

Single Zone Heat Pump Ductless System

Outdoor Model: 37MUHAQ36AA3
Indoor Model: 45MUHAQ36XX3



Turn to the experts

Job Data:

Tag #:

Date:

Location:

Carrier#:



OUTDOOR STANDARD FEATURES

- Variable Speed (Inverter)
- Factory installed Base Pan Heater
- Factory installed Crankcase Heater
- Built-In 24V Interface
- Conventional Lineset
- Low Voltage Controls
- Reverse Fan Operation
- Condenser High Temp Protection
- Quiet operation
- Anti-corrosive fin coating

INDOOR STANDARD FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Factory installed leak detection system
- Conventional Lineset
- Modular Design
- Dual Voltage (115V/230V)
- Constant Air Motor/Blower
- Quiet indoor operation
- Anti-corrosive fin coating

RESIDENTIAL APPLICATION LIMITED WARRANTY*

- Ten (10) years if properly registered within ninety (90) days after original installation, parts are warranted to the original purchaser for a period of ten (10) years. Otherwise, parts warranty is five (5) years.

NOTE: Images for illustration purposes only. Actual models may be slightly different.

Outdoor - Heat Pump			
System	Outdoor Model #		37MUHAQ36AA3
	Outdoor Size		36000
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208-230/1/60
	MCA	A.	29
	MOPA	A.	30
	SCCR	kA	5
Operating Range	Cooling Outdoor DB Min - Max	°F(°C)	-22~122(-30~50)
	Heating Outdoor DB Min - Max	°F(°C)	-22~75(-30~24)
Piping	Min. Piping Length	ft (m)	9.8 (3)
	Standard Piping Length	ft. (m)	24.6 (7.5)
	Total Piping Length	ft (m)	246(75)
	Piping Lift*	ft (m)	98.43(30)
	Pipe Connection Size - Liquid	in (mm)	3/8in(9.52mm)
	Pipe Connection Size - Suction	in (mm)	3/4in(19mm)
Refrigerant	Refrigerant Type		R454B
	Charge	lbs (kg)	7.94(3.6)
	Add'l Refrigerant (between Std & Max Piping Lengths)	Oz/ft	0.7(65)
		(g/m)	
Outdoor Coil	Face Area	Sq. Ft.	7.56
	No. Rows		3
	Fins per inch		20
	Circuits		10
Compressor	Type		TWIN-ROTARY
	Model		EKPQ420D1UMUA
	Oil Type		ESTER OIL
	Oil Charge	Fl. Oz.	49.37
Airflow & Sound	Rated Current	RLA	6.6
	Airflow	CFM	3001.8
	Sound Pressure	dB(A)	62.5
Dimensions	Height	in (mm)	38.39(975)
	Width	in (mm)	38.58(980)
	Depth	in (mm)	16.34(415)
	Net Weight	lbs (kg)	204.15(92.6)
	Shipping Height	in (mm)	42.52(1080)
	Shipping Width	in (mm)	45.08(1145)
	Shipping Depth	in (mm)	19.68(500)
	Shipping Net Weight	lbs (kg)	235.23(106.7)

* Condensing unit above or below indoor unit

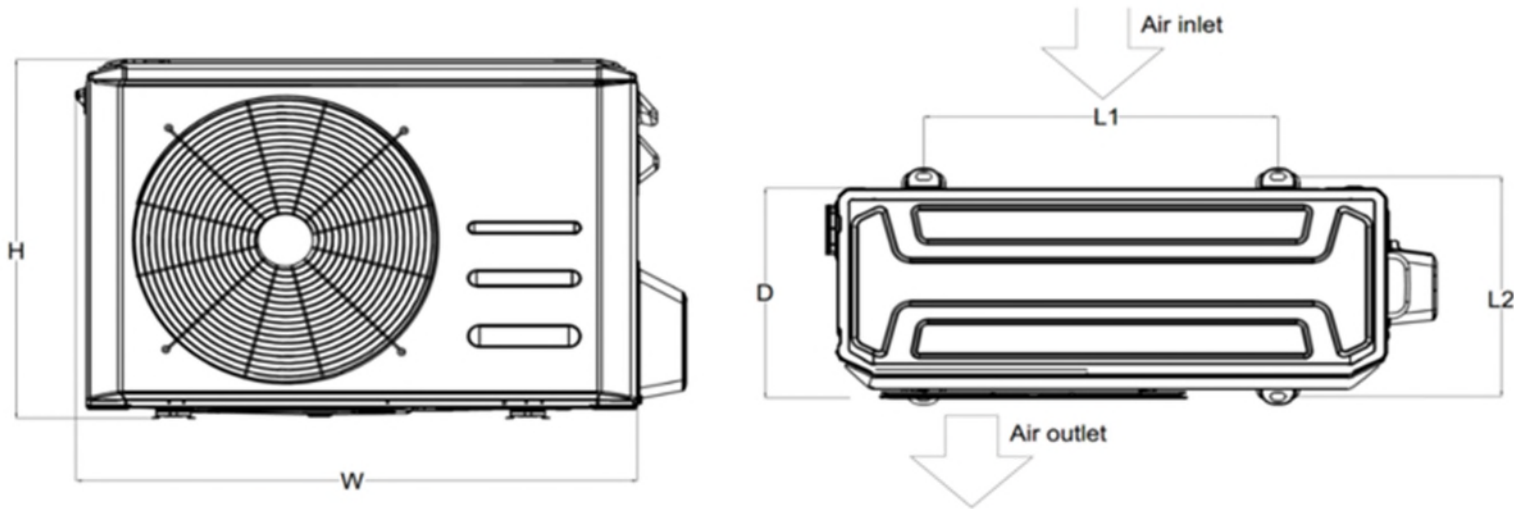
37MUHAQ36AA3 / 45MUHAQ36XX3 System Accessories		
Standard	Wireless Remote Controller (°F/°C Convertible)	
Optional	Wired Remote Control 7 Day Programmable	KSACN1401AAA

Indoor - Heat Pump			
System	Indoor Model #		45MUHAQ36XX3
	Indoor Size		36000
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	115-208-230/1/60
	Power Supply	Indoor unit powered separate from outdoor unit	
	MCA	A.	6
Operating Range	Cooling Indoor DB Min - Max	°F(°C)	60~90(16~32)
	Heating Indoor DB Min - Max	°F(°C)	32~86(0~30)
Indoor Coil	Face Area	Sq. Ft.	7.61
	No. Rows		3
	Fins per inch		16
	Circuits		4
Indoor Unit	Number of Fan Speeds		970/929/889/852
	Airflow (highest to lowest)	CFM	1236.1~971.2
	Sound Pressure	dB(A)	33
Dimensions	Height	in (mm)	52.36(1330)
	Width	in (mm)	21.5(546)
	Depth	in (mm)	17.52(445)
	Net Weight	lbs (kg)	149.25(67.7)
	Shipping Height	in (mm)	31.1(790)
	Shipping Width	in (mm)	57.09(1450)
	Shipping Depth	in (mm)	20.47(520)
	Shipping Net Weight	lbs (kg)	182.1(82.6)

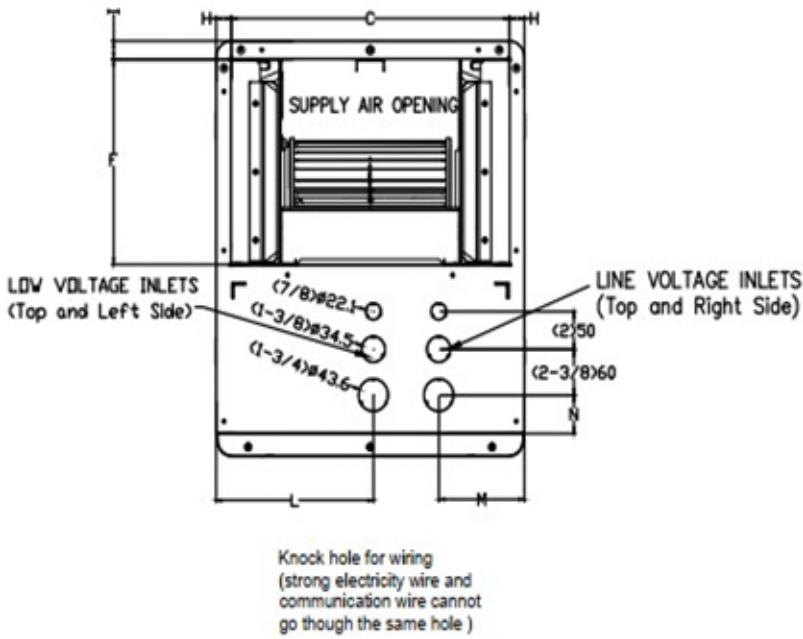
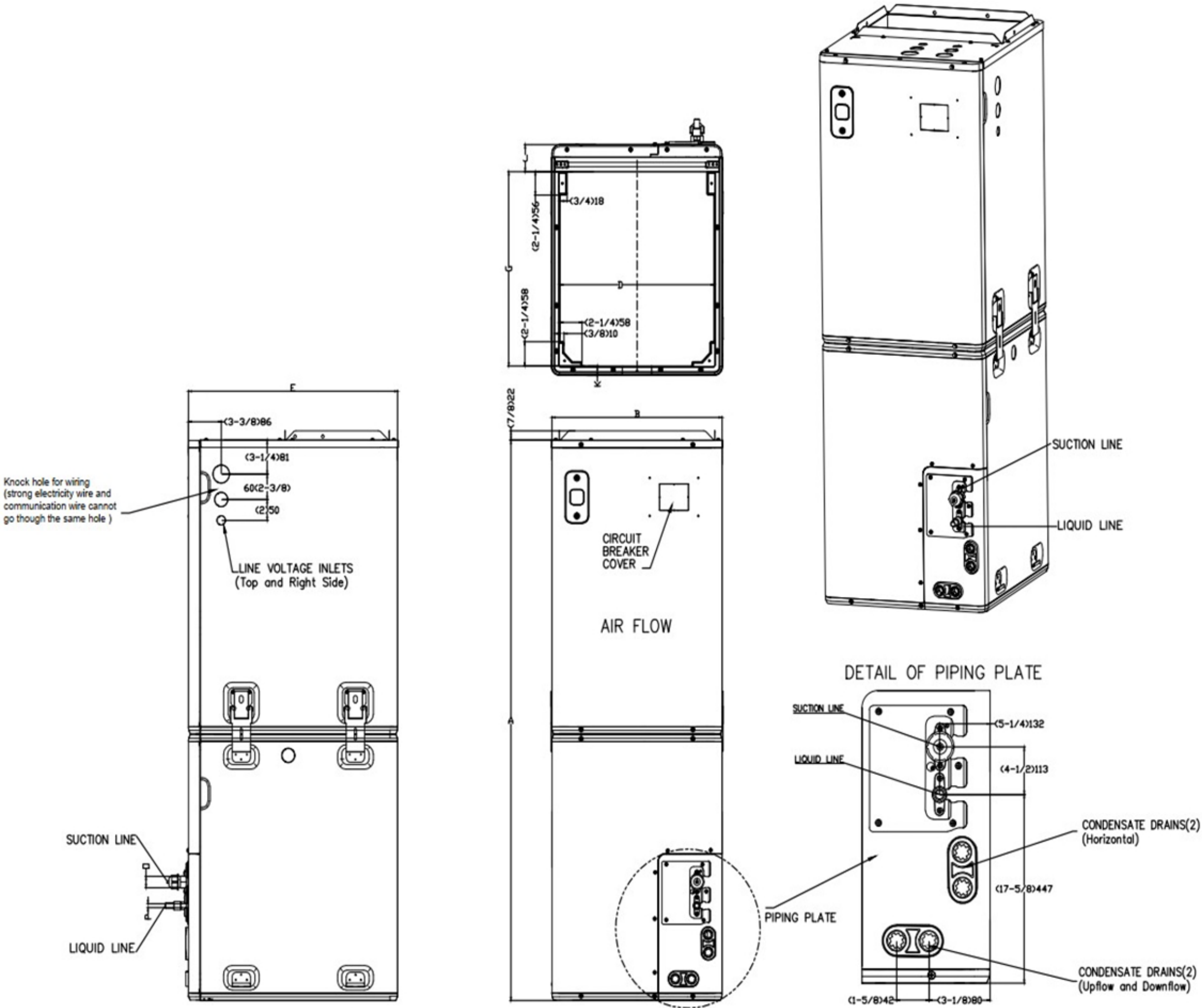
37MUHAQ36AA3 / 45MUHAQ36XX3 System Performance		
Cooling Rated Capacity (DOE A2 - 95°F)		36000
Cooling Capacity Range		12100~43000
SEER2	Btu/h	18
EER2 (DOE A2 - 95°F)	Btu/h	12
Heating Rated Capacity (DOE H12 - 47°F)		37000
Heating Capacity Range		11400~47000
COP (DOE H12 - 47°F)	Btu/h	3.5
HSPF2 IV	Btu/h	10
HSPF2 V	Btu/h	8.3
Cooling Rated Capacity (DOE B2 - 82°F)		36800
EER2 (DOE B2 - 82°F)	Btu/h	14.2
Heating Rated Capacity (DOE H32 - 17°F)		31000
COP (DOE H32 - 17°F)	W/W	2.5
Heating Maximum Capacity (17°F)		41500
Heating Rated Capacity (ODE H42 - 5°F)		37400
COP (DOE H42 - 5°F)		1.9
Heating Maximum Capacity (5°F)		37400



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OUTDOOR UNIT DIMENSIONS						
Capacity	Unit	W	D	H	L1	L2
18K/24K	mm	890	342	673	663	346.67
	inch	35.04	13.46	26.5	26.1	13.65
30K	mm	946	410	810	672.96	402.6
	inch	37.24	16.14	31.89	26.49	15.85
36K/48K	mm	980	415	975	616	415
	inch	38.58	16.34	38.39	24.25	16.31
60K	mm	952	415	1333	634	404
	inch	37.48	16.34	52.48	25	15.9



Dimensions		Model(Btu/h)		18K/24K		30K/36K		48K/54K	
		inch	mm	inch	mm	inch	mm	inch	mm
A	Model Height	48-1/8	1222	52-3/8	1330	54-3/8	1380		
B	Model Width	14-1/2	368	17-1/2	445	21-1/2	546		
C	Supply Air Opening Width	12-7/8	328	16	405	19-7/8	506		
D	Return Air Opening Width	12-7/8	328	15-7/8	402	19-7/8	504		
E	Model Depth	21-1/2	546	21-1/2	546	21-1/2	546		
F	Supply Air Opening Depth	10-5/8	271	10-5/8	271	10-5/8	271		
G	Return Air Opening Depth	18-1/8	461	18-1/8	461	18-1/8	461		
H	Supply Air Opening Clearance	7/8	22	7/8	22	7/8	22		
I	Supply Air Opening Clearance	1	24	1	24	1	24		
J	Return Air Opening Front Clearance	2-1/2	64	2-1/2	64	2-1/2	64		
K	Return Air Opening Back Clearance	7/8	23	7/8	23	7/8	23		
L	Top cover knock hole	/	/	9	229	10-7/8	275		
M	Top cover knock hole	4-1/2	113	4-7/8	124	5-1/8	131		
N	Top cover knock hole	2	51	2	51	1-5/8	41		
O	Refrigerant piping flareconnection(gas)	3/4	19	3/4	19	3/4	19		
P	Refrigerant piping flareconnection(liquid)	3/8	9	3/8	9	3/8	9		



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