R32 MULTISPLIT

Outdoor unit	EER*	COP*	SEER	SCOP	ECO BONUS	BONUS CASA	CONTO TERMICO 2.0
HCKDM 400 Z2	3.31	3.91	6.20	4.10	✓	✓	✓
HCKDM 530 Z2	3.23	3.78	6.10	4.10	✓	✓	✓
HCKDM 600 Z3	3.23	3.71	6.10	4.20	✓	✓	✓
HCKDM 800 Z3	3.23	3.71	6.20	4.10	✓	✓	✓

* The values reported may vary depending on the combinations chosen. For more information, refer to the technical manuals.

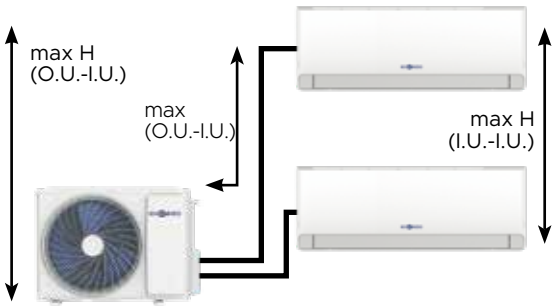
OPERATION RANGE

-10° C / **52°** C
in cooling

-15° C / 24° C
in heating

INSTALLATION FLEXIBILITY

Long split lengths.



HCKDM 400-530 Z2

L	TOTAL PIPING	**= 40 m**
L	MAX O.U-I.U.	**= 25 m**
H	MAX O.U.-I.U.	**= 15 m**
H	MAX I.U.-I.U.	**= 10 m**

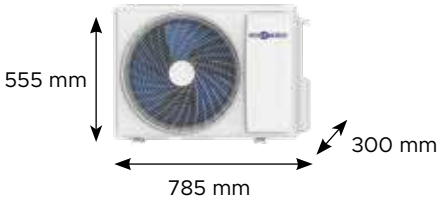
HCKDM 600-800 Z3

L	TOTAL PIPING	**= 60 m**
L	MAX O.U.-I.U.	**= 30 m**
H	MAX O.U.-I.U.	**= 15 m**
H	MAX I.U.-I.U.	**= 10 m**

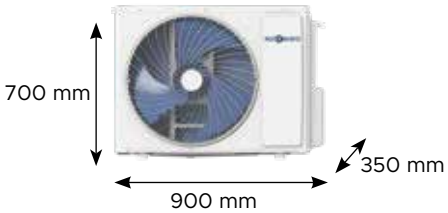
HIGH COMPACTNESS

High compactness and easy installation.

HCKDM 400-530 Z2



HCKDM 600-800 Z3



R32 MULTISPLIT

	kW	4.10	5.30	6.20	7.90
Max number of connectable indoor units		2	2	3	3
		 HCKDM 400 Z2	 HCKDM 530 Z2	 HCKDM 600 Z3	 HCKDM 800 Z3
 LUMINA MULTI	HKEDM 203 ZL	✓	✓	✓	✓
	HKEDM 263 ZL	✓	✓	✓	✓
	HKEDM 353 ZL	✓	✓	✓	✓
	HKEDM 533 ZL	✓	✓	✓	✓

Yields and consumption are measured under the following test conditions:
heating O.T. 7° C DB, 6° C WB - I.T. 20° C DB; cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO T1).

R32 MULTISPLIT

HCKDM 400 Z2
HCKDM 530 Z2

HCKDM 600 Z3
HCKDM 800 Z3

A++/A+ (6.15~7.91 kW) | Energy efficiency class in cooling/heating

Extended operating range in heating down to an outdoor temperaure of -15° C, and in cooling up to an **outdoor temperature of +52° C**

Maximum flexibility and ease of installation guaranteed by a long length of the refrigerant pipes

Check the maximum gas concentration limits, particularly in residential applications, as required by Standard EN 378:2016.

Model			HCKDM 400 Z2	HCKDM 530 Z2	HCKDM 600 Z3	HCKDM 800 Z3
Type			Outdoor unit DC-Inverter heat pump			
Unità interne collegabili (min - max)		no.	1 - 2	1 - 2	1 - 3	1 - 3
Nominal data						
Nominal capacity (T=+35°C)	Cooling	kW	4.10 (1.80~4.51)	5.30 (2.00~5.83)	6.20 (2.20~6.71)	7.90 (2.30~8.69)
Nominal absorbed power (T=+35°C)		kW	1.24 (0.20~2.10)	1.64 (0.28~2.30)	1.92 (0.35~2.80)	2.44 (0.56~3.40)
Nominal energy efficiency coefficient		EER[1]	3.31	3.23	3.23	3.23
Nominal capacity (T=+7°C)	Heating	kW	4.50 (2.05~5.28)	5.60 (2.21~6.16)	6.60 (2.39~7.26)	8.20 (2.45~9.02)
Nominal absorbed power (T=+7°C)		kW	1.15 (0.20~2.10)	1.48 (0.28~2.30)	1.78 (0.35~2.80)	2.21 (0.56~3.40)
Nominal energy performance coefficient		COP[1]	3.91	3.78	3.71	3.71
Seasonal data						
Theoretical load (Pdesignc)	Cooling	kW	4.10	5.30	6.20	7.90
Seasonal energy efficiency index		SEER[2]	6.20	6.10	6.10	6.20
Seasonal energy efficiency class		626/2011[3]	A++	A++	A++	A++
Annual energy consumption		kWh/y	233	301	354	453
Theoretical load (Pdesignh) @ -10°C	Heating (average weather conditions)	kW	3.70	4.80	5.70	5.60
Seasonal energy efficiency index		SCOP[2]	4.10	4.10	4.20	4.10
Seasonal energy efficiency class		626/2011[3]	A+	A+	A+	A+
Annual energy consumption		kWh/y	1256	1639	1900	1875
Electrical data						
Power supply		Ph-V-Hz	1~220~240V-50HZ			
Power cable		Type	3 x 2.5 mm2	3 x 2.5 mm2	3 x 4 mm2	3 x 4 mm2
Fili collegamento tra ogni U.I. e U.E.		no.	4	4	4	4
Nominal absorbed electric current	Cooling	A	5.40	7.10	8.40	10.60
	Heating	A	5.00	6.40	7.70	9.60
Max current		A	12.00	13.00	14.00	16.50
Max absorbed power		kW	2.76	3.00	3.00	3.80
Refrigerant circuit data						
Refrigerant[4]		Type (GWP)	R32 (675)			
Q.ty of refrigerant pre-charge		Kg	1.00	1.03	1.15	1.45
Tons of CO2 equivalent		t	0.675	0.695	0.776	0.979
Liquid/gas refrigerant pipe diameter		mm (inches)	2 x 6.35(1/4") 2 x 9.52(3/8")	2 x 6.35(1/4") 2 x 9.52(3/8")	3 x 6.35(1/4") 3 x 9.52(3/8")	3 x 6.35(1/4") 3 x 9.52(3/8")
Total split length		m	40	40	60	60
Max length of a single refrigerant line		m	25	25	30	30
Max difference in height U.I./U.E.		m	15	15	15	15
Max difference in height between I.U.		m	10	10	10	10
Split length without additional charge		m	15	15	22.5	22.5
Additional charge		g/m	25	25	25	25
Product specifications						
Dimensions	LxDxH	mm	785x300x555	785x300x555	900x350x700	900x350x700
Net weight		Kg	30	30	41.5	44.5
Sound power level		dB(A)	65	65	66	67
Sound pressure level		dB(A)	53	54	56	57
Treated air volume		m3/h	2600	2600	4100	4100
Operating limits (outdoor temperature)	Cooling	°C	-10~52			
	Heating	°C	-15~24			

The energy efficiency values refer to the following combinations: HCKDM400Z2 + 2xHKEDM263ZL -- HCKDM530Z2 + 2xHKEDM263ZL -- HCKDM600Z3 + 3xHKEDM263ZL -- HCKDM800Z3 + 3xHKEDM263ZL.

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. EU Delegated Regulation No. 626/2011 on the new energy consumption labelling 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. In case of need, always contact qualified personnel.