

DSV - Ducted Air Conditioner

ECA Technology's **ducted units** are ideal for small commercial / tertiary applications.

These units feature an **ultra-thin design**: The height is only 200 mm for the DSV1218 and DSV1818 models, and 220 / 300 mm for all other models. Careful design has resulted in an evaporating coil that promotes more effective air exchange.

The centrifugal fan with DC Brushless motor provides a high air flow rate and complete silence.

Rear or bottom air intakes are available.



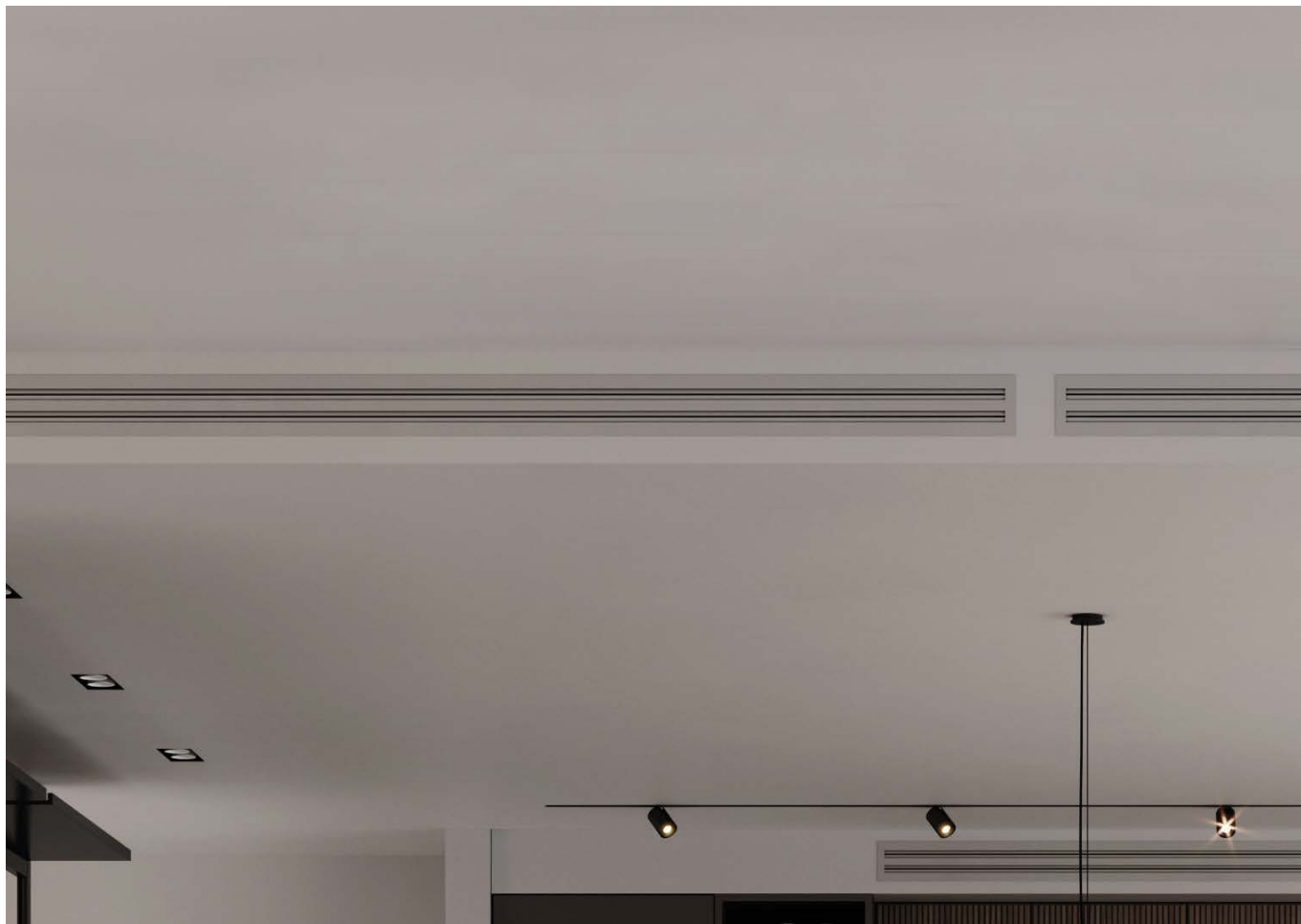
DSV Ducted



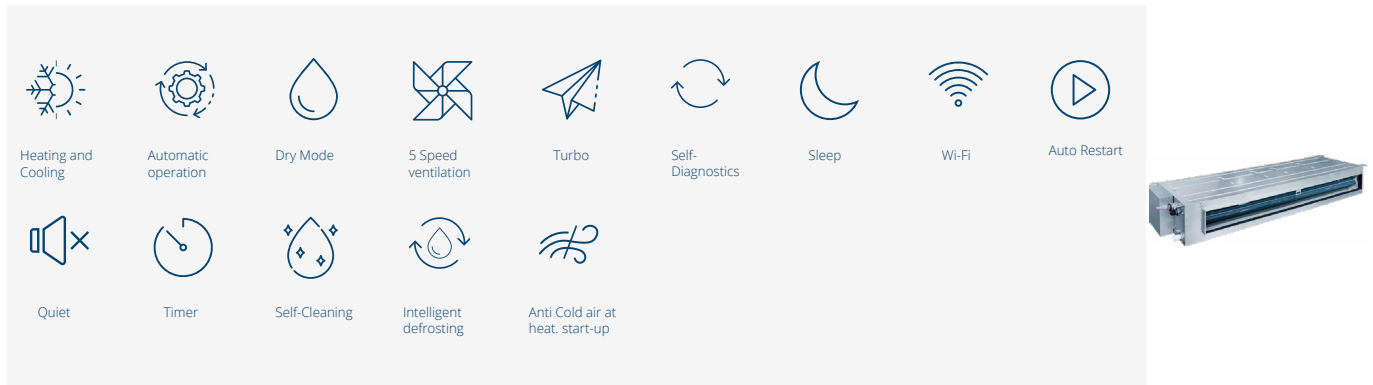
Wired control



Optional remote control



DSV - Ducted Air Conditioner



MODEL		U.I.	DSV1222HE32	DSV1822HE32	DSV2422HE32
		U.E.	MSV1222HE32	MSV1822HE32	MSV2422HE32
Power supply		V/f/Hz	230/1/50		
Seasonal efficiency in Cooling mode	Pdesign	kW	3,50	5,30	7,10
	SEER		6,50	6,30	6,60
	Annual energy consump.	kWh/a	189	294	377
	Energy Label		A++	A+++	A++
Seasonal efficiency in Heating mode - average/warmer climate	Pdesign	kW	3,00	3,90	4,70
	SCOP		4,00	4,00	4,10
	Annual energy consump.	kWh/a	1050	1365	1605
	Energy Label		A+	A+	A+
Nominal cooling capacity (min-max)		kW	3,50 (0,90-4,00)	5,30 (1,60-5,80)	7,10 (2,40-7,60)
		BTU/h	11900 (3100-13700)	18000 (5500-19800)	24200 (8200-26000)
Nominal cooling electric power (min-max)		kW	1,03 (0,20-1,30)	1,51 (0,30-1,80)	1,92 (0,50-2,60)
Nominal heating capacity (min-max)		kW	4,00 (0,90-4,50)	5,60 (1,60-6,10)	8,00 (2,20-8,60)
		BTU/h	13600 (3100-15400)	19100 (5500-20800)	27200 (7500-29400)
Nominal heating electric power (min-max)		kW	1,00 (0,20-1,30)	1,42 (0,30-1,80)	2,00 (0,50-2,60)
EER / COP			3,40 / 4,00	3,50 / 3,95	3,70 / 4,00
Indoor unit air flow volume (SH/H/M/L)		m³/h	600/550/500/400	900/800/700/600	1100/1000/900/800
Outdoor unit air flow volume		m³/h	1800	2200	3600
Indoor unit sound pressure (SH/H/M/L)		dB(A)	35/33/32/30	36/35/33/31	37/35/33/31
Indoor unit sound power (SH/H/M/L)		dB(A)	56	59	58
Outdoor unit sound pressure (H)		dB(A)	48	52	55
Outdoor unit sound power (H)		dB(A)	56	65	69
Indoor unit dimensions (HxWxD)		mm	200x700x450	200x1000x450	260x900x655
Indoor unit weight		kg	18	24	29,5
Outdoor unit dimensions (HxWxD)		mm	553x675x285	555x745x300	660x889x340
Outdoor unit weight		kg	24,5	30,5	41,5
Pipe length: min-max with standard charge / with additional charge		m	7 / 30	7 / 30	7 / 30
Max height difference		m	15	20	20
Liquid/gas pipe diameter		mm (inch")	6,35 (1/4") / 9,52 (3/8")	6,35 (1/4") / 12,7 (1/2")	9,52 (3/8") / 15,8 (5/8")
Refrigerant type/standard charge		tipo/kg	R32 / 0,57	R32 / 0,85	R32 / 1,50
Global warming potential / CO2 equiv.tons		GWP/tons	675 / 0,385	675 / 0,574	675 / 1,013
Refrigerant addition beyond max length with standard charge		gr/m	16	16	20
Heating/cooling ambient operating temp. range		°C	-20÷24 / -20÷52	-20÷24 / -20÷52	-20÷24 / -20÷52
CODE	U.I.		2701242	2701243	2701244
	U.E.		2701542	2701543	2701544

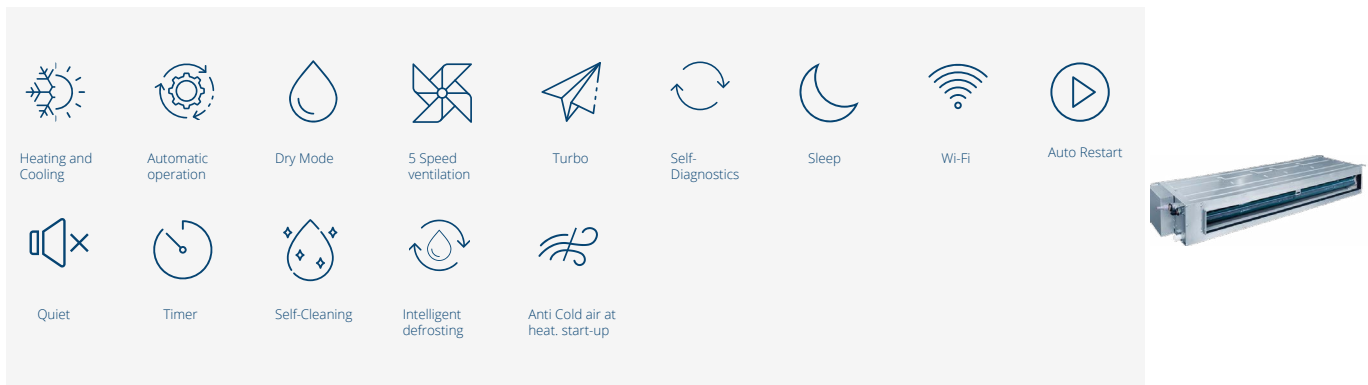
OPTIONAL ACCESSORIES	CODE
Circular nozzle section with 2 outlets ø 160mm for DSV 1222	2701930
Circular nozzle section with 3 outlets ø 125mm for DSV 1222	2701931
Circular nozzle section with 2 outlets ø 200mm for DSV 1822	2701935
Circular nozzle section with 3 uscite ø 160mm for DSV 1822	2701937
Circular nozzle section with 4 uscite ø 160mm for DSV 1822	2701938
Circular nozzle section with 3 uscite ø 200mm for DSV 2422	2701940
Circular nozzle section with 4 uscite ø 160mm for DSV 2422	2701941
Wired controller for control of up to 36 indoor units*	2701456
Modbus Gateway	2701455
ON - OFF remote control kit	2701450

* Each indoor unit must be equipped with a Modbus Gateway cod. 2701454 to enable communication with the central wired controller.

THE ABOVE TECHNICAL DATA REFERS TO EUROPEAN STANDARDS EN14511 AND EN14825. OUTDOOR UNITS CONTAIN FLUORINATED GREENHOUSE GASES GOVERNED BY THE KYOTO PROTOCOL

TECHNICAL DATA

DSV - Ducted Air Conditioner



MODEL		U.I.	DSV3622HE32	DSV4822HE32	DSV6022HE32
		U.E.	MSV3622HE32	MSV4822HE32	MSV6022HE32
Power supply		V/f/Hz	400/3/50		
Seasonal efficiency in Cooling mode	Pdesign	kW	10,50	13,40	16,00
	SEER		6,40	6,10	6,10
	Annual energy consump.	kWh/a	574	769	918
	Energy Label		A++	A++	A++
Seasonal efficiency in Heating mode - average/warmer climate	Pdesign	kW	7,00	10,00	12,30
	SCOP		4,20	4,00	4,00
	Annual energy consump.	kWh/a	2333	3500	4305
	Energy Label		A+	A+	A+
Nominal cooling capacity (min-max)		kW	10,50 (3,20-11,00)	13,40 (6,00-14,20)	16,00 (4,80-17,00)
		BTU/h	35800 (11000-37600)	45700 (20500-48500)	54500 (16300-58000)
Nominal cooling electric power (min-max)		kW	3,00 (0,90-4,00)	4,50 (1,35-5,60)	5,40 (1,50-6,80)
Nominal heating capacity (min-max)		kW	11,50 (3,00-12,50)	15,50 (3,90-16,00)	17,00 (4,50-18,00)
		BTU/h	39200 (10300-42300)	52900 (13300-54600)	58000 (15300-61400)
Nominal heating electric power (min-max)		kW	2,80 (0,90-4,00)	4,50 (1,35-5,60)	4,70 (1,50-6,80)
EER / COP			3,50 / 4,10	2,98 / 3,44	2,96 / 3,62
Indoor unit air flow volume (SH/H/M/L)		m³/h	1700/1600/1400/1200	2300/2100/1800/1500	2600/2300/2000/1700
Outdoor unit air flow volume		m³/h	4800	5200	5500
Indoor unit sound pressure (SH/H/M/L)		dB(A)	39/38/37/36	43/42/40/38	46/44/42/40
Indoor unit sound power (SH/H/M/L)		dB(A)	62	67	70
Outdoor unit sound pressure (H)		dB(A)	57	59	60
Outdoor unit sound power (H)		dB(A)	70	75	75
Indoor unit dimensions (HxWxD)		mm	260x1340x655	300x1400x700	300x1400x700
Indoor unit weight		kg	43	52	54
Outdoor unit dimensions (HxWxD)		mm	820x940x370	820x940x370	960x990x370
Outdoor unit weight		kg	75	81	94
Pipe length: min-max with standard charge / with additional charge		m	7 / 75	9,5 / 75	7,5 / 75
Max height difference		m	30	30	30
Liquid/gas pipe diameter		mm (inch")	9,52 (3/8") / 15,8 (5/8")	9,52 (3/8") / 15,8 (5/8")	9,52 (3/8") / 15,8 (5/8")
Refrigerant type/standard charge		tipo/kg	R32 / 2,10	R32 / 2,80	R32 / 3,50
Global warming potential / CO2 equiv.tons		GWP/tons	675 / 1,418	675 / 1,890	675 / 2,363
Refrigerant addition beyond max length with standard charge		gr/m	20	35	35
Heating/cooling ambient operating temp. range		°C	-20÷24 / -20÷52	-20÷24 / -20÷52	-20÷24 / -20÷52
CODE	U.I.		2701245	2701246	2701247
	U.E.		2701545	2701546	2701547
ACCESSORI OPTIONAL					CODE
Circular nozzle section with 3 uscite Ø 200 mm for DSV3622					2701945
Circular nozzle section with 4 uscite Ø 200 mm for DSV3622					2701946
Circular nozzle section with 5 uscite Ø 160 mm for DSV3622					2701947
Circular nozzle section with 4 uscite Ø 200 mm for DSV4822 e DSV6022					2701950
Circular nozzle section with 5 uscite Ø 160 mm per DSV4822 e DSV6022					2701951
Wired controller for control of up to 36 indoor units*					2701456
Modbus Gateway					2701455
ON - OFF remote control kit					2701450

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