



TRANE®

Information requirements for comfort chillers

Model(s):	RTWD 060 HSE - LoVi - R134a
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	$P_{rated,c}$	243.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	218.2	%
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}	243.6	kW	Tj = +35 °C	EER_d	5.0	kW/kW
Tj = +30 °C	P_{dc}	179.5	kW	Tj = +30 °C	EER_d	6.1	kW/kW
Tj = +25 °C	P_{dc}	115.4	kW	Tj = +25 °C	EER_d	7.5	kW/kW
Tj = +20 °C	P_{dc}	64.1	kW	Tj = +20 °C	EER_d	5.8	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}	0.720	kW
Thermostat-off mode	P_{TO}	1.180	kW	Standby mode	P_{SB}	0.720	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	—	50	m ³ /h
GWP of the refrigerant		1 430	kg CO2 eq (100 years)				

Standard rating conditions used: low temperature application

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