



OS-EAH36-230VI + OS-EAH36-230VO

Project Name:		Approval:	
Location:		Date:	
Engineer:		Construction:	
Submitted to:		Unit #:	
Submitted by:		Drawing #:	
Reference:			

Model	OLMO AHU
Indoor unit model	OS-EAH36-230VI
Outdoor unit model	OS-EAH36-230VO



PERFORMANCE DATA

Power supply	Ph-V-Hz	208-230V, 1Ph, 60Hz
Cooling		
Capacity	Btu/h	36000
Input	W	3880
Capacity(min-max)	Btu/h	11800-36800
EER2	Btu/w	9.55
SEER2	Btu/w	18
Heating		
Capacity	Btu/h	35000
Input	W	3100
Capacity(min-max)	Btu/h	8900-38200
COP2(47°F)	W/W	3.3
HSPF2	Btu/w	9
COP @ 5F (@Max. Capacity)	W/W	2.1
Electrical		
MINIMUM CIRCUIT AMPACITY	A	4.8
MAX. FUSE	A	10
Connection wiring		outdoor3x10, Indoor3x16 AWG
Compressor		
Model		EATF250D22UMT
Type		Twin ROTARY
Brand		GMCC
Capacity	Btu/h	26085
Input	W	2080
Rated current(RLA)	A	16.1
Refrigerant oil/oil charge	ml	VG74 /670
SYSTEM DATA		
Design pressure	PSIG	550/240
Refrigerant type	oz	R410A/98.7
Refrigerant precharge	ft	25
Additional charge per ft.	oz	0.38
Liquid side/ Gas side	mm(in)	Φ9.52/Φ19.05(3/8"/3/4')
Max. refrigerant pipe length	ft	246
Max. difference in level	ft.	98
ESP		
ESP range	In. wg.	0-0.8 (0-200)

INDOOR UNIT DATA

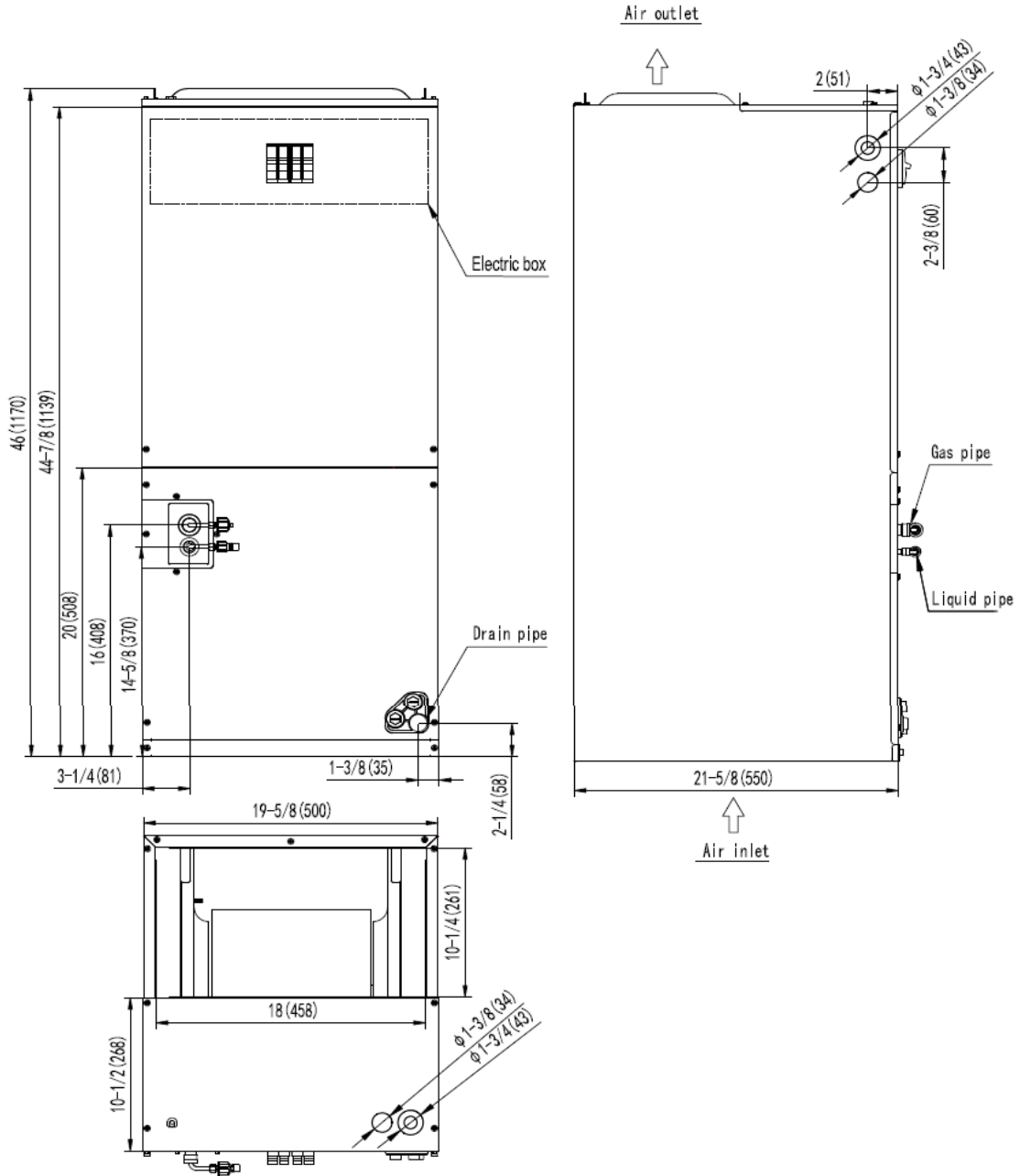
Indoor fan motor		
Model		OS-EAH36-230VI
Type		DC
Input		1/2
RLA	A	3.6~3.8
Speed(Hi/Mi/Lo)	r/min	350~1400
Air flow & Noise level		
Indoor air flow (Hi/Lo)	CFM	1120
Indoor noise level (Hi/Lo)	dB(A)	57
Indoor unit		
Dimension(W*H*D)	inch	19-5/8 × 46-1/8 × 21-5/8
Packing (W*H*D)	inch	22-1/2×49-5/8×25-3/8
Net/Gross weight	lbs.	140/163.1

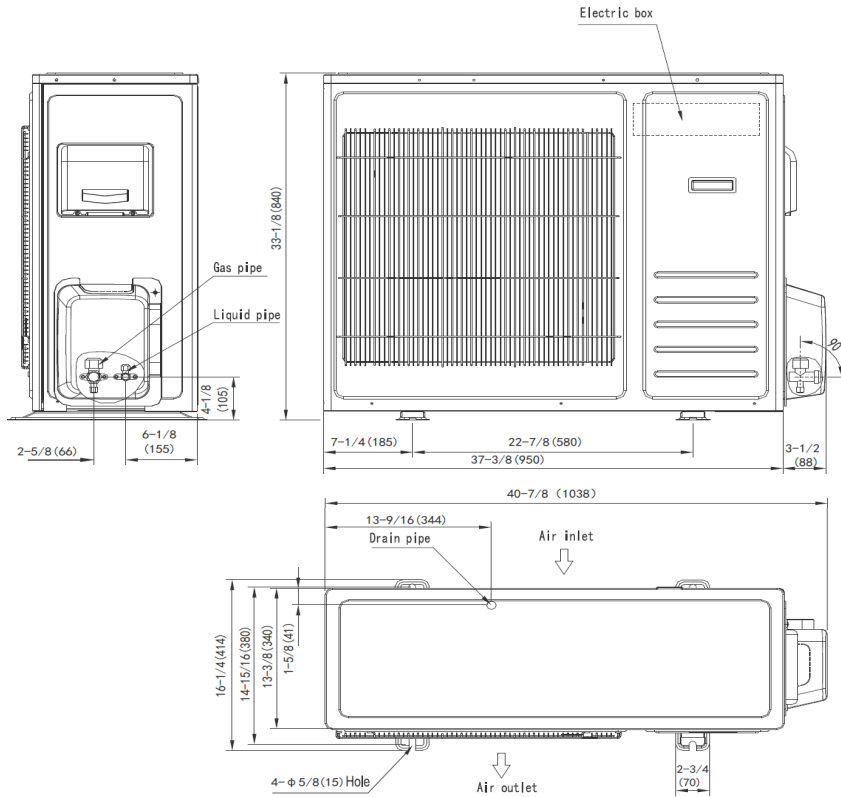
OUTDOOR UNIT DATA

Outdoor fan motor		
Model		OS-EAH36-230VO
Type		DC
Input		121
RLA	A	1
Speed	r/min	810
Air flow & Noise level		
Outdoor air flow	CFM	2350
Outdoor noise level	dB(A)	57
Outdoor unit		
Dimension(W*H*D)	inch	37-3/8x33x13-3/8
Packing (W*H*D)	inch	43-3/4x36-1/4x18-1/8
Net/Gross weight	lbs.	147.7/158.7
Operation temperature		
Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	5~118/ -4~75
Application area	sq.ft	1200-1800



Unit : in.(mm)





ESP - Air Flow Table

Airflow*H*D a coil and no filter in place. Check the performance table for appropriate unit size selection. External static pressure should stay W*H*DoW*H*Deating , and electric heating operation.

Air Flow Table

Air Handler Model	Motor Speed	External Static Pressure in.H2O[KPa]									
		0[0]	0.1[0.02]	0.18[0.045]	0.3[0.07]	0.4[0.1]	0.5[0.12]	0.6[0.15]	0.7[0.17]	0.8[0.20]	
36K	Tap(1) -Default Setting	CFM	1264	1216	1172	1135	1096	1028	954	890	839
		Watts	215	222	233	238	244	254	261	266	274
	Tap(2)	CFM	1350	1314	1269	1206	1116	1082	1050	990	930
		Watts	257	264	274	282	292	297	302	309	316
	Tap(3)	CFM	1460	1409	1368	1323	1266	1192	1122	1060	999
		Watts	280	288	295	304	313	323	333	340	348
	Tap(4)	CFM	1526	1479	1441	1399	1350	1292	1221	1148	1088
		Watts	342	348	355	363	371	381	394	401	406



Bold outlined areas represent airflow*H*De required 300-450 cfm/ton range.

Notes:

- NOTES:
1. Required 350-450CFM/ton range.
 2. W*H*De air volume that the electric heater needs (not less than 350CFM/TON).
 3. Airflow*H*Dandler Unit operates at 230V W*H*De same as 230V.