

## 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.



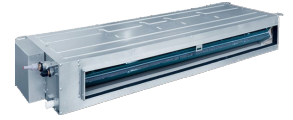
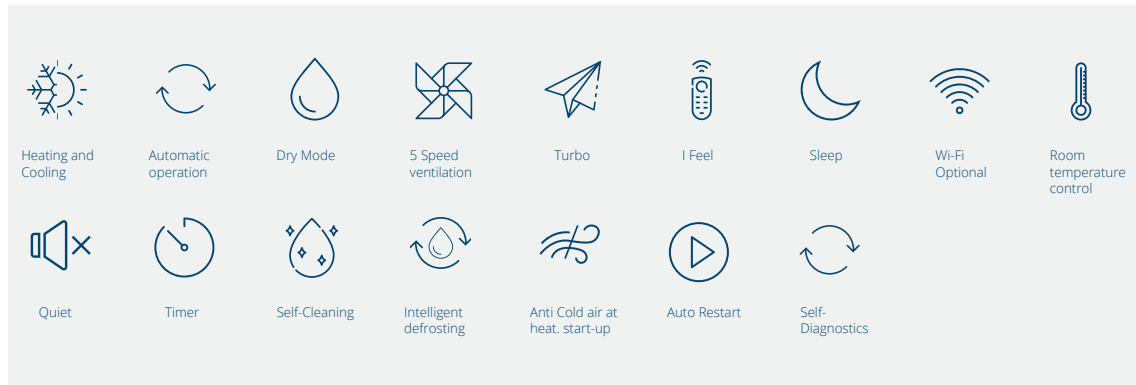
DSV Ducted



Wired control



# DSV - Ducted Air Conditioner



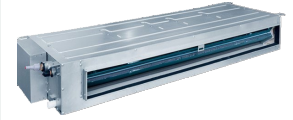
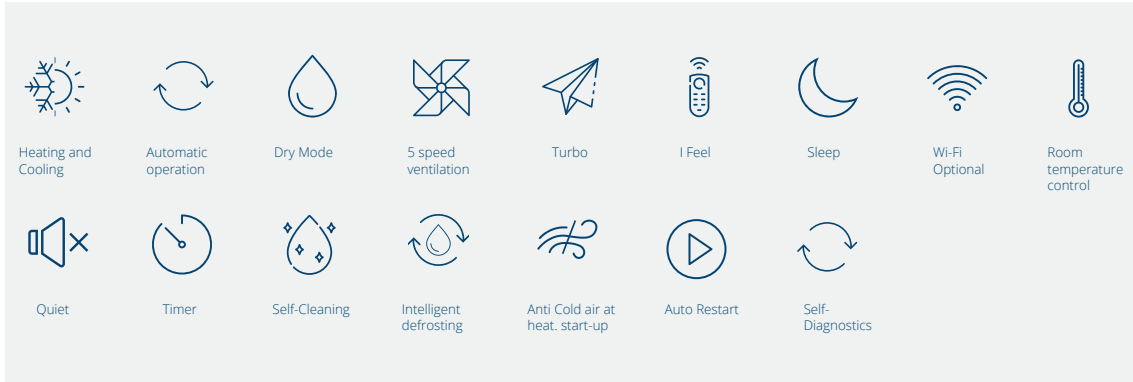
MODEL		I.U.	DSV1218HE32	DSV1818HE32	DSV2418HE32
		O.U.	MSV1218HE32	MSV1818HE32	MSV2418HE32
Power supply		V/Ph/Hz	230/1/50		
Seasonal efficiency in Cooling mode	Pdesign	kW	3.50	5.00	7.00
	SEER		6.10	6.10	6.80
	Annual energy consump.	kWh/a	200	277	357
	Energy Label		A++	A++	A++
Seasonal efficiency in Heating mode - average/warmer climate	Pdesign	kW	3.10	4.20	6.40
	SCOP		4.00	4.00	4.00
	Annual energy consump.	kWh/a	1110	1469	2238
	Energy Label		A+	A+	A+
Nominal cooling capacity (min-max)		kW	3.50 (0.90-4.00)	5.00 (1.60-5.50)	7.00 (2.40-8.00)
		BTU/h	11900 (3071-13648)	17000 (5459-18766)	23800 (8189-27296)
Nominal cooling electric power (min-max)		kW	0.95 (0.2-1.35)	1.55 (0.3-1.75)	2.10 (0.40-3.50)
		BTU/h	13600 (3071-15354)	18700 (5118-20472)	27990 (7506-30708)
Nominal heating capacity (min-max)		kW	4.00 (0.90-4.50)	5.50 (1.50-6.00)	8.20 (2.20-9.00)
		BTU/h	13600 (3071-15354)	18700 (5118-20472)	27990 (7506-30708)
Nominal heating electric power (min-max)		kW	1.05 (0.2-1.35)	1.45 (0.3-1.75)	2.19 (0.45-3.50)
		BTU/h	368 / 3.81	3.23 / 3.79	3.33 / 3.74
EER / COP			3.68 / 3.81	3.23 / 3.79	3.33 / 3.74
Indoor unit air flow volume (SH/H/M/L)		m³/h	650/600/510/450	950/880/820/700	1200/1160/1090/940
Outdoor unit air flow volume		m³/h	3000	3000	3600
Indoor unit sound pressure (SH/H/M/L)		dB(A)	41/38/36/34	43/42/39/36	40/39/37/36
Indoor unit sound power (SH/H/M/L)		dB(A)	59	58	62
Outdoor unit sound pressure (H)		dB(A)	50	53	52
Outdoor unit sound power (H)		dB(A)	64	65	67
Indoor unit dimensions (HxWxD)		mm	200x700x450	200x1000x450	220x1300x450
Indoor unit weight		kg	19	25	30
Outdoor unit dimensions (HxWxD)		mm	596x818x302	596x818x302	698x892x340
Outdoor unit weight		kg	37	39	53
Pipe length: min-max with standard charge / with additional charge		m	7 / 30	7 / 35	7 / 50
Max height difference		m	15	20	25
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		type/kg	R32 / 0.78	R32 / 1.00	R32 / 1.60
Global warming potential / CO2 equiv.tons		GWP/tons	675 / 0.527	675 / 0.675	675 / 1.080
Refrigerant addition beyond max length with standard charge		g/m	16	16	25
Heating/cooling ambient operating temp. range		°C	-20 to 24 / -20 to 48	-20 to 24 / -20 to 48	-20 to 24 / -20 to 48
CODE	I.U.		2701232	2701233	2701234
	O.U.		2701532	2701533	2701534

OPTIONAL ACCESSORIES	CODE
Circular nozzle section with 2 outlets Ø 160 mm for DSV1218	2701911
Circular nozzle section with 2 outlets Ø 200 mm for DSV1218	2701912
Circular nozzle section with 3 outlets Ø 160 mm for DSV1818	2701913
Circular nozzle section with 3 outlets Ø 200 mm for DSV1818	2701914
Circular nozzle section with 4 outlets Ø 200 mm for DSV2418	2701915
Wired controller with weekly timer	2701451
Wired controller for control of up to 36 indoor units*	2701456
Modbus Gateway	2701454
Wi-Fi Module	2701455
ON - OFF remote control kit (to be combined with wired controller)	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

# DSV - Ducted Air Conditioner



MODEL		I.U.	DSV3618HE32	DSV4818HE32	DSV6018HE32
		O.U.	MSV3618HE32	MSV4818HE32	MSV6018HE32
Power supply		V/Ph/Hz	400/3/50		
Seasonal efficiency in Cooling mode	Pdesign	kW	10.00	13.40	16.00
	SEER		6.10	5.60	6.10
	Annual energy consump.	kWh/a	577	837.5	918.03
	Energy Label		A++	not applicable	not applicable
Seasonal efficiency in Heating mode - average/warmer climate	Pdesign	kW	9.00	11.20	12.30
	SCOP		4.00	3.70	3.80
	Annual energy consump.	kWh/a	3218	4238	4532
	Energy Label		A+	not applicable	not applicable
Nominal cooling capacity (min-max)		kW	10.00 (3.20-11.00)	13.40 (6.00-14.20)	16.00 (6.80-16.80)
		BTU/h	34100 (10918-37532)	45700 (20472-48450)	54500 (23202-57322)
Nominal cooling electric power (min-max)		kW	3.15 (0.60-4.65)	4.70 (0.80-5.95)	5.45 (0.85-5.95)
		kW	12.00 (3.00-13.50)	15.50 (3.90-16.00)	17.00 (4.50-17.50)
Nominal heating capacity (min-max)		kW	12.00 (3.00-13.50)	15.50 (3.90-16.00)	17.00 (4.50-17.50)
		BTU/h	40900 (10236-46062)	52800 (13306-54592)	58000 (15345-59710)
Nominal heating electric power (min-max)		kW	3.50 (0.60-4.65)	4.45 (0.80-5.95)	5.00 (0.85-5.95)
		kW	3.17 / 3.43	2.85 / 3.48	2.94 / 3.40
EER / COP			3.17 / 3.43	2.85 / 3.48	2.94 / 3.40
Indoor unit air flow volume (SH/H/M/L)		m³/h	1800/1520/1380/1270	2200/2000/1730/1490	2400/1960/1670/1380
Outdoor unit air flow volume		m³/h	5900	5900	6600
Indoor unit sound pressure (SH/H/M/L)		dB(A)	46/44/42/40	43/41/40/38	44/41/39/38
Indoor unit sound power (SH/H/M/L)		dB(A)	65	68	68
Outdoor unit sound pressure (H)		dB(A)	55	57	57
Outdoor unit sound power (H)		dB(A)	70	72	72
Indoor unit dimensions (HxWxD)		mm	300x1000x700	300x1400x700	300x1400x700
Indoor unit weight		kg	40	49	56
Outdoor unit dimensions (HxWxD)		mm	820x940x460	820x940x460	1345x900x340
Outdoor unit weight		kg	89	99	112
Pipe length: min-max with standard charge / with additional charge		m	7 / 65	9.5 / 75	9.5 / 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		type/kg	R32 / 2.50	R32 / 2.80	R32 / 3.60
Global warming potential / CO2 equiv.tons		GWP/tons	675 / 1.688	675 / 1.890	675 / 2.430
Refrigerant addition beyond max length with standard charge		g/m	35	40	40
Heating/cooling ambient operating temp. range		°C	-20 to 24 / -20 to 48	-20 to 24 / -20 to 48	-20 to 24 / -20 to 48
CODE	I.U.		<b>2701235</b>	<b>2701236</b>	<b>2701237</b>
	O.U.		<b>2701535</b>	<b>2701536</b>	<b>2701537</b>

OPTIONAL ACCESSORIES	CODE
Circular nozzle section with 3 outlets Ø 200 mm for DSV3618	<b>2701916</b>
Circular nozzle section with 4 outlets Ø 200 mm for DSV4818/6018	<b>2701917</b>
Wired controller with weekly timer	<b>2701451</b>
Wired controller for control of up to 36 indoor units*	<b>2701456</b>
Modbus Gateway	<b>2701454</b>
Wi-Fi Module	<b>2701455</b>
ON - OFF remote control kit (to be combined with wired controller)	<b>2701450</b>

\* 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

## MSV - Outdoor unit

An efficient air conditioning system must include the power and design of its outdoor units.

The use of high quality components, special focus on insulation and the robustness of the metal structure guarantee long life and resilience, even in the most troublesome climatic conditions.

The high drainage capacity of the outdoor unit's chassis prevents ice formation in the harshest climates and ensures optimum reliability and performance.

ECA Technology's range of commercial air conditioners meets the needs of the most varied installation requirements, adapting to industrial production areas, shops, supermarkets, offices, healthcare facilities, hotels, restaurants, bars and accommodation, public places and outdoor areas.



MSV1218

**COMMERCIAL LINE OUTDOOR UNIT**

MSV1818

**COMMERCIAL LINE OUTDOOR UNIT**

MSV2418

**COMMERCIAL LINE OUTDOOR UNIT**

MSV3618 / MSV4818

**COMMERCIAL LINE OUTDOOR UNIT**

MSV6018

**COMMERCIAL LINE OUTDOOR UNIT**

HMSV 2519 / 3019

**COMMERCIAL LINE OUTDOOR UNIT**