

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)
 Recomendad oil: Copeland Ultra 22CC
 Crankcase 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

PT

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

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

Model Number:

M 30EVA15226MAH---S

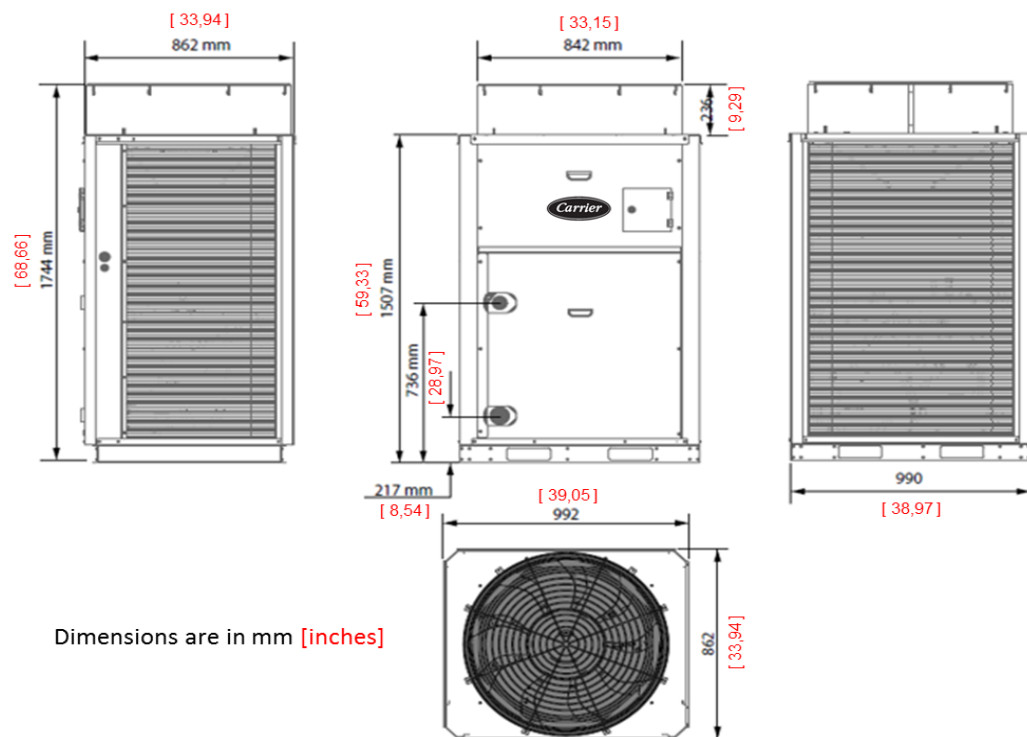
ACCESSORIES

Y filter + Victaulic connection included

CONTROL

Human Interface Control / No Communication Opti

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