HEATING · COOLING · HOT WATER

R32 SmartHeat Heat Pump



Key Features

3-IN-1 COMFORT
Heating, cooling and domestic hot water.

EVI INVERTER
Full DC inverter technology.

COLD-CLIMATE OPERATION
Outdoor operation down to -30°C.

UP TO 60°C WATER
Water outlet temperatures up to 60 °C.

Find the right Heat Pump for your home.

Contact us for model selection and system requirements.

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SMARTHEAT / MODEL COMPARISON

A1 Range

R32 multifunctional heat pumps. Heating, cooling and installation data.

5 MODELS **R32 REFRIGERANT** MMHP SERIES

SPECIFICATION	UNIT	MMHP-012A1	MMHP-015A1	MMHP-018A1	MMHP-024A1	MMHP-031A1
HEATING / 35°C at Air 7°C | Water 30°C in / 35°C out						
Heating capacity	kW	4.6-12.8	5.2-16.8	6.8-20.5	10.8-24.5	14.5-36.3
Power input	kW	0.8-3.9	1.0-5.1	1.5-5.9	1.5-5.57	3.8-7.6
COP	-	4.31	4.26	4.21	4.42	4.2
HEATING / 55°C at Air 7°C | Water 50°C in / 55°C out						
Heating capacity	kW	4.7-12.9	5.3-16.8	6.9-20.8	11-26.5	14.7-36.6
Power input	kW	1.4-5.1	1.3-6.7	2.0-7.7	2.2-8.86	4.9-9.9
COP	-	3.3	3.32	3.65	3.71	3.52
COOLING / 7°C at Air 35°C | Water 12°C in / 7°C out						
Cooling capacity	kW	2.6-9.1	3.6-11.5	4.2-16.8	5-18.5	6.2-24.5
Power input	kW	1.9-4.7	2.0-7.8	2.8-8.9	2.1-6.25	5.1-11.4
EER	-	2.77	2.86	2.98	2.95	2.96
EFFICIENCY						
SCOP (35°C)	-			A++		
SCOP (55°C)	-			A++		
SYSTEM & ELECTRICAL						
Power supply	V/ph/Hz	220V/1/50Hz	220V/1/50Hz	220V/1/50Hz	380V/3/50Hz	380V/3/50Hz
Maximum power input	kW	5.3	7.5	6.8	11.5	12.8
Maximum current	A	22	34	32	20	26
Compressor	-	GMCC	GMCC	Panosonic	Panosonic	Panosonic
Refrigerant / charge (kg) / GWP	-	R32 / 1.6 / 675	R32 / 3.2 / 675	R32 / 3.2 / 675	R32 / 5.0 / 675	R32 / 6.8 / 675
Water flow	m^3/h	2.05	2.55	3.1	4	5.5
INSTALLATION & DIMENSIONS						
Unit dimensions (L x W x H)	mm	1005 × 375 × 800	1025 × 380 × 1320	1077 × 377 × 1460	1127 × 427 × 1560	1127 × 427 × 1560
Package dimensions	-	1080 × 455 × 955	1045 × 420 × 1440	1150 × 460 × 1520	1200 × 500 × 1620	1200 × 500 × 1620
Net weight	kg	75	130	152	160	200
Weight	kg	75/85	124/140	147/165	160/178	200/218
Water pipe connection	-	DN25	DN25	DN32	DN32	DN40

SMARTHEAT / MODEL COMPARISON

B1 Range

B1 and B2 models. Heating, cooling and installation data.

7 MODELS **R32 REFRIGERANT** MMHP SERIES

SPECIFICATION	UNIT	MMHP-008B1	MMHP-012B1	MMHP-016B1	MMHP-016B2	MMHP-020B1	MMHP-020B2	MMHP-026B2
HEATING / 35°C at A7/6°C | W30/35°C								
Heating capacity	kW	2.50-8.3	4.20-12.2	5.30-16.50	5.30-16.50	6.20-20.5	6.20-20.5	6.50-26.1
Power input	kW	0.57-1.92	0.86-2.88	1.15-4.15	1.15-4.15	1.36-5.28	1.36-5.28	1.78-6.45
COP	W/W	4.68	4.55	4.60	4.60	4.58	4.58	4.55
HEATING / 55°C at A7/6°C | W47/55°C								
Heating capacity	kW	2.30-7.62	3.85-11.2	4.90-15.10	4.90-15.10	6.30-19.90	6.30-19.90	6.9-26.1
Power input	kW	0.75-2.61	1.13-3.75	1.65-5.25	1.65-5.25	1.65-6.82	1.65-6.82	1.95-8.55
COP	W/W	3.13	3.06	3.15	3.15	3.10	3.10	3.05
COOLING / 7°C at A35/24°C | W12/7°C								
Cooling capacity	kW	1.80-7.10	2.6-10.3	4.50-13.50	4.50-13.50	5.50-17.50	5.50-17.50	5.2-21.3
Power input	kW	0.61-2.43	0.91-3.65	1.45-4.85	1.45-4.85	1.65-6.25	1.65-6.25	1.95-8.20
EER	W/W	3.16	3.14	3.19	3.19	3.15	3.15	3.10
EFFICIENCY								
ErP level (35°C)	-	A+++						
ErP level (55°C)	-	A++						
SYSTEM & ELECTRICAL								
Rated input power	kW	2.71	3.83	6.20	6.20	7.50	7.50	10.00
Rated input current	A	12.00	17.00	27.51	10.50	35.00	13.00	17.00
Compressor	-	Panasonic / Rotary						
Water pump	-	Grundfos		SHIMGE				
Defrost	-	Auto defrost with 4-way valve						
Waterproof grade	-	IPX4						
INSTALLATION & DIMENSIONS								
Rated water flow	m^3/h	1.10	1.75	2.52	2.52	3.20	3.20	4.12
Refrigerant / charge	kg	R32 / 1.25	R32 / 1.8	R32 / 2.8	R32 / 2.8	R32 / 3.5	R32 / 3.5	R32 / 3.5
Sound pressure	dB(A)	50.00	52.00	55.00	55.00	56.00	56.00	58.00
Max. water outlet temp.	°C	60.00						
Water connection	-	DN25 (1")	DN25 (1")	DN32 (1-1/4")	DN32 (1-1/4")	DN40 (1-1/2")	DN40 (1-1/2")	DN40 (1-1/2")
Drainage valve	mm	15.00						
Package dimensions	mm	1150 × 500 x 1000	1150 × 500 x 1000	1160 × 565 x 100	1160 × 565 x 1000	1160 × 500 x 1600	1160 × 500 x 1600	1160 × 500 x 1600
Net / gross weight	kg	102 / 114	107 / 119	124 / 136	124 / 136	151 / 163	151 / 163	160 / 172