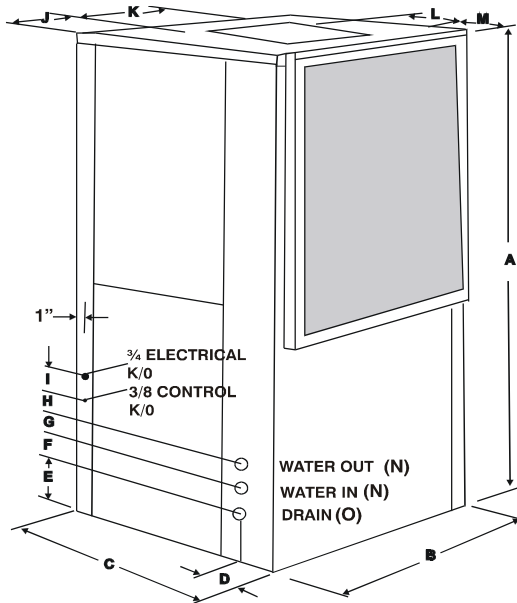


diamondAIR

LVA12-30 Vertical Series
Air Conditioners

SUBMITTAL



Model	A	B	C	D
LVA12-30	43 1/4	23 1/4	23 1/4	2 1/4

E	F	G	H	I
4 1/2	2	2	21 5/8	2 1/4

J	K	L	M	N
7	9 1/4	10 1/4	6 1/2	3/4

Water Connection	3/4" FIPT
Drain Connection	3/4" FIPT
FILTER	21 X 24 X 1

Model LVA	Shipping Weight (Lb)
12	160
18	185
24	185
30	195

REMOVABLE LEGS NOT SHOWN, ADD 2" HEIGHT

PERFORMANCE DATA

NOMINAL CAPACITY	DATA					Condensor Coil ΔP (PSI)	Water Value ΔP (PSI)	Flow USGPM
	TC	TSC	THR	KW	EER			
12	12,421	10,222	17,512	1	14.1	0.3	2	3.5
18	18,200	14,979	22,499	1.26	14.5	0.4	3.5	4.5
24	24,800	20,410	30,381	1.63	15.3	0.9	4.6	6.1
30	29,900	23,600	36,792	2.02	14.8	2.1	6.3	7.4

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

BLOWER PERFORMANCE (CFM)

Model	FAN SPEED	Available External Static Pressure (Inches H ₂ O including allowance for filter and wet coil)							Model
		0.10	0.20	0.30	0.40	0.50	0.60	0.70	
LVA12	HI	500	460	420	385	360	325	300	HI
	LO	410	395	375	355	330	305		LO
LVA18	HI	770	700	680	650	610	570	530	HI
	LO	670	650	615	570	530			LO
LVA24	HI	930	890	810	760	710	690	680	HI
	LO	750	720	690	670				LO
LVA30	HI	1250	1170	1120	1070	940	830	740	HI
	LO	1050	980	920	830	760	700		LO

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				
LVA12NSU0	208/230/-160	4.8	29	2.2	1/4	7	8.2	15	14
LVA18NSU0	208/230/-1-60	5.5	48	2.2	1/4	7.7	10	15	14
LVA24NSU0	208/230/-1-60	7.2	58.3	2.2	1/4	9.4	11.2	20	12
LVA30NSU0	208/230/-1-60	9.3	72.5	2.2	1/4	11.5	15	25	10

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

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