

# MITSUBISHI ELECTRIC CORPORATION

Model(s): ECOV-X55VA(-BS)

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

Item	Symbol	Value	Unit
Evaporating temperature	t	- 10 °C	°C
Annual electricity consumption	Q	37,759	kWh/a
Seasonal energy performance ratio	SEPR	2.60	

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

Rated cooling capacity	$P_A$	16.000	kW
Rated power input	$D_A$	10.000	kW
Rated COP	$COP_A$	1.60	

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

Declared cooling capacity	$P_B$	14.400	kW
Declared power input	$D_B$	7.694	kW
Declared COP	$COP_B$	1.87	

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

Declared cooling capacity	$P_C$	12.000	kW
Declared power input	$D_C$	4.506	kW
Declared COP	$COP_C$	2.66	

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

Declared cooling capacity	$P_D$	9.600	kW
Declared power input	$D_D$	3.157	kW
Declared COP	$COP_D$	3.04	

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Model(s): ECOV-X55VA(-BS)

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

Declared cooling capacity	$P_3$	5.85	kW
Declared power input	$D_3$	8.13	kW
Declared COP	$COP_3$	0.72	

Other items

GWP	R-744 (CO <sub>2</sub> )	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		