

Nominal Capacity and Nominal Input					ZHBW056A0 [HM051M.U43]	ZHBW076A0 [HM071M.U43]	ZHBW096A0 [HM091M.U43]	
Capacity	Cooling	Outdoor Temp ( °C) DB / WB	Leaving Waer Tempo ( °C)	-	5,50	7,00	9,00	
		35 / 24	18	kW	5,50	7,00	9,00	
	Heating	7 / 6	35	kW	5,50	7,00	9,00	
		7 / 6	55	kW	5,50	5,50	5,50	
Power Input	Cooling	2 / 1	35	kW	3,30	4,20	5,40	
		35 / 24	18	kW	1,20	1,56	2,14	
	Heating	35 / 24	7	kW	1,96	2,59	3,46	
		7 / 6	35	kW	1,22	1,56	2,15	
EER	Cooling	7 / 6	55	kW	2,04	2,04	2,04	
		2 / 1	35	kW	0,94	1,20	1,54	
	Heating	35 / 24	18	W/W	4,60	4,50	4,20	
		35 / 24	7	W/W	2,80	2,70	2,60	
COP	Heating	7 / 6	35	W/W	4,50	4,50	4,18	
		7 / 6	55	W/W	2,70	2,70	2,70	
	2 / 1	35	W/W	3,52	3,51	3,50		
	SCOP (Low temp. Average)					4,45	4,45	4,45
SCOP (High temp. Average)					3,12	3,12	3,12	
<b>Technical Specifications</b>					<b>ZHBW056A0 [HM051M.U43]</b>	<b>ZHBW076A0 [HM071M.U43]</b>	<b>ZHBW096A0 [HM091M.U43]</b>	
Water Side	Operation Range (Leaving Water Temperature)	Cooling	Min. ~ Max.	°C DB	5 ~ 27	5 ~ 27	5 ~ 27	
		Heating	Min. ~ Max.	°C DB	15 ~ 65	15 ~ 65	15 ~ 65	
		DHW	Min. ~ Max.	°C DB	15 ~ 80	15 ~ 80	15 ~ 80	
	Water Pump	Type			-	Canned type for hot water circulation	Canned type for hot water circulation	Canned type for hot water circulation
		Model				UPM3K 20-75 CHBL	UPM3K 20-75 CHBL	UPM3K 20-75 CHBL
		Motor Type				BLDC	BLDC	BLDC
		Steps of Pumping speed				Variable speed 10% to 100%	Variable speed 10% to 100%	Variable speed 10% to 100%
		Power input	Min. / Rated	W		6 / 60	6 / 60	6 / 60
		Water Flow Rate	Min. / Rated	l/min		2,3 / 25,9	2,3 / 25,9	2,3 / 25,9
	Heat Exchanger	Type				Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX
		Quantity				1	1	1
		Number of Plate			EA	54	54	54
		Water Volume			l	3	3	3
		Water Flow Rate	Min. ~ Max.	l/min		13 ~ 70	13 ~ 70	13 ~ 70
	Expansion Vessel	Volume			Max.	l	8	8
		Water pressure			Max.	bar	3	3
		Water pressure			Pre-charged	bar	1	1
	Piping Connections	Inlet				mm	Male PT 25(1)	Male PT 25(1)
		Outlet				mm	Male PT 25(1)	Male PT 25(1)
	Strainer	Mesh size				-	28 mesh	28 mesh
Material					-	Stainless Steel	Stainless Steel	
Safety Valve	Pressure Limit	Upper Limit	bar		3,0	3,0	3,0	
Devices for Water Circuit					-	Relief valve / Flow Switch	Relief valve / Flow Switch	
					-	Drain hose / Shut Off Valve	Drain hose / Shut Off Valve	
					-	Pressure gauge / Air vent	Pressure gauge / Air vent	
Refrigerant Side	Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C DB	5 ~ 48	5 ~ 48	5 ~ 48	
		Heating	Min. ~ Max.	°C DB	-25 ~ 35	-25 ~ 35	-25 ~ 35	
	Compressor	Type				-	Hermetic Motor Compressor	Hermetic Motor Compressor
		Model			Model x No.	RJB036MAA x 1	RJB036MAA x 1	RJB036MAA x 1
		Motor Type				Scroll	Scroll	Scroll
		Displacement			cm3/Rev.	31,6	31,6	31,6
	Refrigerant	Type				-	R32	R32
		GWP (Global Warming Potential)				-	675,0	675,0
		Precharged Amount			g	2,400	2,400	2,400
		t-CO2 eq.				-	1,620	1,620
	Refrigerant Oil	Control				-	Electronic Expansion Valve	Electronic Expansion Valve
		Type				-	FW68D	FW68D
	Fan	Charged Volume			cc x No.	1.000	1.000	1.000
		Type				-	Propeller	Propeller
Air Flow Rate		Rated	m3/min x No.		60,0 x 1	60,0 x 2	60,0 x 2	
Fan Motor	Type				-	BLDC	BLDC	
	Output			W x No.	124 x 1	124 x 2	124 x 2	
<b>Electrical Specifications</b>					<b>ZHBW056A0 [HM051M.U43]</b>	<b>ZHBW076A0 [HM071M.U43]</b>	<b>ZHBW096A0 [HM091M.U43]</b>	
Power Supply				V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	
Circuit Breaker				A	45	45	45	
Maximum Running Current	Cooling			A	42,0	42,0	42,0	
	Heating			A	42,0	42,0	42,0	
Wiring Connections	Power Supply Cable (included Earth)			No x mm2	3 x 6,0 (H07RN-F)	3 x 6,0 (H07RN-F)	3 x 6,0 (H07RN-F)	
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Sound Power Level	Heating	Max.	dB(A)		60	60	60	
Dimensions	Unit	W x H x D	mm		1,239 x 1,450 x 390	1,239 x 1,450 x 390	1,239 x 1,450 x 390	
	Packed Unit	W x H x D	mm		1,364 x 1,602 x 461	1,364 x 1,602 x 461	1,364 x 1,602 x 461	
Weight	Unit			kg	130,0	130,0	130,0	
	Packed Unit			kg	145,0	145,0	145,0	