Submittal

TAG:

PRODUCT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

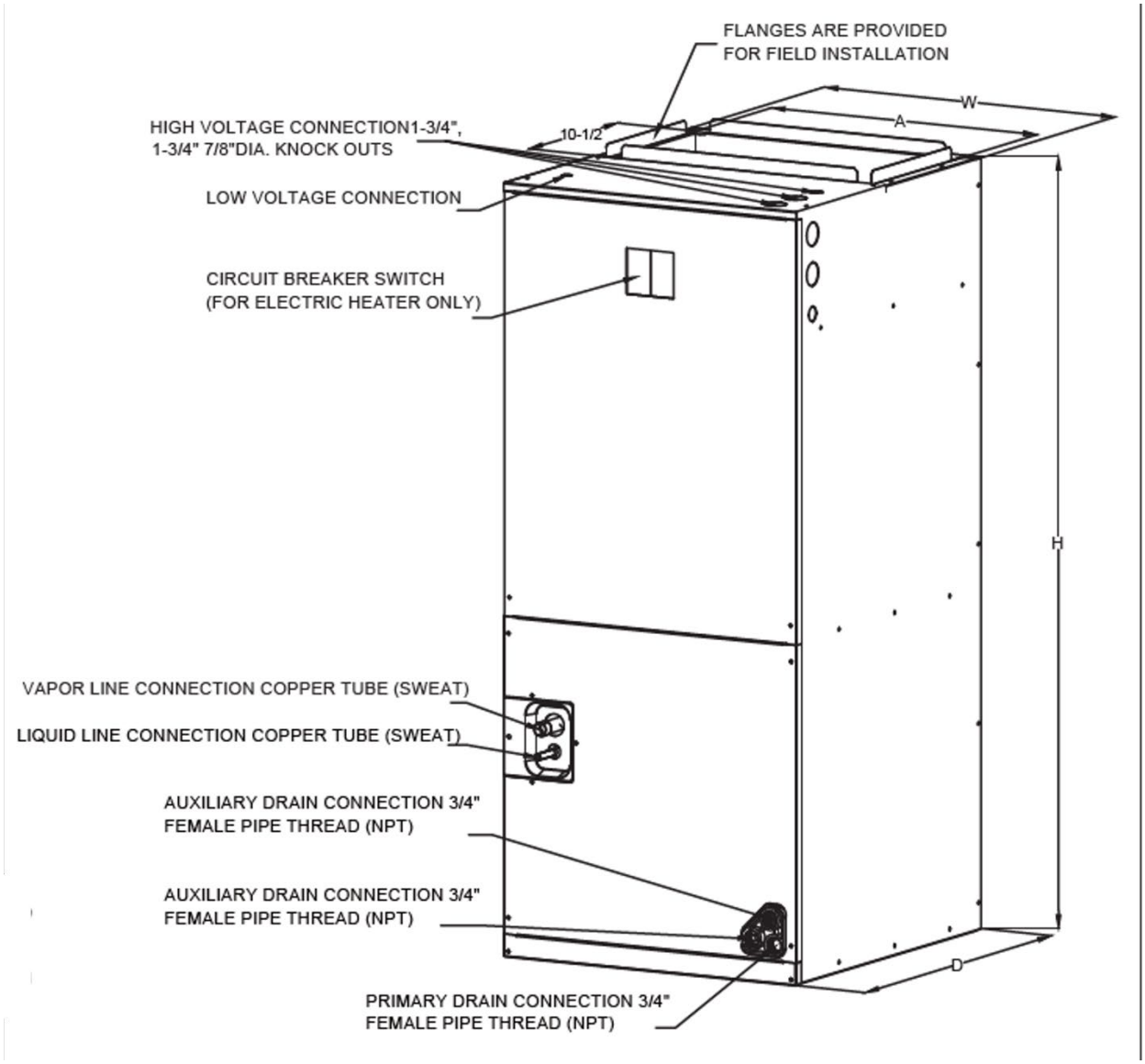
CONTRACTOR _____

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
LUC6 Series
Cooling capacity: 36kBTU/h



Model Size	Unit Height "H" in. [mm]	Unit Width "W" in. [mm]	Unit Length "D" in. [mm]	Supply Duct "A"	Unit Weight (lbs.[kg])
18	45-3/4 [1162]	19-5/8 [500]	22 [560]	17-7/8 [454]	123 [56]
24	45-3/4 [1162]	19-5/8 [500]	22 [560]	17-7/8 [454]	123 [56]
30	45-3/4 [1162]	19-5/8 [500]	22 [560]	17-7/8 [454]	132 [60]
36	45-3/4 [1162]	19-5/8 [500]	22 [560]	17-7/8 [454]	132 [60]
42	53-1/8 [1350]	22'' [560]	24 -1/2[623]	19-1/2'' [496]	159 [72]
48	53-1/8 [1350]	22'' [560]	24 -1/2[623]	19-1/2'' [496]	159 [72]
60	53-1/8 [1350]	22'' [560]	24 -1/2[623]	19-1/2'' [496]	170 [77]

Specifications

Market Model			LUC6-36-15
Power supply		V/Ph/Hz	208~230V/1N/60Hz
Indoor external static pressure		Pa	145
Throttle type			piston
MCA		A	2
MOP		A	3
Indoor coil	Number of row		4(row)×2(piece)
	Tube pitch(a)xrow pitch(b)	in	0.83×0.53
	Fin spacing	in	1/16
	Fin material		Hydrophilic
	Tube outside diameter	in	Φ 0.276
	Tube material		inner grooved
	Coil length x height x width	in	16 1/2×17 1/2×2 1/8
	Number of circuit		8
Indoor fan motor	Brand		Broad-Ocean
	Type		ECM
	Model		DZJ-373F-12
	Rate current	A	3.8
	Input	W	245.9
	Output	W	373
	Capacitor	μF	/
	Speed (Hi/Me Hi/Me/Me lo/Lo) 5/4/3/2/1	RPM	760/718/662/610/548
Blower	diameter	in	12 5/16
	width	in	12 29/32
Indoor air flow		CFM	1042
Indoor noise level		dB(A)	56
Indoor dimension	Unit (WxHxD)	in	19-5/8×45-3/4×22
		mm	500×1162×560
	Packing (WxHxD)	in	22-5/6×47-5/8×25-3/5
		mm	580×1210×650
	Net / Gross weight	kg	60/63.5
		lbs	132/140
Shipping per STD 20/40/40HQ			30/60/120

Airflow Data

Model size of air processor	Motor speed		SCFM								
			External Static Pressure-Inch Water Column [kPa]								
			0[0]	0.1[.025]	0.2[.050]	0.3[.075]	0.4[.100]	0.5[.125]	0.6[.150]	0.7[.175]	0.8[.200]
18K	Tap (1)	SCFM	669.9	571.8	490.9	394.3	269.5	-	-	-	-
		Watts	41	47	52	57	61	-	-	-	-
	Tap (2)	SCFM	792.2	708.6	615.9	548.5	474.2	371.5	265.1	-	-
		Watts	59	67	73	77	83	88	93	-	-
	Tap (3)	SCFM	948.8	887.5	809.6	723.6	671.6	597.0	504.2	410.2	-
		Watts	96	102	109	115	129	126	132	141	-
	Tap (4)	SCFM	1020.9	966.5	887.1	798.4	738.8	697.9	672.3	572.8	490.1
		Watts	118	127	136	144	150	156	160	167	177
	Tap (5)	SCFM	1115.2	1059.2	995.0	906.5	842.5	791.4	727.2	707.0	652.5
		Watts	148	157	167	178	186	191	198	205	211
24K	Tap (1)	SCFM	669.9	571.8	490.9	394.3	269.5	-	-	-	-
		Watts	41	47	52	57	61	-	-	-	-
	Tap (2)	SCFM	792.2	708.6	615.9	548.5	474.2	371.5	265.1	-	-
		Watts	59	67	73	77	83	88	93	-	-
	Tap (3)	SCFM	948.8	887.5	809.6	723.6	671.6	597.0	504.2	410.2	-
		Watts	96	102	109	115	129	126	132	141	-
	Tap (4)	SCFM	1020.9	966.5	887.1	798.4	738.8	697.9	672.3	572.8	490.1
		Watts	118	127	136	144	150	156	160	167	177
	Tap (5)	SCFM	1115.2	1059.2	995.0	906.5	842.5	791.4	727.2	707.0	652.5
		Watts	148	157	167	178	186	191	198	205	211
30K	Tap (1)	SCFM	955.3	897.8	839.5	739.4	655.3	575.9	511.5	432.4	392.2
		Watts	91	96	102	110	115	121	127	138	140
	Tap (2)	SCFM	1080.7	1031.5	977.4	925.6	819.4	743.8	675.5	608.7	547.1
		Watts	125	131	137	143	153	160	166	173	179
	Tap (3)	SCFM	1182.2	1138.1	1089.0	1042.9	986.9	879.5	811.4	749.5	689.2
		Watts	158	165	172	177	185	197	203	212	221
	Tap (4)	SCFM	1305.6	1261.8	1220.9	1179.5	1132.2	1086.1	984.1	914.5	856.6
		Watts	207	214	221	228	236	244	257	266	273
	Tap (5)	SCFM	1386.7	1350.0	1309.4	1274.6	1233.1	1186.6	1137.8	1031.5	970.0
		Watts	245	253	262	270	277	285	295	309	318
36K	Tap (1)	SCFM	955.3	897.8	839.5	739.4	65.5	575.9	511.5	432.4	392.2
		Watts	91	96	102	110	115	121	127	138	140
	Tap (2)	SCFM	1080.7	1031.5	977.4	925.6	819.4	743.8	675.5	608.7	547.1
		Watts	125	131	137	143	153	160	166	173	179
	Tap (3)	SCFM	1182.2	1138.1	1089.0	1042.9	986.9	879.5	811.4	749.5	689.2
		Watts	158	165	172	177	185	197	203	212	221
	Tap (4)	SCFM	1305.6	1261.8	1220.9	1179.5	1132.2	1086.1	984.1	914.5	856.6
		Watts	207	214	221	228	236	244	257	266	273
	Tap (5)	SCFM	1386.7	1350.0	1309.4	1274.6	1233.1	1186.6	1137.8	1031.5	970.0
		Watts	245	253	262	270	277	285	295	309	318

42K	Tap (1)	SCFM	1343.9	1271.9	1208.5	1150.9	1085.5	1042.0	899.4	839.6	777.6
		Watts	141.9	150.5	159.2	168	175	185	196	202	210
	Tap (2)	SCFM	1513.9	1451.5	1392.2	1320.2	1266.8	1211.4	1148.5	1036.2	975.4
		Watts	194.2	203.9	214	220.2	228.8	238.7	247.9	264.2	271.9
	Tap (3)	SCFM	1672.5	1620.5	1562.0	1522.0	1470.6	1422.7	1371.1	1309.8	1204.8
		Watts	259	271	282	293	303	312	323	333	353
	Tap (4)	SCFM	1807.3	1781.4	1731.6	1686.0	1640.4	1595.5	1547.1	1509.5	1460.8
		Watts	328.4	343.6	357.5	370.6	385.6	395.2	407	418	430
	Tap (5)	SCFM	2048.0	2000.5	1950.9	1905.3	1861.4	1819.2	1776.4	1729.9	1684.1
		Watts	447	462	476	491	507	520	525.6	538	550
48K	Tap (1)	SCFM	1343.9	1271.9	1208.5	1150.9	1085.5	1042.0	899.4	839.6	777.6
		Watts	141.9	150.5	159.2	168	175	185	196	202	210
	Tap (2)	SCFM	1513.9	1451.5	1392.2	1320.2	1266.8	1211.4	1148.5	1036.2	975.4
		Watts	194.2	203.9	214	220.2	228.8	238.7	247.9	264.2	271.9
	Tap (3)	SCFM	1672.5	1620.5	1562.0	1522.0	1470.6	1422.7	1371.1	1309.8	1204.8
		Watts	259	271	282	293	303	312	323	333	353
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		Watts	328.4	343.6	357.5	370.6	385.6	395.2	407	418	430
	Tap (5)	SCFM	2048.0	2000.5	1950.9	1905.3	1861.4	1819.2	1776.4	1729.9	1684.1
		Watts	447	462	476	491	507	520	525.6	538	550
60K	Tap (1)	SCFM	1275.4	1220.3	1165.5	1115.8	1051.6	974.7	913.6	859.1	800.6
		Watts	153	163	173	183	194	203	212	220	231
	Tap (2)	SCFM	1435.1	1381.7	1335.1	1289.5	1243.6	1186.2	1113.6	1075.9	1016.2
		Watts	210	220	232	243	254	266	276	287	297
	Tap (3)	SCFM	1610.6	1567.1	1528.1	1482.2	1440.8	1396.1	1350.6	1261.8	1219.6
		Watts	287	301	313	325	336	355	361	381	391
	Tap (4)	SCFM	1756.8	1718.5	1674.5	1633.8	1601.1	1557.2	1519.5	1475.1	1426.2
		Watts	366	376	392	405	415	431	444	459	472
	Tap (5)	SCFM	1917.1	1882.9	1842.6	1798.9	1772.9	1734.2	1700.6	1662.9	1622.4
		Watts	467	482	496	512	525	542	553	569	584

--- 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)

Features

- High heat-transfer efficiency and low static-pressure drop A-shaped coil.
- Foil-faced insulation to prevent energy loss through the cabinet.
- Factory-sealed cabinet certified to achieve 2% or less air leakage rate at 1.0-inch water column.
- Multi-stage blower Speed Control to align with varying capacity demands.
- 4-position installation: Upflow, Horizontal Right, Downflow, Horizontal Left.
- Horizontal and vertical condensate drain pans standard, primary and secondary condensate fittings.
- Field-installed electric heater kits 5, 7.5, 10, 15, 20 kW available as accessories. Multiple electrical entry locations.
- Dual front panel, 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.
- R454B refrigerant sensor ensures safe operation.
- R454B refrigerant sensor is factory-installed, making unit suitable for more room types and applications.

ComfortStar®

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