

SYSTEM INFORMATION

The Low Profile Quiet (LPQ) Systems are designed to provide refrigerated air quietly and dependably. LPQ Systems are an excellent choice for quiet, long-term storage and require very low maintenance. These ceiling-mounted units are excellent for vaulted rooms.

The LPQ supplies refrigerated air behind the coil down the wall and brings return air in the angled front, promoting circulation.

LPQ evaporators are available in standard capacities from 1,800 to 8,600 BTU per hour and are used with R134a refrigerant.



FEATURES

- Textured heavy-gauge aluminum cabinet
- Easily removable drain pan
- Molded fan guards and blades
- Thermal expansion valve (standard) installed
- Pump-down solenoid valve (standard) protects compressor in the event of leaks
- Pre-installed valves eliminate additional wiring to thermostat
- ETL certified

OPTIONS

- Twin evaporator systems available for larger applications
- Eco-friendly water-cooled condensing units available
- Stainless steel cabinets for high-corrosive environments

BEST SELLERS

Low Profile Quiet	LPQ1800	LPQ2600	LPQ3600	LPQ4600	LPQ6600	LPQ8600
Max Cubic Feet	175	300	650	1,000	1,500	2,000
BTUH	1800	2600	3600	4600	6600	8600
Fan Coil	LPQ17-13Q	LPQ27-18Q	LPQ27-23Q	LPQ37-32Q	LPQ47-42Q	LPQ57-55Q
Length	20.75"	24.25"	40.5"	40.25"	53.75"	53.75"
Width	14.5"	14.5"	14.5"	14.5"	14.5"	14.5"
Height	4.75"	4.75"	4.75"	4.75"	4.75"	4.75"
Weight	18 lbs	22 lbs	29 lbs	37 lbs	45 lbs	61 lbs
Volts	115 V	115 V	115 V	115 V	115 V	115 V
Amps	0.4 A	0.4 A	0.4 A	0.8 A	0.8 A	0.8 A
Condensing Unit	CU18	CU26	CU36	CU46	CU66	CU86
Length	17"	17"	17"	13.8"	20.6"	19.5"
Width	12"	12"	12"	11.8"	13.9"	14.3"
Height	9.4"	9.4"	9.4"	9.7"	13.2"	12.0"
Weight	41 lbs	41 lbs	42 lbs	48 lbs	83 lbs	79 lbs
Volts	115 V	115 V	115 V	115 V	115 V	115 V
Amps MFS	15 A	15 A	15 A	20 A	30 A	30 A
System Line Set						
Suction	3/8"	3/8"	3/8"	1/2"	1/2"	5/8"
Liquid	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"

Due to continuing engineering improvements, specifications are subject to change without notice.

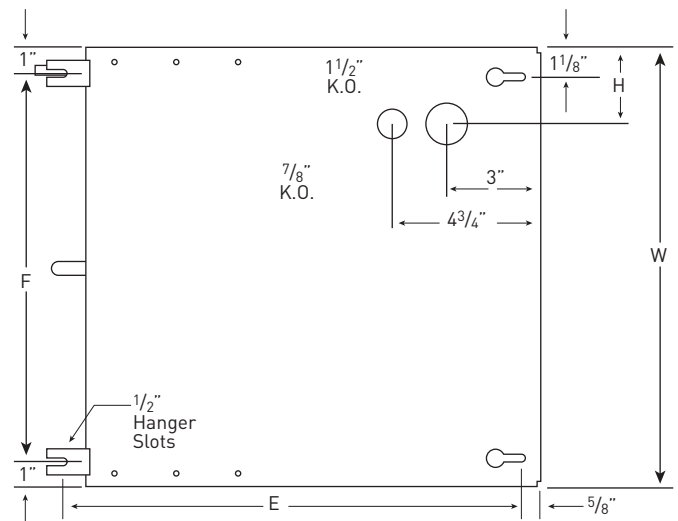
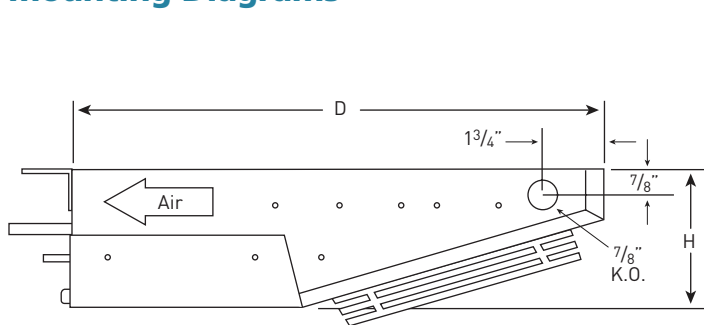
LPQ Fan Coil Specifications

It is best to use the larger coil. The smaller coil may cause the system to run a lower humidity and possibly over-feed the coil. The smaller coils require a suction line accumulator. Expansion valve and liquid line solenoid valve are installed as standard.

MODEL	DIMENSIONS						CONNECTIONS			WT	FANS	DIA	AMPS 115V	CFM
	W	D	H	E	F	L	LIQ	SUCT	DRAIN					
LPQ17-10-Q	16 3/4"	14 1/2"	4 3/4"	14 3/4"	14 3/4"	2 3/4"	3/8"	3/8"	1/2"	15 lbs	1	8"	0.04	180
LPQ17-13-Q	20 3/4"	14 1/2"	4 3/4"	14 3/4"	18 3/4"	3 3/4"	3/8"	3/8"	1/2"	18 lbs	1	8"	0.04	220
LPQ27-18-Q	24 1/4"	14 1/2"	4 3/4"	14 3/4"	22 1/4"	11 3/4"	3/8"	1/2"	1/2"	22 lbs	1	8"	0.04	250
LPQ27-23-Q	31 3/4"	14 1/2"	4 3/4"	14 3/4"	29 3/4"	15 1/2"	3/8"	1/2"	1/2"	29 lbs	1	8"	0.04	275
LPQ37-32-Q	40 1/4"	14 1/2"	4 3/4"	14 3/4"	38 1/4"	6 3/4"	3/8"	1/2"	1/2"	37 lbs	2	8"	0.08	465
LPQ47-42-Q	53 3/4"	14 1/2"	4 3/4"	14 3/4"	51 3/4"	8 1/2"	3/8"	1/2"	1/2"	45 lbs	2	8"	0.08	500
LPQ57-55-Q	53 3/4"	16 1/2"	6 3/4"	16 3/4"	51 3/4"	8 1/2"	3/8"	1/2"	1/2"	61 lbs	2	8"	0.08	575

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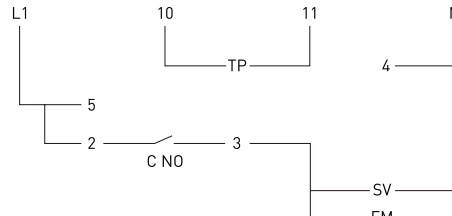
Mounting Diagrams



Condensing Unit Wiring



Fan Coil Wiring



Field Wiring

- L1** 115 V Line Voltage
- N** Neutral
- SV** Solenoid Valve
- FM** Fan Motor
- TP** Temperature Probe

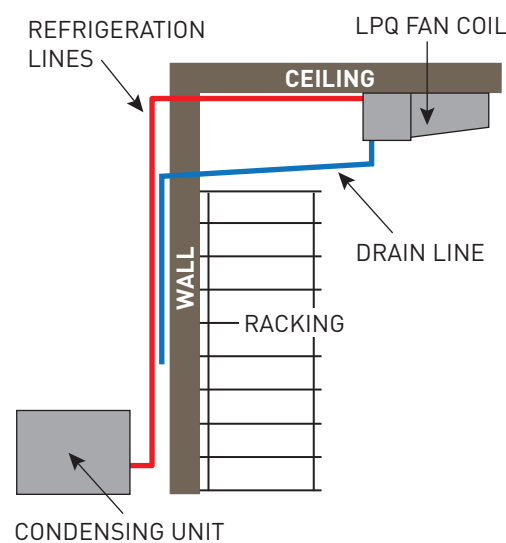
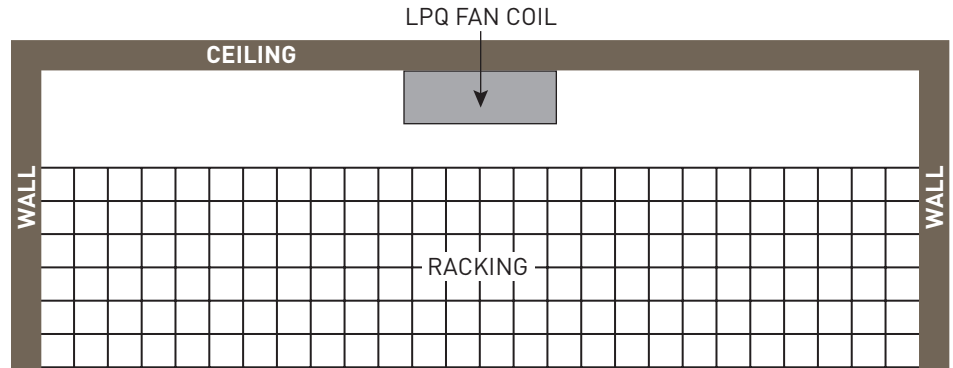
Back of Controller Connections

- 10** Temperature Probe
- 11** Temperature Probe
- 4** Neutral
- 5** 115V Line Voltage
- 2** Jumper from 5
- 3** Switch Leg to Fan Coil
- C NO** Internal normally open contact

LPQ SERIES

LPQ Cooling System Typical Installation

- Keep line sets as short as possible.
- Excessive number of turns will cause refrigerant flow problems. This could cause early compressor failure. Suction line accumulators are recommended. Required if working lower than the normal 55-65° operating range from wine cellar.
- Drain line must always flow down hill to drain or pump
- The system is controlled by a pump down control system. There is no control wiring between thermostat and condensing unit
- The line connections at Fan Coil and Condensing Unit may not be the same as the required line sizes
- Standard line sets should be 50' or less. Extended runs may require larger line sizes and 3oz. oil must be added for every 10' over 35'.



LEAVE 2" ON EACH SIDE
AND 6" BELOW FOR
SERVICE INTERIOR
ACCESS
3" BEHIND FOR AIR
CIRCULATION

Ceiling Construction



EXTERIOR
VAPOR BARRIER
INSULATION –
R19 OR BETTER
INTERIOR

Wall Construction



EXTERIOR
VAPOR BARRIER
INSULATION –
R12 OR BETTER
INTERIOR