

TECHNICAL DATASHEET



TWH 612 VV/H/A

PRODUCT FICHE according to European Regulation n° 2016/2281: Information requirements for high temperature process chillers			
Model:	TWH 612 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	7.92	[-]
Annual electricity consumption	Q	685484	kWh/a
Parameters at full load and reference ambient temperature at rating point A (**)			
Rated refrigeration capacity	P _A	735.4	kW
Rated power input	D _A	135.74	kW
Rated energy efficiency ratio	EER _{DCA}	5.42	[-]
Parameters at rating point B			
Declared refrigeration capacity	P _B	683.92	kW
Declared power input	D _B	87.68	kW
Declared energy efficiency ratio	EER _{DCB}	7.8	[-]
Parameters at rating point C			
Declared refrigeration capacity	P _C	639.8	kW
Declared power input	D _C	79.08	kW
Declared energy efficiency ratio	EER _{DCC}	8.09	[-]
Parameters at rating point D			
Declared refrigeration capacity	P _D	588.32	kW
Declared power input	D _D	74.38	kW
Declared energy efficiency ratio	EER _{DCD}	7.91	[-]
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'.			