

**Aircooled liquid chillers ENR-CB series for biogas application, scroll compressors, brased plate evaporator, condenser with copper tubes and aluminium finned core and axial fans, RV "fan speed cut-phase regulator" included, RC "crankease heater" included**

<b>Process Cooling Application</b>	<b>Model</b>	<b>004</b>	<b>005</b>	<b>008</b>	<b>010</b>	<b>012</b>	<b>016</b>	<b>018</b>	<b>022</b>
NOMINAL COOLING CAPACITY (1)	kW	4,6	5,3	7,9	10,2	12,2	15,8	18,0	22,5
NOMINAL COOLING CAPACITY (1)	Frig/h	3956	4558	6794	8772	10492	13588	15480	19350
TOTAL COMPRESSORS NOMINAL ABSORBED POWER (1)	kW	1,7	1,7	2,6	3,4	3,9	5,2	5,8	6,7
COP	kW/kW	2,74	3,10	2,99	2,98	3,10	3,05	3,08	3,35
EER	kW/kW	2,58	2,92	2,74	2,78	2,75	2,79	2,76	2,99
ESEER		3,4	3,3	3,3	3,6	3,8	3,9	3,9	3,8
IPLV		3,9	4,1	4,1	4,1	4,3	4,3	4,3	4,5
COMPRESSORS	nr.	1	1	1	1	1	1	1	1
REFRIGERATING CIRCUITS	nr.	1	1	1	1	1	1	1	1
PARTION STEP	nr.	1	1	1	1	1	1	1	1
REFRIGERANT		R410A							
<b>HYDRAULIC SECTION</b>									
NOMINAL WATER FLOW	m3/h	0,8	0,9	1,4	1,8	2,1	2,7	3,1	3,9
EVAPORATOR PRESSURE DROP	kPa	41	55	48	52	52	60	66	71
AVAILABLE PRESSURE	mca	10	9	16	15	14	12	11	11
MAXIMUM PUMP ABSORBED POWER	kW	0,25	0,25	0,62	0,62	0,62	0,62	0,62	0,76
MAXIMUM PUMP ABSORBED CURRENT	A	1,9	1,9	1,35	1,35	1,35	1,35	1,35	1,48
HYDRAULIC CONNECTIONS	BSP/DN	1/2"	3/4"	1"	1"	1"	1"	1"	1"
TANK VOLUME	dm3	40	40	50	50	50	50	110	110
<b>FAN SECTION (AXIAL)</b>									
TOTAL AIR FLOW	m3/h	1200	1500	4100	4100	4750	4750	6500	7400
FANS	nr.	1	1	1	1	1	1	1	1
FANS ABSORBED POWER	kW	0,10	0,10	0,25	0,25	0,49	0,49	0,68	0,81
FANS ABSORBED CURRENT	A	0,52	0,52	1,10	1,10	2,36	2,36	3,00	1,54
<b>TOTAL ELECTRIC DATA</b>									
NOMINAL ABSORBED POWER	kW	2,0	2,1	3,5	4,3	5,1	6,3	7,1	8,3
MAXIMUM ABSORBED CURRENT(F.L.A.)	A	9,4	11,2	9,8	10,1	12,9	13,5	18,4	18,9
MAXIMUM PEAK CURRENT (L.R.A.)	A	38,9	44,9	49,4	49,4	70,4	70,4	74,4	103,5
<b>ELECTRIC FEED</b>	V/Ph/Hz	230/1/50			400/3/50N				
<b>NOISE DATA</b>									
SOUND PRESSURE (2)	dB(A)	51,6	51,5	51,4	51,4	52,2	52,2	53,3	55,5
<b>DIMENSIONS AND WEIGHT</b>									
LENGTH	mm	600	600	820	820	820	820	1010	1010
WIDTH	mm	655	655	615	615	615	615	720	720
HEIGHT	mm	1035	1035	1360	1360	1360	1360	1580	1580
WEIGHT EMPTY	kg	90	102	175	180	185	190	230	260
WEIGHT OPERATIVE	kg	130	145	225	230	235	240	360	390

The manufacturer reserves the right to modify specifications without notice.

Updated on 29/08/2014

Data referred to:

(1) Inlet/Outlet water temperature = +12/+7 °C - Condenser air temperature = +35°C; fouling factor = 0.000043 m²K/W

(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

**Aircooled liquid chillers ENR-CB series for biogas application, scroll compressors, brased plate evaporator, condenser with copper tubes and aluminium finned core and axial fans, RV "fan speed cut-phase regulator" included, RC "crankease heater" included**

<b>Process Cooling Application</b>	<b>Model</b>	<b>030</b>	<b>038</b>	<b>045</b>	<b>055</b>	<b>061</b>	<b>070</b>	<b>075</b>	<b>090</b>	<b>100</b>	<b>130</b>	<b>160</b>	<b>185</b>	<b>230</b>	<b>280</b>	<b>340</b>
NOMINAL COOLING CAPACITY (1)	kW	31	37	45	55	61	67	72	88	100	115	150	170	226	278	319
NOMINAL COOLING CAPACITY (1)	Frig/h	26772	32035	39035	47463	52752	57938	62195	75990	86120	99106	128862	146234	194360	239080	274486
TOTAL COMPRESSORS NOMINAL ABSORBED POWER (1)	kW	8,4	11,5	12,5	17,6	17,1	19,2	22,3	25,2	29,1	35,7	45,6	52,6	66,2	84,9	97,4
COP	kW/kW	3,71	3,24	3,63	3,14	3,59	3,50	3,24	3,51	3,45	3,23	3,29	3,23	3,42	3,28	3,28
EER	kW/kW	3,16	2,84	3,26	2,88	2,93	2,91	2,76	3,04	3,04	2,91	2,92	2,91	2,98	2,94	2,98
ESEER		4,7	4,3	4,7	4,6	4,5	4,3	4,2	4,4	4,5	4,7	4,3	4,4	4,0	4,1	4,1
IPLV		5,3	4,8	5,3	5,2	5,0	4,8	4,7	4,9	5,0	5,3	4,8	4,9	4,6	4,7	4,8
COMPRESSORS	nr.	1	1	1	1	2	2	2	2	2	4	4	4	4	4	4
REFRIGERATING CIRCUITS	nr.	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
PARTION STEP	nr.	1	1	1	1	1/1	1/1	1/1	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2
REFRIGERANT		R410A														
<b>HYDRAULIC SECTION</b>																
NOMINAL WATER FLOW	m3/h	5,4	6,4	7,8	9,5	10,6	11,6	12,4	15,2	17,2	19,8	25,8	29,2	38,9	47,8	54,9
EVAPORATOR PRESSURE DROP	kPa	70	73	71	71	87	40	45	60	58	77	49	56	72	67	68
AVAILABLE PRESSURE	mca	10	12	12	12	10	14	13	10	11	15	16	13	11	10	13
MAXIMUM PUMP ABSORBED POWER	kW	0,76	1,31	1,31	1,31	1,31	1,31	1,31	1,31	1,76	2,57	2,57	2,57	3,49	3,49	4,58
MAXIMUM PUMP ABSORBED CURRENT	A	1,48	2,39	2,39	2,39	2,39	2,39	2,39	2,39	3,17	4,64	4,64	4,64	6,14	6,14	7,77
HYDRAULIC CONNECTIONS	BSP/DN	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	DN65	DN65	DN65	DN125	DN125	DN125
TANK VOLUME	dm3	200	200	200	200	390	390	390	390	390	390	390	390	500	500	500
<b>FAN SECTION (AXIAL)</b>																
TOTAL AIR FLOW	m3/h	15400	16400	14350	15200	38000	36800	36800	34800	32400	39500	55800	54000	91000	90000	85000
FANS	nr.	2	2	2	2	2	2	2	2	2	2	3	3	5	5	5
FANS ABSORBED POWER	kW	1,44	1,62	1,44	1,62	3,88	3,88	3,88	3,88	3,88	3,88	5,82	5,82	9,70	9,70	9,70
FANS ABSORBED CURRENT	A	2,82	3,08	2,82	3,08	7,80	7,80	7,80	7,80	7,80	7,80	11,70	11,70	19,50	19,50	19,50
<b>TOTAL ELECTRIC DATA</b>																
NOMINAL ABSORBED POWER	kW	10,6	14,4	15,3	20,5	22,3	24,4	27,5	30,4	34,7	42,2	54,0	61,0	79,4	98,1	111,6
MAXIMUM ABSORBED CURRENT(F.L.A.)	A	23,5	29,9	35,2	41,9	48,7	53,9	59,1	70,2	77,4	89,4	114,2	136,3	171,4	204,1	235,1
MAXIMUM PEAK CURRENT (L.R.A.)	A	119,5	142,4	176,4	227,4	147,4	169,4	174,7	214,2	266,0	188,1	229,8	280,3	360,0	431,5	485,8
ELECTRIC FEED	V/Ph/Hz	400/3/50														
<b>NOISE DATA</b>																
SOUND PRESSURE (2)	dB(A)	54,8	57,5	55,3	58,8	59,1	59,2	59,3	59,5	60,3	59,5	61,1	61,4	64,3	65,7	65,7
<b>DIMENSIONS AND WEIGHT</b>																
LENGTH	mm	1610	1610	1610	1610	2220	2220	2220	2220	2220	3355	3355	3355	5350	5350	5350
WIDTH	mm	860	860	860	860	1100	1100	1100	1100	1100	1105	1105	1105	1105	1105	1105
HEIGHT	mm	1540	1540	1540	1540	2100	2100	2100	2100	2100	2180	2180	2180	2180	2180	2180
WEIGHT EMPTY	kg	390	400	430	450	810	820	830	855	930	1550	1590	1650	2210	2270	2730
WEIGHT OPERATIVE	kg	690	700	730	750	1240	1250	1260	1285	1360	2250	2290	2350	3060	3120	3570

The manufacturer reserves the right to modify specifications without notice.

Updated on 28/08/2014

Data referred to:

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

(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