


اطلاعات فنی | TECHNICAL DATA

MINI CHILLER	MODEL	ENR.25	ENR.30	ENR.38	ENR.45
Type		Scroll	Scroll	Scroll	Scroll
System		air cooled	air cooled	air cooled	air cooled
Cooling capacity	kW	25	31	37	45
E.E.R.	kW/kW	2.9	3.15	2.82	3.25
Inlet water fluid temperature	°C	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7
Fluid type	Type	water	water	water	water
Minimum ambient temperature	°C	-3	-3	-3	-3
Design ambient temperature	°C	35	35	35	35
Elevation a.s.l.	m	0	0	0	0
Type of refrigerant gas	R	410A	410A	410A	410A
Electrical feed according EN 60204-1	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
Electrical cabinet	IP	54	54	54	54
COMPRESSOR DATA					
Number of compressors	N°	1	1	1	1
Number of circuits	N°	1	1	1	1
Total compressors nominal absorbed power	kW	7.8	8.4	11.5	12.4
Total compressors running current RLA	A	13.91	14.62	20.02	21.59
Steps	N°	1	1	1	1
EVAPORATOR DATA					
Number of evaporators	N°	1	1	1	1
Type of evaporator	Type	Plate	Plate	Plate	Plate
Nominal flow rate	m ³ /h	4.29	5.32	6.34	7.72
Minimum flow rate	m ³ /h	3	4	5	6
Maximum flow rate	m ³ /h	6	6	12	12
Pressure drops (evaporator+valves+piping)	kPa	45	39.2	37.2	42.5
Hydraulic connections	BSP/DN	1"	1 1/2"	1 1/2"	1 1/2"
PROCESS PUMP DATA					
Pump P3					
Maximum pump absorbed power	kW	1.28	1.28	2.2	2.2
Maximum pump absorbed current	A	2.37	2.37	4.24	4.24
Available pressure with single pump	kPa	225.67	218.08	245.08	236.05
Available pressure with double pump (optional)	kPa	212.25	197.96	237.22	224
Pump P5 (optional)					
Maximum pump absorbed power	kW	1.47	1.47	2.94	2.94
Maximum pump absorbed current	A	2.86	2.32	5.83	5.83
Available pressure with single pump (optional)	kPa	489.15	422.94	617.14	576.97
Available pressure with double pump (optional)	kPa	NA	402.82	609.28	564.92
TANK DATA					
Tank volume	dm ³	110	270	270	270
Expansion vessel volume (optional)	dm ³	8	8	8	8
AIR AXIAL FANS AND CONDENSER DATA					
Number of condenser coils	N°	1	1	1	1
Number of fans	N°	1	2	2	2
Total absorbed power	kW	0.81	1.44	1.62	1.44
Total absorbed current	A	1.5	2.82	3.08	2.82
Total air flow	m ³ /h	6800	16000	16400	15000
TOTAL ELECTRIC DATA (standard configuration)					
Nominal absorbed power	kW	9.89	11.12	15.32	16.04
Maximum absorbed current (FLA)	A	21.1	24.41	31.82	37.06
Maximum peak current (LRA)	A	127.37	120.37	144.24	178.24
Maximum peak current with soft-start (LRA) (optional)	A	NA	NA	NA	NA
NOISE DATA					
Sound pressure level at 10m according ISO3744	dBA	55.4	55.3	57.5	55.8
Sound pressure level at 10m according ISO3744 (Low Noise version)	dBA	NA	54.3	57.2	54.5
PRELIMINARY DIMENSIONS					
Structure in galvanized steel	RAL	7035	7035	7035	7035
Length	mm	1010	1610	1610	1610
Width	mm	720	860	860	860
Height	mm	1585	1550	1550	1550
PRELIMINARY WEIGHT					
Empty	kg	250	375	390	410
FREE SPACE					
Electrical panel side	mm	1000	1000	1000	1000
Opposite side of electrical panel	mm	1000	1000	1000	1000
Condensing coil sides	mm	1000	1500	1500	1500

NOTE

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 higher than 40°C
 LW option required with leaving water temperature lower than 4°C
 HW option required with leaving water temperature higher than 15°C
 With ambient temperature between -3°C and -25°C, LT (low temperature) option is required
 SEPR: data comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers in the configuration with brazed plate or shell and tube evaporator (coaxial evaporator excluded) and without pump.
 Any added option that modify cooling capacity or absorbed power of the chiller will not be considered in the SEPR value