

Specifications

Set			MDV-AiO-4A1/190	MDV-AiO-4A1/240	MDV-AiO-6A1/190
Outdoor unit			AHPS-V4W/D2N8-B	AHPS-V4W/D2N8-B	AHPS-V6W/D2N8-B
Hydraulic module			AHBT-A100/190CD30GN8-B	AHBT-A100/240CD30GN8-B	AHBT-A100/190CD30GN8-B
Outdoor unit power supply (voltage/phases/frequency)		(V/-/Hz)	220-240/1/50	220-240/1/50	220-240/1/50
Hydraulic module power supply (voltage/phases/frequency)		(V/-/Hz)	220-240/1/50	220-240/1/50	220-240/1/50
Heating (1) (A7/W35)	Capacity	kW	4.25	4.25	6.20
	COP	-	5.20	5.20	5.00
Heating (2) (A7/W45)	Capacity	kW	4.35	4.35	6.35
	COP	-	3.80	3.80	3.75
Cooling (3) (A35/W7)	Capacity	kW	4.70	4.70	7.00
	EER	-	3.46	3.46	3.00
Cooling (4) (A35/W18)	Capacity	kW	4.50	4.50	6.55
	EER	-	5.55	5.55	4.90
Electric heater power		kW	3	3	3
Seasonal energy efficiency class (5)	Water inlet temperature 35°C	-	A+++	A+++	A+++
	Water inlet temperature 55°C	-	A++	A++	A++
Outdoor temperature range	Cooling	°C	-5÷43	-5÷43	-5÷43
	Heating	°C	-25÷35	-25÷35	-25÷35
	Domestic hot water	°C	-25÷43	-25÷43	-25÷43
Water inlet temperature range	Cooling	°C	5~25	5~25	5~25
	Heating	°C	25~65	25~65	25~65
	Domestic hot water	°C	20~60	20~60	20~60
Sound power level (outdoor unit)		dB(A)	56	56	58
Sound power level (hydraulic module)		dB(A)	38	38	38
Outdoor fan	Motor type/no. of fans	-	DC/1	DC/1	DC/1
Maximum installation length		m	30	30	30
Maximum height difference		m	20	20	20
Refrigerant (type/charge)		-/kg	R32/1.5	R32/1.5	R32/1.5
Outdoor unit	Dimensions (length/height/depth)	mm	1008×712×426	1008×712×426	1008×712×426
	Transport dimensions (length/height/depth)	mm	1065×810×485	1065×810×485	1065×810×485
Hydraulic module	Dimensions (length/height/depth)	mm	600×1683×600	600×1943×600	600×1683×600
	Transport dimensions (length/height/depth)	mm	653×1900×653	653×2160×653	653×1900×653
Net weight (outdoor unit)		kg	60	60	60
Net weight (hydraulic module)		kg	140	157	140

(1) DB/WB 7/6°C, LWT 35°C (ΔT = 5°C)

(2) DB/WB 7/6°C, LWT 45°C (ΔT = 5°C)

(3) DB 35°C, LWT 7°C (ΔT = 5°C)

(4) DB 35°C, LWT 18°C (ΔT = 5°C)

(5) Seasonal space heating energy efficiency class tested in average climate conditions.

(6) Sound pressure level measured at a distance of 1 m from the unit and (1+H)/2 m (where H is the height of the unit) above the floor in the semi-anechoic chamber.

The sound pressure level is tested in the following conditions:

Outdoor air temperature 7°C DB, 85% R.H.; inlet water temperature 30°, outlet water temperature 35°C.

Outdoor air temperature 7°C DB, 85% R.H.; inlet water temperature 47°, outlet water temperature 55°C.

Related standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207

MDV-AiO-6A1/240	MDV-AiO-8A1/190	MDV-AiO-8A1/240	MDV-AiO-10A1/190	MDV-AiO-10A1/240	MDV-AiO-12A3/240
AHPS-V6W/D2N8-B	AHPS-V8W/D2N8-B	AHPS-V8W/D2N8-B	AHPS-V10W/D2N8-B	AHPS-V10W/D2N8-B	AHPS-V12W/D2R8-B
AHBT-A100/240CDS30GN8-B	AHBT-A100/190CDS90GN8-B	AHBT-A100/240CDS90GN8-B	AHBT-A100/190CDS90GN8-B	AHBT-A100/240CDS90GN8-B	AHBT-A160/240CDS90GN8-B
220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
6.20	8.30	8.30	10.00	10.00	12.10
5.00	5.20	5.20	5.00	5.00	4.95
6.35	8.20	8.20	10.00	10.00	12.30
3.75	3.95	3.95	3.80	3.80	3.80
7.00	7.40	7.40	8.20	8.20	11.60
3.00	3.38	3.38	3.31	3.31	2.75
6.55	8.40	8.40	10.00	10.00	12.00
4.90	5.05	5.05	4.80	4.80	4.00
3	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
A+++	A+++	A+++	A+++	A+++	A+++
A++	A++	A++	A++	A++	A++
-5÷43	-5÷43	-5÷43	-5÷43	-5÷43	-5÷43
-25÷35	-25÷35	-25÷35	-25÷35	-25÷35	-25÷35
-25÷43	-25÷43	-25÷43	-25÷43	-25÷43	-25÷43
5~25	5~25	5~25	5~25	5~25	5~25
25~65	25~65	25~65	25~65	25~65	25~65
20~60	20~60	20~60	20~60	20~60	20~60
58	59	59	60	60	64
38	40	40	40	40	44
DC/1	DC/1	DC/1	DC/1	DC/1	DC/1
30	30	30	30	30	30
20	20	20	20	20	20
R32/1.5	R32/1.65	R32/1.65	R32/1.65	R32/1.65	R32/1.84
1008×712×426	1118×865×523	1118×865×523	1118×865×523	1118×865×523	1118×865×523
1065×810×485	1190×970×560	1190×970×560	1190×970×560	1190×970×560	1190×970×560
600×1943×600	600×1683×600	600×1943×600	600×1683×600	600×1943×600	600×1943×600
653×2160×653	653×1900×653	653×2160×653	653×1900×653	653×2160×653	653×2160×653
60	78.5	78.5	78.5	78.5	112
157	140	157	140	157	159