

TECHNICAL DATASHEET



TWA/FC 1431 TT/H

PRODUCT FICHE according to European Regulation n° 2016/2281: Information requirements for high temperature process chillers			
Model:	TWA/FC 1431 TT/H		
Type of condensing:	Air-Cooled		
Refrigerant fluid:	R1234ze		
Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	7.43	[-]
Annual electricity consumption	Q	1314163	kWh/a
Parameters at full load and reference ambient temperature at rating point A (**)			
Rated refrigeration capacity	P _A	1322.34	kW
Rated power input	D _A	385.59	kW
Rated energy efficiency ratio	EER _{DCA}	3.43	[-]
Parameters at rating point B			
Declared refrigeration capacity	P _B	1229.78	kW
Declared power input	D _B	250.98	kW
Declared energy efficiency ratio	EER _{DCB}	4.9	[-]
Parameters at rating point C			
Declared refrigeration capacity	P _C	1150.44	kW
Declared power input	D _C	150.98	kW
Declared energy efficiency ratio	EER _{DCC}	7.62	[-]
Parameters at rating point D			
Declared refrigeration capacity	P _D	1057.87	kW
Declared power input	D _D	123.15	kW
Declared energy efficiency ratio	EER _{DCD}	8.59	[-]
Other items			
Capacity control		variable	
Degradation co-efficient chillers (*)	C _{dc}	0.90	[-]
GWP of the refrigerant		4.94	kg CO2 eq (100 years)
(**) If C _{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0.9.			
(**) For staged capacity units, two values divides by a slash ('/') will be declared in each box in the section referring to 'refrigeration capacity' and 'EER'.			