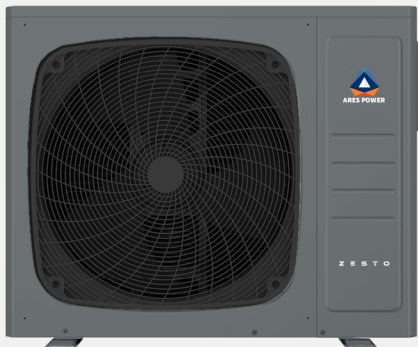




Heat Pumps

MB3 Series

- Wide heating operation range (5kW: ambient temperature: $-25-35^{\circ}\text{C}$)
- Eco-friendly R32
- Full DC inverter technology
- 5kW unit COP at 35°C leaving water temperature reaches 5.05
- Max 60°C hot water (5kW)
- Built-in flow switch, safety valve for easy installation



Model MB3 5/6kW

M305V3



Model MB3 7/8kW

M308V3



Model MB3 11-16kW

M311SV3 - M316SV3

Features



Turbo mode



Auxiliary heating source



Modbus



Anti-freezing



Eco-friendly Refrigerant R32

Specifications

Model			M305V3	M308V3	M311SV3	M316SV3
Heating (LWT 35°C/OAT 7°C) Power input kW	Capacity	kW	5.00	7.80	11.00	16.00
	Power Input	kW	0.99	1.77	2.61	3.86
	COP	-	5.05	4.40	4.22	4.15
Heating (LWT 55°C/OAT 7°C) Power input	Capacity	kW	5.00	7.01	9.99	14.01
	Power Input	kW	1.64	2.76	4.40	5.63
	COP	-	3.05	2.54	2.27	2.49
Space heating average climate water outlet 35°C	SCOP	-	4.59	3.87	4.35	4.00
	Energy class	-	A+++	A++	A++	A++
Space heating average climate water outlet 55°C	SCOP	-	3.32	2.90	3.30	3.09
	Energy class	-	A++	A+	A++	A+
Cooling (LWT 18°C/OAT 35°C) Power input	Capacity	kW	5.00	7.00	13.50	16.00
	Power Input	kW	1.00	1.89	2.94	3.64
	EER	-	5.00	3.70	4.60	4.40
Cooling (LWT 7°C/OAT 35°C) Power input	Capacity	kW	5.00	5.50	11.50	14.50
	Power Input	kW	1.56	2.34	3.83	4.92
	EER	-	3.20	2.35	3.00	2.95
Outdoor operating temperature range	Heating	°C	-25-35	-20-35	-20-35	-20-35
	Cooling	°C	10-46	10-46	10-46	10-46
Leaving water temperature range	Heating	°C	25-60	25-55	25-55	25-55
	Cooling	°C	5-20	5-20	5-20	5-20
Water flow rate		L/min	14.3	23.0	31.5	45.8
Water pipe connection	Inlet/Outlet	°C	RC 3/4"	RC 1"	RC 1"	RC 1"
Compressor	Quantity	-	1		1	
	Type	-	DC inverter twin rotary		DC inverter twin rotary	
Refrigerant		-	R32		R32	
		kg/T	1.00 / 0.675	1.15 / 0.777	2.40 / 1.620	2.60 / 1.755
Net dimension	(HxWxD)	mm	765X920X372	965X950X370	1500X950X370	1500X950X370
Packing dimension	(HxWxD)	mm	875X1045X488	1108X1010X480	1638X1010X480	1638X1010X480
Net/Gross weight		kg	69/80	87/97	145/157	145/147
Sound power level		dB	61	64	67	68
Power supply		-V/Hz	1,220-240.50/60	1,220-240,50/60	1,220-240.50/60	1,220-240,50/60
Max running current		A	13.5	21.3	24.3	31.7
Recommended circuit breaker		A	30	32	32	40
Accessories	Wired controller	/	WC3-E27A (Standard)	WC3-E27A (Standard)	WC3-E27A (Standard)	WC3-E27A (Standard)
	DHW PCB	/	ATW-A01 (Optional)		ATW-A01 (Optional)	
	Filter	/	Standard		Standard	