



AquaSnap® 30AWH-M

For residential and light commercial applications

MONOBLOC AIR-TO-WATER HEAT PUMP

WITH R32 REFRIGERANT



MONOBLOC AIR-TO-WATER HEAT PUMP - R32 - 30AWH-M

AquaSnap 30AWH-M

THE 30AWH-M MONOBLOC AIR-TO-WATER HEAT PUMP IS DESIGNED FOR HEATING, COOLING AND DOMESTIC HOT WATER APPLICATIONS IN NEW AND EXISTING INDIVIDUAL HOMES AND SMALL BUSINESSES.

The range is compatible with low to medium temperature emitters (underfloor heating, fan coil units, water cassettes, radiators, mixed installations, etc.).

The 30AWH-M heat pump is also compatible with medium to high temperature emitters for boiler back-up operation. The 30AWH-M heat pump is installed outdoors in an open area, ideally as close as possible to the boiler room.



AQUASNAP®



Wide range offer

The 30AWH-M range of reversible heat pumps comprises 10 models, from 4 kW to 16 kW.



Low carbon footprint

Refrigerant R32 (GWP=675) helps protect the environment and preserve HFC quotas.



Stable operating condition

High leaving water temperature of max, 65°C or 60°C @ -15°C outside air temperature.



Powerful performance

with high efficiency: Energy class A+++ (35°C) or A++ (55°C) ensuring high heating power at less energy consumption.



Silent operation

for comfort home.



Cascaded system

Multiple units (up to 6) can be linked together to efficiently meet the peak heat demand.



Certified performance

from 3rd party according to Ecodesign requirements (HP Keymark).

**ONE RANGE,
MANY APPLICATIONS**



Individual
Housing



Collective
Housing



Light
Commercial

MONOBLOC AIR-TO-WATER HEAT PUMP - R32 - 30AWH-M

TECHNICAL DATAS

30AWH 04M-16M				4R	6R	8R	10R	12R	14R	16R	12R (3ph)	14R (3ph)	16R (3ph)
HEATING													
Standard unit Full load performances*	HA1	Nominal capacity	kW	4,20	6,35	8,40	10,00	12,10	14,50	15,90	12,10	14,50	15,90
		COP	kW/kW	5,10	4,95	5,15	4,95	4,95	4,60	4,50	4,95	4,60	4,50
	HA2	Nominal capacity	kW	4,30	6,30	8,10	10,00	12,30	14,10	16,00	12,30	14,10	16,00
		COP	kW/kW	3,80	3,70	3,85	3,75	3,70	3,60	3,50	3,70	3,60	3,50
	HA3	Nominal capacity	kW	4,40	6,00	7,50	9,50	11,90	13,80	16,00	11,90	13,80	16,00
		COP	kW/kW	2,95	2,95	3,18	3,10	3,05	2,95	2,85	3,05	2,95	2,85
Standard unit Seasonal energy efficiency **	HA1	SCOP 30/35 °C	kWh/kWh	4,85	4,95	5,21	5,19	4,81	4,72	4,62	4,81	4,72	4,62
		ηs heat 30/35 °C	%	191	195	205	204	189	186	182	189	186	182
		Energy labelling		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	HA3	SCOP 47/55 °C	kWh/kWh	3,31	3,52	3,36	3,49	3,45	3,47	3,41	3,45	3,47	3,41
		ηs heat 47/55 °C	%	130	139	132	137	136	137	134	136	137	134
		Energy labelling		A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
COOLING													
Standard unit Full load performances (*)	CA1	Nominal capacity	kW	4,70	7,00	7,45	8,20	11,50	12,40	14,00	11,50	12,40	14,00
		EER	kW/kW	3,45	3,00	3,35	3,25	2,75	2,50	2,50	2,75	2,50	2,50
	CA2	Nominal capacity	kW	4,50	6,50	8,30	9,90	12,00	13,50	14,20	12,00	13,50	14,20
		EER	kW/kW	5,50	4,80	5,05	4,55	3,95	3,61	3,61	3,95	3,61	3,61
Standard unit Seasonal energy efficiency**	SEER 12/7 °C Comfort low temp.		kWh/kWh	4,99	5,34	5,83	5,98	4,89	4,86	4,69	4,86	4,83	4,67
	ηs cool 12/7 °C		%	196	210	230	235	193	191	185	191	190	184
SOUND LEVELS													
Standard unit													
Sound power level ⁽²⁾			dB(A)	55	58	59	60	65	65	68	65	65	68
Sound pressure level at 1 m ⁽³⁾			dB(A)	45	48	49	51	53	54	58	54	54	58
DIMENSIONS													
Length			mm	1295	1295	1385	1385	1385	1385	1385	1385	1385	1385
Width			mm	426	426	523	523	523	523	523	523	523	523
Height			mm	718	718	865	865	865	865	865	865	865	865
OPERATING WEIGHT ⁽¹⁾													
Standard unit			kg	86	86	105	105	129	129	129	144	144	144
Compressors			DC Twin-rotary	1	1	1	1	1	1	1	1	1	1
Refrigerant				R32									
Charge			kg	1,4	1,4	1,4	1,4	1,75	1,75	1,75	1,75	1,75	1,75
Condenser													
Copper				Grooved copper tubes									
Fin type				Hydrophilic aluminium foil									

* In accordance with standard EN14511

** In accordance with standard EN14825, average climate

HA1 Heating mode conditions: Water heat exchanger water entering/leaving temperature 30°C/35°C, outside air temperature tdb/twb = 7°C db/6°C wb

HA2 Heating mode conditions: Water heat exchanger water entering/leaving temperature 40°C/45°C, outside air temperature tdb/twb = 7°C db/6°C wb

HA3 Heating mode conditions: Water heat exchanger water entering/leaving temperature 47°C/55°C, outside air temperature tdb/twb = 7°C db/6°C wb

CA1 Cooling mode conditions: evaporator water inlet/outlet temperature 12 °C/7 °C, outdoor air temperature 35 °C

CA2 Cooling mode conditions: evaporator water inlet/outlet temperature 23 °C/18 °C, outdoor air temperature 35 °C

ηs heat 30/35 °C & SCOP 30/35 °C Values calculated in accordance with standard EN14825

ηs heat 47/55 °C & SCOP 47/55 °C Values in bold comply with Ecodesign Regulation (EU) No. 813/2013 for heating application

ηs cool 12/7 °C & SEER 12/7 °C Values calculated in accordance with standard EN14825

(1) Values are guidelines only. Refer to the unit nameplate

(2) Sound power measured according to the EN12102, under conditions of the EN14825

(3) In dB as maximum value tested under the condition (outdoor air temperature 7°C db, 85% R.H., water entering/ leaving temperature 47°C/ 55°C. Sound pressure level is measured at

a position 1m in front of the unit and (1H)/2m (where H is the height of the unit) above the floor in a semi-anechoic chamber

All specifications listed above are preliminary datas, and are subject to change. Please contact your sales representative to get latest data available.



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