

MITSUBISHI ELECTRIC CORPORATION

Model(s): ECOV-X37VA(-BS)

Refrigerant fluid(s): R-744 (CO2)

Item	Symbol	Value	Unit
Evaporating temperature	t	– 10 °C	°C
Annual electricity consumption	Q	24,285	kWh/a
Seasonal energy performance ratio	SEPR	2.53	

Parameters at full load and ambient temperature 32 °C
(point (A))

Rated cooling capacity	P _A	10.000	kW
Rated power input	D _A	6.250	kW
Rated COP	COP _A	1.60	

Parameters at part load and ambient temperature 25 °C
(point (B))

Declared cooling capacity	P _B	9.000	kW
Declared power input	D _B	4.876	kW
Declared COP	COP _B	1.85	

Parameters at part load and ambient temperature 15 °C
(point (C))

Declared cooling capacity	P _C	7.500	kW
Declared power input	D _C	2.873	kW
Declared COP	COP _C	2.61	

Parameters at part load and ambient temperature 5 °C
(point (D))

Declared cooling capacity	P _D	6.000	kW
Declared power input	D _D	2.070	kW
Declared COP	COP _D	2.90	

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Model(s): ECOV-X37VA(-BS)

Parameters at full load and ambient temperature 43 °C
(where applicable)

Declared cooling capacity	P ₃	5.15	kW
Declared power input	D ₃	7.15	kW
Declared COP	COP ₃	0.72	

Other items

GWP	R-744 (CO ₂)		1
GWP Note	Natural refrigerant		
Capacity control	variable		
Degradation coefficient for fixed and staged capacity units	C _{dc}	-	
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira, 6-Chome, Wakayama City 640-8686, Japan		