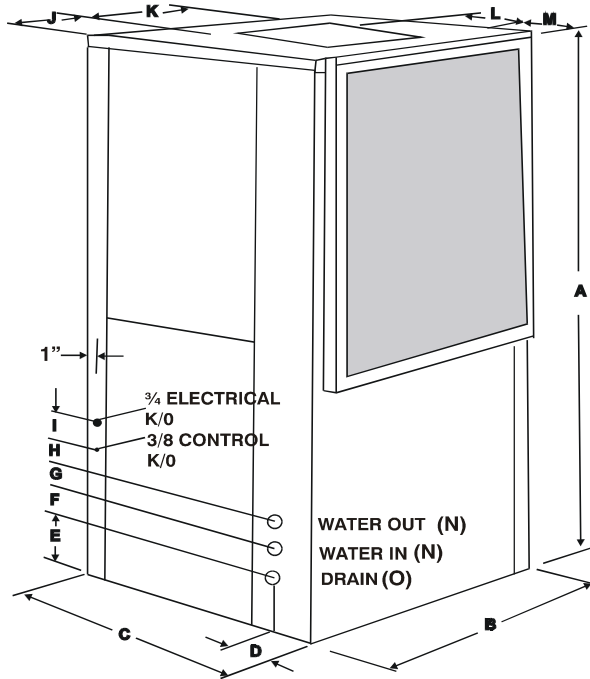


diamondAIR

LVA36-44 Vertical Series
Air Conditioners

SUBMITTAL



Model	A	B	C	D
LVA36-44	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
5 3/4	11 3/4	10 1/4	6 1/2	3/4

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

Model LVA	Shipping Weight (Lb)
36	240
44	240

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			
36	36,096	29,707	47,526	3.27	12.6	2.2	3.2	9.5
44	42,111	34,657	55,446	3.66	12.6	7.2	3.5	11.1

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	
LVA36	HI	1500	1440	1370	1290	1210	1120	1000	HI
	LO	1410	1350	1290	1220	1150	1060	900	LO
LVA44	HI	1560	1500	1420	1340	1260	1170	1070	HI
	LO	1470	1410	1340	1270	1200	1110	1010	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				
LVA36NSU3	208/230-1-60	16.1	90	3.1	1/3	19.2	24.0	40	10
LVA36TSU3	208/230-3-60	10.5	60	3.1	1/3	13.6	14.0	20	12
LVA36RSU3	460-3-60	5.2	37.0	1.8	1/2	8.5	12.0	15	12
LVA36ZSU3	575-3-60	4.0	36.0	2.4	3/4	6.2	12.0	15	12
LVA44NSU3	208/230-1-60	19.0	100	3.1	1/3	22.1	28.0	40	8
LVA44TSU3	208/230-3-60	12.0	74.0	3.1	1/3	15.1	18.0	25	10
LVA44RSU3	460-3-60	6.0	37.0	1.8	1/2	9.3	12.0	15	12
LVA44ZSU3	575-3-60	4.8	36.0	2.4	3/4	7.2	12.0	15	12

NOTES:

Your Local Distributor		Project:	
MITS AIRCONDITIONING INC.		Contractor:	
1800 MEYERSIDE DRIVE		Engineer:	
MISSISSAUGA, ONTARIO		Submitted By:	
L5T 1B4		Date:	