

**Aircooled liquid chillers EET series, screw compressors R134a, shell and tube evaporator, brazed-plate economizers, condenser with copper tubes and aluminium finned core and axial fans**

<b>Cooling Big Evolution</b>	<b>Model</b>	<b>210</b>	<b>250</b>	<b>300</b>	<b>330</b>	<b>380</b>	<b>430</b>	<b>510</b>	<b>580</b>	<b>650</b>	<b>700</b>	<b>750</b>	<b>800</b>	<b>920</b>	<b>1000</b>	<b>1100</b>	<b>1210</b>	<b>1350</b>	<b>1500</b>	
NOMINAL COOLING CAPACITY (1)	kW	223	252	311	335	399	444	534	609	670	723	758	824	946	1035	1124	1277	1410	1589	
TOTAL COMPRESSORS NOMINAL ABSORBED POWER (1)	kW	70,6	75,0	97,6	102,4	114,0	134,8	168,8	189,0	195,0	214,0	231,4	232,2	263,6	290,8	314,4	379,8	452,6	474,4	
COP (1)	kW/kW	3,16	3,36	3,19	3,27	3,50	3,29	3,16	3,22	3,44	3,38	3,28	3,55	3,59	3,56	3,58	3,36	3,12	3,35	
EER (1)	kW/kW	2,85	3,04	2,85	2,94	3,18	2,95	2,90	2,98	3,13	3,10	3,02	3,23	3,21	3,22	3,25	3,08	2,87	3,07	
ESEER		4,08	4,25	4,28	4,25	4,25	4,37	4,23	4,26	4,35	4,25	4,27	4,47	4,45	4,30	4,38	4,30	4,29	4,32	
IPLV		4,69	4,80	4,82	4,80	4,82	5,00	4,82	4,86	4,86	4,82	4,87	5,13	5,07	4,86	5,00	4,86	4,84	4,89	
COMPRESSORS	nr.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
REFRIGERATING CIRCUITS	nr.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
PARTITION STEPS	%	0-33-66-100					0-25-50-75-100													
<b>HYDRAULIC SECTION</b>																				
NOMINAL WATER FLOW	m <sup>3</sup> /h	38,4	43,4	53,6	57,7	68,7	76,5	92,0	104,9	115,4	124,5	130,6	141,9	163,0	178,3	193,6	220,0	242,9	273,7	
EVAPORATOR PRESSURE DROP	kPa	42	40	40	44	57	61	43	61	67	72	76	59	65	71	70	69	76	82	
AVAILABLE PRESSURE (2)	mca	24,5	24,5	28,4	24,5	22,9	25,4	25,0	24,0	23,3	26,8	25,9	26,6	27,0	24,9	28,4	25,6	23,9	19,4	
PUMP MOTOR NOMINAL POWER (2)	kW	5,5	5,5	7,5	7,5	7,5	11,0	11,0	15,0	15,0	18,5	18,5	18,5	22,0	22,0	30,0	30,0	30,0	30,0	
HYDRAULIC CONNECTIONS (VICTAULIC)	DN	125	125	125	125	125	150	150	150	150	150	200	200	200	200	200	200	200	200	
TANK VOLUME (2)	dm <sup>3</sup>	450	450	600	600	600	600	600	600	600	600	600	800	800	800	800	800	1000	1000	
<b>FAN SECTION (AXIAL)</b>																				
TOTAL AIR FLOW	m <sup>3</sup> /h	76000	72000	126000	111000	108000	168000	156000	152000	180000	185000	183000	222000	308000	304000	296000	333000	360000	396000	
FANS	nr.	4	4	6	6	6	8	8	8	10	10	10	12	16	16	16	18	20	22	
FANS ABSORBED POWER	KW	7,76	7,76	11,64	11,64	11,64	15,52	15,52	15,52	19,40	19,40	19,40	23,28	31,04	31,04	31,04	34,92	38,80	42,68	
FANS ABSORBED CURRENT	A	15,60	15,60	23,40	23,40	23,40	31,20	31,20	31,20	39,00	39,00	39,00	46,80	62,40	62,40	62,40	70,20	78,00	85,80	
<b>TOTAL ELECTRIC DATA</b>																				
MAXIMUM ASSORBED CURRENT PER COMPRESSOR (F.L.A.)	A	115	122	146	163	183	209	254	294	319	319	358	374	430	473	508	589	580	637	
MAXIMUM PEAK CURRENT PER COMPRESSOR (PW) (L.R.A.)	A	239-450	239-450	329-530	423-650	497-765	640-985	646-950	915-1345	996-1465	996-1465	996-1465	527-1580	693-2080	777-2330	827-2480	915-2745	935-2805	935-2805	
MOTOR CONNECTION (PW = part winding; Y-D = star-delta)	PW	PW	PW	PW	PW	PW	PW	PW	PW	PW	PW	PW	Y-D	Y-D	Y-D	Y-D	Y-D	Y-D	Y-D	
ELECTRIC FEED	V/Ph/Hz	400/3/50																		
<b>NOISE DATA</b>																				
SOUND PRESSURE (3)	dB(A)	64,2	64,4	63,7	64,0	64,5	65,3	67,8	69,8	70,1	71,0	71,2	71,5	71,7	72,3	73,1	73,5	74,7	74,9	
<b>DIMENSIONS AND WEIGHT</b>																				
LENGTH	mm	3100	3100	4050	4050	4050	5000	5000	5000	5950	5950	5950	6900	8800	8800	8800	9750	10700	11650	
WIDTH	mm	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	
HEIGHT	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	
WEIGHT EMPTY	kg	3000	3150	3900	4200	4300	4600	4700	4900	5600	5850	6000	6500	8300	8400	8500	9400	10400	11300	
WEIGHT OPERATIVE	kg	3150	3300	4060	4370	4480	4780	4890	5100	5820	6100	6290	6790	8620	8750	8850	9750	10780	11690	

The manufacturer reserves the right to modify specifications without notice.

updated on 08/04/2015

Data referred to:

(1) 100% of Load - Inlet/Outlet water temperature = +12/+7 °C - Condenser air temperature = +35°C; fouling factor = 0.000043 m<sup>2</sup>/K/W.

(2) With options NT.WP (no tank - water pump) or T.WP (tank - water pump).

(3) Sound pressure level referred to measures according to normative ISO3744, pressure level at distance of 10 m, referred to free field on reflecting surface