

Manufacturer: Templari S.p.A.			
Model: MP16			
Refrigerant: R290			
Equipped with a supplementary heater: no			
Heat pump combination heater: no			
Application: medium temperature			
Climate: average			
Item	Symbol	Value	Unit
Rated heat output *	Prated	10.72	kW
Declared capacity for part load at outdoor temperature Tj			
Tj= -7	Pdh	9.49	kW
Tj= +2	Pdh	5.77	kW
Tj= +7	Pdh	3.71	kW
Tj= +12	Pdh	3.37	kW
Tj= bivalent temperature	Pdh	9.49	kW
Tj= operation limit	Pdh	8.70	kW
Tj= -15 if TOL < -20 °C	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C
Power input "compressor off"		-	W
Power consumption in modes other than active mode			
Off mode	POFF	24.0	W
Thermostat-off mode	PTO	30.7	W
Standby mode	PSB	24.0	W
Crankcase heater mode	PCK	35.0	W
Other items			
Capacity control	Variable		
Sound power level, indoors/outdoors	LWA	50	dB
Annual energy consumption	QHE	5891	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	147.4	%
Declared coefficient of performance for part load at outdoor temperature Tj			
Tj= -7	COPd	2.12	-
Tj= +2	COPd	3.82	-
Tj= +7	COPd	4.88	-
Tj= +12	COPd	6.92	-
Tj= bivalent temperature	COPd	2.12	-
Tj= operation limit	COPd	1.85	-
Tj= -15 if TOL < -20 °C	COPd	-	-
For air to water heat pumps: Tj = -15 °C (if TOL< -20 °C)	TOL	-10	°C
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output*	Psup	-	W
Type of energy input	Electricity		
For air to water heat pumps: Rated air flow rate, outdoors	10653		m³/h
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-		l/h

Contact details: Templari S.p.A. Via C. Battisti 169 35031 Abano Terme (PD) - Italy

* For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary capacity for heating sup(Tj)

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