

TECHNICAL DATASHEET



TWH 412 VV/H/A

PRODUCT FICHE according to European Regulation n° 2016/2281: Information requirements for high temperature process chillers			
Model:	TWH 412 VV/H/A		
Type of condensing:	Water-Cooled		
Refrigerant fluid:	R1234ze		
Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	8	[-]
Annual electricity consumption	Q	449769	kWh/a
Parameters at full load and reference ambient temperature at rating point A (**)			
Rated refrigeration capacity	P _A	487.59	kW
Rated power input	D _A	91.99	kW
Rated energy efficiency ratio	EER _{DCA}	5.3	[-]
Parameters at rating point B			
Declared refrigeration capacity	P _B	453.46	kW
Declared power input	D _B	57.04	kW
Declared energy efficiency ratio	EER _{DCB}	7.95	[-]
Parameters at rating point C			
Declared refrigeration capacity	P _C	424.2	kW
Declared power input	D _C	51.99	kW
Declared energy efficiency ratio	EER _{DCC}	8.16	[-]
Parameters at rating point D			
Declared refrigeration capacity	P _D	390.07	kW
Declared power input	D _D	48.82	kW
Declared energy efficiency ratio	EER _{DCD}	7.99	[-]
Other items			
Capacity control		variable	
Degradation co-efficient chillers (*)	C _{dc}	0.90	[-]
GWP of the refrigerant		4.94	kg CO ₂ 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'.			