



# HRO 660-7C 03.200 Scr

## COOLING AND HEATING PERFORMANCES

EWT (°C)	Water Flow l/s	COOLING Entering air : 25°C : 50 % RH						HEATING Entering air : 19°C			
		COOLING (W)		COMP (W)	THR (W)	Sensible / total	EF	HEATING (W)	COMP (W)	THA (W)	COP
		Total	Sensible								
13	0.31	20310	15910	4440	25270	0.78	4.19				
15	0.31	19970	15780	4630	25120	0.79	3.96				
16	1.17							23330	5710	17100	3.81
	0.89							23050	5650	16880	3.80
	0.58							22200	5440	16240	3.79
18	1.17							24480	5960	18000	3.84
	0.89							24000	5850	17630	3.83
	0.58							22780	5550	16710	3.82
20	1.17	20300	15910	4080	24900	0.78	4.52	25380	6010	18850	3.95
	0.89	19540	15610	4190	24250	0.80	4.25	24990	5950	18520	3.93
	0.58	19050	15420	4470	24040	0.81	3.90	23550	5600	17430	3.92
25	1.17	19630	15650	4600	24750	0.80	3.92	26840	6150	20170	4.09
	0.89	18880	15350	4700	24100	0.81	3.69	26500	6080	19900	4.08
	0.58	18470	15190	4860	23850	0.82	3.50	25300	5800	18980	4.07
27	1.17	19380	15540	4750	24650	0.80	3.76	27280	6200	20560	4.13
	0.89	18570	15230	4910	24000	0.82	3.49	27000	6150	20330	4.12
	0.58	18060	15030	5180	23760	0.83	3.23	26150	5950	19680	4.11
31	1.17	18840	15340	5190	24550	0.81	3.36	27940	6320	21100	4.15
	0.89	18000	15010	5360	23880	0.83	3.12	27360	6200	20640	4.14
	0.58	17370	14770	5620	23510	0.85	2.88	26400	5980	19900	4.13
35	1.17	18180	15080	5610	24310	0.83	3.02				
	0.89	17850	14950	5820	24190	0.84	2.87				
	0.58	16750	14530	6020	23290	0.87	2.60				
38	1.17	17700	14900	5990	24210	0.84	2.77				
	0.89	16860	14570	6120	23500	0.86	2.58				
	0.58	16200	14320	6470	23190	0.88	2.35				
40	1.17	17380	14770	6260	24160	0.85	2.61				
	0.89	16390	14400	6460	23370	0.88	2.39				
	0.58	15810	14170	6710	23040	0.90	2.22				
43	1.17	16800	14550	6650	23970	0.87	2.38				
	0.89	15840	14180	6760	23120	0.90	2.21				
	0.58	15040	13890	7140	22700	0.92	1.99				
46	1.17	16050	14260	7110	23680	0.89	2.13				
	0.89	15090	13900	7260	22870	0.92	1.97				
	0.58	14250	13540	7630	22400	0.95	1.77				
48	1.17	15500	14050	7380	23400	0.91	1.99				
	0.89	14490	13680	7490	22500	0.94	1.83				
	0.58	13740	13190	7930	22190	0.96	1.65				
50	1.17										
	0.89										
	0.58										

All performances quoted at nominal airflow [Medium]

### Sales [France]

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**COOLING CORRECTION FACTORS \***

31-mars-03 DT 0236

EWT °C	EAT % RH	TOTAL COOLING EAT - : 25°C	SENSIBLE COOLING EAT					COMP W	THR EAT - : 25°C
			22°C	23°C	24°C	25°C	26°C		
20	40	0.914	0.951	0.985	0.998	1.054	1.087	0.962	0.926
to	50	1.000	0.915	0.944	0.972	1.000	1.027	1.000	1.000
38	60	1.056	0.874	0.901	0.927	0.945	0.979	1.020	1.047
39	40	0.944	0.903	0.922	0.961	1.000	1.039	0.966	0.952
to	50	1.000	0.903	0.922	0.961	1.000	1.039	1.000	1.000
48	60	1.053	0.838	0.870	0.901	0.931	0.962	1.035	1.046

**HEATING CORRECTION FACTORS \***

EAT (°C)	18	19	20	21
HEATING	1.023	1.000	0.977	0.953

**Water Pressure Drop [Nominal in Bold]**

Flow Rate [l/s]	0.58	0.89	1.17
ΔD [kPa]	17.44	39.98	68.20

**AIR FLOW [ m3/h] AGAINST EXTERNAL RESISTANCE\*\***

Speed	External Static [Pa]							Nominal		
	58.8	78.4	98	117.6	137.2	156.8	117.6	137.2	137.2	
Low	4100	4000	3900	3800	3700	3500	3800			
Medium				4200	4000	3750		<b>4000</b>		
High				4200	4000	3750			<b>4000</b>	

Nominal flow in Bold

**AIR FLOW CORRECTION FACTORS\***

Air Flow %		90	100	105			Low	Medium	High
Heating		0.946	1.000	1.025			0.973	1.000	1.000
Total Cooling		0.942	1.000	1.027			0.971	1.000	1.000
Sensible Cooling		0.884	1.000	1.047			0.940	1.000	1.000

**ELECTRICAL**

Voltage	Phase	Fan Amps			Compressor Amps		Fan Abs Pwr W			Max Absorb Pwr
		low	medium	high	F/L	Start	lpw	medium	high	
400	3	3.90	4.50	4.50	8.8	101	810	930	930	10900

**INSTALLATION REQUIREMENTS**

Supply Cable Size	Mains Connection
5 Core 4.0mm	Fused Switched Spur

\* Based on Nominal Water flow

\*\* With clean filter