



TRANE®

Information requirements for comfort chillers							
Model(s):	RTHF 460 HSE AA						
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	$P_{rated,c}$	1 578.3	kW	Seasonal space cooling energy efficiency	η_{sc}	300.1	%
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			
T j = +35 °C	P_{dc}	1578.3	kW	T j = +35 °C	EER_d	5.7	kW/kW
T j = +30 °C	P_{dc}	1167.9	kW	T j = +30 °C	EER_d	7.2	kW/kW
T j = +25 °C	P_{dc}	741.8	kW	T j = +25 °C	EER_d	8.6	kW/kW
T j = +20 °C	P_{dc}	331.4	kW	T j = +20 °C	EER_d	8.8	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}	0.430	kW
Thermostat-off mode	P_{TO}	3.891	kW	Standby mode	P_{SB}	0.430	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	—	250	m ³ /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.							