

# TABULAR DATA SHEET

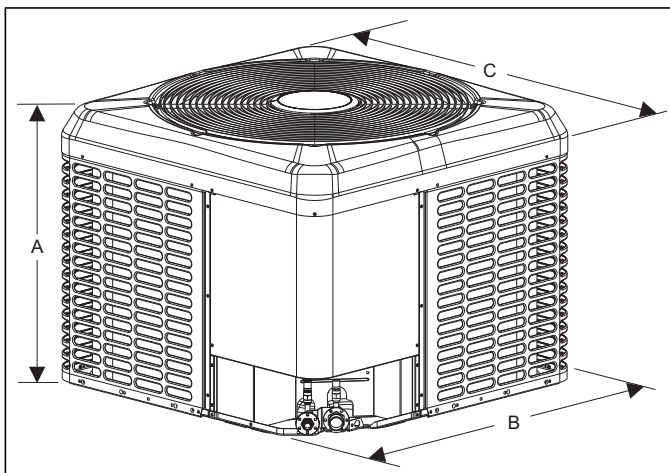
## QH4B SERIES SPLIT SYSTEM AIR CONDITIONERS 14 SEER – R-410A – 1 PHASE – 2 THRU 4 NOMINAL TONS MODELS: QH4B24 THRU 48

### PHYSICAL AND ELECTRICAL DATA

MODEL	QH4B24B21S	QH4B30B21S	QH4B36B21S	QH4B42B21S	QH4B48B21S	
Unit Supply Voltage	208-230V, 1 $\phi$ , 60Hz					
Normal Voltage Range <sup>1</sup>	187 to 252					
Minimum Circuit Ampacity	15.4	18.1	19.7	25.5	30.8	
Max. Overcurrent Device Amps <sup>2</sup>	25	30	30	40	50	
Min. Overcurrent Device Amps <sup>3</sup>	20	20	20	30	35	
Compressor	Type	Scroll	Scroll	Recip	Recip	Scroll
	Rated Load Amps	11.7	13.4	14.7	19.4	23.6
	Locked Rotor Amps	61.6	72.5	78.0	88.0	130.0
Crankcase Heater	No	No	Yes	Yes	No	
Factory External Discharge Muffler	Yes	Yes	Yes	Yes	Yes	
HS Kit Required with TXV <sup>4</sup>	No	No	Yes*	Yes*	No	
Fan Diameter Inches	22	24	24	24	26	
Fan Motor	Rated HP	1/8	1/4	1/4	1/4	1/4
	Rated Load Amps	0.80	1.30	1.30	1.30	1.30
	Nominal RPM	1075	850	850	850	850
	Nominal CFM	2850	2995	3715	3715	4000
Coil	Face Area Sq. Ft.	17.94	23.82	23.82	23.82	26.40
	Rows Deep	1	1	2	2	2
	Fins / Inch	22	22	18	18	18
Liquid Line Set OD (Field Installed)	3/8	3/8	3/8	3/8	3/8	
Vapor Line Set OD (Field Installed)	3/4	3/4	3/4	7/8	7/8	
Unit Charge (Lbs. - Oz.)	6-4	7-10	12-2	11-6	13-8	
Charge Per Foot, Oz.	0.62	0.62	0.62	0.67	0.67	
Operating Weight Lbs.	131	176	230	230	235	

\* These models are shipped with a Hard Start Kit installed at the factory.

1. Rated in accordance with AHRI Standard 110-2012, utilization range "A".
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. See Hard Start Kit Accessory Installation Manual for Hard Start Kit part number for each model.



### DIMENSIONS

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
QH4B24B21S	36-1/4	29-1/4	29-1/4	3/8	3/4
QH4B30B21S	39-1/2	35-1/4	31-3/4		
QH4B36B21S	39-1/2	35-1/4	31-3/4		
QH4B42B21S	39-1/2	35-1/4	31-3/4		
QH4B48B21S	39-1/2	38	34-1/4		

All dimensions are in inches and are subject to change without notice.  
Overall height is from bottom of base pan to top of fan guard.  
Overall length and width include screw heads.

## SYSTEM CHARGE FOR VARIOUS MATCHED SYSTEMS

Outdoor Unit	QH4B24B21S	QH4B30B21S	QH4B36B21S	QH4B42B21S	QH4B48B21S
Indoor Unit TXV <sup>1,2</sup>	BA1	BB1 or BE1	BF1	BF1	BC1
Indoor Unit <sup>3</sup>	AP24B	AP30B	AP37C	AE42C	AE60C
Indoor Unit Additional Charge, Oz <sup>4</sup>	3	5	10	17	36
Pre-charged Indoor Coils <sup>5</sup>	MHQH3BXXDTX1	MHQH3DXXYTX1	MHQH4DXXYTX1	MHQH4DXXYTX1	MHQH3GXXYTX1 <sup>6</sup>
Pre-charged Indoor Coils Factory Charge, Oz <sup>7</sup>	8	8	8	8	8
Pre-charged Refrigerant Line Set <sup>8</sup> See Table Below	LS-99-**36-24	LS-99-**36-24	LS-99-**37-24	LS-99-**37-24	LS-99-**36-24
Defrost jumper pin setting	2	3	2	4	2

1. For applications requiring a TXV, use S1-1TVM\*\*\* series kit.
2. Metering device noted is only applicable with AP/AE coils noted and is required to obtain system performance.
3. Systems matched with furnaces or air handlers not equipped with blower-off delays may require blower Time Delay Kit S1-2FD06700224.
4. Additional Charge required in Oz for AP/AE coil matches.
5. Pre-charged Coils come with charge and TXV needed already installed from the factory. No additional charge required.
6. For installations into EB furnaces, coil extension kit application part # 3500-8602 is required.
7. Factory charge for pre-charged indoor coils.
8. Match series number with table below for complete pre-charged line set Part Number. \*\* is a place holder for line length.

Pre-charged Refrigerant Line Set	Line Set Length (ft)	Factory charge lbs-oz	Liquid Line Size	Suction Line Size
LS-99-1536-24-10	15	0 - 10	3/8	3/4
LS-99-2036-24-13	20	0 - 13		
LS-99-2536-24-16	25	1 - 0		
LS-99-3036-24-19	30	1 - 3		
LS-99-4036-24-26	40	1 - 10		
LS-99-5036-24-32	50	2 - 0		
LS-99-1537-24-12	15	0 - 12	3/8	7/8
LS-99-2037-24-15	20	0 - 15		
LS-99-2537-24-19	25	1 - 3		
LS-99-3037-24-22	30	1 - 6		
LS-99-4037-24-29	40	1 - 13		
LS-99-5037-24-35	50	2 - 3		

### Procedures:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser only.
2. Verify the pre-charged line set size and the additional charge required for the specific evaporator coil in the system using the above table.
3. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base charge (as shipped) + Indoor coil charge + line set charge.