

## Water-cooled liquid chillers water source heat pump

Performance Information		
Mode		Cooling
Cooling Capacity <sup>(1)</sup>	kW	151
Cooling Efficiency (EER) <sup>(1)</sup>	kW/kW	3.00
Heating Capacity to Reject <sup>(1)</sup>	kW	200
Unit Power Input <sup>(1)</sup>	kW	50.4
Sound power level (LwA) <sup>(1)</sup>	dB(A)	78.4
Sound Pressure Level at 1.0m (LpA) <sup>(1)</sup>	dB(A)	62.0
Minimum Capacity <sup>(2)</sup>	kW	37.5
Maximum Capacity	kW	151

(1) All performances are compliant with EN14511 – 3 : 2018. Sound power level according to ISO9614 – 1. Due to the minimum flow rate allowable, a lower inlet water temperature might have to be specified to achieve this performance.  
(2)

Operating Conditions		
System element		Cooling
<b>Evaporator</b>		
Fluid	Fluid Type	<b>Ethylene Glycol 35%</b>
	Fouling Factor (sqm-K)/kW	0
	Leaving Temperature °C	5.0
	Entering Temperature °C	10.0
	Fluid Flow l/s	8.05
	Total Pressure Drop kPa	27.3
<b>Condenser</b>		
Fluid	Fluid Type	<b>Ethylene Glycol 35%</b>
	Fouling Factor (sqm-K)/kW	0
	Leaving Temperature °C	45.0
	Entering Temperature °C	40.0
	Fluid Flow l/s	10.4
Total Pressure Drop kPa	31.5	
Altitude m		0

Unit Configuration	
266	Welded evaporator connection kit
267	Welded condenser water connection kit
6B	Low-temperature brine solution
70F	External disconnect handle
EU	Europe Compliance

Non contractual picture

Seasonal Efficiency <sup>(3)(4)</sup>		
Allowed applications for CE mark:		
Low Temp. Comfort Heating : T<55°C	SCOP 30/35°C   η <sub>s</sub> heat	6.01   232
<b>Medium Temp. Comfort Heating : T&gt;=55°C*</b>	<b>SCOP 47/55°C   η<sub>s</sub> heat</b>	<b>4.80   184</b>
Comfort Cooling : T>=2°C	SEER 12/7°C   η <sub>s</sub> cool	5.99   236
Comfort Cooling : T>=13°C	SEER 23/18°C   η <sub>s</sub> cool	6.46   255
Medium Temp. Process Cooling : T<2°C	SEPR -2/-8°C	4.49
High Temp. Process Cooling : T>=2°C	SEPR 12/7°C	6.54

Unit Information		
Manufacturing Source		
RefrigerantType		
Refrigerant Weight	kg	24
Tonnes CO2 Equivalent	Tonnes	50.6
Number of Refrigerant Circuit		2
Number of Passes (Evaporator / Condenser)		1 / 1
Connection Diameter (Evaporator)	mm	88.9
Connection Diameter (Condenser)	mm	88.9
Number of Compressor		4
Operating / Shipping Weight	kg	908/849
Unit Dimensions (LxWxH)	mm	1618x897x1574

Electric Information		
Unit Voltage	V-Ph-Hz	400-3-50
Standby Power	kW	0.030
Power Factor		0.850
Electrical Circuit		<b>Supply 1</b>
Maximum Current	A	116
Startup Current	A	284