

PRODUCT GUIDE

ACU-SERIES

AIR COOLED



Air conditioning and Agricultural Food indirect System

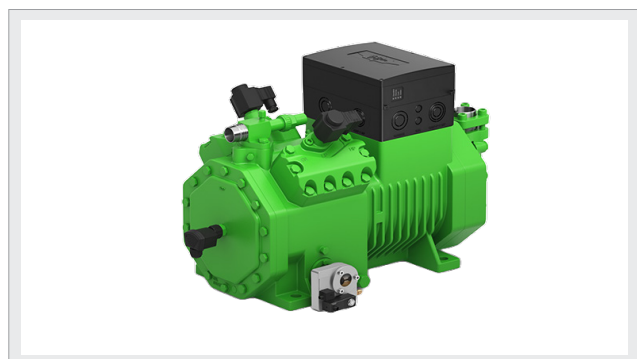
• ACU□□□M-B17B

Standard Specifications 50Hz

R404A / R507A

Model	005M-B17B	008M-B17B	010M-B17B	015M-B17B	020M-B17B	030M-B17B	040M-B17B	050M-B17B
Refrigerant	R404A / R507A							
Power Supply	Main : 380V x 3PH x 50Hz Control : 220V x 1PH x 50Hz							
Capacity	12.40 kW	18.46 kW	24.30 kW	33.60 kW	40.10 kW	59.80 kW	86.70 kW	105.20 kW
Refrigeration Ton	2.20 RT	3.27 RT	4.23 RT	5.91 RT	6.85 RT	10.30 RT	15.46 RT	18.48 RT
Electric	Power Consumption	4.98 kW	12.75 kW	9.37 kW	13.11 kW	15.59 kW	23.60 kW	43.30 kW
	Current Consumption	8.87 A	15.51 A	16.30 A	22.80 A	26.50 A	41.10 A	81.80 A
Compressors	Model	4FES-5	4DES-7	4VE-10	4PE-15	4NE-20	4GE-30	6GE-40
	Nominal Output	5 HP	7.5 HP	10 HP	15 HP	20 HP	30 HP	40 HP
	Displacement m ³ /h	18.05	26.84	34.73	48.50	56.25	84.50	126.80
	Oil Quantity lit	2.0	2.0	2.6	2.6	2.6	4.5	4.75
	Crankcase Heater W	120	120	120	120	120	140	140
Condenser	Heat Exchanger	CROSS-TUBE & FIN						
	Air Blower	Air Flow	78 CMM	134 CMM	134 CMM	290 CMM	290 CMM	434 CMM
		Power x Pole kW x P	0.10 x 6	0.20 x 6	0.20 x 6	0.75 x 6	0.75 x 6	0.75 x 6
		Diameter x EA ø x EA	400 x 2	500 x 2	500 x 2	630 x 2	630 x 2	630 x 3
Evaporator	Receiver Capacity lit	6.5	8.7	14.8	26	39	49	65
	Heat Exchanger	SHELL & TUBE						
	Cooling Water	36 LPM	53 LPM	70 LPM	96 LPM	115 LPM	171 LPM	249 LPM
	Cooling Pipe	40 A	40 A	40 A	40 A	40 A	50 A	65 A
Refrigerant Control		Expansion Valve						
Components		Oil Separator, Receiver, Filter Drier, Sight Glass, Accumulator, Gauge						
Protection		DPS, OPS, Internal Overload Protector						
Suction Line	mm	22.22	28.58	28.58	41.28	41.28	53.98	53.98
Discharge Line	mm	15.88	22.22	22.22	28.58	28.58	28.58	34.92
Liquid Line	mm	12.7	15.88	15.88	19.05	19.05	22.22	28.58
Dimensions	Paint Color	N9.3						
	Length	1,320	1,550	1,550	1,840	1,840	2,320	3,180
	Width	680	720	720	903	903	903	1,018
	Height	1,458	1,418	1,468	1,657	1,808	1,908	1,966
	Weight (kg)	-	-	-	-	-	-	-

※ Condensing Temp : +50℃ ※ Evaporating Temp : +2℃ ※ Suct. Gas Superheat : 10K ※ Standard specification condition >> Water Out Temp : +7℃ / Water In Temp : +12℃ [KSB6275]
 ※ The specifications of this unit may be changed without notice to improve the performance of the product



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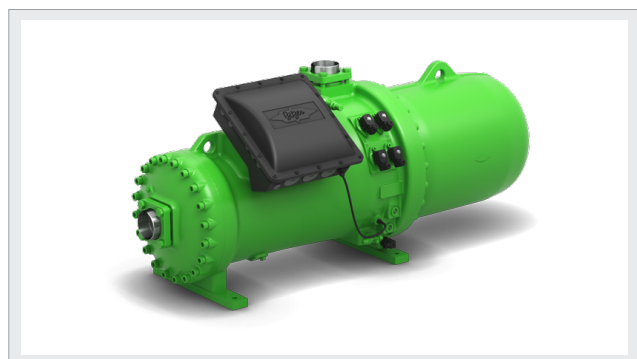
• ACU□□□M-BC7C

Standard Specifications 50Hz

R404A / R507A

Model	050M-BC7C	060M-BC7C	070M-BC7C	080M-BC7C	090M-BC7C	100M-BC7C
Refrigerant	R407C / R134a					
Power Supply	Main : 380V x 3PH x 50Hz Control : 220V x 1PH x 50Hz					
Capacity	94.2 kW	118.3 kW	136.9 kW	155.1 kW	180.8 kW	212.0 kW
Refrigeration Ton	13.97 RT	17.34 RT	20.10 RT	23.16 RT	26.32 RT	30.10 RT
Electric	Power Consumption	35.8 kW	44.4 kW	51.6 kW	57.7 kW	66.9 kW
	Current Consumption	61.2 A	75.1 A	86.4 A	96.8 A	108.7 A
Compressors	Model	CSH6553-50	CSH6563-60	CSH7553-70	CSH7563-80	CSH7573-90
	Nominal Output	50 HP	60 HP	70 HP	80 HP	90 HP
	Displacement m ³ /h	137	170	197	227	258
	Oil Quantity lit	9.5	9.5	15	15	15
	Operating con	86 A	108 A	128 A	144 A	162 A
	Locked Rotor	218 / 411 A	269 / 508 A	290 / 485 A	350 / 585 A	423 / 686 A
	Capacity Control	4-Step 100-75-50-25% (Standard) Infinite 100-25% (Standard)				
Condenser	Heat Exchanger	CROSS-TUBE & FIN				
	Air Flow	579 CMM	1086 CMM	1086 CMM	1,158 CMM	1,158 CMM
	Power x Pole kW x P	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	630 x 4	630 x 6	630 x 6	630 x 8	630 x 8
Evaporator	Receiver Capacity lit	120	120	220	220	220
	Heat Exchanger	SHELL & TUBE				
	Cooling Water	270 LPM	339 LPM	392 LPM	445 LPM	518 LPM
	Cooling Pipe	65 A	80 A	80 A	80 A	100 A
Refrigerant Control		Expansion Valve				
Components		Oil Separator, Receiver, Filter Drier, Sight Glass, Accumulator, Gauge				
Protection		DPS, Internal Overload Protector				
Suction Line	mm	53.98	53.98	79.38	79.38	79.38
Discharge Line	mm	41.28	41.28	53.98	53.98	53.98
Liquid Line	mm	28.58	28.58	28.58	34.92	34.92
Dimensions	Paint Color	N9.3				
	Length	2,110	2,680	2,680	3,370	3,370
	Width	1,950	1,950	1,950	1,950	1,950
	Height	2,115	2,115	2,260	2,260	2,260
Weight (kg)		2,015 x 1,850	2,585 x 1,850	2,585 x 1,850	3,275 x 1,850	3,275 x 1,850

※ Condensing Temp : +50℃ ※ Evaporating Temp : +2℃ ※ Suct. Gas Superheat : 10K ※ Standard specification condition >> Water Out Temp : +7℃ / Water In Temp : +12℃ [KS86275]
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ACU- SERIES AIR COOLED



Air conditioning and Agricultural Food indirect System

· ACU□□□M-F17B

Standard Specifications 50Hz (ECO except)

R404A / R507A

Model	040M-F17B	050M-F17B	060M-F17B	070M-F17B	080M-F17B	090M-F17B	100M-F17B
Refrigerant	R404A / R507A						
Power Supply	Main : 380V x 3PH x 50Hz Control : 220V x 1PH x 50Hz						
Capacity	96.3 kW	122.6 kW	140.5 kW	155.7 kW	194.3 kW	229.0 kW	248.3 kW
Refrigeration Ton	16.46 RT	20.97 RT	23.65 RT	26.21 RT	32.68 RT	38.53 RT	40.36 RT
Electric	Power Consumption	34.8 kW	43.9 kW	49.0 kW	54.4 kW	66.7 kW	83.8 kW
	Current Consumption	57.9 A	73.0 A	81.4 A	89.7 A	113.6 A	140.4 A
Compressors	Model	BSR213	BSR216	BSR311S	BSR311	BSR314	BSR316
	Nominal Output	40 HP	50 HP	60 HP	70 HP	80 HP	90 HP
	Displacement m ³ /h	135	172	194	215	268	316
	Oil Quantity lit	11	11	13	13	13	17
	Capacity Control	25% (Starting) 100-75-50% (Standard) or 100-25% (Infinite)					
Condenser	Heat Exchanger	CROSS-TUBE & FIN					
	Air Flow	724 CMM	1,086 CMM	1,086 CMM	1,086 CMM	1,086 CMM	1,448 CMM
	Power x Pole kW x P	0.75 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	630 x 4	630 x 6	630 x 6	630 x 6	630 x 8	630 x 10
	Receiver Capacity lit	65	120	120	120	120	220
Evaporator	Heat Exchanger	SHELL & TUBE					
	Cooling Water	276 LPM	351 LPM	403 LPM	446 LPM	557 LPM	656 LPM
	Cooling Pipe	65 A	80 A	100 A	80 A	100 A	100 A
	Refrigerant Control	Expansion Valve					
	Protection	DPS, Internal Overload Protector					
	Suction Line mm	66.68	66.68	79.38	79.38	79.38	79.38
	Discharge Line mm	41.28	41.28	66.68	66.68	66.68	66.68
	Liquid Line mm	28.58	28.58	28.58	28.58	34.92	34.92
Dimensions	Paint Color	N9.3					
	Length mm	3,180	2,680	2,680	2,680	2,680	3,370
	Width mm	1,018	1,950	1,950	1,950	1,950	1,950
	Height mm	2,160	2,115	2,115	2,115	2,260	2,260
	Weight (kg)	2,858 x 1,045	2,585 x 1,850	2,585 x 1,850	2,585 x 1,850	2,585 x 1,850	3,275 x 1,850
		4,060 x 1,850					

※ Standard specification conditions >> Cooling Water OUT Temp : +7°C Cooling Water IN Temp : +12°C [KSB6275]

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