

Projeto:	
Cliente:	
Tag:	



MASTER

Model: 30EVA15226MAH---S

Cooling Capacity (Tons): 12.00
Total Unit Power (KW): 13.61
Unit Voltage(V): 220
Full Load EER (BTU/W) 10.57
IPLV EER (BTU/W) 17.40
Minimum Capacity: 16%
Chiller Pressure Drop (PSI): 0.37
Fluid Flow(gallon/minute (GPM)): 28.97
Refrigerant: R-410A
Refrigerant Charge (lb): 27.1
Operating Weight (lb): 665.8
Chassis Dimension (in): 35,43 x 33,85 x 68,62

Compressor

Model: Scroll
Quantity: 2
RPM (60hz): 3500 rpm
Oil charge (l): 1,65 (Poliol Éster)
Recomended oil: Copeland Ultra 22CC
Cranckase Heater: 90 W

Electrical Information

Model	30EVA15	
Voltage (V)	220	
Compressors (2x)	Quantity:	2
	Compressor Amps(A)	40.3
	Maximum Compressor Amps(A)	51.3
	Total Compressor Power(W)	12450
	Maximum Compressor Power(W)	16140
Fan Motor	Quantity	1
	Full Load Amps(A)	7.1
	Total Fan Motor Power (W)	1150
Total Unit Amps(A)	47.4	
Maximum Unit Amps(A)	58.4	
Total Unit Power(W)	13600	
Maximum Unit Power(W)	17290	

System

Cooling Capacity (Tons): 12.00
Total Unit Power (KW): 13.61
Unit Voltage(V): 220
Full Load EER (BTU/W) 10.57
IPLV EER (BTU/W) 17.40
Minimum Capacity: 16%
Leaving Water Temperature (°F): 44
Entering Water Temperature (°F): 54.00
Entering Air Temperature (°F): 95.00
Altitude(ft): 0

Compressor

Model: Scroll
Quantity: 0
RPM (60hz): 3500 rpm

Model Number:

M 30EVA15226MAH---S

Notas:

- Units are suitable for use on electrical systems where voltage supplied to the unit terminals is not below or above the listed minimum and maximum limits. Supplied voltage limit is +- 10%. Maximum allowable phase imbalance is: voltage, 2%; amps 10%.
- Check and follow all electrical and safety codes to Installing, starting up, and servicing this equipment
- Rated in accordance with AHRI Standard 550/590 at standard ratingconditions.
- Maximum Unit Power(W) and Maximum Unit Amps(A) must be used for wire sizing

ACCESSORIES

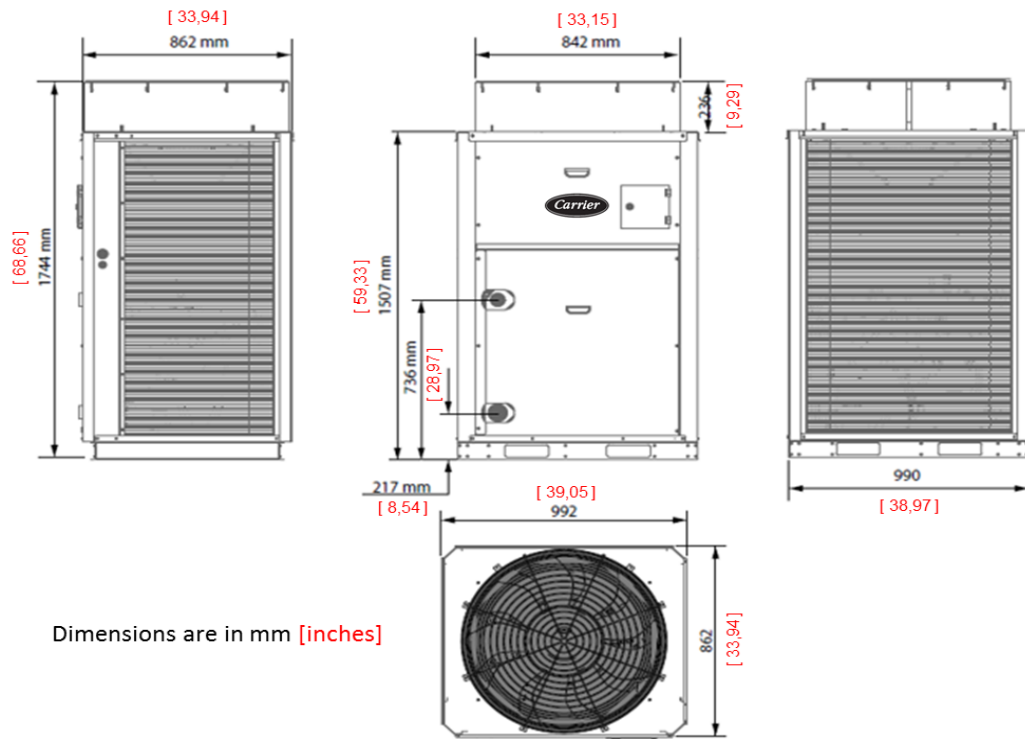
Y filter + Victaulic connection included

CONTROL

Human Interface Control / No Communication Opti

PT

DIMENSIONS



Dimensions are in mm [inches]

Coil Information

Face area (foot²): 32.83

Rows: 2

Outside Diameter: 9,5mm / 3/8 in

Fins per inch: 20 FPI

Model: Al GoldFin fins and Cu tubes

Fan Information

Model/Quantity: Axial / 1

RPM (60hz): Variável entre 160 - 860

Air Flow(CFM): 1766 - 9417

External Pressure Drop(mmca): 0

Model/Quantity: 1 / BLDC

Power (W): 850

Evaporator Information

Model: Arm plate in stainless steel

Net Fluid Volume (gal): 1.8

Maximum Water-Side Pressure(psi): 145.03

Water Connections: Type Victaulic 63.5 (2 in)

Rated in accordance with AHRI Standard 550/590 at standard rating conditions.

IPLV - Integrated Part Load Value

AquaSmart 15TR inverter

Load		100%	75%	50%	25%
Capacity	TR	12.00	9.00	6.00	3.00
Power	KW	13.56	10.11	7.44	6.90
EER	Btu/h/W	10.62	14.24	19.35	20.88
COP		3.11	4.17	5.67	6.12
KW/TR	KW/TR	1.13	0.85	0.62	0.57
Outside Air	F	95.00	80.00	65.00	55.00

IPLV (EER)	17.30
IPLV (COP)	5.070
IPLV (KW/TR)	0.696

AquaSmart 15TR fixed

Load		100%	75%	50%	25%
Capacity	TR	14.60	10.95	7.30	3.65
Power	KW	16.56	8.66	4.64	2.23
EER	Btu/h/W	10.58	15.19	18.88	18.73
COP		3.10	4.45	5.53	5.49
KW/TR	KW/TR	1.13	0.84	0.64	0.64
Outside Air	F	95.00	80.00	65.00	55.00

IPLV (EER)	17.23
IPLV (COP)	5.050
IPLV (KW/TR)	0.713

Operational limits

	unit	30EV_15	30EX_15
Minimum flow on evaporator	gpm	18.5	19.5
Maximum flow on evaporator	gpm	67.3	80.1
Maximum outdoor temperature	°F	113	113
Minimum outdoor temperature	°F	50	50
Maximum REWT (evaporator)	°F	95	95
Minimum REWT (evaporator)	°F	42.8	42.8
Maximum ULWT (evaporator)	°F	95	95
Minimum ULWT (evaporator)	°F	41	41
Minimum temperature delta	°F	5.4	5.4
Maximum temperature delta	°F	18	18