

TECHNICAL DATASHEET



TWA/FC 831 TT/H

PRODUCT FICHE according to European Regulation n° 2016/2281: Information requirements for high temperature process chillers			
Model:	TWA/FC 831 TT/H		
Type of condensing:			Air-Cooled
Refrigerant fluid:			R1234ze
Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	7.42	[-]
Annual electricity consumption	Q	794297	kWh/a
Parameters at full load and reference ambient temperature at rating point A (**)			
Rated refrigeration capacity	P _A	798.17	kW
Rated power input	D _A	236.32	kW
Rated energy efficiency ratio	EER _{DCA}	3.38	[-]
Parameters at rating point B			
Declared refrigeration capacity	P _B	742.29	kW
Declared power input	D _B	155.29	kW
Declared energy efficiency ratio	EER _{DCB}	4.78	[-]
Parameters at rating point C			
Declared refrigeration capacity	P _C	694.4	kW
Declared power input	D _C	91.49	kW
Declared energy efficiency ratio	EER _{DCC}	7.59	[-]
Parameters at rating point D			
Declared refrigeration capacity	P _D	638.53	kW
Declared power input	D _D	73.31	kW
Declared energy efficiency ratio	EER _{DCD}	8.71	[-]
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'.			