

HDSV - High-Pressure Ducted Air Conditioners

HDVM air conditioners are **R410 gas inverter monosplit air/air heat pumps** for ducted installation, available in power ratings from 20 kW up to 40 kW (40 kW model with 2 condensing units);

Indoor units are equipped with **DC inverter centrifugal fans** with high pressures up to 250Pa suitable for ducting for extended distances, they are supplied with wired controller for wall installation and natural condensate drainage;

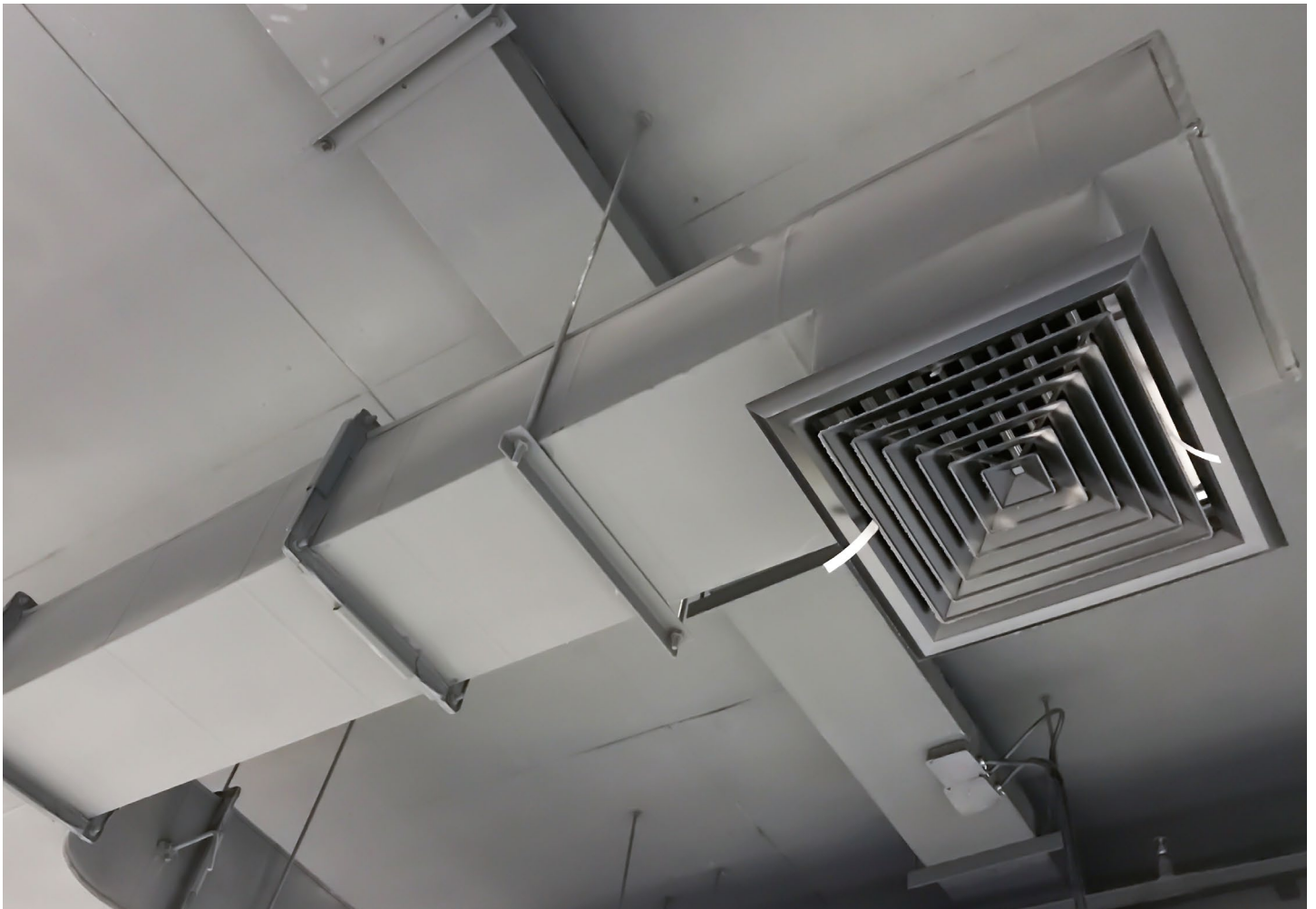
The outdoor unit is equipped with a DC inverter compressor and fan, electronic expansion valve, finned copper exchanger with special anti-corrosion treatment, and welded refrigerant fittings.



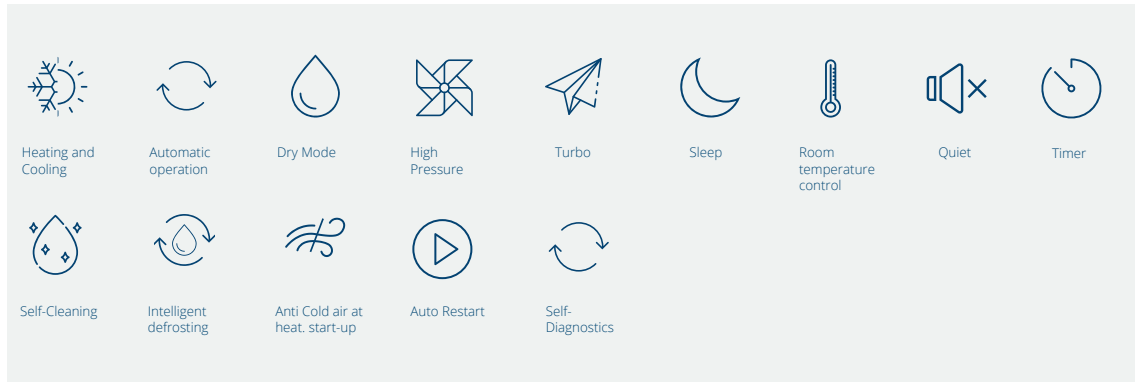
HDSV Ducted



Wired controller as standard



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MODEL	I.U.	HDSV2019HE10	HDSV2519HE10	HDSV3019HE10	HDSV4019HE10
	O.U.	HMSV2019HE10	HMSV2519HE10	HMSV3019HE10	HMSV2019HE10
Number of outdoor units		1	1	1	2
Power supply	V/Ph/Hz	400/3/50			
Nominal cooling capacity (min-max)	kW	20.00 (8.00-22.00)	25.00 (10.00-27.50)	30.00 (12.00-33.00)	40.00 (16.00-44.00)
Nominal cooling power input (min-max)	kW	7.80 (2.34-10.75)	9.44 (2.83-11.80)	11.30 (3.39-14.40)	15.45 (4.64-21.35)
Nominal heating capacity (min-max)	kW	22.00 (8.80-24.20)	27.50 (11.00-30.30)	33.00 (13.20-36.30)	43.00 (17.20-47.30)
Nominal heating power input (min-max)	kW	7.00 (2.80-9.75)	8.87 (3.55-10.80)	10.30 (4.12-13.50)	13.85 (5.54-19.35)
EER / COP		2.56 / 3.14	2.65 / 3.10	2.65 / 3.20	2.59 / 3.10
Indoor unit air flow volume	m³/h	3700	4200	5200	7000
Nominal static pressure	Pa	120	120	120	120
IU sound pressure (a/m/b delivery speed)	dB(A)	52 / 51 / 50	53 / 52 / 51	55 / 54 / 53	56 / 55 / 54
IU sound power (a/m/b delivery speed)	dB(A)	62 / 61 / 60	63 / 62 / 61	65 / 64 / 63	66 / 65 / 64
OU sound pressure	dB(A)	62	63	65	62
OU sound power	dB(A)	72	73	75	72
Indoor unit dimensions (HxWxD)	mm	385x1315x760	450x1520x840	450x1520x840	650x1680x900
Indoor unit weight	kg	82	99	105	165
Outdoor unit dimensions (HxWxD)	mm	1430x940x320	1615x940x460	1615x940x460	1430x940x320 (x2)
Outdoor unit weight	kg	120	146	175	120
Pipe length with standard charge / with additional charge	m	7.5 / 70	7.5 / 70	7.5 / 70	7.5 / 70
Max height difference	m	30	30	30	30
Liquid/gas pipe diameter	mm (inch)	9.52 (3/8") / 19.05 (3/4")	9.52 (3/8") / 22 (7/8")	12.7 (1/2") / 25.4 (1")	9.52 (3/8") / 19.05 (3/4")
Refrigerant type/standard charge	type/kg	R410A / 6.40	R410A / 8.00	R410A / 9.50	R410A / 6,40 (x2)
Global warming potential / CO2 equiv.tons	GWP/tons	2088 / 13.363	2088 / 16.704	2088 / 19.836	2088 / 13.363 (x2)
Refrigerant addition beyond max length with standard charge	g/m	54	54	110	54
Heating/cooling ambient operating temp. range	°C	-15 to 24 / -7 to 48	-15 to 24 / -7 to 48	-15 to 24 / -7 to 48	-15 to 24 / -7 to 48
CODE	I.U.	2701700	2701701	2701702	2701703
	O.U.	2701730	2701731	2701732	2701730 (x2)