

Manufacturer: Templari S.p.A.			
Model: MP16			
Refrigerant: R290			
Equipped with a supplementary heater: no			
Heat pump combination heater: no			
Application: low temperature			
Climate: average			
Item	Symbol	Value	Unit
Rated heat output *	Prated	12.67	kW
Declared capacity for part load at outdoor temperature Tj			
Tj= -7	Pdh	11.20	kW
Tj= +2	Pdh	6.82	kW
Tj= +7	Pdh	4.38	kW
Tj= +12	Pdh	3.46	kW
Tj= bivalent temperature	Pdh	11.20	kW
Tj= operation limit	Pdh	10.49	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	5106	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	202.1	%
Declared coefficient of performance for part load at outdoor temperature Tj			
Tj= -7	COPd	3.01	-
Tj= +2	COPd	5.09	-
Tj= +7	COPd	6.88	-
Tj= +12	COPd	8.90	-
Tj= bivalent temperature	COPd	3.01	-
Tj= operation limit	COPd	2.88	-
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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