Submittal

TAG:

PRODUCT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

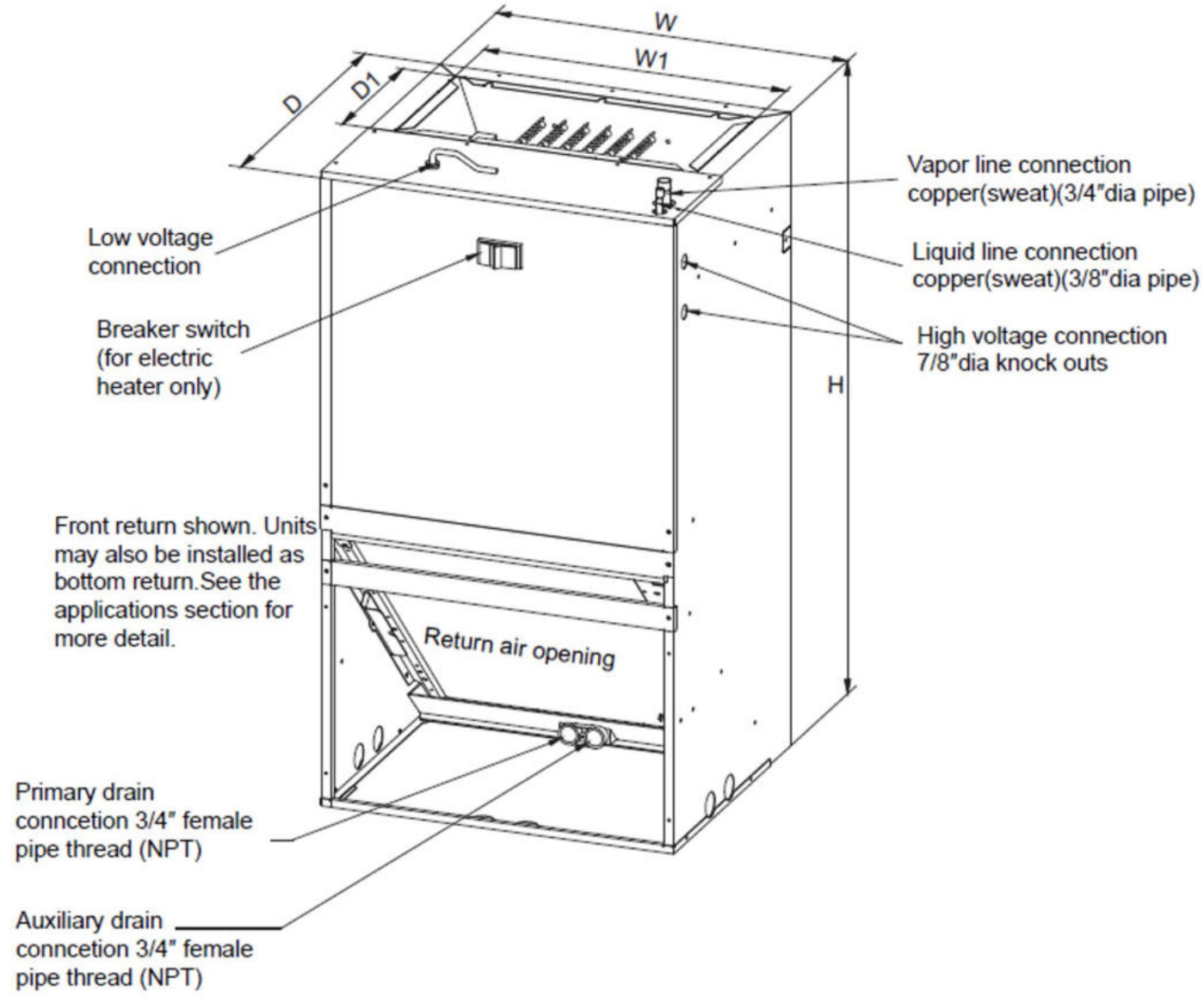
CONTRACTOR _____

SUBMITTED BY _____ **DATA** _____

UNIT SUMMARY						
Quantity						
Unit Designation						
Model No.						
Cooling Input						
Cooling Output						
CFM/ESP						
Electrical						
Minimum Ampacity						
Max Overcurrent Protection						
Net Unit Weight						
Accessory						
Catalog Form Number						

ACCESSORIES	**NOTES**

Air Handlers
CWM17 Series
Cooling capacity: 36 kBTU/h



Model Size	Dimensions inch (mm)					Unit Weight /Shipping Weight (kg(LBS))
	Unit Height "H" inch (mm)	Unit Width "W" inch (mm)	Unit Width "W1" inch (mm)	Unit Length "D" inch (mm)	Unit Length "D1" inch (mm)	
18	36-1/2 (928)	20-2/3 (526)	17-1/2 (446)	15 (381)	9-1/2 (242)	40.0/45.5 (88.2)/(100.3)
24	39-1/2 (1004)	22 (559)	18-4/5 (478)	19 (483)	9-1/2 (242)	48.5/55.0 (106.9)/(121.3)
30	39-1/2 (1004)	22 (559)	18-4/5 (478)	19 (483)	9-1/2 (242)	48.5/55.0 (106.9)/(121.3)
36	39-1/2 (1004)	22 (559)	18-4/5 (478)	19 (483)	9-1/2 (242)	48.5/55.0 (106.9)/(121.3)

Specifications

Model			**CWM17-36-15**
Cooling	Capacity	Btu/h	33000
	EER2	Btu/h.W	11.7
	SEER2	Btu/h.W	14.3
Refer to Room Area	square feet		516
MCA		A	5
MOP		A	6
Indoor fan motor	Type		ECM
	Power supply		AC220-240V/50 60Hz
	Model		DZJ-373F-12
	rate current	A	3.8
	Output	W	373
	Speed	rpm	1050
Indoor coil	Number of row		5
	Fin spacing	in	1/16
	Fin material		Hydrophilic
	Tube outside diameter	in	Φ 0.276
	Tube material		inner grooved
	Number of circuit		8
Indoor air flow		CFM	1065
Indoor noise level		dB(A)	54
Throttling type			Piston
Electric heater		kW	5/7.5/10kW
Indoor dimension	Unit dimension(W*D*H)	in	22"x19"x39-1/2"
		mm	559×483×1004
	Packing (WxDxH)	in	24-1/2"x21-4/5"x42-1/10"
		mm	630*565*1070
	Net / Gross weight	kg	48.5
		lbs	55
Service code			405

Airflow Data

Model size of air processor	Motor speed		SCFM						
			External Static Pressure-Inch Water Column [kPa]						
			0[0]	0.1[.02]	0.2[.05]	0.3[.07]	0.4[.10]	0.5[.12]	0.6[.15]
18K	Tap (5)	SCFM	917	898	853	821	789	761	730
		Watts	179	182	189	195	200	205	210
	Tap (4)	SCFM	872	837	804	770	737	709	679
		Watts	156	161	165	171	176	181	186
	Tap (3)	SCFM	814	776	739	705	671	639	606
		Watts	128	133	138	143	147	151	156
	Tap (2)	SCFM	708	664	622	580	542	496	432
		Watts	93	97	102	105	110	114	121
	Tap (1)	SCFM	633	585	538	494	438	382	340
		Watts	69	73	77	81	85	91	98
24K	Tap (5)	SCFM	1318	1282	1241	1205	1165	1113	1071
		Watts	268	276	282	289	296	304	311
	Tap (4)	SCFM	1230	1192	1151	1110	1055	1013	971
		Watts	223	230	236	243	250	257	263
	Tap (3)	SCFM	1129	1071	1025	976	933	886	840
		Watts	172	178	184	191	197	203	209
	Tap (2)	SCFM	1039	976	926	876	826	779	718
		Watts	136	142	147	153	159	165	172
	Tap (1)	SCFM	894	836	781	725	668	595	524
		Watts	98	103	108	112	118	124	129

30K	Tap (5)	SCFM	1318	1282	1241	1205	1165	1113	1071
		Watts	268	276	282	289	296	304	311
	Tap (4)	SCFM	1230	1192	1151	1110	1055	1013	971
		Watts	223	230	236	243	250	257	263
	Tap (3)	SCFM	1129	1071	1025	976	933	886	840
		Watts	172	178	184	191	197	203	209
	Tap (2)	SCFM	1039	976	926	876	826	779	718
		Watts	136	142	147	153	159	165	172
	Tap (1)	SCFM	894	836	781	725	668	595	524
		Watts	98	103	108	112	118	124	129
36K	Tap (5)	SCFM	1318	1282	1241	1205	1165	1113	1071
		Watts	268	276	282	289	296	304	311
	Tap (4)	SCFM	1230	1192	1151	1110	1055	1013	971
		Watts	223	230	236	243	250	257	263
	Tap (3)	SCFM	1129	1071	1025	976	933	886	840
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		Watts	136	142	147	153	159	165	172
	Tap (1)	SCFM	894	836	781	725	668	595	524
		Watts	98	103	108	112	118	124	129

--- The highlighted area indicates the airflow within the required range of 300-450cfm/ton.

Note:

1. The advanced airflow must be used as the rated airflow for the full-load operation of the machine.
2. The rated airflow of a system without an electric heater kit requires 300 to 450 cubic feet of air per minute (CFM).
3. The rated airflow of a system with an electric heater kit requires 350 to 450 cubic feet of air per minute (CFM).
4. The air distribution system has the greatest influence on air flow. Therefore, the contractor should only

use the procedures recognized by the industry.

5. The design and construction of air duct should be done carefully. Poor design or process will lead to a significant decline in system performance.

6. The air supply duct should be set along the periphery of the air-conditioned space with appropriate size. Improper location or insufficient airflow may lead to insufficient ventilation or noise in the ductwork.

7. The installer should balance the air distribution system to ensure that all rooms in the room have proper quiet airflow. The speedometer or airflow hood can be used to balance and verify the branch duct and system airflow (CFM)

MCA/MOP Data of Electric Heat Kit

Table 4.2 Applicable Heat Kits for AHU Multi Position Installation

Heat kit model	AHU model	electric heat(kW) 208/230VAC	Current (A) 208/230VAC	MCA (A) 208/230VAC	MAX.Fuse or Breaker (HACR) Ampacity		Fan speed				
					208 VAC	230 VAC	1	2	3	4	5
CHE6W-05B	18K	3.8/4.6	18.27/19.96	25/30	40	45	●	●	●	●	●
CHE6W-08B		5.6/6.9	27.08/29.95	30/35	50	57	×	×	●	●	●
CHE6W-05B	24K	3.8/4.6	18.27/19.96	25/30	40	45	●	●	●	●	●
CHE6W-08B		5.6/6.9	27.08/29.95	30/35	50	57	×	×	●	●	●
CHE6W-10B		7.5/9.2	36.11/39.93	40/45	55	60	×	×	×	●	●
CHE6W-05B	30K	3.8/4.6	18.27/19.96	25/30	40	45	●	●	●	●	●
CHE6W-08B		5.6/6.9	27.08/29.95	30/35	50	57	×	●	●	●	●
CHE6W-10B		7.5/9.2	36.11/39.93	40/45	55	60	×	×	●	●	●
CHE6W-05B	36K	3.8/4.6	18.27/19.96	25/30	40	45	●	●	●	●	●
CHE6W-08B		5.6/6.9	27.08/29.95	30/35	50	57	×	●	●	●	●
CHE6W-10B		7.5/9.2	36.11/39.93	40/45	55	60	×	×	●	●	●

Table 4.3 Heater Kit Accessories

Heat kit model Market Model/ Factory Model	Description	18	24	30	36
CHE6W-05B	5 kW heating kit, single-pole circuit breaker	●	●	●	●
CHE6W-08B	7.5 kW heating kit, single-pole circuit breaker	●	●	●	●
CHE6W-10B	10 kW heating kit, single/double pole circuit breaker	×	●	●	●

● indicates availability, and × indicates unavailability

Features

- High heat-transfer efficiency and low static-pressure drop coil.
- Foil-faced insulation to prevent energy loss through the cabinet.
- Multi-stage blower Speed Control to align with varying capacity demands.
- 2-position installation: Front return air and rear return air
- condensate drain pans standard.
- Field-installed electric heater kits 5, 7.5, 10 kW available as accessories.
  Multiple electrical entry locations.
- volute and coil with slide track.
- Integrated filter rack with toolless door access.
- Easy-to-braze copper evaporator connection.
- Advanced internal welding process to reduce potential corrosion.
- AHRI and ETL listed.
- Fully insulated cabinet design.
- R32 refrigerant sensor ensures safe operation.
- R32 refrigerant sensor is factory-installed, making unit suitable for more room types and applications.

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