LUC17-60-15

Submittal / unit summary

TAG: _____

PRODUCT NAME	ComfortStar Air Handler - LUC17-60-15
LOCATION	Uni Capital Palm Ave
ARCHITECT	Modis Architects LLC
ENGINEER	Restekc Consulting
CONTRACTOR	Levy WJ Air Comtioning
SUBMITTED BY	A&R Supply
DATE	10/19/2026

UNIT SUMMARY

Quantity	
Unit Designation	AHU-1.1, AHU-1.2, AHU-2.1
Model No.	LUC17-60-15
Cooling Input	
Cooling Output	56,000 Btu/h
CFM / ESP	1,700 CFM / ESP: _____
Electrical	
Minimum Ampacity	7 A (without electric heat)
Max Overcurrent Protection	10 A (without electric heat)
Net Unit Weight	170 lb
Accessory	
Catalog Form Number	

ACCESSORIES

NOTES

Electric heat: see compatible heater kits on the final page.

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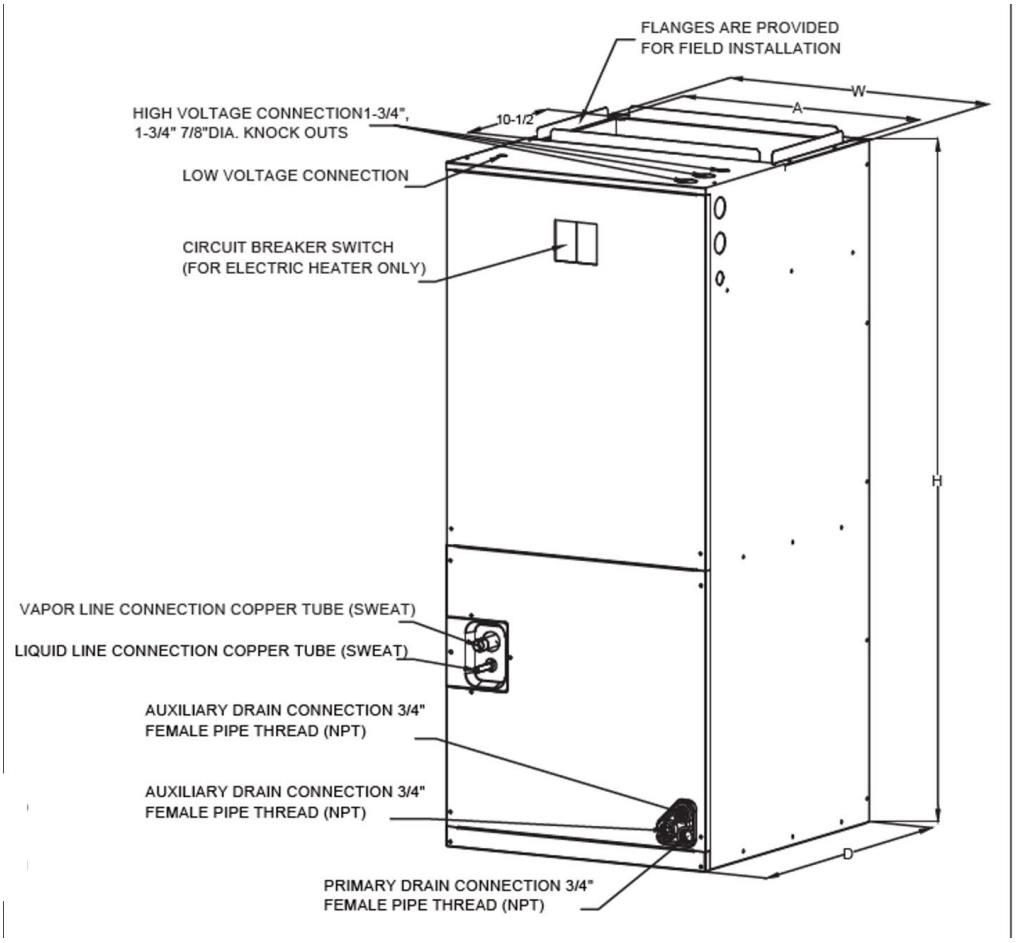
Individual specifications

PERFORMANCE / ELECTRICAL	SPECIFICATION
Cooling capacity	56,000 Btu/h
Power supply	
MCA / MOP - without electric heater	7 A / 10 A
Indoor airflow / noise	1,700 CFM / 60 dB(A)
Throttling type	Piston
Minimum / maximum voltage	187 / 253 V
Cooling operating range	54-120 degrees F
INDOOR MOTOR / BLOWER	
Motor type	ECM
Motor output / rated current	560 W / 5.4 A
Motor speeds	977 / 833 / 760 / 683 / 610 rpm
Fan type / material	Centrifugal volute / Metal
Fan diameter / width	12-5/16 in. / 12-29/32 in.
INDOOR COIL	
Fin material / tube material	Hydrophilic / Inner grooved

OUTDOOR UNIT MODEL NO.	INDOOR UNIT MODEL NO.	COOLING CAPACITY (BTU/H)	SEER2 (BTU/H/W)	EER2 (BTU/H/W)
CUC60-15-S	LUC17-60-15	56000	14.3	11.7

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Dimensions and connection details



DIMENSION / PACKAGING	DATA
Height H / width W	53-1/8 in. [1350 mm] / 22 in. [560 mm]
Depth D / supply duct A	24-1/2 in. [623 mm] / 19-1/2 in. [496 mm]
Packing W x H x D (in.)	28 x 54-3/4 x 25-1/5
Packing W x H x D (mm)	
Net / gross weight - specification data	170 / 183 lb
Unit weight - dimensional data	174 lb [79 kg]

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Model-specific blower 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]
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

Gray shading identifies the 300-450 CFM/ton range. Airflow is SCFM; power is watts. External static pressure is in. w.c., with kPa in brackets.

Airflow application notes

1. Use the advanced airflow as the rated airflow for full-load operation.

2. Airflow requirement: 300-450 CFM per ton without an electric heater kit; 350-450 CFM per ton with an electric heater kit.

3. Air distribution has the greatest influence on airflow. The contractor should use industry-recognized procedures.

4. Carefully design and construct air ducts; poor design or workmanship can significantly reduce system performance.

5. Locate and size supply ducts appropriately around the conditioned space. Insufficient airflow or improper placement may cause inadequate ventilation or duct noise.

6. Balance airflow to all rooms. Use an airflow hood or speedometer to verify branch duct and system airflow.

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Features and compatible electric heater kits

- High heat-transfer efficiency A-shaped coil with low static-pressure drop.
- Foil-faced insulation and fully insulated cabinet.
- Factory-sealed cabinet with 2% or less air leakage at 1.0 in. w.c.
- Multi-stage blower speed control.
- Four-position installation: upflow, horizontal right, downflow and horizontal left.
- Standard horizontal and vertical condensate drain pans with primary and secondary fittings.
- Multiple electrical entry locations.
- Dual front panels; blower scroll and coil mounted on slide tracks.
- Integrated filter rack with tool-free door access.
- Copper evaporator connections for brazing.
- Advanced internal welding process to reduce potential corrosion.
- AHRI certified and ETL listed.
- Factory-installed R32 refrigerant sensor.

Compatible electric heater kits

HEATER KIT PART NO.	NOMINAL CAPACITY
CHE6-05B	5 kW
CHE6-08B	8 kW
CHE6-10B	10 kW
CHE6-15B	15 kW
CHE6-20B	20 kW