

**EVAPORATOR COILS CASED
R-410A SYSTEMS
2 – 5 Tons**

GRANDAIR®
Heating & Cooling Products



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahrirectory.org.



Aluminum



Model	Size (tons)	Dimensions H x W x D in. (mm)	Suction	Liquid
WLSH244AA	2	28-3/8 x 11-3/4 x 24-1/16 (721 x 298 x 611)	5/8	3/8
WLSH304AA	2-1/2	28-3/8 x 11-3/4 x 24-1/16 (721 x 298 x 611)	3/4	3/8
WLSH364AA	3	28-3/8 x 11-3/4 x 28-13/16 (721 x 298 x 732)	3/4	3/8
WLSH424AA	3-1/2	28-3/8 x 11-3/4 x 28-13/16 (721 x 298 x 732)	3/4	3/8
WLSH484AA	4	28-3/8 x 11-3/4 x 28-13/16 (721 x 298 x 732)	7/8	3/8
WLSH604AA	5	30-3/8 x 11-3/4 x 38-15/16 (772 x 298 x 989)	7/8	3/8

STANDARD FEATURES

- Horizontal, bi-directional airflow
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Slide-out feature for easy cleaning
- Pre-painted steel cabinet

LIMITED WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

WLSH

Product Specifications

EVAPORATOR COIL MODEL NUMBER IDENTIFICATION GUIDE									
Digit Position:	1, 2	3	4	5, 6	7	8	9	10	
	WL	S	H	24	4	A	A	1	
WL = Aluminum Evaporator Coil									
S = Slab									
H = Horizontal Bi-Flow									
24 = 24,000 BTU/hr = 2 TONS									
36 = 36,000 BTU/hr = 3 TONS									
42 = 42,000 BTU/hr = 3-1/2 TONS									
48 = 48,000 BTU/hr = 4 TONS									
60 = 60,000 BTU/hr = 5 TONS									
4 = R-410A									
A = 11-3/4"									
SALES DIGIT									
EXTRA DIGIT									

Inches - English Drawing

UNIT	SERIES	A	B	C	D	E	SHIPPING WT (lbs)
WLSH244AA	1	24 1/16"	28 3/8"	16 1/16"	9 3/8"	5/8"	53.0
WLSH304AA	1	24 1/16"	28 3/8"	16 1/16"	9 3/8"	3/4"	54.0
WLSH364AA	1	28 13/16"	28 3/8"	23 1/16"	15 1/16"	3/4"	60.5
WLSH424AA	1	28 13/16"	28 3/8"	23 1/16"	15 1/16"	3/4"	62.0
WLSH484AA	1	28 13/16"	30 3/8"	23 1/16"	17 5/16"	7/8"	64.0
WLSH604AA	1	38 15/16"	30 3/8"	33 13/16"	24 13/16"	7/8"	80.5

NOTES:
 1. SERIES DESIGNATION IS THE 14TH POSITION OF UNIT MODEL NUMBER.
 2. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTE

MEASUREMENT- ENGLISH

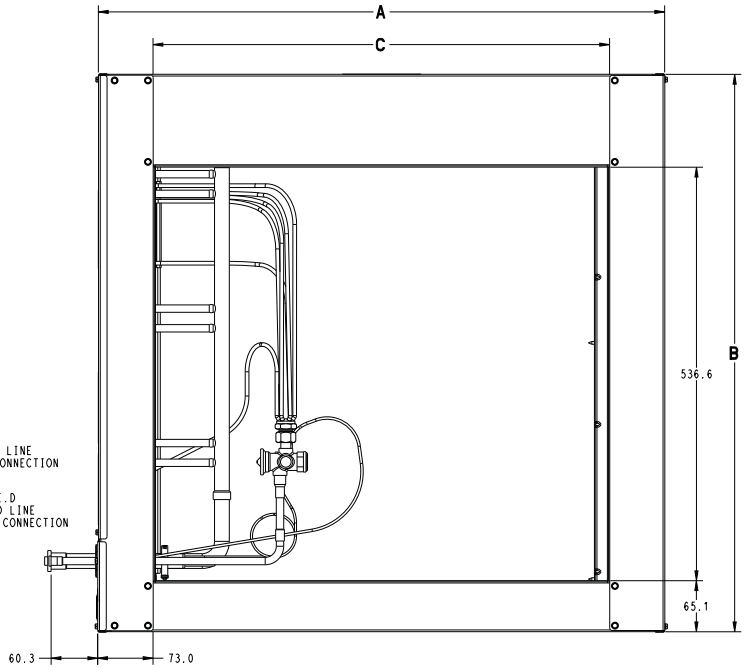
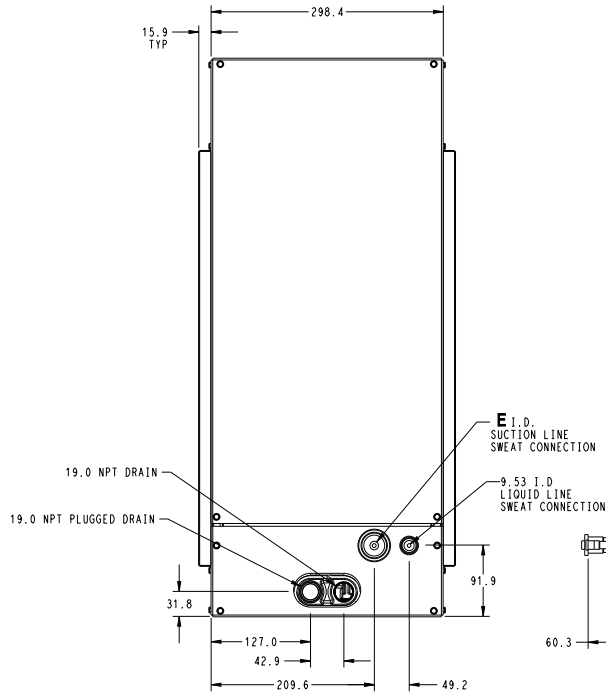
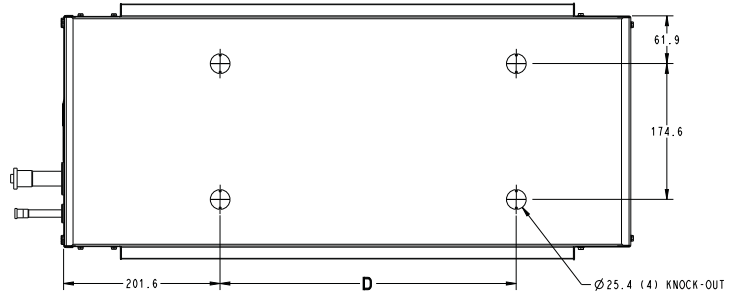
SD5439 REV A

SI Metric Drawing

UNIT	SERIES	A	B	C	D	E	SHIPPING WT (Kgs)
WLSH244AA	1	611.2	720.7	408.0	238.1	15.88	24.0
WLSH304AA	1	611.2	720.7	408.0	238.1	19.05	24.5
WLSH364AA	1	731.8	720.7	585.8	382.6	19.05	27.4
WLSH424AA	1	731.8	720.7	585.8	382.6	19.05	28.1
WLSH484AA	1	731.8	771.5	585.8	439.8	22.23	29.0
WLSH604AA	1	989.0	771.5	858.8	630.2	22.23	36.5

NOTES:

- SERIES DESIGNATION IS THE 14TH POSITION OF UNIT MODEL NUMBER.
- ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.



MEASUREMENT- METRIC "SI"

SD5439 REV A

STATIC PRESSURE DROP ACROSS COIL AT A GIVEN CFM

Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)		Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)	
		Dry	Wet			Dry	Wet
24 2 tons	400	0.060	0.069	48 4 tons	600	0.063	0.080
	500	0.081	0.096		700	0.076	0.101
	600	0.104	0.129		800	0.091	0.123
	700	0.129	0.162		900	0.105	0.149
	800	0.155	0.198		1000	0.121	0.175
	900	0.186	0.237		1100	0.138	0.206
	1000	0.217	0.278		1200	0.157	0.215
30 2.5 tons	400	0.044	0.050		1300	0.175	0.231
	500	0.060	0.071		1400	0.195	0.261
	600	0.077	0.093		1500	0.217	0.291
	700	0.097	0.116		1600	0.238	0.325
	800	0.116	0.144		1700	0.260	0.361
	900	0.140	0.172		1800	0.284	0.394
	1000	0.165	0.203		800	0.051	0.063
	1100	0.190	0.235	900	0.060	0.076	
36 3 tons	1200	0.219	0.269	1000	0.069	0.089	
	400	0.043	0.048	1100	0.079	0.102	
	500	0.058	0.066	1200	0.090	0.118	
	600	0.074	0.086	1300	0.101	0.135	
	700	0.089	0.104	1400	0.113	0.155	
	800	0.107	0.128	1500	0.125	0.175	
	900	0.127	0.154	1600	0.138	0.193	
	1000	0.150	0.182	1700	0.153	0.214	
	1100	0.172	0.212	1800	0.165	0.235	
	1200	0.197	0.245	1900	0.180	0.258	
	1300	0.224	0.280	2000	0.195	0.279	
42 3.5 tons	1400	0.252	0.317	600	0.065	0.076	
	600	0.065	0.076	700	0.079	0.094	
	700	0.079	0.094	800	0.095	0.114	
	800	0.095	0.114	900	0.113	0.137	
	900	0.113	0.137	1000	0.134	0.163	
	1000	0.134	0.163	1100	0.154	0.189	
	1100	0.154	0.189	1200	0.176	0.215	
	1200	0.176	0.215	1300	0.197	0.245	
	1300	0.197	0.245	1400	0.220	0.273	
	1400	0.220	0.273	1500	0.246	0.303	
1500	0.246	0.303	1600	0.268	0.332		
1600	0.268	0.332					

