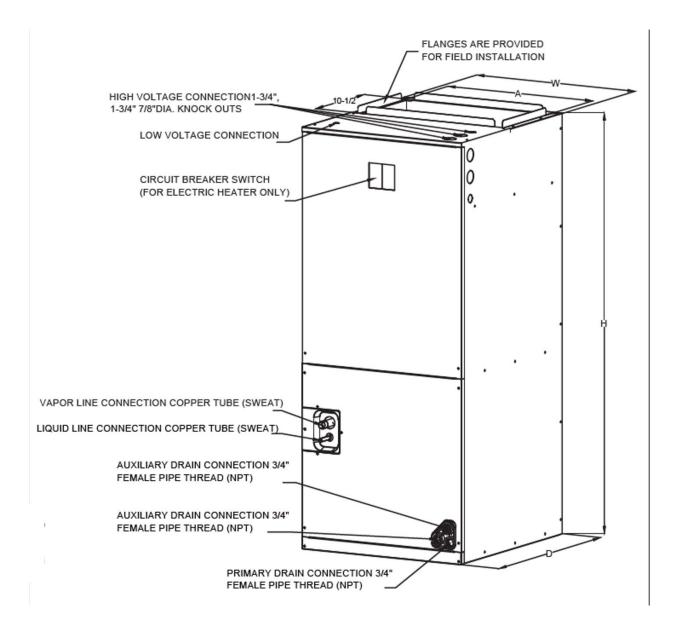
Submittal

PRODUCT NAME					
LOCATION					
ARCHITECT					
ENGINEER					
SUBMITTED BY				DATA	
	.	UNIT SUM	IMARY		
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: 24kBTU/h



Model Size	Unit Height "H" in. [mm]	Unit Width "W" in. [mm]	Unit Length "D" in. [mm]	Supply Duct "A"	Unit Weight (Ibs.[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 Mode	I		LUC6-24-15
Power supply		V/Ph/Hz	208~230V/1N/60Hz
Indoor externa	al static pressure	Ра	145
Throttle type			piston
MCA		Α	1.5
МОР		Α	3
Indoor coil	Number of row		3(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	17 5/8×14 7/8×1 5/8
	Number of circuit		6
Indoor fan	Brand		Broad-Ocean
motor	Туре		ECM
	Model		DZJ-249F-12
	Rate current	Α	2.6
	Input	w	142.4
	Output	w	249
	Capacitor	μF	/
	Speed (Hi/Me Hi/Me/Me lo/Lo) 5/4/3/2/1	RPM	643/593/556/476/412
Blower	diameter	in	12 5/16
	width	in	12 29/32
Indoor air flov	v	CFM	742
Indoor noise l	evel	dB(A)	54
Indoor	Unit (WxHxD)	in	19-5/8×45-3/4×22
dimension		mm	500×1162×560
	Packing (WxHxD)	in	22-5/6×47-5/8×25-3/5
		mm	580×1210×650
	Net / Gross weight	kg	56/61.5
		lbs	123/135
Shipping per S	TD 20/40/40HQ	1	30/60/120

Airflow Data

Model size			SCFM External Static Pressure-Inch Water Column [kPa]								
of air processor	Motor speed	-	0(0)	0.41.0051							0.01.0001
p10003301		COEM	0[0] 669.9	0.1[.025]	0.2[.050]		0.4[.100]	0.5[.125]	0.6[.150]	0.7[.175]	0.8[.200]
	Tap (1)	SCFM		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	-	-
18K	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		177
	Tap (5)	SCFM	1115.2	1059.2	995.0	906.5	842.5	791.4	727.2		652.5
		Watts	148	157	167	178	186	191	198	205	211
	Tap (1)	SCFM	669.9	571.8	490.9	394.3	269.5	-	-	-	-
18К	/	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	-	-
24K	Tap (3)	SCFM	948.8	887.5	809.6	723.6	671.6	597.0	504.2		-
		Watts	96	102	109	115	129	126	132		-
	Tap (4)	SCFM	1020.9	966.5	887.1	798.4	738.8	697.9	672.3		490.1
		Watts	118	127	136	144	150	156	160		177
	Tap (5)	SCFM	1115.2	1059.2	995.0	906.5	842.5	791.4	727.2		652.5
		Watts	148	157	167	178	186	191	198	205	211
				_		_					
	Tap (1)	SCFM	955.3	897.8	839.5						
		Watts	91	96	102	110	115	121			
	Tap (2)	SCFM	1080.7	1031.5	977.4	925.6	819.4	743.8	675.	5 608.	7 547.1
	Tup (2)	Watts	125	131	137	143	153	160	166	173	3 179
2014	Tap (3)	SCFM	1182.2	1138.1	1089.0	1042.9	986.9	879.5	6 811.4	4 749.	5 689.2
JUN	Tap (3)	Watts	158	165	172	177	185	197	203	212	2 221
	T== (4)	SCFM	1305.6	1261.8	1220.9	9 1179.	5 1132.3	2 1086.	1 984.	167 2 707.0 63 205 - - - 1 - 2 410.2 2 141 3 572.8 49 0 167 - 2 707.0 63 2 707.0 63 2 707.0 63 2 707.0 63 2 707.0 63 3 205 - 411.5 432.4 127 138 75.5 608.7 166 173 11.4 749.5 203 212 84.1 914.5 257 266	5 856.0
	Tap (4)	Watts	207	214	221	228	236	244	257	266	3 273
	T (C)	SCFM	1386.7	1350.0	1309.4	1274.6	5 1233. ⁻	1 1186.0	6 1137.	8 1031	.5 970.0
	Tap (5)	Watts	245	253	262	270	277	285	295	309	318
		SCFM	955.3	897.8	839.5	739.4	65.5	575.9	9 511.	5 432.	4 392.2
	Tap (1)	Watts	91	96	102	110	115	121			
36K		SCFM	1080.7	1031.5			_				
	Tap (2)	Watts	125	131	137	143	153	160			
	Tap (3)	SCFM	1182.2	1138.1	1089.0						
		Watts	158	165	172	177	185	197			
		SCFM	1305.6	1261.8							
	Tap (4)	Watts	207	214	221	228	236	2 1000.			
	Tap (5)	SCFM	1386.7	1350.0							
		Watts	245	253	262	270	277	285	295	309	318

	Tap (1)	SCFM	1343.9	1271.9	1208.5	1150.9	1085.5	1042.0	899.4	839.6	777.6
	Tap (T)	Watts	141.9	150.5	159.2	168	175	185	196	839.6 202 1036.2 264.2 1309.8 333 1509.5 418 1729.9 538 839.6 202 1036.2 2418 1729.9 538 839.6 202 1036.2 264.2 1309.8 333 1509.5 418 1729.9 538 859.1 220 1075.9 287 1261.8 381 1475.1 459 1662.9 569	210
	Tap (2)	SCFM	1513.9	1451.5	1392.2	1320.2	1266.8	1211.4	1148.5	1036.2	975.4
	Tap (2)	Watts	194.2	203.9	214	220.2	228.8	238.7	247.9	264.2	271.9
104	Tap (2)	SCFM	1672.5	1620.5	1562.0	1522.0	1470.6	1422.7	1371.1	1309.8	1204.8
42N	Tap (3)	Watts	259	271	282	293	303	312	323	333	353
		SCFM	1807.3	1781.4	1731.6	1686.0	1640.4	1595.5	1547.1	1509.5	1460.8
	Tap (4)	Watts	328.4	343.6	357.5	370.6	385.6	395.2	407	418	430
	Top (5)	SCFM	2048.0	2000.5	1950.9	1905.3	1861.4	1819.2	1776.4	1729.9	1684.1
	Tap (5)	Watts	447	462	476	491	507	520	525.6	202 1036.2 264.2 1309.8 333 1509.5 418 1729.9 538 839.6 202 1036.2 264.2 1309.8 333 1509.5 418 1729.9 538 859.1 220 1075.9 287 1261.8 381 1475.1 459 1662.9	550
	Top (1)	SCFM	1343.9	1271.9	1208.5	1150.9	1085.5	1042.0	899.4	202 203 204.2 1309.8 333 1509.5 418 41729.9 538 839.6 202 1309.8 333 1509.5 418 41729.9 538 202 1036.2 202 1036.2 202 1309.8 333 1509.5 418 41729.9 538 333 1509.5 418 41729.9 538 859.1 220 538 859.1 220 538 859.1 220 538 381 538 381 541261.8 381 5459 538 381<	777.6
	Tap (T)	Watts	141.9	150.5	159.2	168	175	185	196		210
42K Tap (3) Watts 194.2 20 42K Tap (3) SCFM 1672.5 162 Watts 259 2 Tap (4) SCFM 1807.3 178 Watts 328.4 34 Tap (5) SCFM 2048.0 200 Watts 328.4 34 Tap (5) SCFM 2048.0 200 Watts 328.4 34 Tap (5) SCFM 2048.0 200 Watts 447 44 Tap (1) SCFM 1343.9 127 Watts 141.9 15 145 Tap (1) SCFM 1343.9 127 Watts 194.2 20 145 Watts 194.2 20 145 Tap (2) SCFM 1672.5 162 Watts 259 2 178 1807.3 178 Watts 328.4 34 34 328.4	$T_{ab}(2)$	SCFM	1513.9	1451.5	1392.2	1320.2	1266.8	1211.4	1148.5	1036.2	975.4
	203.9	214	220.2	228.8	238.7	247.9	264.2	271.9			
	$T_{op}(2)$	SCFM	1672.5	1620.5	1562.0	1522.0	1470.6	1422.7	1371.1	1309.8	1204.8
40 r	Tap (3)	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	5 1036.2 9 264.2 1 1309.8 333 333 1 1509.5 418 4 4 1729.9 6 538 4 839.6 5 1036.2 9 264.2 1 1309.8 3 333 1 1509.5 7 418 4 1729.9 6 538 3 333 1 1509.5 7 418 4 1729.9 6 538 6 859.1 2 220 6 1075.9 6 1261.8 381 381 5 1475.1 4 459 6 1662.9	1460.8
	Tap (4)	Watts	328.4	343.6	357.5	370.6	385.6	395.2	196 202 1.4 1148.5 1036.2 3.7 247.9 264.2 2.7 1371.1 1309.8 2 323 333 5.5 1547.1 1509.5 5.2 407 418 9.2 1776.4 1729.9 10 525.6 538 2.0 899.4 839.6 35 196 202 1.4 1148.5 1036.2 2.0 899.4 839.6 35 196 202 1.4 1148.5 1036.2 2.7 1371.1 1309.8 2 323 333 5.5 1547.1 1509.5 5.2 407 418 9.2 1776.4 1729.9 9.2 1776.4 1729.9 9.2 1776.4 1729.9 9.2 1776.4 1729.9 9.2 1776.4 1729.9	430	
	Tep (5)	SCFM	2048.0	2000.5	1950.9	1905.3	1861.4	1819.2		1684.1	
	Tap (5)	Watts	447	462	476	491	507	520	525.6	538	550
	Top (1)	SCFM	1275.4	1220.3	1165.5	1115.8	1051.6	974.7	913.6	859.1	800.6
	Tap (T)	Watts	153	163	173	183	194	203	212	220	231
	Top (2)	SCFM	1435.1	1381.7	1335.1	1289.5	1243.6	1186.2	1113.6	1075.9	1016.2
	Tap (2)	Watts	210	220	232	243	254	266	276	287	297
601	Top (2)	SCFM	1610.6	1567.1	1528.1	1482.2	1440.8	1396.1	1350.6	1261.8	1219.6
UUK	Tap (3)	Watts	287	301	313	325	336	355	361	381	391
	Tap (4)	SCFM	1756.8	1718.5	1674.5	1633.8	1601.1	238.7 247.9 264 1422.7 1371.1 1309 312 323 333 1595.5 1547.1 1509 395.2 407 414 1819.2 1776.4 1729 520 525.6 533 1042.0 899.4 839 185 196 203 1211.4 1148.5 1036 238.7 247.9 264 1422.7 1371.1 1309 312 323 333 1595.5 1547.1 1309 312 323 333 1595.5 1547.1 1509 395.2 407 414 1819.2 1776.4 1729 520 525.6 533 974.7 913.6 859 203 212 220 1186.2 1113.6 1075 266 276 283 1396.1 1350.6 1	1475.1	1426.2	
	Tap (4)	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
	Tap (5)	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.



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