

TAG: _____

SUBMITTAL

3.0 Ton Multi-position ECM Air Handler J5AH5E36A1B00AA

NOTE: 25" CLEARANCE IS REQUIRED IN THE FRONT OF THE UNIT FOR FILTER AND COIL MAINTENANCE.
SUPPLY AIR

ELECTRICAL CONNECTIONS
MAY EXIT TOP OR EITHER SIDE

HIGH VOLTAGE CONNECTION 7/8",
1-3/8", 1-3/4" DIA KNOCK OUTS

FLANGES ARE PROVIDED
FOR FIELD INSTALLATION

LOW VOLTAGE CONNECTION

BREAKER SWITCH
(FOR ELECTRIC HEATER ONLY)

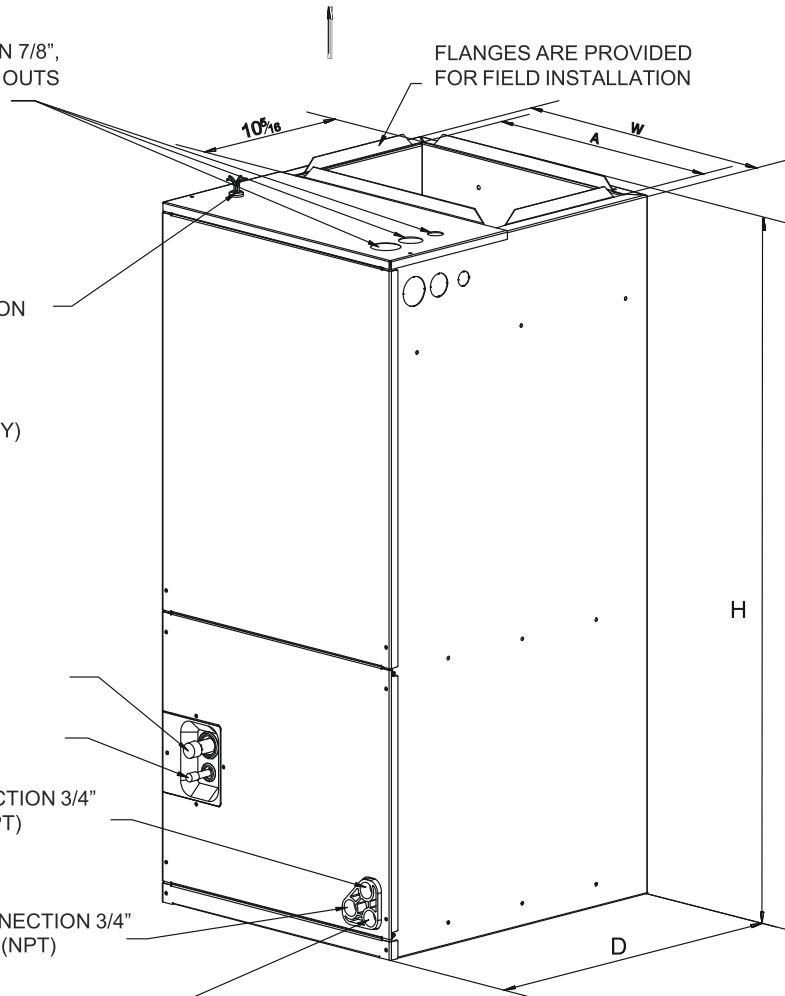
VAPOR LINE CONNECTION COPPER

LIQUID LINE CONNECTION COPPER

AUXILIARY DRAIN CONNECTION 3/4"
FEMALE PIPE THREAD (NPT)

AUXILIARY DRAIN CONNECTION 3/4"
FEMALE PIPE THREAD (NPT)

PRIMARY DRAIN CONNECTION 3/4"
FEMALE PIPE THREAD (NPT)



UPFLOW UNIT SHOWN;
UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW,
HORIZONTAL RIGHT, OR LEFT AIR SUPPLY.

NOTE: All dimensions are in inches.

Model	W	H	D	A
J5AH5E36A1B00AA	19-5/8	46-1/2	21-5/8	18

PRODUCT SPECIFICATIONS

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MODEL	J5AH5E36A1B00AA
RATED VOLTS/PH/HZ	208/230V/1Ph/60Hz
RATINGS	See O.D. Specifications
Min. Circuit Amps	4.2A
Max. Fuse or MAX CKT.BKR.	15A
INDOOR COIL — Type	Plate Fin
Rows — F.P.I.	4-17
Face Area (sq. ft.)	4
Tube Size (in.)	9/32
Refrigerant Control	Orifice
Drain Conn. Size (in.)	3/4 FPT
DUCT CONNECTIONS	See Outline Drawing
INDOOR FAN — Type	Centrifugal
MOTOR—Type	ECM
Diameter-Width (In.)	10 - 10
No. Used	1
Drive - No. Speeds	Direct - 5
CFM vs. in. w.g.	See Fan Performance Table
No. Motors — H.P.	1 - 1/2
Motor Speed R.P.M.	1050
Volts/Ph/Hz	208/230V/1Ph/60Hz
F.L. Amps	3.3
FILTER	
Filter Furnished?	No
Type Recommended	Throwaway
No.-Size-Thickness	1 - 18 X 20 - 1 in.
REFRIGERANT	R454B
Ref. Line Connections	Brazed
Coupling or Conn. Size — in. Gas	3/4
Coupling or Conn. Size — in. Liq.	3/8
RATED SOUND POWER LEVEL(dB)	72
DIMENSIONS	W x H x D
Crated (In.)	22-5/16x 47-1/8x 25-3/8
Uncrated	19-5/8x 46-1/2x 21-5/8
WEIGHT	
Shipping (Lbs.) / Net (Lbs.)	141/126

Heater Kit Model Used	Electric Heat (kW)	Min. Circuit Ampacity		Max. Fuse or Breaker (HACR) Ampacity		Minimum HeatingBlower Speed	
		240V	208V	240V	208V	Without HP	With HP
5JAYHTR1A05BK*	5	26.1	22.6	30	25	1050	1050
5JAYHTR1A08BK*	7.5	39.1	33.9	40	35		
5JAYHTR1A10BK*	10	52.1	45.2	60	50		
5JAYHTR1A15BK*	15	52.1/26.1	45.2/22.6	60/30	50/25		
5JAYHTR1A20BK*	20	52.1/52.1	45.2/45.2	60/60	50/50		

PRODUCT SPECIFICATIONS

Optional TXV kit part numbers. Some combinations may require a TXV. See AHRI for system combination ratings

Outdoor Unit Capacity (Tons)	R454B TXV Kit
1.5-3.0	5AYTXVH3A1836A
3.5-4.0	5AYTXVH3A4248A
5.0	5AYTXVH3A6000A

Note: Factory set at Medium High Speed.

Motor Speed	AIR FLOW PERFORMANCE									
	J5AH5E36A1B00AA									
	External Static Pressure-Inches W.C. (kPa)									
		0(0)	0.1(.02)	0.2(.05)	0.3(.07)	0.4(.10)	0.5(12)	0.6(.15)	0.7(.17)	0.8(.20)
1	CFM	676	608	550	492	422	369	311	274	233
2	CFM	770	717	666	615	552	512	457	406	364
3	CFM	903	856	808	767	722	665	618	577	535
4	CFM	987	945	900	861	821	766	737	677	636
5	CFM	1055.6	1012.3	970.6	930.3	883.4	844.9	811.8	774.8	715.3

Mechanical Specifications

- Unique Cabinet Design
- Metal shell and glass cotton thermal insulation layer
- Multi-Position UP/Down Flow Horizontal Left /Right
- Braze in Refrigerant Connection
- Primary/Secondary Condensate Connections
- Blower with Integrated Slide Deck for Easy Removal
- Inner-groove aluminum tube and high-efficiency aluminum fin Coil with Integrated Slide Deck for Easy Removal
- More auxiliary Electric Heaters optional
- ECM 5 Speed Motor
- High Efficiency
- Integrated Horizontal Drain pans and metal Vertical Drain
- Fused 24V Power
- Suitable for Manufactured/Mobile Home Use.



The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specification without notice.

BX-PRQ- J5AH5E36A1B00AA-1A