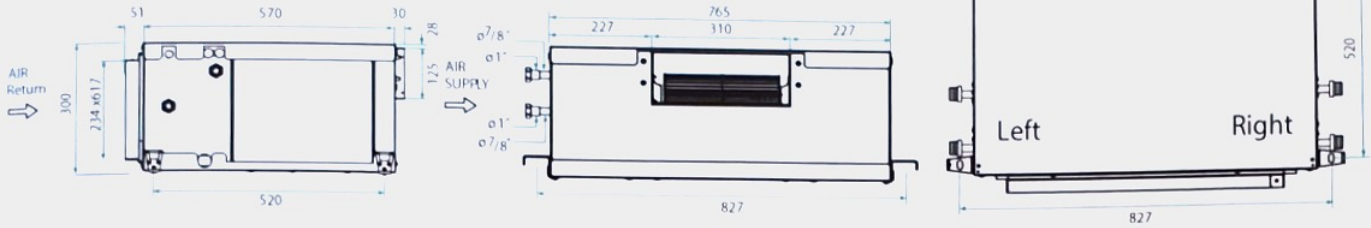


AWLSQ 600 • Super Quiet



Technical Data

Dimensions in mm.

Air flow rate	M ³ /HR (CFM)	1020 (600)/884 (520)/799 (470)
Fan quantity/type		1xDD 7-10
AC Motor	HP/Speed/RPM	1/8 / 4 / 1155
EC Motor (optional) 0-10V	HP/RPM	1/8 / 1150
Power supply	V/PH/Hz	220-240/1/50
Current	A	1.4
Electric Heater Options	KW (Stages)	2.2(1) / 3.0(1) 4.4(2)
Fuse Protection	A	16 3x16

Sound pressure level*	dbA	H-35 M-29.5 L-24
External static pressure**	Inch H ₂ O	0.25(4 rows)
Drain tube diameter	Inch	1/2 BSPT
Fuse (Type)	A(C)	10
Coil face area	Ft ² / m ²	1.7 / 0.16
Weight (Net)	Kg	65
Shut-off Valve	Inch	3/4 BSP

* Sound pressure level measured at 3 m' from unit side and 1.5m' above floor level
 ** Available data for 0.25" external static pressure with 6 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	3.3	5.0	16.0	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

Valve Options

	ON/OFF		Proportional	
Cooling	2Way-3/4"	3Way-3/4"	2Way-3/4"	3Way-3/4"
Heating	2Way-1/2"	3Way-1/2"	2Way-1/2"	3Way-1/2"

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
 Kvs - Amount of flow