RETROAIRE™
The Right Fit for Comfort

Made in the USA

Model: RQTH

Specifications & Submittal Sheet

Replacement Single Package Vertical Heat Pump with Electric Heat (Carrier 50QT)

RQTH Equipment Model Decoding:

R	Q	T	H			D		1	B	A	B	S	0	A
Model Series: [RQT=Carrier 50QT 1.5 & 2-Ton Replacement]			Operation: [H=Heat Pump]	Cooling Capacity: [18=17,000 Btuh] [24=21,500 Btuh]		Voltage: [D=208-230V/1ph/60Hz]	Electric Heat: [5=5kW (18k Only)] [7=7kW (18k/24k)] [1=10kW (24k Only)]	Controls Option: [1=Remote, no disconnect]	Air Options: [B=Standard]	Open: [A=Standard]	Condenser Coil: [B=Standard (Al/Cu)]	Compressor: [S=Scroll]	Special Rev: [0=Standard] [A-Z=Special]	Revison: [A=A Rev]

Qty	Complete Model / SKU	Model Description
	RQTH18D51BABS0A	RQTH, Heat Pump, 18k Btuh, 5kW Electric Heat, 208/230V, Single Point Power, Al/Cu Coil, Left-side Controls, Std Range
	RQTH18D71BABS0A	RQTH, Heat Pump, 18k Btuh, 7kW Electric Heat, 208/230V, Single Point Power, Al/Cu Coil, Left-side Controls, Std Range
	RQTH24D71BABS0A	RQTH, Heat Pump, 24k Btuh, 7kW Electric Heat, 208/230V, Single Point Power, Al/Cu Coil, Left-side Controls, Std Range
	RQTH24D11BABS0A	RQTH, Heat Pump, 24k Btuh, 10kW Electric Heat, 208/230V, Single Point Power, Al/Cu Coil, Left-side Controls, Std Range

AHRI CERTIFIED™ www.ahridirectory.org
Single Package Vertical HP
AHRI Standard 390

C ETL US LISTED
Intertek

Mark desired quantity of EACH accessory for order [1-louver/unit required]

	Louver, Outdoor, Architectural, Extruded Anodized Aluminum, Flat, Internal/External Mount, RQT (PN **240010319A**)		Louver Kit, Outdoor, Powder Coated, Champagne, Stamped Steel, Bay-Style, External Mount, RQT (PN **240010458CS**)
	Louver, Outdoor, Architectural, Extruded Anodized Aluminum, Bay-Style, Internal/External Mount, RQT (PN **240010318A**)		Louver Kit, Outdoor, Powder Coated, Champagne, Stamped Steel, Bay-Style, Indoor Mount, RQT (**240010459CS**)
	Louver Kit, Outdoor, Powder Coated, Champagne, Stamped Steel, Flat, Indoor Mount, RQT (PN **240010456CS**)		Louver Kit, Outdoor, Powder Coated, Champagne, Stamped Steel, Flat, External Mount, RQT (PN **240010457CS**)
	Thermostat, Single-Stage, 1-Heat/1-Cool, 24Vac, Programmable, ICM, Manual Changeover (PN **240008208**)		Thermostat, T9000, Wireless, Battery, Single Stage, 1-Ht/1-Cl, 5/2-Prog, MCO [PN 240009905 also required] (PN **240009781**)
	Thermostat, Single-Stage, 1-Heat/1-Cool, 24Vac, Programmable, ICM, Auto Changeover (PN **240008210**)		Remote Control Node, T9000, Printed Circuit Board, Wireless, 24Vac, 1/unit req'd [#240009781 also required] (PN **240009905**)

AHRI Performance & Airflow Data

Model	Cooling Btuh (kW)	Sensible Heat Ratio	EER	Heat Pump Btuh (kW)	COP	Airflow vs External Static Pressure			Fresh Air Inlet	Outdoor Sound Level
						0.1" wc (2.5mm wc)	0.2" wc (5.1mm wc)	0.3" wc (7.6mm wc)		
						CFM (L/S)	CFM (L/S)	CFM (L/S)	CFM (L/S)	dBa
RQTH18	17,000 (4.98)	0.77	9.00	15,800 (4.63)	3.0	600 (283)	550 (260)	500 (236)	60	71
RQTH24	21,500 (6.30)	0.75	9.00	21,200 (6.21)	3.0	710 (335)	650 (307)	600 (283)	60	71

To: _____ Project: _____

Date: _____ Customer: _____

From: _____ Location: _____

Contact: _____ Engineer: _____

_____ Unit Tag# _____

For Your: ☐ Reference ☐ Approval ☐ Construction

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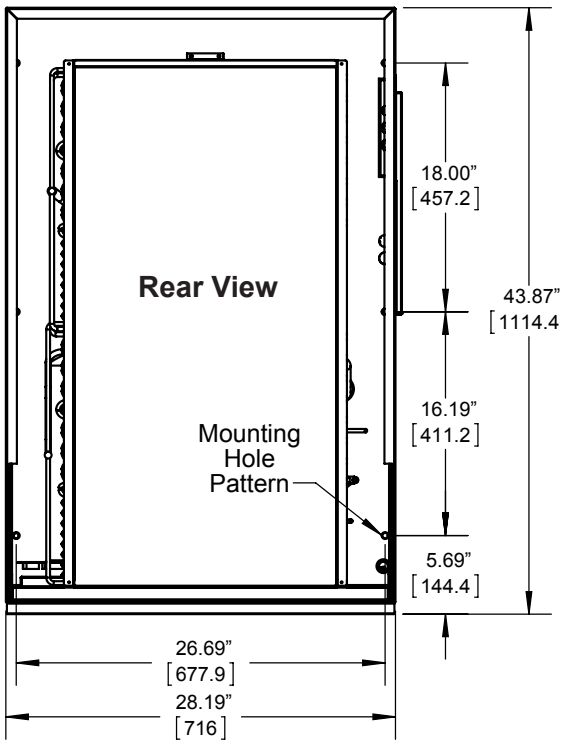
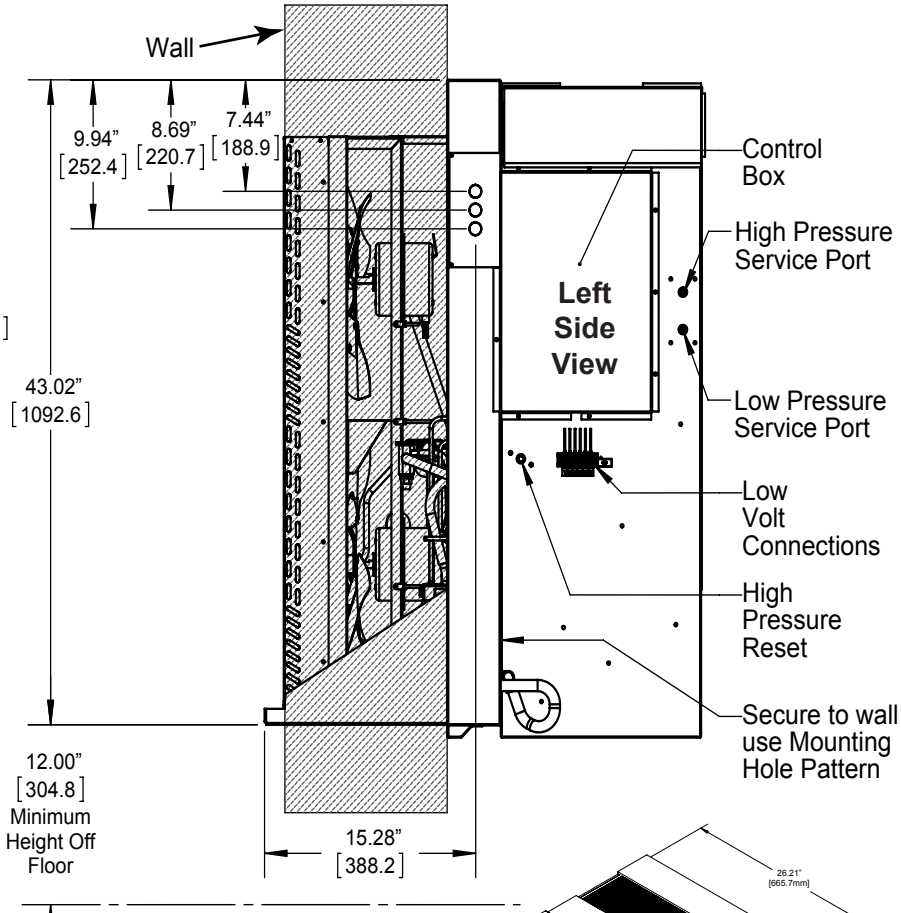
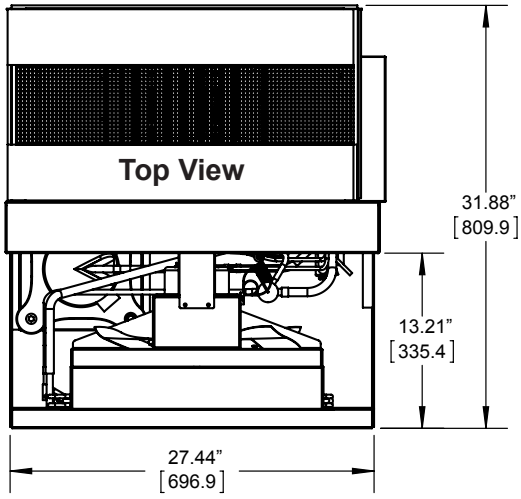
Electrical, Dimensional and Miscellaneous Specifications

Electrical Data

Model	Power Supply		Compressor		Indoor Fan Motor		Outdoor Fan Motor		Electric Heat				Unit Electrical Ratings				
	Voltage	Min V	RLA	LRA	FLA	Hp	FLA	Hp	Htr#	Htr V	Htr W	Htr A	TCA	THA	MCA	MOCP	Power
RQTH18	208-230V/ 1ph/60Hz	197	7.3	48	1.3	0.25	0.5, 0.5	0.125, 0.125	5	208	4089	19.7	9.6	21.0	26.2	30	Hard-wired
										230	5000	21.7		23.0	28.8		
									7	280	5725	27.5		28.8	36.0	40	
										230	7000	30.4		31.7	39.7		
RQTH24	208-230V/ 1ph/60Hz	197	10.0	58.3	1.3	0.25	0.5, 0.5	0.125, 0.125	7	208	5725	27.5	12.3	28.8	36.0	40	Hard-wired
										230	7000	30.4		31.7	39.7		
									10	280	8178	39.3		40.6	50.8	60	
										230	10,000	43.5		44.8	56.0		

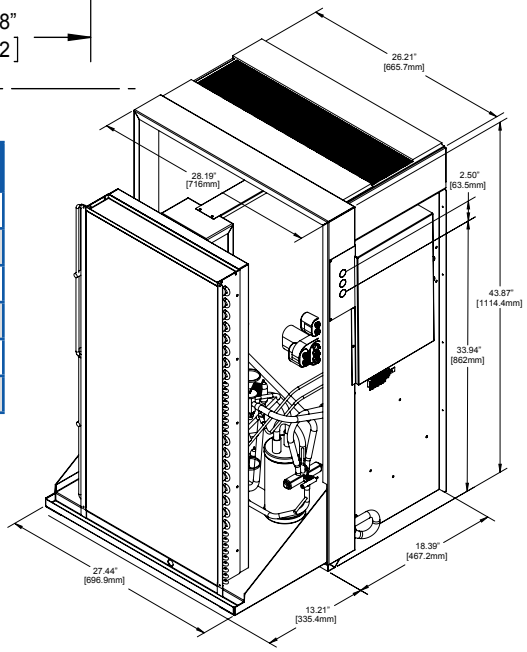






Miscellaneous Data

Return Air Filter	1 - Disposable, UL900
RA Filter Dims	16" x 25" x 1"
Unit Weight	245 lbs (111 kg)
Shipping Weight	305 lbs (138 kg)
Shipping Dims	31"×33"×45"
Electric Heat	~25ºF OD Coil Temp



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NOTICE: Due to ongoing product development; design, specification and performance data listed within this submittal document are subject to change without notice. For the most current performance data, please refer to ECR International listings of certified products in the AHRI directory, or consult the factory.

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