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Air-cooled liquid chillers with axial fans, plate evaporator

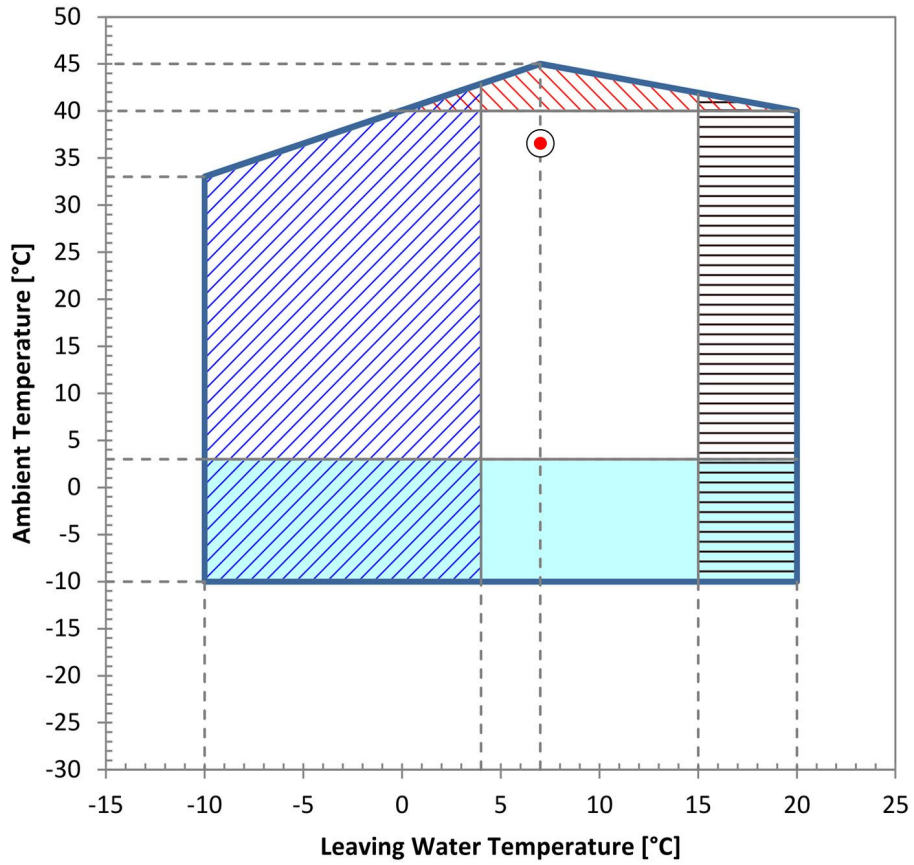
CFT.160






Type		scroll
System		air cooled
Cooling capacity	kW	150
C.O.P.	kW/kW	3.29
E.E.R.	kW/kW	2.92
Inlet water fluid temperature	°C	12
Outlet water fluid temperature	°C	7
Fluid type	Type	water
Glycol percentage	%	
Minimum ambient temperature	°C	3
Maximum ambient temperature	°C	45
Design ambient temperature	°C	35
Elevation a.s.l.	m	0
Type of refrigerant gas	R	410A
Electrical feed according EN 60204-1	V/ph/Hz	400/3/50
Electrical cabinet	IP	54
COMPRESSOR DATA		
Number of compressors	N°	4
Number of circuits	N°	2
Total Compressors Nominal Absorbed Power	kW	45.6
Total Compressors Running current RLA	A	79.39

Steps	N°	4
EVAPORATOR DATA		
Type of evaporator	Type	plate
Nominal flow rate	m3/h	25.78
Minimum flow rate	m3/h	14,0
Maximum flow rate	m3/h	34,0
Pressure drops (Evaporator + Valves + piping)	kPa	57.52
Hydraulic connections	BSP/DN	DN65
PROCESS PUMP DATA		
Pump P3 (optional)		
Maximum pump absorbed power	kW	4,56
Maximum pump absorbed current	A	7,75
Available pressure with single pump (WP option)	kPa	203.12
Available pressure with double pump (DP option)	kPa	194.73
Pump P5 (optional)		
Maximum pump absorbed power	kW	10,20
Maximum pump absorbed current	A	17,40
Available pressure with single pump (PH option)	kPa	439.76
Available pressure with double pump (DPH option)	kPa	431.37
TANK DATA (optional)		
Volume (optional)	dm3	390
Expansion vessel volume (XV option)	dm3	19
AIR AXIAL FANS AND CONDENSER DATA		
Number of condenser coils	N°	1
Number of fans	N°	3
Total absorbed power	kW	5,82
Total absorbed current	A	11,70
Total Air Flow	m3/h	57000

TOTAL ELECTRIC DATA (standard configuration)		
Nominal absorbed power	kW	51.42
Maximum absorbed current (FLA)	A	109,70
Maximum peak current (LRA)	A	225,20
Maximum peak current with soft-start (LRA) (SF option)	A	197,20
NOISE DATA		
Sound pressure level at 10m according ISO3744	dBA	61,3
Sound pressure level at 10m according ISO3744 (low noise version) (LNJ option)	dBA	60,1
DIMENSIONS		
Structure in galvanized steel	RAL	7035
Length	mm	3355
Width	mm	1105
Height	mm	2180
WEIGHT		
Empty	kg	1050
FREE SPACE		
Electrical Panel Side	mm	1000
Opposite Side of Electrical Panel	mm	1000
Condensing Coil Sides	mm	2500
NOTE		
<p>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 higher than 40°C LW option required with leaving water temperature lower than 4°C All data subject to change CFT comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers, according to minimum SEPR value.</p>		

OPERATING LIMITS



-  Operating area of standard units
-  Optional LW required
-  Optional HW required
-  Optional LT required
-  Optional TR45 required