

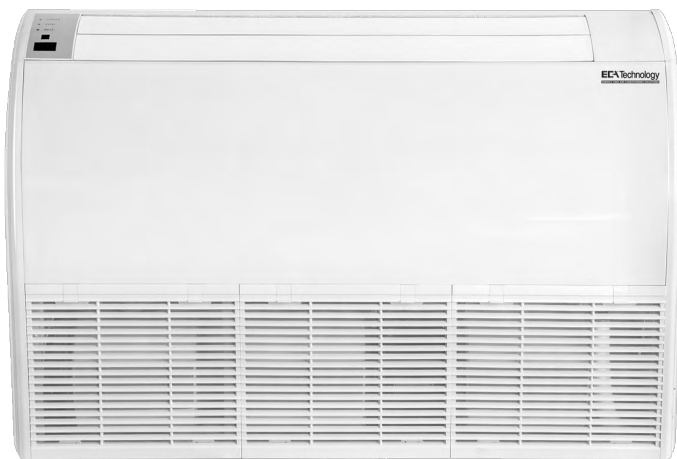
## FSV - Floor - Ceiling Air Conditioner

The **floor-ceiling units** are ideal for applications in the small commercial/ tertiary sectors such as shops, offices, meeting rooms, hotels, restaurants, clubs, gyms and open space areas.

The compact design (only 235 mm deep) allows **versatile installation**.

The wide swing angle of the louvres also allows horizontal air flow for ceiling applications - this prevents direct air flows onto persons in the room.

When the unit is switched off, the air delivery louvres can be completely closed to prevent dust from entering the unit and keep the air conditioner clean.



FSV Floor-Ceiling



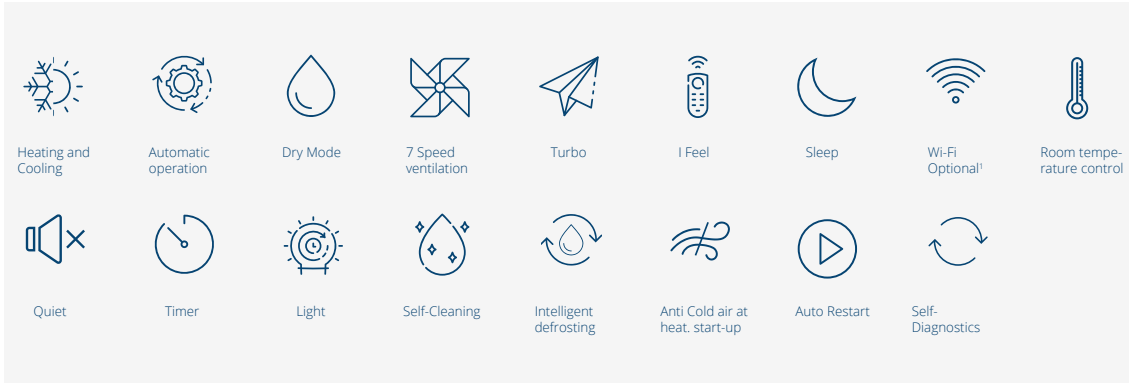
Remote Control



Optional Wired control



# FSV - Floor - Ceiling Air Conditioner



only with wall control integration

MODEL	I.U.	FSV1822HE32	FSV2422HE32	FSV3622HE32	
	O.U.	MSV1822HE32	MSV2422HE32	MSV3622HE32	
Power supply	V/f/Hz	230/1/50		400/3/50	
Seasonal efficiency in Cooling mode	Pdesign	kW	5,30	7,10	10,00
	SEER		6,50	7,20	6,30
	Annual energy consump.	kWh/a	285	345	556
	Energy Label		A++	A++	A++
Seasonal efficiency in Heating mode - average/warmer climate	Pdesign	kW	3,90	4,70	7,00
	SCOP		4,20	4,30	4,20
	Annual energy consump.	kWh/a	1300	1530	2333
	Energy Label		A+	A+	A+
Nominal cooling capacity (min-max)	kW	5,30 (1,60-5,50)	7,10 (2,40-7,60)	10,00 (3,20-10,50)	
	BTU/h	18000 (5500-18800)	24200 (8200-26000)	34100 (11000-35800)	
Nominal cooling electric power (min-max)	kW	1,56 (0,30-1,80)	2,03 (0,50-2,60)	2,94 (0,90-4,00)	
	kW	5,60 (1,60-6,10)	7,70 (2,20-8,40)	11,50 (3,00-12,00)	
Nominal heating capacity (min-max)	BTU/h	19100 (5500-20800)	26200 (7500-28700)	39200 (10300-40600)	
	kW	1,44 (0,30-1,80)	1,95 (0,50-2,60)	2,95 (0,90-4,00)	
EER / COP		3,40 / 3,90	3,50 / 3,95	3,40 / 3,90	
Indoor unit air flow volume (SH/H/M/L)	m³/h	900/800/700/600	1250/1100/1000/900	1600/1500/1400/1200	
Outdoor unit air flow volume	m³/h	2200	3600	4800	
Indoor unit sound pressure (SH/H/M/L)	dB(A)	41/40/38/36	41/39/37/35	48/46/45/43	
Indoor unit sound power (SH/H/M/L)	dB(A)	59	54	65	
Outdoor unit sound pressure (H)	dB(A)	52	55	57	
Outdoor unit sound power (H)	dB(A)	65	69	70	
Indoor unit dimensions (HxWxD)	mm	665x870x235	665x1200x235	665x1200x235	
Indoor unit weight	kg	25	31	32	
Outdoor unit dimensions (HxWxD)	mm	555x745x300	660x889x340	820x940x370	
Outdoor unit weight	kg	30,5	41,5	75	
Pipe length: min-max with standard charge / with additional charge	m	7 / 30	7 / 30	7 / 75	
Max height difference	m	20	20	30	
Liquid/gas pipe diameter	mm (inch")	6,35 (1/4") / 12,7 (1/2")	9,52 (3/8") / 15,8 (5/8")	9,52 (3/8") / 15,8 (5/8")	
Refrigerant type/standard charge	tipo/kg	R32 / 0,85	R32 / 1,50	R32 / 2,10	
Global warming potential / CO2 equiv.tons	GWP/tons	675 / 0,574	675 / 1,013	675 / 1,418	
Refrigerant addition beyond max length with standard charge	gr/m	16	20	20	
Heating/cooling ambient operating temp. range	°C	-20÷24 / -20÷52	-20÷24 / -20÷52	-20÷24 / -20÷52	
CODE	U.I.	2701143	2701144	2701145	
	U.E.	2701543	2701544	2701545	

OPTIONAL ACCESSORIES	CODE
Wired control with Wifi	2701448
Wired controller for control of up to 36 indoor units*	2701456
Modbus Gateway	2701454
ON - OFF remote control kit	2701449

\* 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

## COMMERCIAL SOLUTIONS

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### 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.



MSV1222

**COMMERCIAL LINE OUTDOOR UNIT**

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MSV1822

**COMMERCIAL LINE OUTDOOR UNIT**

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MSV2422

**COMMERCIAL LINE OUTDOOR UNIT**

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MSV3622 / MSV4822

**COMMERCIAL LINE OUTDOOR UNIT**

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MSV6022

**COMMERCIAL LINE OUTDOOR UNIT**

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HMSV 2519 / 3019

**COMMERCIAL LINE OUTDOOR UNIT**

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