

Manufacturer: Templari S.p.A.			
Model: MP20			
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	18.56	kW
Declared capacity for part load at outdoor temperature Tj			
Tj= -7	Pdh	16.42	kW
Tj= +2	Pdh	9.99	kW
Tj= +7	Pdh	6.06	kW
Tj= +12	Pdh	4.96	kW
Tj= bivalent temperature	Pdh	16.42	kW
Tj= operation limit	Pdh	15.14	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	P _{TO}	30.7	W
Standby mode	P _{SB}	24.0	W
Crankcase heater mode	P _{CK}	35.0	W
Other items			
Capacity control	Variable		
Sound power level, indoors/outdoors	LWA	51	dB
Annual energy consumption	Q _{HE}	7306	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	206.9	%
Declared coefficient of performance for part load at outdoor temperature Tj			
Tj= -7	COP _d	3.23	-
Tj= +2	COP _d	5.17	-
Tj= +7	COP _d	7.07	-
Tj= +12	COP _d	8.44	-
Tj= bivalent temperature	COP _d	3.23	-
Tj= operation limit	COP _d	2.93	-
Tj= -15 if TOL < -20 °C	COP _d	-	-
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*	P _{sup}	-	W
Type of energy input	Electricity		
For air to water heat pumps: Rated air flow rate, outdoors	12620		m ³ /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)			