

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	

MITSUBISHI ELECTRIC CORPORATION

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	