

Water cooled scroll chiller

EWWP-KBW1N



Scroll compressor

- › One of the most compact units on the market: 600mmx600mmx600mm
- › Standard integrated: main switch, water filter, flow switch, air purge, pressure ports
- › Low operating sound level
- › Water/water heat pump, with water reversibility
- › Compatible with hydraulic module EHMC

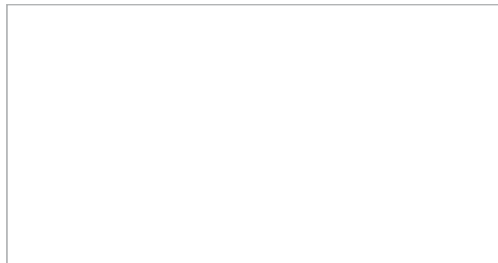
EWWP-KBW1N



Heating only & Cooling only				EWWP-KBW1N																					
				014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195				
Cooling capacity	Nom.	kW		12.9	21.4	27.8	32.3	42.8	55.7	64.7	85.7	98.6	112	121	130	141	154	167	176	185	194				
Heating capacity	Nom.	kW		16.7	27.5	35.6	41.5	55.0	71.7	83.0	110	127	143	155	166	182	198	215	226	237	249				
Power input	Cooling	Nom.	kW	3.75	6.13	7.85	9.12	12.2	16.0	18.2	24.2	28.0	31.9	34.0	36.2	40.2	43.9	47.7	49.8	52.0	54.1				
	Heating	Nom.	kW	3.75	6.13	7.85	9.12	12.2	16.0	18.2	24.2	28.0	31.9	34.0	36.2	40.2	43.9	47.7	49.8	52.0	54.1				
Capacity steps number				1				2				4				6									
EER				3.44	3.49	3.54		3.51	3.48	3.55	3.54	3.52	3.51	3.56	3.59	3.51		3.50	3.53	3.56	3.59				
COP				4.45	4.49	4.54	4.55	4.51	4.48	4.56	4.55	4.54	4.48	4.56	4.59	4.53	4.51	4.54	4.56	4.60	4.60				
Dimensions	Unit	Height	mm	600								1,200				1,800									
		Width	mm	600											1,200										
		Depth	mm	600				1,200																	
Weight	Unit	kg		118	155	165	172	300	320	334	600	620	640	654	668	920	940	960	974	988	1,002				
Water heat exchanger - evaporator	Type	Brazed plate																							
	Minimum water volume in the system	l	62	103	134	155	205	268	311	205	268		311		205		268		311						
	Water flow rate	Nom.	l/min	37	61	80	93	123	160	185	246	283	321	347	373	404	441	479	505	530	556				
	Model	Quantity	1								2														
Compressor	Type	Hermetically sealed scroll compressor																							
	Quantity	1				2				4	2	4	2	4				6	4	6					
Compressor 2	Quantity	-											2	-	2	-	2	-	2	-	2	-			
Sound power level	Cooling	Nom.	dB(A)	64		71		67		74		71		75		77		73		76		78		79	
Operation range	Evaporator	Cooling	Min.	°CDB											-10										
		Max.	°CDB											20											
	Condenser	Cooling	Min.	°CDB											20										
		Max.	°CDB											55											
Refrigerant	Type/GWP	R-407C/1,773.9																							
	Control	Thermostatic expansion valve																							
	Circuits	Quantity	1				2				4				6										
Refrigerant charge	Per circuit	kg	1.2	2.0	2.5	3.1	2.3	2.8	2.3		2.6	2.8	2.3		2.5	2.6	2.8								
	Per circuit	TCO ₂ Eq	2.1	3.5	4.4	5.5	3.5	5.0	4.0		4.6	5.0	4.1		4.4	3.5	5.0								
Piping connections	Evaporator water inlet/outlet (OD)	FBSP 25mm				FBSP 40mm				2 x 2 x FBSP 38mm				3 x 2 x FBSP 38mm											
	Evaporator water drain	Field installation																							
	Condenser water inlet/outlet (OD)	FBSP 25mm				FBSP 40mm				2 x 2 x FBSP 38mm				3 x 2 x FBSP 38mm											
Unit	Maximum starting current	A	-											121	155	163	185	189	183	191	199	221	225	229	
	Nominal running current (RLA)	Cooling	A	6.6	10.4	13.1	15.0	20.8	26.2	30	41.6	47	52.4	56.2	60	67.8	73.2	78.6	82.4	86.2	90				
	Maximum running current	A	9	14.5	18.5	22	28	36	40	56	64	72	76	80	92	100	108	112	116	120	120				
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/400																						

Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

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