



TRANE®

Information requirements for comfort chillers

Model(s):	RTSF 110 G AA - HiVi - R1234ze
Outdoor side heat exchanger of chiller:	water/brine
Indoor side heat exchanger of chiller:	water
Type:	compressor driven vapour compression
Driver of compressor:	electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	385.7	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	237.1	%
Declared cooling capacity for part load at given outdoor temperatures Tj				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj = +35 °C	P_{dc}	385.7	kW	Tj = +35 °C	EER_d	4.3	kW/kW
Tj = +30 °C	P_{dc}	284.2	kW	Tj = +30 °C	EER_d	5.5	kW/kW
Tj = +25 °C	P_{dc}	182.7	kW	Tj = +25 °C	EER_d	6.8	kW/kW
Tj = +20 °C	P_{dc}	81.2	kW	Tj = +20 °C	EER_d	7.6	kW/kW
Degradation co-efficient for chillers (*)	C_{dc}	0.9	—				

Power consumption in modes other than 'active mode'

Off mode	P_{OFF}	0.000	kW	Crankcase heater mode	P_{CK}	0.361	kW
Thermostat-off mode	P_{TO}	0.249	kW	Standby mode	P_{SB}	0.361	kW

Other items

Capacity control	Variable			For air-to-water comfort chillers: air flow rate, outdoor measured	—	NA	m ³ /h
Sound power level, outdoor	L_{WA}	-	dB(A)	For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	—	82	m ³ /h
GWP of the refrigerant		<1	kg CO2 eq (100 years)				

Standard rating conditions used: low temperature application

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(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.