

DUCTED MEDIUM STATIC PRESSURE



DUCTED MONOSPLIT AIR CONDITIONER

Hokkaido ducted units combine premium features with discreet design for easy installation and maintenance. Our ducted air conditioning units are suitable for residential and commercial applications.

OPERATION

-15~**52**°C
in cooling

-15~**24**°C
in heating

PERFORMANCE

MODEL	SEER	SCOP
3.52 kW	6.40	4.00
5.28 kW	6.10	4.00
7.03 kW	6.10	4.00

RESIDENTIAL & COMMERCIAL R32

HRDDM 350-530 ZAL | HRDDS 710 ZA



-15~52°C in cooling
-15~24°C in heating

Condensation drain pump included
Wired control included

10~160 Pa adjustable static pressure

Indoor unit model			HRDDM 350 ZAL	HRDDM 530 ZAL	HRDDS 710 ZA
Outdoor unit model			HCKDS 350 ZA	HCKDS 530 ZA	HCKDS 710 ZA
Type			DC-Inverter heat pump		
Control (supplied)			Wired control		
Nominal data					
Nominal capacity (T=+35°C)	Cooling	kW	3.52 (1.35~14.40)	5.28 (1.53~5.60)	7.03 (2.16~8.20)
Nominal absorbed power (T=+35°C)		kW	1.03 (0.26~1.60)	1.55 (0.47~2.30)	2.17 (0.67~3.30)
Nominal energy efficiency coefficient		EER ¹	3.41	3.40	3.24
Nominal capacity (T=+7°C)	Heating	kW	3.81 (1.24~5.30)	5.60 (1.40~6.20)	7.91 (1.98~9.30)
Nominal absorbed power (T=+7°C)		kW	1.02 (0.19~1.51)	1.49 (0.46~2.25)	2.13 (0.65~3.30)
Nominal energy performance coefficient		COP ¹	3.73	3.76	3.71
Seasonal data					
Theoretical load (Pdesignc)	Cooling	kW	3.50	5.40	7.10
Seasonal energy efficiency index		SEER ²	6.40	6.10	6.10
Seasonal energy efficiency class		626/2011 ³	A++	A++	A++
Annual energy consumption		kWh/a	193	307	406
Theoretical load (Pdesignh) @ -10°C	Heating (average weather conditions)	kW	2.70	4.40	5.40
Seasonal performance coefficient		SCOP ²	4.00	4.00	4.00
Seasonal energy efficiency (ηs)		%	157	157	157
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+
Annual energy consumption		kWh/a	931	1520	1884
Electrical data					
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz		
Power cable		Type	3 x 2.5 mm ²	3 x 2.5 mm ²	3 x 4.0 mm ²
Wiring between I.U. and O.U.		no.	4	4	4
Nominal absorbed electric current	Cooling	A	4.50 (1.10~7.00)	6.70 (2.00~10.00)	9.40 (2.90~14.30)
	Heating	A	4.40 (0.80~6.60)	6.50 (2.00~9.80)	9.30 (2.80~14.40)
Max current		A	9.00	12.00	16.00
Max absorbed power		kW	1.70	2.40	3.65
Refrigerant circuit data					
Refrigerant ⁴		Type (GWP)	R32 (675)		
Q.ty of refrigerant pre-charge		Kg	0.78	1.03	1.45
Tons of CO2 equivalent		t	0.527	0.695	0.979
Liquid/gas refrigerant pipe diameter		mm (inches)	6.35(1/4") / 12.74(1/2")	6.35(1/4") / 12.74(1/2")	9.52(3/8") / 15.88(5/8")
Max split length		m	25	30	50
Max difference in height I.U./O.U.		m	10	20	25
Split length without additional charge		m	5	5	5
Additional charge		g/m	30	30	50
Indoor unit specifications					
Dimensions	LxDxH	mm	700x700x245	700x700x245	1000x700x245
Net weight		Kg	21	22	32
Sound power level	Erp test	dB(A)	55	59	55
Sound pressure level	Hi/Mi/Lo	dB(A)	37/34/32	44/41/37	43/41/39
Treated air volume	Hi/Mi/Lo	m ³ /h	720/600/500	900/750/630	1400/1190/980
Fan's static pressure	Std/Max	Pa	25/160	25/160	25/160
Outdoor unit specifications					
Dimensions	LxDxH	mm	709x280x536	785x300x555	900x350x700
Net weight		Kg	23	29	43
Sound power level	Erp test	dB(A)	64	65	70
Sound pressure level		dB(A)	54	55	58
Treated air volume	Max	m ³ /h	2000	2600	4200
Operating limits (outdoor temperature)	Cooling	°C	-15~52		
	Heating	°C	-15~24		

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.