

Aircooled liquid chillers ENR series, scroll compressors, plate / coaxial evaporator, condenser with copper tubes, aluminium finned core and axial fans												
Process Cooling Application	MODELOS:	001	002	003	004	005	008	010	012	016	018	022
Pot. frigorífica - Cooling capacity	ECA											
	kW	1.3	2.2	3.4	4.6	5.3	7.9	10.2	12.2	15.8		22.5
	Frig/h	1.100	1.890	2.920	3.960	4.600	6.800	8.800	10.500	13.600		19.400
NOMINAL COOLING CAPACITY (1)	kW	1,6	2,1	3,6	4,2	5,5	7,9	9,3	12,2	13,5	18	22,0
TOTAL COMPRESSORS NOMINAL ABSORBED POWER (1)	kW	0,5	0,7	1,2	1,4	1,8	2,6	3,4	3,9	5,2	5,8	6,7
EER		2,97	2,59	2,79	2,82	2,89	2,77	2,55	2,78	2,37	2,78	2,93
SEPR (HT) (5)		4,69	4,61	4,65	4,90	4,77	4,57	4,63	4,72	4,79	4,66	4,88
COMPRESSORS	nr.	1	1	1	1	1	1	1	1	1	1	1
REFRIGERATING CIRCUITS	nr.	1	1	1	1	1	1	1	1	1	1	1
PARTITION STEP	nr.	1	1	1	1	1	1	1	1	1	1	1
REFRIGERANT	R	R410A										
HYDRAULIC SECTION												
NOMINAL WATER FLOW	m3/h	0,3	0,4	0,6	0,7	0,9	1,4	1,6	2,1	2,3	3,1	3,8
WATER FLOW RANGE	m3/h	0,3 ÷ 2	0,3 ÷ 2	0,6 ÷ 2,2	0,6 ÷ 2,2	0,8 ÷ 2,2	1,2 ÷ 2,4	1,4 ÷ 3	1,2 ÷ 2,9	1,2 ÷ 2,9	2,5 ÷ 5	3 ÷ 6
TYPE OF EVAPORATOR		Plate evaporator					Self - cleaning coaxial evaporator					
EVAPORATOR PRESSURE DROP	kPa	20	22	22	23	23	26	25	27	28	28	31
AVAILABLE PRESSURE	kPa	301	294	279	269	252	262	270	263	264	249	241
MAXIMUM PUMP ABSORBED POWER	P3	kW	0,56	0,56	0,56	0,56	0,56	0,98	0,98	0,98	0,98	1,28
MAXIMUM PUMP ABSORBED CURRENT		A	3,46	3,46	3,46	3,46	3,46	1,78	1,78	1,78	1,78	2,37
AVAILABLE PRESSURE	P5	kPa	-	-	461	451	431	611	593	562	492	518
MAXIMUM PUMP ABSORBED POWER		kW	-	-	0,74	0,74	0,74	1,10	1,10	1,10	1,10	1,47
MAXIMUM PUMP ABSORBED CURRENT	A	-	-	3,22	3,22	3,22	2,17	2,17	2,17	2,17	2,86	2,86
HYDRULIC CONNECTIONS	BSP/DN	1/2"	1/2"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	1"
TANK VOLUME	dm3	10	10	40	40	40	50	50	50	50	110	110
EXPANSION VESSEL VOLUME (3)	liters	N.A.					5					8
FAN SECTION (AXIAL)												
TOTAL AIR FLOW	m3/h	700	650	1300	1200	1500	4100	4100	4750	4750	6500	7400
FANS	nr.	1	1	1	1	1	1	1	1	1	1	1
FANS ABSORBED POWER	kW	0,07	0,11	0,09	0,09	0,10	0,25	0,25	0,49	0,49	0,68	0,81
FANS ABSORBED CURRENT	A	0,4	0,8	0,4	0,4	0,5	1,1	1,1	2,4	2,4	3,0	1,5
TOTAL ELECTRIC DATA IP54 protection rating, chillers suitable for outdoor installation												
NOMINAL ABSORBED POWER (4)	kW	1,1	1,4	1,9	2,1	2,5	3,8	4,6	5,4	6,7	7,5	8,8
MAXIMUM ABSORBED CURRENT(F.L.A.) (4)	A	6,1	7,5	9,6	10,5	12,5	10,1	10,5	13	13,9	18,8	19,8
MAXIMUM PEAK CURRENT (L.R.A.) (4)	A	16	21	27	40	46	50	50	71	71	75	104
ELECTRIC FEED	V/Ph/Hz	230/1/50					400/3/50/N					400/3/50
NOISE DATA												
SOUND PRESSURE (2) (4)	dB(A)	51	51	51	51	51	51	51	52	52	53	55,8
DIMENSIONS AND WEIGHT												
LENGTH	mm	445	445	600	600	600	820	820	820	820	1010	1010
WIDTH	mm	420	420	655	655	655	615	615	615	615	720	720
HEIGHT	mm	740	740	1035	1035	1035	1360	1360	1360	1360	1580	1580
WEIGHT EMPTY	kg	55	55	85	90	95	160	165	170	175	210	260
WEIGHT OPERATING	kg	65	65	125	130	135	210	215	220	225	340	390

The manufacturer reserves the right to modify specifications without notice

updated on 29/07/2020

Data referred to:

- (1) Inlet/Outlet water temperature = +12/+7 °C - Condenser air temperature = +35°C; fouling factor = 0.000043 m²/KW
- (2) Sound pressure level referred to measures according to normative ISO3744, pressure level at distance of 10 m, referred to free field on reflecting surface
- (3) With option XV (expansion vessel kit)
- (4) Data referred to standard configuration WP (with pump P3)
- (5) SEPR: data comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers