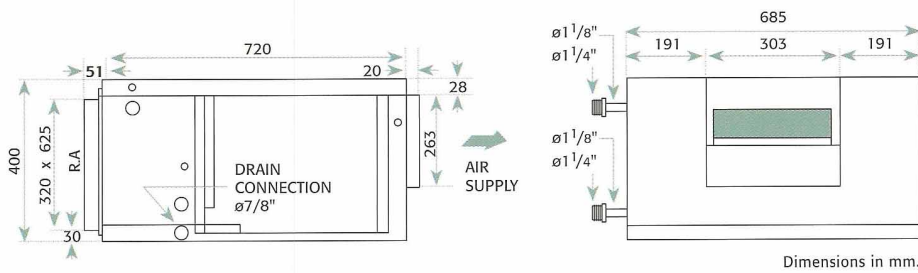


# AWSQ 700 - Super Quiet



Speed	Sound Pressure Level	Air Volume
	DBA	M <sup>3</sup> /H CFM
High	36	1170 / 690
Medium	31	1000 / 590
Low	26.5	830 / 490

\* sound pressure level measured at 3 m' from unit side and 1.5 m' above floor level

## Technical Data

*Air flow rate	M <sup>3</sup> /HR (CFM):	1170 (690)
Fan motor	SPEED/ HP:	3 / 140
Nominal rpm		833
Power supply	V/PH/Hz:	220 / 1 / 50
Current	A:	0.63
Electric Heater Options	kW:	2.2 / 3
Weight	Kg	55
Drain tube diameter	Inch:	1/2 BSPT
Fuse (Type)	A(C):	10 With heater-see page 54
Coil face area	Ft <sup>2</sup> /m <sup>2</sup> :	2.2 / 0.2

\* Available data for 0.1" external static pressure with 4 rows deep cooling coil at high speed fan

## Water cooling coil rating

EAT (F)		73 DB 62 WB				77 DB 65 WB				80 DB 67 WB				85 DB 71 WB					
EWT	WTR	TC	SC	FLOW	PD	TC	SC	FLOW	PD	TC	SC	FLOW	PD	TC	SC	FLOW	PD		
°F	°F	kbtuh	kbtuh	gpm	ft	kbtuh	kbtuh	gpm	ft	kbtuh	kbtuh	gpm	ft	kbtuh	kbtuh	gpm	ft		
4 rows	42	8	15.2	12.2	3.8	6.4	19.6	14.1	4.9	10.1	22.0	15.7	5.5	13.2	28.4	17.9	7.1	21.5	
		10	13.5	11.2	2.7	3.1	17.5	13.2	3.5	5.1	20.0	14.7	4.0	7.0	26.5	17.1	5.3	12.0	
		12	11.4	10.4	1.9	1.7	15.0	12.2	2.5	2.8	17.4	13.7	2.9	3.8	24.0	16.0	4.0	6.9	
	45	8	12.4	11.0	3.1	4.4	16.4	12.9	4.1	7.2	19.2	14.4	4.8	9.7	25.6	16.6	6.4	17.0	
		10	11.0	10.0	2.2	2.2	14.0	11.9	2.8	3.6	16.5	13.4	3.3	5.0	23.0	15.7	4.6	9.2	
		12	9.6	9.1	1.6	1.3	12.6	11.0	2.1	2.0	15.0	12.5	2.5	2.8	19.8	14.7	3.3	5.1	
	48	8	4.0	9.7	2.6	3.0	13.2	11.6	3.0	5.0	16.1	13.1	4.0	6.9	22.0	15.3	5.5	12.7	
		10	9.0	8.6	1.8	1.6	12.0	10.7	2.4	2.6	14.0	12.2	2.8	3.5	19.5	14.4	3.9	6.6	
		12	7.2	7.2	1.2	0.7	10.2	9.7	1.7	1.4	12.6	11.3	2.1	2.0	17.4	13.5	2.9	3.7	
	5 rows	42	8	17.6	13.6	4.4	6.4	22.4	15.7	5.6	10.0	25.2	17.4	6.3	12.9	32.4	19.9	8.1	21.0
			10	15.8	12.6	3.2	3.2	20.0	14.7	4.0	5.2	23.0	16.4	4.6	7.0	30.0	19.0	6.0	11.7
			12	13.5	11.7	2.3	1.8	17.4	13.7	2.9	2.9	20.4	15.4	3.4	3.9	27.6	17.9	4.6	6.9
45		8	14.4	12.3	3.6	4.4	18.8	14.3	4.7	7.2	22.0	16.0	5.5	9.7	29.0	18.4	7.3	16.6	
		10	12.8	11.3	2.6	2.3	16.5	13.3	3.3	3.7	19.3	15.0	3.9	5.1	26.3	17.4	5.3	9.1	
		12	11.7	10.4	2.0	1.4	14.7	12.4	2.5	2.1	17.4	14.0	2.9	2.9	23.4	16.4	3.9	5.2	
48		8	9.0	10.9	3.1	3.1	15.4	12.9	3.9	5.1	18.6	14.5	4.7	7.0	25.0	17.0	6.3	12.6	
		10	10.8	9.9	2.2	1.7	14.0	12.1	2.8	2.7	16.5	13.6	3.3	3.6	22.8	16.0	4.6	6.7	
		12	9.0	8.7	1.5	0.8	12.3	11.1	2.1	1.5	14.7	12.7	2.5	2.1	20.4	15.1	3.4	3.8	
6 rows		42	8	20.0	15.0	5.0	6.4	25.2	17.3	6.3	9.9	28.4	19.1	7.1	12.6	36.4	21.9	9.1	20.4
			10	18.0	13.9	3.6	3.3	22.5	16.2	4.5	5.2	26.0	18.0	5.2	6.9	33.5	20.8	6.7	11.3
			12	15.6	13.0	2.6	1.9	19.8	15.1	3.3	2.9	23.4	17.0	3.9	4.0	31.2	19.7	5.2	6.8
	45	8	16.4	13.5	4.1	4.4	21.2	15.7	5.3	7.2	24.8	17.5	6.2	9.7	32.4	20.2	8.1	16.2	
		10	14.5	12.5	-2.9	2.3	19.0	14.7	3.8	3.8	22.0	16.5	4.4	5.1	29.5	19.1	5.9	8.9	
		12	13.8	11.7	2.3	1.4	16.8	13.7	2.8	2.1	19.8	15.4	3.3	2.9	27.0	18.0	4.5	5.2	
	48	8	14.0	12.1	3.5	3.1	17.6	14.1	4.4	5.1	21.2	15.9	5.3	7.0	28.0	18.6	7.0	12.4	
		10	12.5	11.2	2.5	1.7	16.0	13.4	3.2	2.7	19.0	15.0	3.8	3.7	26.0	17.6	5.2	6.8	
		12	10.8	10.2	1.8	0.9	14.4	12.4	2.4	1.6	16.8	14.1	2.8	2.2	23.4	16.6	3.9	3.8	

## Water heating coil rating

EAT (F)		70 DB			80 DB		
EWT	WTD	TH	FLOW	WTD	TH	FLOW	
°F	°F	kbtuh	gpm	°F	kbtuh	gpm	
1 row	113	3.60	6.37	3.63	2.70	4.88	3.63
	120	4.20	7.43	3.63	3.30	5.94	3.64
2 rows	113	4.54	12.04	5.90	3.20	9.23	5.90
	120	5.29	14.30	5.90	3.90	11.23	5.90

Preliminary data  
Specifications subject to change  
without notice

EA - Entering Air Temperature °F  
EWT - Entering Water Temperature °F  
WTR - Water Temperature Rise °F

TC - Total Cooling Capacity in 1000-BTU/H  
SC - Sensible Cooling Capacity in 1000-BTU/H  
PD - Pressure Drop FT H2O

TH - Total Heating Capacity in 1000-BTU/H  
WTD - Water Temperature Decrease °F