

Manufacturer: Templari S.p.A.				
Model: LR Plus 45				
Refrigerant: R32				
Equipped with a supplementary heater: no				
Heat pump combination heater: no				
Application: low temperature				
Climate: average				
Item		Symbol	Value	Unit
Rated heat output *		Prated	47.26	kW
Declared capacity for part load at outdoor temperature Tj				
Tj= -7	Pdh	41.81	kW	
Tj= +2	Pdh	25.51	kW	
Tj= +7	Pdh	17.54	kW	
Tj= +12	Pdh	16.53	kW	
Tj= bivalent temperature	Pdh	41.81	kW	
Tj= operation limit	Pdh	39.02	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	60.9	dB	
Annual energy consumption	QHE	19725	kWh	

Item		Symbol	Value	Unit
Seasonal space heating energy efficiency		ηs	195	%
Declared coefficient of performance for part load at outdoor temperature Tj				
Tj= -7	COPd	3.47	-	
Tj= +2	COPd	4.38	-	
Tj= +7	COPd	7.04	-	
Tj= +12	COPd	10.42	-	
Tj= bivalent temperature	COPd	3.47	-	
Tj= operation limit	COPd	3.16	-	
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	55	°C	
Supplementary heater				
Rated heat output*	Psup	-	W	
Type of energy input	Electricity			
For air to water heat pumps: Rated air flow rate, outdoors	18040		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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