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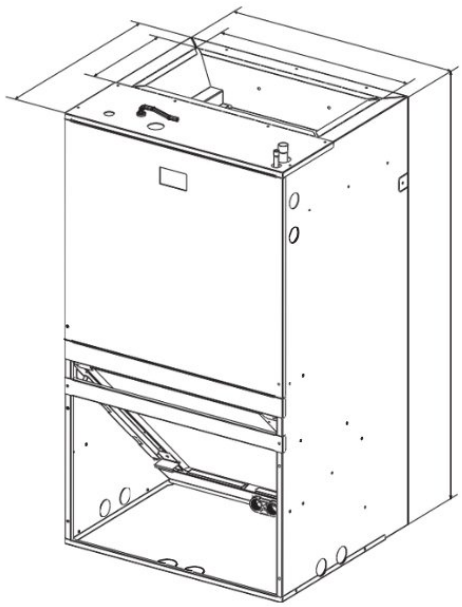
Submittal

2.5 / 3 Ton Wall-Mount
Air Handler - 1 Phase
*DWM5P301B00**
*DWM5P361B00**

Standard Features:

- Multi-speed PSC motor design.
- Drain pan with bottom primary and secondary drain connections..
- Built-in wall-hanging bracket.
- Optional electric heater kits: 5, 7.5, 10kW.
- All-aluminum heat exchanger prevent for formicary corrosion.
- R32 refrigerant sensor is factory-installed, ensures safe operation.

FOR ILLUSTRATIVE PURPOSES ONLY



Model	W - inch [mm]	H - inch [mm]	L - inch [mm]	GAS VALVE SIZE in.	LIQUID VALVE SIZE in.
DWM5P301B00*	22[559]	39-3/5 [1006]	19[485]	3/4	3/8
DWM5P361B00*	22[559]	39-3/5 [1006]	19[485]	3/4	3/8

NOMINAL RATING	2.5 Ton	3Ton
Cooling (BTU/h)	26,800	33,000
Rate CFM	960	1,100
External Static Pressure (in.w.c) [Pa]	0.58[1 45]	0.58 [145]
ELECTRICAL DATA		
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253
MCA	2.79	2.79
MOP	3	3
INDOOR UNIT COIL		
Type	Tube & Fin	Tube & Fin
Material	ALL-Aluminum	ALL-Aluminum
Tube Size (in.)	9/32	9/32
FAN MOTOR		
Motor Type	PSC	PSC
Capacitor(uF)	15	15
Horsepower (HP)	3/10	3/10
Full Load Amps (FLA)	2.23	2.23
BLOWER		
Material	Metal	Metal
Diameter(in.)	9	9
Coil Drain Connection FPT (in.)	3/4"	3/4"
REFRIGERATION CONNECTION		
Liquid Line Size (“O.D.)	3/8"	3/8"
Suction Line Size (“O.D.)	3/4"	3/4"
SHIPPING DIMMENTION - (IN.) [mm]		
Width	24-5/8[625]	24-5/8[625]
Heig ht	42-15 /16[10 90]	42-15 /16[10 90]
Length	22-1/4[565]	22-1/4[565]
SHIPPING WEIGHT		
Shipping (LBS.) [kg]	119[53 .9]	119 [53.9]

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Heater Kit Model	Electric Heater (kW)	Min. Circuit Ampacity		Max. Fuse or Breaker (HACR) Ampacity		REFERENCE AIR HANDLER USE	Min. Heating Blower Speed (AC/HP) PSC MOTOR		
		208V	230V	208V	230V		LOW	MEDIUM	HIGH
AEHK-05(WM)	5	22.8	24.9	25	25	30K (PSC)	●	●	●
						36K (PSC)	●	●	●
AEHK-08(WM)	7.5	34.8	37.9	35	40	30K (PSC)	╳	●	●
						36K (PSC)	╳	●	●
AEHK-10(WM)	10	45.4	49.8	50	50	30K (PSC)	╳	●	●
						36K (PSC)	╳	●	●

╳ = Not available, ● = Available

Heater Kit Model	Electric Heater (kW)	Min. Circuit Ampacity		Max. Fuse or Breaker (HACR) Ampacity		REFERENCE AIR HANDLER USE	Min. Heating Blower Speed (AC/HP) ECM MOTOR			
		208V	230V	208V	230V		2	3	4	5
AEHK-05(WM)	5	22.8	24.9	25	25	30K (ECM)	●	●	●	●
						36K (ECM)	●	●	●	●
AEHK-08(WM)	7.5	34.8	37.9	35	40	30K (ECM)	╳	●	╳	●
						36K (ECM)	╳	●	●	●
AEHK-10(WM)	10	45.4	49.8	50	50	30K (ECM)	╳	●	╳	●
						36K (ECM)	╳	●	●	●

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AIR HANDLER MODEL	Motor Speed Factory Default (*)	AIR FLOW PERFORMANCE (PSC MOTOR)								
		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)
30K (PSC)	Low	CFM	1065	1048	1019	978	924	857	777	685	580
	Medium (*)	CFM	1296	1263	1221	1170	1109	1040	961	873	776
	High	CFM	1458	1415	1365	1308	1244	1173	1096	1011	919
36K (PSC)	Low	CFM	1065	1048	1019	978	924	857	777	685	580
	Medium	CFM	1296	1263	1221	1170	1109	1040	961	873	776
	High (*)	CFM	1458	1415	1365	1308	1244	1173	1096	1011	919

(*) = Factory Default

Note:

1. Airflow ratings are based on dry coil operation at 230V, without electric heat or filter. Verify that line voltage remains stable at the rated 230V to ensure consistent air delivery.
2. Airflow performance is identical for both front-return and bottom-return configurations.
3. System airflow requirement: 300–450 CFM per ton. (Note: Indoor Units equipped with electric heat kits require 350–450 CFM per ton.)
4. Rated airflow must be maintained during full-load operation of the equipment.
5. The duct system has the greatest impact on delivered airflow. Since the duct system is fully controlled by the contractor, only industry-recognized procedures should be applied.
6. Duct design and installation must be performed carefully. Improper layout or poor workmanship can reduce system capacity and efficiency.
7. Supply ducts and diffusers must be properly sized and located along the perimeter of the conditioned space. Undersized or misapplied diffusers can cause noise, drafts, or inadequate ventilation. Return grilles must also be correctly sized to provide sufficient airflow back to the blower.
8. The installer must balance the air distribution system to ensure quiet, uniform airflow throughout all zones. Air balancing should be verified using appropriate test i nst rume nt s.

Important:

1. When model 30 and 36 used with electrical heater kit 7.5kW and 10kW, you need to ensure that the air volume is not less than 1100 CFM.

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AIR HANDLER MODEL	Motor Speed Factory Default (*)	AIR FLOW PERFORMANCE (ECM MOTOR)									
		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)
30K (ECM)	2	CFM	1048	1008	979	933	884	836	770	724	680
	3(*)	CFM	1159	1121	1093	1059	1016	965	915	850	808
	4	CFM	1257	1231	1199	1169	1140	1095	1051	1000	943
	5	CFM	1472	1438	1404	1370	1336	1302	1268	1234	1200
36K (ECM)	2	CFM	1048	1008	979	933	884	836	770	724	680
	3	CFM	1159	1121	1093	1059	1016	965	915	850	808
	4(*)	CFM	1257	1231	1199	1169	1140	1095	1051	1000	943
	5	CFM	1472	1438	1404	1370	1336	1302	1268	1234	1200

(*) = Factory Default

Note:

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