

1P2700

PRODUCT FICHE according to European Regulation n° 2016/2281:

Information requirements for comfort chillers

Model (s)		Zeta REV 8.2 1PS					
Outdoor side heat exchanger of chiller:							air
Indoor side heat exchanger of chiller:							water
Type: compressor driven vapour compression							
If applicable: driver of the compressor : electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	81,0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	149,3	%
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			
Tj =+ 35°C	Pdc	81,0	kW	Tj =+ 35°C	EERd	3,07	-
Tj =+ 30°C	Pdc	59,7	kW	Tj =+ 30°C	EERd	3,79	-
Tj =+ 25°C	Pdc	51,7	kW	Tj =+ 25°C	EERd	4,55	-
Tj =+ 20°C	Pdc	54,1	kW	Tj =+ 20°C	EERd	5,17	-
Degradation coefficient for							
	Cdh	0,90	-				
Power consumption in modes other than "active mode"							
Off mode	POFF	0,192	kW	Crankcase heater mode	PCK	0,192	kW
Thermostat-off mode	PTO	0,375	kW	Standby mode	PSB	0,192	kW
Other items							
Capacity control		staged		For air-to-water comfort chillers: air flow rate, outdoor measured		28.000	m3/h
Sound power level, indoors	LWA	0,0	dB(A)	For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		0	m3/h
Sound power level, outdoors	LWA	82,0	dB(A)				
Emissions of nitrogen oxides	NOx (**)	-	mg/kWh				
GWP of the refrigerant		2088	kg CO2 eq				
Standard rating conditions used:	low temperature application						
Contact details	Swegon Operations S.r.l.-Via Valletta, 5-30010-Cantarana di Cona-VE- Italy						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.							
(**) From 26 September 2018.							

PRODUCT FICHE according to European Regulation n° 2016/2281:

Information requirements for high temperature process chillers

Information to identify the model(s) to which the information relates:		Zeta REV 8.2 1PS	
Type of condensing:		air-cooled	
Refrigerant fluid(s):		R410	
Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	5,53	[-]
Annual electricity consumption	Q	107.944	kWh/a
Parameters at full load and reference ambient temperature at rating point A (**)			
Rated refrigeration capacity	PA	80,58 / -	kW
Rated power input	DA	26,48	kW
Rated energy efficiency ratio	EERDC,A	3,04 / -	[-]
Parameters at rating point B			
Declared refrigeration capacity	PB	48,26 / 90,56	kW
Declared power input	DB	18,37	kW
Declared energy efficiency ratio	EERDC,B	4,36 / 4,02	[-]
Parameters at rating point C			
Declared refrigeration capacity	PC	52,36 / 98,26	kW
Declared power input	DC	13,29	kW
Declared energy efficiency ratio	EERDC,C	5,56 / 5,02	[-]
Parameters at rating point D			
Declared refrigeration capacity	PD	55,74 / 104,70	kW
Declared power input	DD	9,71	kW
Declared energy efficiency ratio	EERDC,C	6,90 / 6,07	[-]
Other items			
Capacity control		staged	
Degradation co-efficient chillers (*)	Cdc	0,90	[-]
GWP of the refrigerant		2088	kg CO2 eq (100 years)
Contact details	Swegon Operations S.r.l-Via Valletta, 5-30010-Cantarana di Cona-VE-Italy		
(*) If Cdc 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'.			