008L-B17Z		-	1.75	3.16	5.03	7.78	10.76	14.33	18.6
PAU010L-B17Z		-	1.74	3.3	5.38	8.39	11.84	16.01	20.98
PAU015L-B17Z		-	3.8	6.55	10.09	15.11	20.54	27.08	34.89
PAU020L-B17Z		-	4.78	7.99	12.1	18.09	24.37	31.93	40.93
PAU025L-B17Z		-	5.57	9.62	14.85	22.63	30.73	40.52	52.21
PAU030L-B17Z		-	7.35	12.28	18.48	26.3	35.6	46.84	60.27
PAU040L-B17Z		-	8.27	14.2	21.7	32.24	43.37	56.82	72.89

1. If you need capacity at other condition, contact our engineer or use selection program.

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Wide Evaporation temperature range -50°C to 20°C

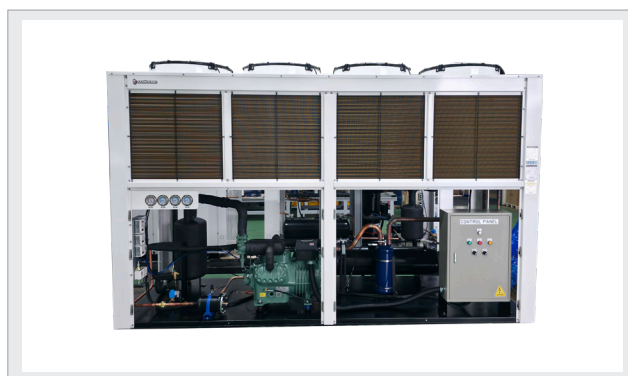
• PAU□□□F-B27B

Standard Specifications 50Hz

R404A / R507A

Model		008F-B27B	010F-B27B	015F-B27B	020F-B27B	025F-B27B	030F-B27B
Refrigerant		R404A / R507A					
Evap. Temp Range		-40 ℃ ~ -20 ℃					
Power Supply		Main : 380V x 3PH x 50Hz Control : 220V x 1PH x 50Hz					
Electric	Capacity	7.80 kW	12.16 kW	16.99 kW	19.55 kW	22.28 kW	26.30 kW
	Refrigeration Ton	2.46 RT	3.71 RT	4.50 RT	5.22 RT	5.98 RT	7.14 RT
	Power Consumption	6.90 kW	10.44 kW	14.68 kW	17.01 kW	19.53 kW	23.30 kW
	Current Consumption	11.57 A	17.94 A	24.20 A	28.00 A	32.40 A	39.10 A
Compressors	Model	S4N-8.2	S4G-12.2	S6J-16.2	S6H-20.2	S6G-25.2	S6F-30.2
	Nominal Output	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP
	Displacement m³/h	28.00 / 17.90	42.30 / 27.00	63.50 / 31.80	73.60 / 36.90	84.50 / 42.30	101.10 / 50.50
	Oil Quantity lit	3.0	4.5	4.75	4.57	4.75	4.7
	Crankcase Heater W	100	140	140	140	140	140
Condenser	Heat Exchanger	CROSS-TUBE & FIN					
	Air Flow	134 CMM	134 CMM	290 CMM	290 CMM	434 CMM	434 CMM
	Power x Pole kW x P	0.2 x 6	0.2 x 6	0.75 x 6	0.75 x 6	0.75 x 6	0.75 x 6
	Diameter x EA ø x EA	500 x 2	500 x 2	630 x 2	630 x 2	630 x 3	630 x 3
Receiver Capacity lit		8.4	13	27	43	51	51
Cond. Pressure Control		HPC					
Components		Oil Separator, Receiver, Filter Drier, Sight Glass, Accumulator, Gauge					
Protection		DPS, OPS, Internal Overload Protector					
Suction Line mm		28.58	34.92	41.28	41.28	41.28	41.28
Discharge Line mm		22.22	28.58	34.92	34.92	34.92	34.92
Liquid Line mm		15.88	15.88	22.22	22.22	22.22	22.22
Dimensions	Paint Color	N9.3					
	Length mm	1,550	1,550	1,840	1,840	2,320	2,320
	Width mm	720	720	903	903	903	903
	Height mm	1,418	1,468	1,657	1,808	1,808	1,908
Anchor Dimensions (mm)		1,233 x 747	1,233 x 747	1,530 x 930	1,530 x 930	2,002 x 930	2,002 x 930

※ Condensing Temp : +50°C ※ Evaporating Temp : -35°C ※ The specifications of this unit may be changed without notice to improve the performance of the product.



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Capacity Table / 2-Stage

Refrigeration capacity table 2-Stage Compressor

— R404A / R507A Capacity 50Hz - SUB-COOLER

SUB-COOLER Subcooling : 0K / Suction Superheat : 10K (kW)

Model	CT	Evaporating Temp (°C)					
		-50	-45	-40	-35	-30	-25
PAU005F-B27B		2.70	3.49	4.42	5.51	6.79	8.28
PAU008F-B27B		3.85	4.97	6.28	7.80	9.59	11.66
PAU010F-B27B		6.30	8.01	9.95	12.16	14.66	17.45
PAU015F-B27B	+50°C	8.94	11.28	13.95	16.99	20.43	24.30
PAU020F-B27B		10.32	13.01	16.07	19.55	23.48	27.89
PAU025F-B27B		11.79	14.85	18.33	22.28	26.74	31.75
PAU030F-B27B		14.01	17.61	21.68	26.30	31.53	37.39

— R22 Capacity 50Hz - SUB-COOLER

SUB-COOLER Subcooling : 0K / Suction Superheat : 10K (kW)

Model	CT	Evaporating Temp (°C)					
		-50	-40	-35	-30	-25	-20
PAU005F-B27B		-	3.88	4.94	6.15	7.53	9.08
PAU008F-B27B		-	5.55	7.09	8.82	10.77	12.96
PAU010F-B27B		-	8.38	10.71	13.33	16.27	19.58
PAU015F-B27B	+50°C	-	12.78	16.16	19.88	24.05	28.75
PAU020F-B27B		-	14.81	18.73	23.05	27.88	33.33
PAU025F-B27B		-	17.00	21.50	26.46	32.00	38.26
PAU030F-B27B		-	20.34	25.72	31.66	38.29	45.78

1. If you need capacity at other condition, contact our engineer or use selection program.