

WATER CHILLERS

with natural refrigerant R1270 (HC)



FRIGADON PRESENTS THE FUTURE GENERATION OF ENVIRONMENTALLY FRIENDLY CHILLERS

Frigadon has developed a range of totally environmentally friendly packaged air cooled chillers using the natural HC refrigerant R1270 (Propylene).

This range of chillers has now been extended to cover capacities between 29 to 208 kW at +7°C flow temperature and 15.6 to 200 kW at -8°C flow temperature (please see table on the back for an overview of the range).

Low temperature chillers up to 88 kW @ -31°C flow temp available on request.

All units are weather protected and can be sited outdoors in temperatures between -20°C and +38°C, for temperatures outside this range please contact Frigadon for special model.

Units come with the latest micro processor control systems where the 2, 3 and 4 circuit systems have automatic run time equalisation between compressors and the 3 and 4 circuit system controllers have the possibility for "BMS" communication.



PACKAGED UNITS WITH A COMPLETE SPECIFICATION

Never before has it been so easy to install and commission a chiller. All units come with complete controls and electrics as well as a built-in hydraulic kit with inverter drive circulation pump (separate pumping stations can be ordered).

Just connect the power supply and the flow / return pipes on the brine side and you are ready to go.



REFERENCE INSTALLATIONS

Frigadon has for more than 10 years supplied the market with environmentally friendly chillers using R1270. Numerous reference installations exist (mostly in the UK and Ireland) with high profile companies such as Sainsbury's, COOP Bank, British Land, Cooplands Bakery, Nestlé, Dunnes Stores, Braehead Foods, BP, Welcome Break Motorway Services, etc.



MODERN TESTING FACILITIES

Frigadon has all the latest testing equipment to ensure that its products have the best possible performance. ALL products are without exception thoroughly tested before delivery.

GENERAL SPECIFICATION

Frigadon FWC packaged air cooled water chillers with natural refrigerant R1270. All units equipped with semi-hermetic compressor(s) and Grundfos CRE (CRNE stainless steel version on request) inverter drive pumps. Standard colour NCS 3500 (grey), but units can be painted any RAL colour at no extra charge. High compressor COP, typically 3.5 at +7°C flow temperature.

All units manufactured in accordance with the following directives, where applicable; 98/37/CE, 72/23/EEC, 89/336/EEC, 97/23/EC, EN 60204-1, EN 50081-1,2, EN 50082-1,2, IEC 60079-15, EN 378-2.

Electrical supply 400/3N/50, duty specified at flow temp and +30°C ambient temperature.

Model	Duty at +7°C kW	Duty at -8°C kW	SPL 10m dB(A)	Ref. circ. No.	Ref. charge kg	Cap. Contr. steps %	Size WxDxH mm	Approx. weight kg
FWC-300-HC	29	15.6	45	1	1 x 5	0-100	1900x1205x2000	580
FWC-400-HC	35	18.2	46	1	1 x 5	0-100	1900x1205x2430	710
FWC-500-HC	45	22.7	47	1	1 x 5	0-100	1900x1205x2430	740
FWC-500-S(3)-HC	53	27	48	1	1 x 5	0-100	1900x1205x2430	850
FWC-500-S(4)-HC	-	33.4	49	1	1 x 5	0-100	1900x1205x2430	860
FWC-500-S(5)-HC	-	44.2	50	1	1 x 5	0-100	1900x1205x2430	900



FWC-650-HC	70	36.4	47	2	2 x 5	0-50-100	2960x1205x2590	1310
FWC-720-HC	90	45.5	47	2	2 x 5	0-50-100	2960x1205x2590	1320
FWC-870-HC	104	51.2	48	2	2 x 5	0-50-100	2960x1205x2590	1400
FWC-870-S(5)-HC	-	53.9	48	2	2 x 5	0-50-100	2960x1205x2590	1500
FWC-870-S(6)-HC	-	66.8	49	2	2 x 5	0-50-100	2960x1205x2590	1530
FWC-870-S(7)-HC	-	80.6	49	2	2 x 5	0-50-100	2960x1205x2590	1540
FWC-870-S(8)-HC	-	88.5	49	2	2 x 5	0-50-100	2960x1205x2590	1550
FWC-870-S(9)-HC	-	100.2	50	2	2 x 5	0-50-100	2960x1205x2590	1560



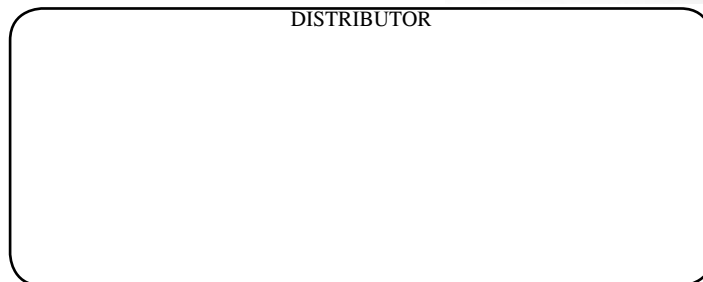
FWC-1300-HC	135	68.3	47	3	3 x 5	0-33-66-100	4260x1205x2590	2150
FWC-1500-HC	156	76.8	48	3	3 x 5	0-33-66-100	4260x1205x2590	2200
FWC-1500-S(5)-HC	-	80.9	48	3	3 x 5	0-33-66-100	4260x1205x2590	2250
FWC-1500-S(6)-HC	-	100.2	49	3	3 x 5	0-33-66-100	4260x1205x2590	2250
FWC-1500-S(7)-HC	-	120.9	49	3	3 x 5	0-33-66-100	4260x1205x2590	2300
FWC-1500-S(8)-HC	-	132.8	50	3	3 x 5	0-33-66-100	4260x1205x2590	2350
FWC-1500-S(9)-HC	-	150.3	50	3	3 x 5	0-33-66-100	4260x1205x2590	2400



FWC-2000-HC	180	91	47	4	4 x 5	0-25-50-75-100	5560x1205x2700	2900
FWC-2000-S(1)-HC	208	102	48	4	4 x 5	0-25-50-75-100	5560x1205x2700	2900
FWC-2000-S(5)-HC	-	108	48	4	4 x 5	0-25-50-75-100	5560x1205x2700	2950
FWC-2000-S(6)-HC	-	133	49	4	4 x 5	0-25-50-75-100	5560x1205x2700	3000
FWC-2000-S(7)-HC	-	161	49	4	4 x 5	0-25-50-75-100	5560x1205x2700	3050
FWC-2000-S(8)-HC	-	177	50	4	4 x 5	0-25-50-75-100	5560x1205x2700	3100
FWC-2000-S(9)-HC	-	200	50	4	4 x 5	0-25-50-75-100	5560x1205x2700	3150



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