

diamondAIR

LHA09-36 Horizontal Series Low Profile (15") Air Conditioners

SUBMITTAL



PERFORMANCE DATA

NOMINAL CAPACITY	DATA					Condensator Coil	Water Value	Flow
	TC	TSC	THR	KW	EER	ΔP (PSI)	ΔP (PSI)	USGPM
LHA09	9,129	8849	11567	0.855	10.6	0.3	2	2.3
12	12,525	10,955	16463	1.13	11.1	0.3	2	3.3
18	18,380	14,889	24521	1.52	12.1	0.4	3.5	4.9
24	24,210	20,180	31935	2.01	12.1	0.9	4.6	6.4
30	30,060	24,804	39972	2.41	13.6	2.1	6.3	8.2
LHA36	36,096	29,707	47,526	3.27	12.6	2.2	3.2	9.5

TC -Total Capacity (A) Cooling capacity rating test conditions: Evaporator Air - 80°F db/67°F wb
 TSC -Total Sensible Capacity (B) Units are shipped in standard sensible format. For high sensible application, Condenser Water - 85°F EWT/95°F LWT
 THR -Total Heat of Rejection 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
 EER -Energy Efficiency Ratio water regulating valve pressure drop.
 GPM -Gallons Per Minute

NOTE: RETURN AIR OPENING DIMENSIONS L28" X H 13.5"

NOTE: SUPPLY AIR OPENING DIMENSIONS H10" X W 9"

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	
LHA09	HI	375.00	345.00	315.00	288.75	270.00	243.75	225.00	LHA09
	LO	307.50	296.25	281.25	266.25	247.50	228.75		
LHA12	HI	500	460	420	385	360	325	300	LHA12
	LO	410	395	375	355	330	305		
LHA18	HI	770	700	680	650	610	570	530	LHA18
	LO	670	650	615	570	530			
LHA24	HI	930	890	810	760	710	690	680	LHA24
	LO	750	720	690	670				
LHA30	HI	1250	1170	1120	1070	940	830	740	LHA30
	LO	1050	980	920	830	760	700		
LHA36	HI	1500	1440	1370	1290	1210	1120	1000	LHA36
	LO	1410	1350	1290	1220	1150	1060	900	

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				
LHA09NSU3	208/230/-1-60	5.1	30	1.4	1/4	6.5	7.8	15.0	14
LHA12NSU3	208/230/-1-60	6.4	31.5	1.4	1/4	7.8	9.4	15.0	14
LHA18NSU3	208/230/-1-60	6.2	38	1.4	1/4	7.6	9.2	15.0	12
LHA24NSU3	208/230/-1-60	8.2	51.5	1.4	1/4	9.6	11.7	20.0	12
LHA30NSU3	208/230/-1-60	10.2	76.1	1.4	1/4	11.6	14.2	25.0	10
LHA36NSU3	208/230/-1-60	16.1	90	3.1	1/3	19.2	24	40	10
LHA36TSU3	208/230/-3-60	10.5	60	3.1	1/3	13.6	14	20	12

NOTES:

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