

TQSDT

Cardinal

Heat Pump Series



9,000 TO 24,000 BTU

UP TO 27 SEER2



MAIN FEATURES



Smart

Humidity Control



High

Efficiency



Wi-Fi

Enabled



115v & 220v

Available

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115V VERSION

Model		Unit	TAVEM7H1R09-S TAVCI7H1R09-S	TAVEM7H1R12-S TAVCI7H1R12-S
Power Supply		V/Ph/Hz	115/1/60	
Cooling Capacity		Btu/h	9,000	12,000
Cooling Power Input		W	606	923
Cooling Current Input		A	7.03	10.16
Heating Capacity		Btu/h	10,000	12,000
Heating Power Input		W	740	923
Heating Current Input		A	7.68	10.16
Air Flow Volume (SS/H/MH/M/ML/L/SL/SM)		CFM	353/324/294/265/235/206/194/129	400/365/330/288/265/247/230/212
Dehumidification Volume		Pint/h	1.69	2.96
EER2 for cooling		(Btu/h)/W	15	13
SEER			27.0 (SEER2)	24.5
INDOOR UNIT	Sound Pressure Level (SS/H/MH/M/ML/L/SL/SM)	dB(A)	41/38/36/33/30/26/24/20	43/38/36/34/32/30/25/20
	Dimension (WxHxD)	inch	32 61/64 X 11 34/64 X 7 56/64	32 61/64 X 11 34/64 X 7 56/64
	Package Dimension (WxHxD)	inch	35 5/64 X 14 4/64 X 10 18/64	35 5/64 X 14 4/64 X 10 18/64
	Net Weight	lb	20.9	20.9
OUTDOOR UNIT	Gross Weight	lb	25.4	25.4
	Dimension (WxDxH)	inch	31 37/64 X 21 54/64 X 13 50/64	31 37/64 X 21 54/64 X 13 50/64
	Package Dimension (WxDxH)	inch	34 14/64 X 15 35/64 X 23 25/64	34 14/64 X 15 35/64 X 23 25/64
	Net Weight	lb	71.7	69.5
PIPE CONNECTION	Gross Weight	lb	77.2	75
	Refrigerant	-	R32	R32
	Refrigerant Charge	oz	30	28.2
	Connection Pipe Length	ft	24.6	24.6
	Connection Pipe Gas Additional Charge	oz/ft	0.2	0.2
	Outer Diameter Liquid Pipe	inch	1/4"	1/4"
	Outer Diameter Gas Pipe	inch	3/8"	1/2"
	Max Distance Height	ft	40	40
	Max Distance Length	ft	65	65.6

220V VERSION

Model		Unit	TAVEM7H4R09-S TAVCI7H4R09-S	TAVEM7H4R12-S TAVCI7H4R12-S	TAVEM7H4R18-S TAVCI7H4R18-S	TAVEM7H4R24-S TAVCI7H4R24-S
Power Supply		V/Ph/Hz	208-230/1/60			
Cooling Capacity		Btu/h	9,000	12,000	18,000	24,000
Cooling Power Input		W	606	923	1,315	1,833
Cooling Current Input		A	3	4.41	5.85	9
Heating Capacity		Btu/h	10,500	12,000	18,000	23,000
Heating Power Input		W	789	923	1349	2040
Heating Current Input		A	3.95	4.41	6.00	10.00
Air Flow Volume (SS/H/MH/M/ML/L/SL/SM)		CFM	353/324/294/265/235/206/194/129	400/365/330/288/265/247/230/212	589/500/441/412/383/353/324	559/441/394/353/312/253/235
Dehumidification Volume		Pint/h	1.69	2.96	3.8	5.07
EER2 for cooling		(Btu/h)/W	15	13	13.65	12
SEER			26 (SEER2)	24.5	24.5 (SEER2)	23.5
INDOOR UNIT	Sound Pressure Level (SS/H/MH/M/ML/L/SL/SM)	dB(A)	41/39/36/33/29/26/24/20	43/38/36/34/32/30/25/20	48/43/41/39/37/33/29	47/43/41/39/37/33/29
	Dimension (WxHxD)	inch	32 61/64 X 11 34/64 X 7 56/64	32 61/64 X 11 34/64 X 7 56/64	39 6/64 X 12 16/64 X 8 47/64	39 3/32 X 12 1/4 X 8 47/64
	Package Dimension (WxHxD)	inch	35 5/64 X 14 4/64 X 10 18/64	35 5/64 X 14 4/64 X 10 18/64	41 22/64 X 14 54/64 X 11 22/64	41 11/32 X 14 27/32 X 11 11/32
	Net Weight	lb	20.9	20.9	29.8	29.8
OUTDOOR UNIT	Gross Weight	lb	25.4	25.4	35.3	35.3
	Dimension (WxDxH)	inch	31 37/64 X 21 54/64 X 13 50/64	31 37/64 X 21 54/64 X 13 50/64	37 46/64 X 24 63/64 X 15 53/64	37 23/32 X 25 63/64 X 15 53/64
	Package Dimension (WxDxH)	inch	34 14/64 X 15 35/64 X 23 25/64	34 14/64 X 15 35/64 X 23 25/64	40 33/64 X 17 53/64 X 28 10/64	40 33/64 X 17 53/64 X 28 5/32
	Net Weight	lb	70.6	67.3	94.8	92.6
PIPE CONNECTION	Gross Weight	lb	76.1	72.8	104.7	102.5
	Refrigerant	-	R32	R32	R32	R32
	Refrigerant Charge	oz	30	28.2	40.6	42.3
	Connection Pipe Length	ft	24.6	24.6	24.6	24.6
	Connection Pipe Gas Additional Charge	oz/ft	0.2	0.2	0.2	0.4
	Outer Diameter Liquid Pipe	inch	1/4"	1/4"	1/4"	1/4"
	Outer Diameter Gas Pipe	inch	3/8"	1/2"	1/2"	5/8"
	Max Distance Height	ft	40	40	82	82
	Max Distance Length	ft	65	65.6	131.2	131.2



Air-Con International is a Tosot distributor in select states. Please see website for full details.



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