

DUCTED

3 CAPACITIES

3.50~7.10 kW

WASHABLE FILTER

air quality optimization

MEMORY FUNCTION

CONDENSATE DRAIN PUMP INCLUDED

maximum height difference **1000 mm** from lower profile

MAXIMUM COMPACTNESS

only **200 mm** high for the 3.50 and 5.30 kW models

MAXIMUM SPLITTING LENGTH 30 m

STATIC PRESSURE LEVEL

adjustable up to **160 Pa** (mod. 7.10 kW)

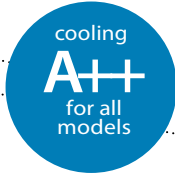
COMPATIBLE WITH SYSTEMS



DOWN TO -20°C

CONTROLS

wired control included



Wi-Fi optional
Wired Control
DMW-ZA1 WiFi

	SEER	SCOP
3.50 kW	6.50	4.00
5.30 kW	6.30	4.00
7.10 kW	6.60	4.10

MUDGS 351~531 ZA

MVDGS 711 ZA

Indoor unit model		MUDGS 351 ZA		MUDGS 531 ZA		MVDGS 711 ZA	
Outdoor unit model		MCKGS 351 ZA		MCKGS 531 ZA		MCKGS 711 ZA	
Type		DC-Inverter heat pump					
Control (supplied)		Wired control					
Nominal data							
Nominal capacity (T=+35°C)		kW	3.50	5.30	7.10		
Nominal absorbed power (T=+35°C)	Cooling	kW	1.03	1.51	1.92		
Nominal energy efficiency coefficient		EER ¹	3.40	3.50	3.70		
Nominal capacity (T=+7°C)		kW	4.00	5.60	8.00		
Nominal absorbed power (T=+7°C)	Heating	kW	1.00	1.42	2.00		
Nominal energy performance coefficient		COP ¹	4.00	3.95	4.00		
Seasonal data							
Theoretical load (Pdesignc)	Cooling	kW	3.50	5.30	7.10		
Seasonal energy efficiency index		SEER ²	6.50	6.30	6.60		
Seasonal energy efficiency class		626/2011 ³	A++	A++	A++		
Annual energy consumption		kWh/y	188	294	377		
Theoretical load (Pdesignh) @ -10°C	Heating (average weather conditions)	kW	3.00	3.90	4.70		
Seasonal performance coefficient		SCOP ²	4.00	4.00	4.10		
Seasonal energy efficiency (ηs)		%	157	157	161		
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+		
Annual energy consumption		kWh/y	1050	1365	1605		
Electrical data							
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50/60HZ				
Power cable		Type	3 x 1.5 mm ²	3 x 2.5 mm ²	3 x 4 mm ²		
Connection wires between I.U. and O.U.		no.	4	4	4		
Nominal absorbed current	Cooling Heating	A	4.90	7.20	9.20		
		A	4.80	6.80	9.60		
Maximum current		A	6.00	9.50	14.00		
Maximum absorbed power		kW	1.30	1.90	2.80		
Refrigerant circuit data							
Refrigerant ⁴		Type (GWP)	R32 (675)	R32 (675)	R32 (675)		
Q.ty of refrigerant pre-charge		kg	0.57	0.85	1.5		
Tons of CO2 equivalent		t	0.385	0.574	1.013		
Liquid/gas refrigerant pipe diameter		mm (inches)	6.35(1/4) / 9.52(3/8)	6.35(1/4) / 12.74(1/2)	9.52(3/8) / 15.88(5/8)		
Max split length		m	30	30	30		
Max difference in height U.I./O.U.		m	15	20	20		
Split length without additional charge		m	5	5	5		
Additional charge		g/m	16	16	20		
Indoor unit specifications							
Dimensions	LxDxH	mm	700x450x200	1000x450x200	900x655x260		
Net weight		kg	18	24	29.5		
Sound power level	SHi	dB(A)	56	59	58		
Sound pressure level	SHi/Hi/Mi/Lo	dB(A)	35/33/32/30	36/35/33/31	37/35/33/31		
Volume of air treated	SHi/Hi/Mi/Lo	m ³ /h	600/550/500/400	900/800/700/600	1100/1000/900/800		
Fan's static pressure	Std/Max	Pa	25/80	25/80	25/160		
Outdoor unit specifications							
Dimensions	LxDxH	mm	675x285x553	745x300x555	889x340x660		
Net weight		kg	24.5	30.5	41.5		
Sound power level	Max	dB(A)	56	65	69		
Sound pressure level	Max	dB(A)	48	52	55		
Volume of air treated	Max	m ³ /h	1800	2200	3600		
Operating limits (outdoor temperature)	Cooling Heating	°C		-20~52 -20~24			
Optional parts							
Wired control with Wi-Fi module integrated				DMW-ZA1 WiFi			
Interface for connection to centralized control				DMC-LCAC-Gateway			
Centralized control ⁵				M-V-CC-T255-G2			

1. Value measured according to the harmonized standard EN1451. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonized standard EN14825. 3. EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. Therefore, if 1 kg of this refrigerant were released into the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user attempt to intervene on the refrigerant circuit or disassemble the product. If necessary, always contact qualified personnel. 5. DMC-LCAC-Gateway interface required.