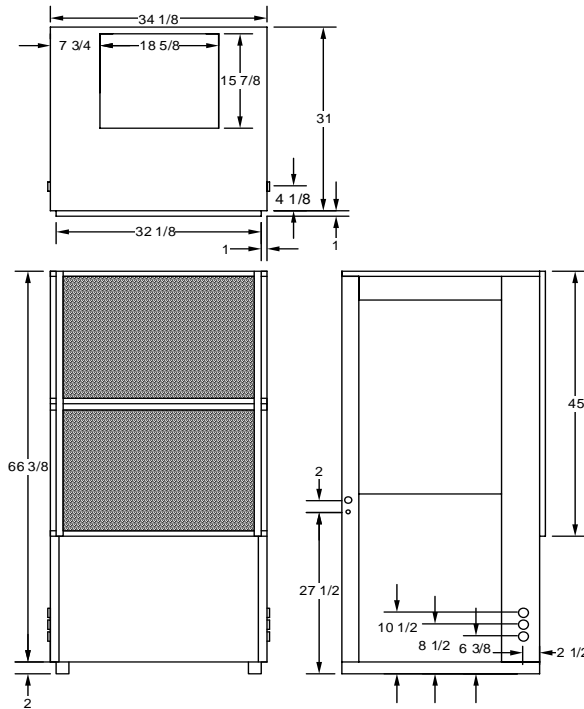


diamondAIR

LVA90-120 Vertical Series
Air Conditioners

SUBMITTAL



Model	A	B	C	D
LVA90-120	66 5/8	34 1/8	31	2 3/8

E	F	G	H	I
4 1/2	2	2	25 1/2	2

J	K	L	M	N
7 3/4	18 5/8	15 7/8	14	3/4

Water Connection	1" FIPT
Drain Connection	1" FIPT
FILTER	(2) 23 X 32 X 1

Model LVA	Shipping Weight (Lb)
90	475
120	520

In our ongoing effort to continue building quality equipment all specs are subject to change without notice

DANGER: ELECTRICAL SHOCK HAZARD
SERVICE BY QUALIFIED PERSONS ONLY

PERFORMANCE DATA

NOMINAL CAPACITY	DATA					Condensor Coil ΔP (PSI)	Water Value ΔP (PSI)	Flow USGPM
	TC	TSC	THR	KW	EER			
90	97,800	80,489	118,960	6.20	16.1	7.2	13.0	23.8
120	127,000	104,521	154,372	8.02	15.8	9.6	21.0	30.9

TC -Total Capacity (A) Cooling capacity rating test conditions: Evaporator Air - 80°F db/67°F wb
 TSC -Total Sensible Capacity Condenser Water - 85°F EWT/95°F LWT
 THR -Total Heat of Rejection (B) Units are shipped in standard sensible format. For high sensible application, motor speed must be changed to the high speed tap.
 KW -Total Power Input (C) Total pressure drop for unit with regulating valve is sum of condenser coil drop and water regulating valve pressure drop.
 EER -Energy Efficiency Ratio
 GPM -Gallons Per Minute

Model	STATIC PRESSURE							
	CFM	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP
LVA90	3000	730 0.8	770 0.9	820 0.9	860 1.0	920 1.1	970 1.2	1020 1.3
LVA120	4000	580 1.0	610 1.1	640 1.1	670 1.2	690 1.3	720 1.4	750 1.4

ELECTRICAL DATA

Model	Electrical Characteristics	Compressor		Blower Motor		Unit Total FLA	Min. Circuit Ampacity	Fuse Size Time Delay	Min. Wire Size
		RLA	LRA	RLA	HP				
LVA90TSU0	208/230-3-60	9.0 X 2	83.1X2	5.6	1.5	23.6	30.0	40	8
LVA90RSU0									
LVA90ZSU0	575-3-60	3.7 X 2	33 X 2	1.7	1.5	9.1	15.0	20	12
LVA120TSU0	208/230-3-60	12.8 X 2	137 X 2	8.8	3	34.4	40.0	70	4
LVA120RSU0	460-3-60								
LVA120ZSU0	575-3-60	5.1X 2	50X 2	3.6	3	13.8	20.0	25	12

NOTES:

Units are standard in Galvanized Metal. Available in Powder Coated. Extra charges apply.
 Specifications and performance data subject to change without notice.
 Heat Pumps available on Special Order.
 460/3/60 available - Special Order.

Your Local Distributor	Project:	
MIT'S AIRCONDITIONING INC.	Contractor:	
1608 BONHILL ROAD	Engineer:	
MISSISSAUGA, ONTARIO	Submitted By:	
L5T 1C7	Date:	