



**TRANE®**

Information requirements for comfort chillers							
Model(s):		RTHD 375 HSE					
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	$P_{rated,c}$	1 292.8	kW	Seasonal space cooling energy efficiency	$\eta_{sc}$	344.6	%
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			
T j = +35 °C	$P_{dc}$	1292.8	kW	T j = +35 °C	$EER_d$	5.7	kW/kW
T j = +30 °C	$P_{dc}$	954.2	kW	T j = +30 °C	$EER_d$	7.6	kW/kW
T j = +25 °C	$P_{dc}$	614.3	kW	T j = +25 °C	$EER_d$	9.8	kW/kW
T j = +20 °C	$P_{dc}$	389.7	kW	T j = +20 °C	$EER_d$	11.4	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	$P_{CK}$	0.240	kW
Thermostat-off mode	$P_{TO}$	0.775	kW	Standby mode	$P_{SB}$	0.240	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	—	NA	m <sup>3</sup> /h
Sound power level, outdoor	$L_{WA}$	78.0	dB(A)	For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	—	262	m <sup>3</sup> /h
GWP of the refrigerant		1 430	kg CO2 eq (100 years)				
Standard rating conditions used:		low temperature application					
Contact details		TRANE 88190 Golbey - France					
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.							