

Manufacturer: Templari S.p.A.				
Model: MP20				
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	17.65	kW	
Declared capacity for part load at outdoor temperature Tj				
Tj= -7	Pdh	15.61	kW	
Tj= +2	Pdh	9.50	kW	
Tj= +7	Pdh	5.76	kW	
Tj= +12	Pdh	5.52	kW	
Tj= bivalent temperature	Pdh	15.61	kW	
Tj= operation limit	Pdh	14.36	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}	8861	kWh	

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	161.6	%
Declared coefficient of performance for part load at outdoor temperature Tj			
Tj= -7	COP _d	2.27	-
Tj= +2	COP _d	4.07	-
Tj= +7	COP _d	5.63	-
Tj= +12	COP _d	8.36	-
Tj= bivalent temperature	COP _d	2.27	-
Tj= operation limit	COP _d	2.00	-
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)				

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