

Aircooled liquid chillers CFT series, scroll compressors R410A, plate evaporator, condenser with copper tubes, aluminium finned core and axial fans

SCC (Super Comfort Chiller) Cooling Plus Energy® Series	Model	CFT	012	016	018	022	030	038	045	055	061	070	075	090	100
NOMINAL COOLING CAPACITY (1)		kW	12,2	15,8	18	22,5	31,7	39	45	52	61	66	78	90	100
NOMINAL COOLING CAPACITY (1)		Frig/h	10492	13588	15480	19350	27262	33540	38700	44720	52460	56760	67080	77400	86000
COMPRESSORS NOMINAL ABSORBED POWER (1)		kW	3,9	5,2	5,8	6,7	8,9	11,5	12,9	17,0	17,8	20,5	23,0	25,9	30,7
COP		kW/kW	3,13	3,04	3,10	3,36	3,56	3,39	3,49	3,06	3,43	3,22	3,39	3,47	3,26
EER		kW/kW	2,7	2,7	2,8	3,0	3,07	2,97	3,14	2,79	3,00	2,70	2,90	3,02	2,89
ESEER			3,8	3,9	3,9	3,8	4,2	4,4	4,4	4,3	4,2	4,3	4,3	4,2	4,3
IPLV			4,3	4,3	4,3	4,5	4,9	5,1	5,1	5,1	5,0	5,1	5,1	5,1	5,1
COMPRESSORS		nr.	1	1	1	1	1	1	1	1	2	2	2	2	2
CIRCUITS		nr.	1	1	1	1	1	1	1	1	1	1	1	1	1
PARTION STEP		nr.	1	1	1	1	1	1	1	1	1/1	1/1	1/1	1/1	1/1
HYDRAULIC SECTION (OPTIONAL)															
NOMINAL WATER FLOW		m3/h	2,1	2,7	3,1	3,9	5,5	6,7	7,7	8,9	10,5	11,3	13,4	15,5	16,5
EVAPORATOR PRESSURE DROP		kPa	28	30	30	31	35	30	31	33	36	35	35	38	40
AVAILABLE PRESSURE		mca	20	20	20	20	19	20	20	19	19	24	21	19	25
PUMP ABSORBED POWER		kW	0,7	0,7	0,8	0,9	0,9	0,9	1,5	1,5	1,5	1,5	2,2	2,2	3
PUMP ABSORBED CURRENT		A	1,5	1,5	1,7	2,3	2,3	2,3	3	3	3	5	5	5	6
HYDRAULIC CONNECTIONS		BSP/DN	1"	1"	1"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"
TANK VOLUME		dm3	50	50	110	110	270	270	270	270	410	410	410	410	410
FAN SECTION (AXIAL)															
TOTAL AIR FLOW		m3/h	5900	5700	5700	9100	15600	16800	14800	15600	24800	36000	36000	34000	34000
FANS		nr.	1	1	1	1	2	2	2	2	2	2	2	2	2
FANS ABSORBED POWER		kW	0,68	0,68	0,68	0,81	1,44	1,62	1,44	1,62	2,50	3,90	3,90	3,90	3,90
FANS ABSORBED CURRENT		A	3,0	3,0	3,0	1,5	2,8	3,0	2,8	3,1	5,0	7,8	7,8	7,8	7,8
TOTAL ELECTIC DATA															
NOMINAL ABSORBED POWER (WITHOUT PUMP)		kW	4,6	5,9	6,6	7,5	10,3	12,9	14,3	18,5	20,3	23,0	25,5	28,1	34,5
MAXIMUM ABSORBED CURRENT(F.L.A.)		A	12,2	12,8	17,0	17,4	23,9	29,5	33,6	43,2	47,2	55,3	60,6	69,4	78,7
MAXIMUM PEAK CURRENT (L.R.A.)		A	67	67	71	102	142	160	197	215	168	184	189	236	254
ELECTRIC FEED		V/Ph/Hz	400/3/50 N				400/3/50								
NOISE DATA															
SOUND PRESSURE (2)		dB(A)	50	50,3	50,9	51,6	51,0	53,5	54,0	55,1	55,5	56,0	57,5	58,5	59,5
DIMENSIONS AND WEIGHT															
LENGTH		mm	820	820	1008	1008	1610	1610	1610	1610	2220	2220	2220	2220	2220
WIDTH		mm	615	615	718	718	860	860	860	860	1100	1100	1100	1100	1100
HEIGHT		mm	1360	1360	1580	1580	1540	1540	1540	1540	2100	2100	2100	2100	2100
WEIGHT EMPTY		kg	185	190	230	260	390	400	430	450	810	820	830	855	930
WEIGHT OPERATING		kg	235	240	360	390	690	700	730	750	1240	1250	1260	1285	1360

The manufacturer reserves the right to modify specifications without notice

Data referred to:

(1) Inlet/Outlet water temperature = +12/+7 °C - Co ndenser 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

updated on 16/07/2013

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						RV "fan speed cut-phase regulator" included					
SCC (Super Comfort Chiller) Cooling Plus Energy® Series	Model	CFT	130	160	185	230	280	340	370	430	480
NOMINAL COOLING CAPACITY (1)		kW	127	156	184	227	277	340	370	430	480
NOMINAL COOLING CAPACITY (1)		Frig/h	109220	134160	158240	195220	238220	292400	318200	369800	412800
COMPRESSORS NOMINAL ABSORBED POWER (1)		kW	35,7	46,0	51,8	70,1	77,6	96,0	106,9	127,8	149,5
COP		kW/kW	3,56	3,39	3,55	3,24	3,57	3,54	3,46	3,36	3,21
EER		kW/kW	3,21	3,01	3,19	2,84	3,17	3,22	3,12	3,08	2,98
ESEER			4,4	4,3	4,4	4,3	4,2	4,4	4,3	4,3	4,3
IPLV			5,2	5,2	5,1	5,1	5,0	5,0	5,1	5,1	5,0
COMPRESSORS		nr.	4	4	4	4	4	4	6	6	6
CIRCUITS		nr.	2	2	2	2	2	2	2	2	2
PARTION STEP		nr.	2/2	2/2	2/2	2/2	2/2	2/2	3/2	3/2	3/2
HYDRAULIC SECTION (OPTIONAL)											
NOMINAL WATER FLOW		m3/h	21,8	26,8	31,6	39,0	47,7	58,5	63,6	72,4	82,6
EVAPORATOR PRESSURE DROP		kPa	40	31	31	44	52	51	52	43	49
AVAILABLE PRESSURE		mca	20	19	23	19	20	25	24	22	20
PUMP ABSORBED POWER		kW	3	3	4	4	5,5	7,5	7,5	7,5	9,2
PUMP ABSORBED CURRENT		A	6	6	7,4	7,4	10,4	14,3	14,3	14,3	17
HYDRAULIC CONNECTIONS		BSP/DN	DN65	DN65	DN65	DN125	DN125	DN150	DN150	DN150	DN200
TANK VOLUME		dm3	390	390	390	500	500	500	500	500	500
FAN SECTION (AXIAL)											
TOTAL AIR FLOW		m3/h	38000	58000	54000	90000	87500	85000	108000	105000	102000
FANS		nr.	2	3	3	5	5	5	6	6	6
FANS ABSORBED POWER		kW	3,88	5,82	5,82	9,70	9,70	9,70	11,64	11,64	11,64
FANS ABSORBED CURRENT		A	7,8	11,7	11,7	19,5	19,5	19,5	23,4	23,4	23,4
TOTAL ELECTIC DATA											
NOMINAL ABSORBED POWER (WITHOUT PUMP)		kW	38,2	53,9	57,6	79,8	87,3	105,7	118,5	135,0	144,0
MAXIMUM ABSORBED CURRENT(F.L.A.)		A	92,2	117,3	134,9	179,9	219,5	265,5	285,0	323,4	369,4
MAXIMUM PEAK CURRENT (L.R.A.)		A	213	249	302	355	430	524	450	533	554
ELECTRIC FEED		V/Ph/Hz	400/3/50								
NOISE DATA											
SOUND PRESSURE (2)		dB(A)	56,4	59,3	59,7	62,2	62,6	64,9	65,5	66,5	67,1
DIMENSIONS AND WEIGHT											
LENGTH		mm	3350	3350	3350	5350	5350	5350	6350	6350	6350
WIDTH		mm	1100	1100	1100	1100	1100	1100	1100	1100	1100
HEIGHT		mm	2180	2180	2180	2180	2180	2180	2180	2180	2180
WEIGHT EMPTY		kg	1265	1440	1595	1915	2115	2160	2390	2560	2720
WEIGHT OPERATING		kg	1950	2155	2350	2695	3025	3080	3310	3480	3640

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updated on 24/06/2013

Data referred to:

(1) Inlet/Outlet water temperature = +12/+7 °C - Co ndenser 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