



TRANE®

RTAF 380 XE XLN R134a

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Select the unit

Information requirements for comfort chillers

Model(s):	RTAF 380 XE XLN R134a
Outdoor side heat exchanger of chiller:	air
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	$P_{rated,c}$	1 375.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	202.0	%
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}	1375.4	kW	T j = +35 °C	EER_d	3.3	kW/kW
T j = +30 °C	P_{dc}	1013.4	kW	T j = +30 °C	EER_d	4.2	kW/kW
T j = +25 °C	P_{dc}	652.8	kW	T j = +25 °C	EER_d	5.8	kW/kW
T j = +20 °C	P_{dc}	289.7	kW	T j = +20 °C	EER_d	7.0	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_{CX}	0.995	kW
Thermostat-off mode	P_{TO}	1.607	kW	Standby mode	P_{SB}	0.995	kW

Other items

Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	—	474459	m ³ /h
Sound power level, outdoor	L_{WA}	95.0	dB(A)	For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	—	NA	m ³ /h
GWP of the refrigerant		1 430	kg CO ₂ 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