

Mitsutomo Submittal Data Sheet

24K High Heat Slim Ducted Heat Pump System

Job Name: _____

Engineer: _____

Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

- Slim design
- Up to .8" Static Pressure
- Heating down to -22 deg
- Self diagnostics
- Super quiet
- 7 Day Programmable Wall Thermostat



MODEL NUMBER	
Indoor unit:	HD-UZ24-AB-Q
Outdoor unit:	HO-SZ24-AB-Q
Certified:	

OPTIONAL ACCESSORIES	
3rd Party Thermostat Interface Adapter	217222000A68532

SYSTEM PERFORMANCE DATA		
Electrical:		
Normal Operational Voltage	(V, Ph, Hz)	208/230V,1Ph, 60Hz
Minimum circuit ampacity (outdoor)	(A)	25.0
Max fuse (outdoor)	(A)	35.0
Connection wiring		14AWG*4
Cooling Efficiencies & Capacity Data:		
Capacity	(Btu/h)	24000(6500~27800)
Power Input	(W)	2000(280~2400)
Current	(A)	8.52(2.1~11.0)
SEER2	(Btu/W)	19.2
EER2	(Btu/W)	12.0
Heating Efficiencies & Capacity Data:		
Capacity	(Btu/h)	25000(12200~32200)
Power Input	(W)	2220(670~2500)
Current	(A)	8.19(4.6~11.3)
HSPF2-4	(Btu/W)	10.5
HSPF2-5	(Btu/W)	8.8
COP	W/W	3.30
Heat at 17F (H32)	(Btu/h)	21000
Heat at 5F (H42)	(Btu/h)	27000
COP at 5F (H42)	W/W	2.00
Temperature Ratings:		
Indoor (cooling)	(Deg. F)	62~90
Indoor (heating)	(Deg. F)	32~86
Outdoor (cooling)	(Deg. °F)	-22~122
Outdoor (heating)	(Deg. °F)	-22~75

INDOOR UNIT DATA		
Input	(W)	90.00
Output	(W)	160.0
RLA	(A)	1.5
Speed(Hi/Mi/Lo)	(RPM)	/
Air Flow & Sound Data:		
Indoor air flow (Hi/Med/Lo)	(CFM)	775.47/693.06/434.88
Indoor noise level (Hi/Med/Lo)	(DBA)	44/40/35.5
Dry Mode (Dehumidification)	(LPH)	1.59

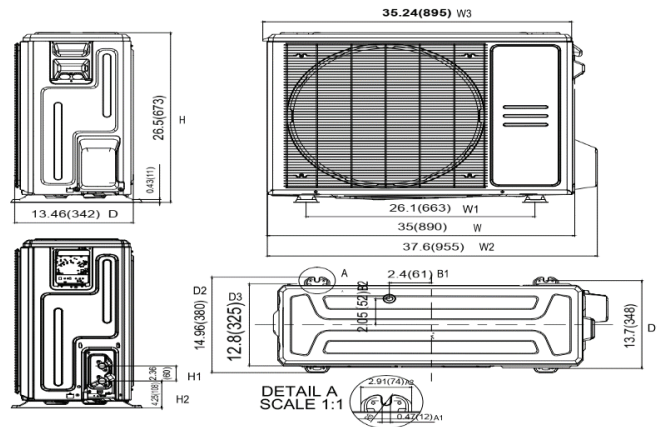
OUTDOOR UNIT DATA		
Compressor:		
Type		Twin-ROTARY
Capacity	(Btu/h)	25931
Input	(W)	2045
Rated current (RLA)	(A)	17.1
Outdoor Fan Motor:		
Qty		1
Input	(W)	150
Output	(W)	120
RLA	(A)	0.5
Speed	(RPM)	950/800/500
Airflow & Sound Data:		
Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	(DBA)	62.0

REFRIGERANT PIPE DATA		
Refrigerant type		R410A
Refrigerant charge	(oz)	91.71
Design pressure	(PSIG)	550/340
Liquid side / Gas side	(inch)	3/8" / 5/8"
Max. pipe length	(ft)	164.0
Max. height difference	(ft)	82.0
Refrigerant Precharge	(ft)	25.0
Additional charge for each ft	(oz/ft)	0.32
Connection method		Flared
Refrigerant oil / oil charge	(ml)	ESTER OIL VG74 620

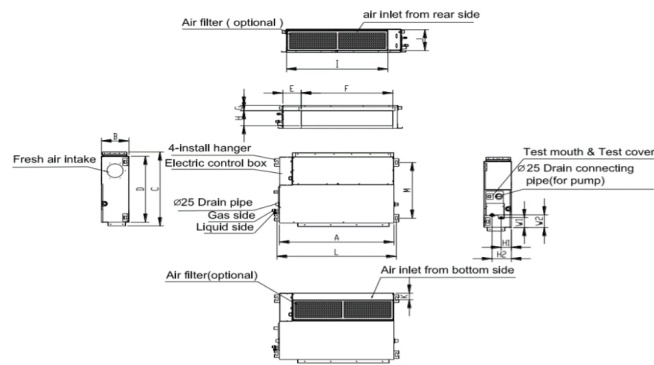
Dimensions:		
Indoor:		
Dimension (WxDxH)	(inch)	43.31x30.47x9.80
Packing(WxDxH)	(inch)	51.38x31.69x12.40
Net/Gross weight	(lbs.)	90.39/105.82
Outdoor:		
Dimension (WxDxH)	(inch)	37.24x16.14x31.89
Packing(WxDxH)	(inch)	42.91x19.69x34.84
Net/Gross weight	(lbs.)	134.48/144.40

WARRANTY	
	5 years compressor 5 years parts

Outdoor Unit Dimension



Indoor Unit Dimension (Internal Pump)



Model	Unit	Outline Dimension				Air Outlet Opening Size				Air Return Opening Size			Install Hanger Size		Size of Refrigerant Pipe			
		A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
24	inch	43.3	9.8	30.5	27.6	5.5	36.5	2.0	6.9	39.4	9.0	0.2	44.9	23.5	3.1	5.9	5.1	6.1

Indoor Unit Dimension (External Pump)

