Technical data

Yutaki M

Model		YUTAKI M 4.3kW	YUTAKI M 8kW	YUTAKI M 11kW	YUTAKI M 12kW	YUTAKI M 13kW	YUTAKI M 16kW
Performance, heating							
Min./nom./max. heating capacity (A7/W35)	kW	1.83 / 4.3 / 6.5	2.1 / 8 / 11	4.3 / 11 / 14	4.8 / 12 / 15	5.5 / 13 / 16	6 / 16 / 18
Nom./max. heating capacity (A-7/W35)	kW	4.5 / 5.3	5.8 / 7.5	11 / 11	12 / 12.5	13 / 14	16 / 16
Nom./max. heating capacity (A-7/W55)	kW	4 / 4.2	5 / 5.5	11 / 11	12 / 12	13 / 13	16 / 16
COP (A7/W35) according to EN14511	kW	5.25	4.6	4.7	4.5	4.5	4.42
SCOP average climate according to EN14825 (35°C) 1~/3~	kW	4.5	4.6	4.45 / 4.24	4.45 / 4.13	4.45 / 4.15	- / 3,97
SCOP average climate according to EN14826 (55°C) 1~/3~	-	3.2	3.4	3.38 / 3.21	3.40 / 3.26	3.41 / 3.28	- / 3,21
Seasonal heating energy efficiency ηs (35°C) 1~/3~	-	181	177	175 / 166	175 / 162	175 / 163	156
Seasonal heating energy efficiency ηs (55°C) 1~/3~	%	133	125	132 / 125	133 / 127	133 / 128	125
Energy class 35°C 1~/3~	%	A+++		A+++ / A++		A++	
Energy class 55°C 1~/3~	-	A++		A++ / A++		A++	
Water outlet temperature range (heating mode)	°C	20 / 60°C		20 / 60°C			
Max. water temperature outlet in thermodynamic mode only	°C	60°C down to -5°C outside		60°C down to -10°C outside			
Cooling performances (optional) (preliminary data)							
Nom./max. cooling capacity (A35/W7)	kW	4 / 5	6.5 / 7	11 / 12	12 / 13	13 / 14.7	14 / 16
EER 1~/3~	-	4	3.35	3.37 / 3.32	3.30	3.22	3.16
Nom./max. cooling capacity (A35/W18)	kW	5.5 / 6.4	7 / 9	11 / 15	12 / 16	14 / 17	15 / 18
EER 1~/3~	-	5.4	5	4.82 / 5.04	4.71	4.65	4.60

OUTDOOR UNITS		RASM-2VRE	RASM-3VRE	RASM-4(V)R1E	RASM-5(V)R1E	RASM-6(V)R1E	RASM-7R1E
Electric backup heater (optional)	kW	6 (3 steps)		6 (3 steps)			
Net weight	kg	76	78	130	138	138	138
Dimensions (H x W x D)	mm	704 x 1248 x 300		1515 x 1252 x 370			
Sound pressure level at 1m / Sound power level in Heating mode	dB(A)	61	64	61	63	63	65
Air flow rate	m3/h	2526	2982	7920	8280	8280	8640
Operating ranges in Cooling / Heating / DHW mode	°C	+10~+46 / -20~+25 / -20~35		+10~+46 / -25~+25 / -25~35			
Remote control	-	PC-ARFH1E		PC-ARFH2E			
Hydraulic data							
Expansion vessel	L	5		6			
Water flow (min./nom./max.)	m3/h	0.5 / 0.77 / 1.9	0.6 / 1.29 / 2.1	1.6 / 1.89 / 2.8	1.1 / 2.06 / 3	1.2 / 2.24 / 3	1.2 / 2.75 / 3
Shutdown valves (male/male valves - field supplied)	inches	1"		1"1/4			
Min. installation water volume	L	28		50	55	55	65
Electrical features							
Power supply	-	230V / 1ph / 50Hz		230V / 1ph / 50Hz or 400V / 3ph / 50Hz			400V / 3ph / 50Hz
1~ 230V – Max. current	A	10.6	16	28.8			
1~ 230V – Cable width (mm²) / max. length (m)	-		2 x 4 + GND	2 x 6 + GND			
1~ 230V – Max. current with tank element / Yutaki M Option	A	23.1	28.5	41.3			
1~ 230V – Cable width (mm²) / max. length (m)	-	2 x 6 + GND		2 x 6 + GND			2 x 10 + GND
3~400V – Max. current	A	16.3					
3~400V – Cable width (mm²) / max. length (m) (1)	-	4 x 4 + GND					
3~400V – Max. current with tank element / Yutaki M Option	A	28.8					
3~400V – Cable width (mm²) / max. length (m) (1)	-	4 x 6 + GND					
Refrigerant data							
Refrigerant charge	kg	1.2	1.3	2.6	3	3	3
Refrigerant	-	R32					
Compressor		SCROLL	ROTARY	TWIN-ROTARY			

(1)Data given for reference purposes only. Compliant with the applicable electrical standards. (V) = mono.

Begreen (Wales) Ltd

Unit 12, Haverfordwest Business Centre, Merlin's Court, Winch Lane, Haverfordwest, SA61 1SB

Tel: 01437 765111

Email: sales@begreenwales.co.uk

Website: www.begreenwales.co.uk