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*Condenserless chillers with scroll compressors*

**ENRC.230**

Type		Scroll
System		condenserless
Cooling capacity	kW	241.23
C.O.P.	kW/kW	5.15
E.E.R.	kW/kW	5.15
Inlet water fluid temperature	°C	12
Outlet water fluid temperature	°C	7
Fluid type	Type	water
Glycol percentage	%	
Minimum ambient temperature	°C	-20
Maximum condensing temperature	°C	60
Design condensing temperature	°C	35
Type of refrigerant gas	R	410A
Electrical feed according EN 60204-1	V/ph/Hz	400/3/50
Electrical cabinet	IP	54
<b>COMPRESSOR DATA</b>		
Number of compressors	N°	4
Number of circuits	N°	2
Total Compressors Nominal Absorbed Power	kW	46.86
Total Compressors Running current RLA	A	82.34
Steps	N°	4

<b>EVAPORATOR DATA</b>		
Number of evaporators	N°	1
Type of evaporator	Type	Shell and Tube
Nominal flow rate	m3/h	41.46
Minimum flow rate	m3/h	25,00
Maximum flow rate	m3/h	46,00
Pressure drops (Evaporator + Valves + piping)	kPa	79.49
Hydraulic connections	BSP/DN	DN125
<b>PROCESS PUMP DATA</b>		
<b>Pump P3</b>		
Maximum pump absorbed power	kW	8,30
Maximum pump absorbed current	A	14,10
Available pressure with single pump	kPa	233.29
Available pressure with double pump (optional)	kPa	224.77
<b>Pump P5 (optional)</b>		
Maximum pump absorbed power	kW	16,22
Maximum pump absorbed current	A	26,60
Available pressure with single pump (optional)	kPa	450.90
Available pressure with double pump (optional)	kPa	442.38
<b>TANK DATA</b>		
Tank volume	dm3	500
Expansion vessel volume (optional)	dm3	19
<b>TOTAL ELECTRIC DATA (standard configuration)</b>		
Nominal absorbed power	kW	55.16
Maximum absorbed current (FLA)	A	159,86
Maximum peak current (LRA)	A	348,42
Maximum peak current with soft-start (LRA) (optional)	A	303,42
<b>NOISE DATA</b>		

Sound pressure level at 10m according ISO3744	dBA	60,5
Sound pressure level at 10m according ISO3744 (Low Noise version)	dBA	56,5
<b>DIMENSIONS</b>		
Structure in galvanized steel	RAL	7035
Length	mm	5350
Width	mm	1105
Height	mm	1985
<b>WEIGHT</b>		
Empty	kg	2040
<b>FREE SPACE</b>		
Electrical Panel Side	mm	1000
Opposite Side of Electrical Panel	mm	1500
Condensing Coil Sides	mm	2500
<b>NOTE</b>		
<p>All data subject to change                  With glycol percentage over 30% and leaving water temperature lower than 0°C, pump need to be checked by technical department                  TR45 option required with ambient temperature between 40°C and 45°C, TR50 for temperature higher than 45°C                  LW option required with leaving water temperature lower than 4°C                  HW option required with leaving water temperature higher 15°C                  With ambient temperature between -20°C and -25°C, LT (low temperature) option is required</p>		