



ARO 1250-7C.00.24 R

COOLING AND HEATING PERFORMANCES

EWT (°C)	Water Flow (l/h)	COOLING Entering air : 25°C : 50 % RH						HEATING Entering air : 19°C			
		(W)		COMP (W)	THR (W)	Sensible / total	EF	TOT (W)	COMP (W)	THA (W)	COP
		total	sensible								
13	130	2565	2050	695	3310	0.80	3.44				
15	130	2515	2030	705	3270	0.81	3.33				
	550							2145	655	1440	3.04
	380							2080	645	1385	2.99
	250							2010	640	1320	2.91
18	550							2240	665	1525	3.13
	380							2180	660	1470	3.07
	250							2115	650	1415	3.02
20	550	2905	2190	645	3600	0.75	4.18	2340	670	1620	3.25
	380	2845	2165	655	3550	0.76	4.04	2265	665	1550	3.17
	250	2580	2060	705	3335	0.80	3.42	2185	660	1475	3.08
25	550	2600	2070	690	3340	0.80	3.51	2585	685	1850	3.52
	380	2575	2055	700	3325	0.80	3.43	2495	680	1765	3.42
	250	2365	1970	725	3140	0.83	3.05	2445	670	1725	3.40
27	550	2465	2010	700	3215	0.82	3.29	2690	695	1945	3.61
	380	2420	2000	715	3185	0.83	3.16	2610	685	1875	3.55
	250	2280	1940	745	3075	0.85	2.87	2540	675	1815	3.50
31	550	2300	1950	750	3100	0.85	2.88	2905	700	2155	3.87
	380	2255	1930	755	3060	0.86	2.80	2780	695	2035	3.73
	250	2070	1860	780	2900	0.90	2.49	2690	680	1960	3.68
35	550	2105	1870	800	2955	0.89	2.48				
	380	2015	1840	805	2870	0.91	2.36				
	250	1815	1670	830	2695	0.92	2.06				
38	550	1865	1680	820	2735	0.90	2.14				
	380	1795	1650	830	2675	0.92	2.04				
	250	1640	1525	850	2540	0.93	1.82				
40	550	1745	1600	840	2635	0.92	1.96				
	380	1690	1580	845	2585	0.93	1.89				
	250	1575	1500	860	2485	0.95	1.73				
43	550	1615	1525	855	2520	0.94	1.78				
	380	1565	1495	870	2485	0.96	1.70				
	250	1505	1460	885	2440	0.97	1.61				
46	550	1520	1465	880	2450	0.96	1.63				
	380	1370	1330	890	2310	0.97	1.46				
	250	1295	1270	915	2260	0.98	1.34				
48	550	1435	1390	895	2380	0.97	1.52				
	380	1270	1250	910	2230	0.98	1.32				
	250										
50	550										
	380										
	250										

All performances quoted at nominal air flow [Low]

COOLING CORRECTION FACTORS

26 août 2003

DT 0241

EWT °C	Entering air % RH	Total Cooling Air - : 25°C	Sensible Cooling EAT					COMP Air - : 25°C	THR Air - : 25°C
			22°C	23°C	24°C	25°C	26°C		
20	40	0.935	0.923	0.959	0.995	1.031	1.067	0.993	0.949
to	50	1.000	0.918	0.933	0.969	1.000	1.031	1.000	1.000
35	60	1.045	0.877	0.908	0.938	0.969	1.005	1.013	1.037
36	40	1.000	0.874	0.908	0.954	1.000	1.040	1.000	1.000
to	50	1.000	0.874	0.908	0.954	1.000	1.040	1.000	1.000
48	60	1.052	0.845	0.874	0.919	0.954	0.988	1.018	1.039

HEATING CORRECTION FACTORS *

Entering air (°C)	18	19	20	21
Total Heating	1.032	1.000	0.964	0.932

Water Pressure Drop [Nominal in Bold]

Flow Rate (l/h)	250	380	550
Δ P [kPa]	22.54	36.3	61.74

AIR FLOW **

Speed	Low	Medium	High
Air Flow in m ³ /h	500	550	600

Nominal Flow in Bold

AIR FLOW CORRECTION FACTORS

Speed	Low	Medium	High
Heating	1.000	1.038	1.074
Total Cooling	1.000	1.039	1.076
Sensible Cooling	1.000	1.066	1.128

ELECTRICAL

Voltage	Phase	Fan Amps			Compressor Amps		Fan Abs Power (W)			maxi Abs Pwr (W)	Fuse Rating (A)
		Low	Medium	High	F/L	Start	low	medium	high		
230	1	0.24	0.28	0.34	3.7	22	50	60	75	1200	6

INSTALLATION REQUIREMENTS

Supply Cable Size	Mains Connection
3 Core 1,5 mm ²	Fused switched spur

* Based on Nominal water flow

** With clean filter