

WFI
9000 Conservation Way
Fort Wayne, IN 46809

Versatec

Compact Horizontal Water Source Heat Pumps Extended Range Units

Submittal Data SD1103

Type: VLC
Size: 09, 12, 18

Purchaser's approval of this drawing signifies that the equipment is acceptable under the provisions of the job specifications.

Contractor: _____
P.O.: _____
Engineer: _____
Project Name: _____
Unit Tag: _____

General Specifications

Cabinet - Casing of galvanized steel, painted with a polyester powder coat finish.

Insulation - 1/2" thick multi-density glass fiber.

Drain Pan - Painted G-60 galvanized steel with insulation.

Insulated Refrigerant Circuit - Sealed system which contains reversing valve, thermal expansion valve and high/low side access valves.

Compressor - PSC motor, hermetically sealed with overload protection and mounted on rubber isolators.

Coaxial Heat Exchanger - Steel outer tube, copper inner tube and female NPT fittings.

Air Coil - Seamless copper with aluminum fins

Fan - Forward curved centrifugal wheel with painted or galvanized housing

Fan Motor - Multispeed PSC, sleeve bearing type with resilient mounts and thermal protection.

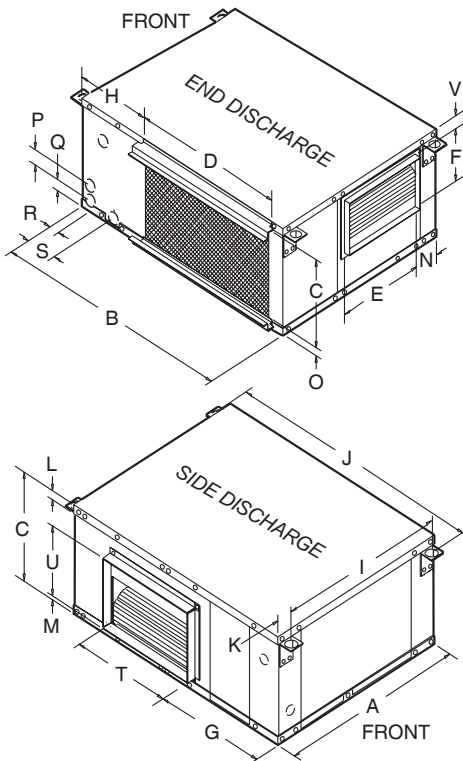
Electrical - High pressure and low pressure safety switches, fan relay, compressor relay, 75VA transformer with built-in circuit breaker, reversing valve coil, lockout circuit, 24VAC control system.

Controls - Field mounted 24VAC wall mounted thermostat, (purchased separately).

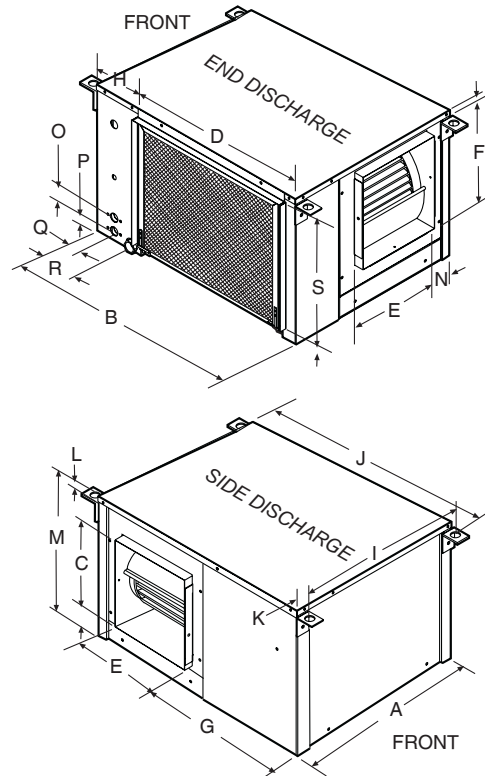
Filter - 1" thick disposable

Dimensional Data

VLC09 and VLC12



VLC18



Model	A	B	C	D	E	F	G	H	I	J	K
VLC09, 12	20.25	26.38	10.88	17.06	9.51	7.48	12.79	8.00	18.48	27.82	0.89
	L	M	N	O	P	Q	R	S	T	U	V
	0.75	1.21	1.94	1.47	2.00	1.00	1.50	4.38	9.51	7.48	1.21

Model	A	B	C	D	E	F	G	H	I	J
VLC18	21.52	25.50	10.44	19.00	9.35	10.44	13.29	4.54	18.63	27.60
	K	L	M	N	O	P	Q	R	S	
	1.05	0.65	16.16	2.90	1.49	1.01	2.25	4.54	14.04	

NOTE: ALL DIMENSIONS ARE IN INCHES

Physical Data

Model	VLC09	VLC12	VLC18
Fan Wheel	6x9	6x9	9x7
PSC Fan Motor HP - Speeds	1/10 - 4	1/10 - 4	1/6 - 3
Compressor	RECIP.	RECIP.	RECIP.
Refrigerant Charge - R22 (oz.)	25.0	24.0	31.0
Air Coil Dimensions (in.)	10 x 16	10 x 16	14 X 16
Air Coil Face Area (sq.ft.)	1.1	1.1	1.56
Air Coil # of Rows	3	3	3
Return Air Connection (W x D)	10.8 x 17.1	10.8 x 17.1	18.8 X 13.5
Supply Air Connection (W x D)	9.5 x 7.5	9.5 x 7.5	10.4 X 9.4
Water Inlet/Outlet Size (FPT)	1/2"	1/2"	1/2"
Filter - 1" Disposable	10 x 17	10 x 17	14 X 18
Shipping Weight	100	104	171

Electrical Data

Model	Rated Voltage	Voltage Min/Max	Compressor			Fan Motor FLA	Total Unit FLA	Min Circ Amp	Max Fuse
			MCC	RLA	LRA				
VLC09	208-230/60/1	197/253	5.5	3.5	20.0	0.6	4.1	5.0	10
	265/60/1	239/292	4.8	3.1	16.0	0.6	3.7	4.5	10
VLC12	208-230/60/1	197/253	9.1	5.8	31.0	0.6	6.4	7.9	10
	265/60/1	239/292	5.5	3.5	22.0	0.6	4.1	5.0	10
VLC18	208-230/60/1	197/254	14.0	9.0	48.0	1.1	10.1	12.3	20
	265/60/1	239/292	12.0	7.7	44.0	1.0	8.7	10.6	15

HACR circuit breaker in USA only.
All fuses Class RK-5.

Blower Performance Data

Model	Fan Speed	Airflow (cfm) @ E.S.P. (in. wg)					
		0.0	0.1	0.2	0.3	0.4	0.5
VLC09, 12							
265V	H	420	400	385	370	335	290
	MH	400	390	375	350	325	280
	ML	380	360	330	310	280	265
	L	330	310	290	270	240	250
230V	H	400	380	360	240	300	260
	MH	350	330	310	290	250	230
	ML	330	310	290	260	230	200
	L	290	270	250	225	210	-
208V	H	380	360	340	330	290	250
	MH	320	300	280	265	225	220
	ML	300	280	260	230	220	-
	L	260	240	220	205	-	-
VLC18							
265V	H	670	650	640	590	530	460
	M	610	600	580	540	490	420
	L	540	530	510	480	440	380
230V	H	750	700	660	610	560	490
	M	680	660	620	580	525	460
	L	590	580	550	520	470	395
208V	H	680	650	620	575	520	450
	M	600	580	560	520	470	415
	L	510	494	475	450	420	375