

R407C

ECO COOLER

ROOFTOP PACKAGE

50Hz

30% Fresh Air

2021

ECO COOLER
AIR CONDITIONER

MULTI STAGE EVAPORATIVE COOLING





Special Public places
Commercial, Office, Hospital, Restaurant,
Coffee shop & Etc .

ECO COOLER

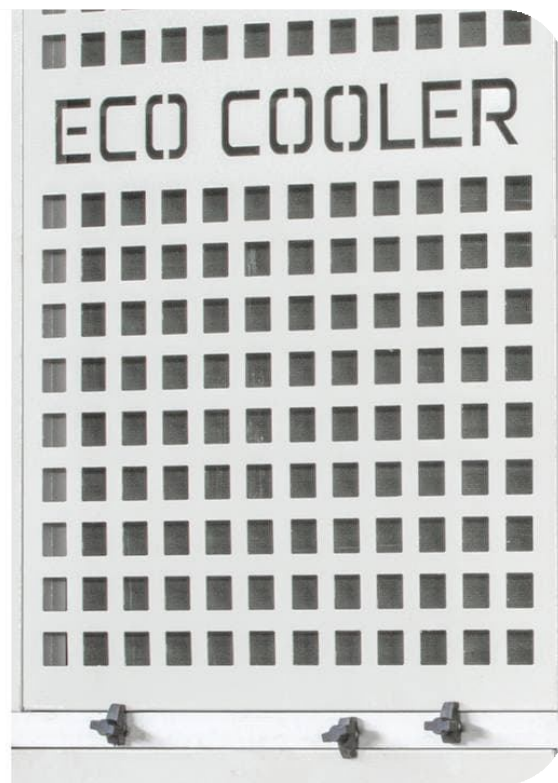
AIR CONDITIONER





ECO COOLER

ECO COOTEK



ECO COOLER

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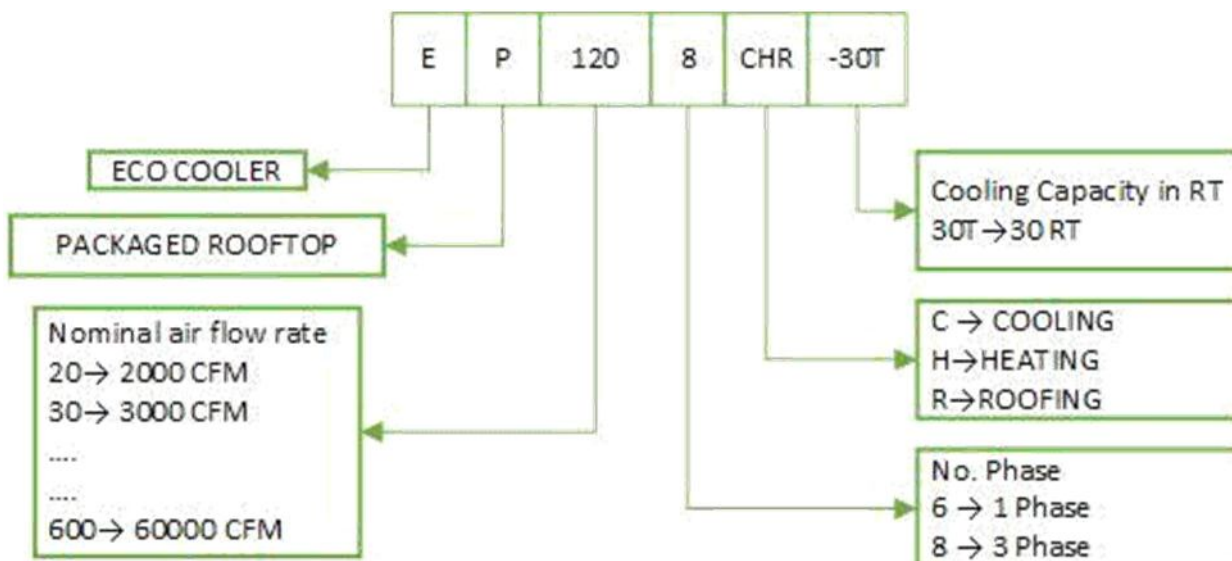
INTRODUCTION

ECO PACKAGE High Efficiency Package Units are designed for outdoor installation specifically for tropical operation with high performance, low power consumption, easy installation and low noise operations.

ECO PACKAGE Packaged Units can be used for cooling or heating with optional electric heater.



NOMENCLATURE



OUTSTANDING FEATURES

Applications

- 100% Fresh air applications
- Low cfm mixed air applications

Superior Efficiency

- High EER (Energy Efficiency Ratio)
- Low power consumption
- Heavy duty, High volumetric efficiency scroll compressors
- High efficiency Back Inclined Evaporator Blowers
- Fans are manufactured in Galvanized Steel Sheet with Structurally reinforced housing
- Totally Enclosed Fan cooled (TEFC) Blower Motor, class F insulation, IP 55
- Designed to operate at severe ambient temperature up to 52°C without tripping
- Condenser and Evaporator Coils are heavy duty built up seamless copper tubes and mechanically bonded louvered hydrophilic fins
- Standard Refrigerant line accessories filter drier, sight glass, thermostatic expansion valves
- UL certified components
- Standard hot gas bypass
- Condenser coils metal guards

Quiet operation

- Low noise level compressors, condenser fans, and evaporator blower
- Compact physical footprint
- Special designed refrigerant piping in addition to the insulation for the evaporator section

controls

- Microprocessor Controller
- Single point power supply
- Color coded wires
- Weatherproof Control panel

Quality Assurance

- All units in the FPNG series are :
 - Factory run tested
 - Produced in an ISO 9001-2000 listed manufacturing facility
 - Constructed in compliance with ASHRAE 15 safety requirements
 - AHRI certified cooling coils

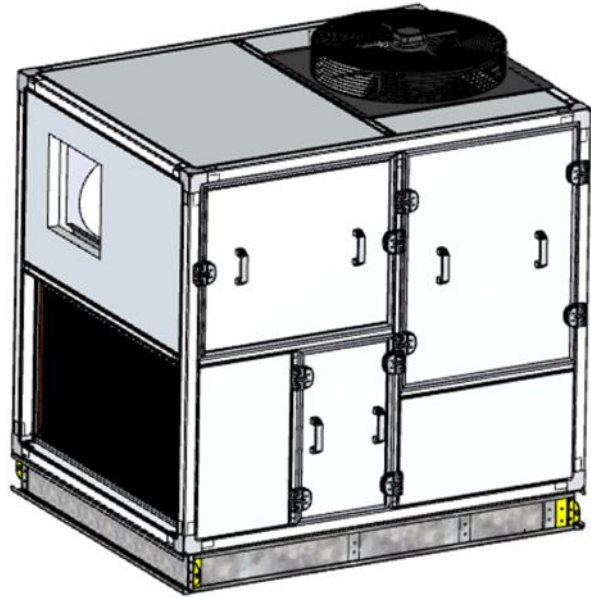
Options & Accessories

- Intelligent air Quality System by Economizer control
- Ultraviolet (UV) lamps
- Mild ambient control
- Return air Bag filters
- Electric Heaters
- Steam Humidifiers
- Anti ice thermostats

OUTSTANDING FEATURES

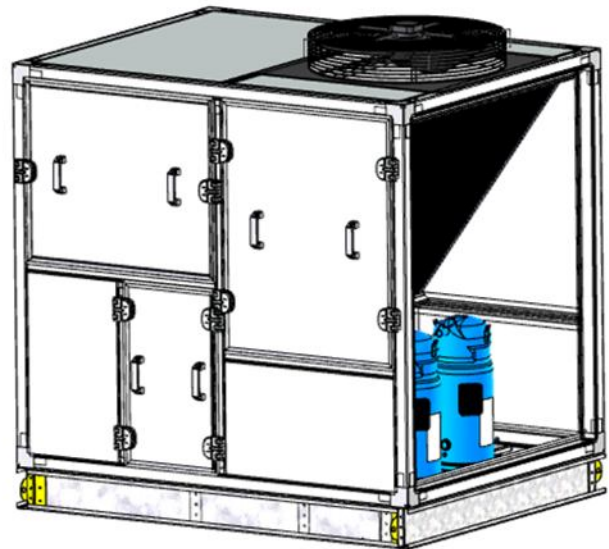
Evaporator's Side

- Easy access to the evaporator side with removable panel for maintenance purpose for the fan, motor, belt, pulleys and expansion valve
- Easy access for drain pan for cleaning



Compressor's side

Easy access to the compressor side for maintenance purpose for the compressors and the filter drier
 Easy access for the condenser fans and motors



Electrical Panel

- Easy access to the electrical panel with access panel for microprocessor access and electrical parts

STANDARD SPECIFICATIONS

General

The Fresh Air Package New Generation units (FPNG) are factory assembled cooling or combination of cooling and heating with electric heater, suitable for outdoor installation mounting on the roof or ground.

The Fresh Air packaged unit consists of scroll compressors, cooling coil, condenser coil, fans, electric heater (optional), control wiring and interconnecting piping-all factory assembled.

Unit Casing

The casing sheet metal is fabricated from hot dipped G90, Zinc coating and zero spangle galvanized steel, oven-baked powder coated.

The unit is provided with an integral weather resistant control panel for outdoor application. Panels and access doors are provided for inspection and access for all internal parts.

Evaporator Fan

The units are provided with centrifugal fans which are statically and dynamically balanced, designed for low sound level operation
Belt driven.

Evaporator Coils

The coils are built up of ripple finned seamless copper tubes and mechanically bonded to scientifically designed louvered fins.
The assembled coils are factory leak tested under water at a pressure of 350 psig for quality and leak free units.

Drain Pan

The drain pan is fabricated of galvanized steel.
The drain pan is powder coat painted and the outer surface is thermally insulated.

Compressor

The compressors are hermetic scroll type provided with crankcase heater, internal pressure relief valve which provides high pressure protection to the refrigerant system and rubber vibration isolators for quiet and efficient operation.

The compressors are equipped with internal motor protector for safe operation. The compressors are built to NF, VPE, CSA, & UL certification.

Condenser Coils

The coils are built up seamless copper tubes and mechanically bonded to scientifically designed louvered fins.
The assembled coils are factory leak tested under water at a pressure of 450 psig for quality and leak free unit.

Condenser Fans

The fans are selected for optimum efficiency and maximum sound power reduction, propeller type and direct driven, upward discharge and provided with fan grille mounted on the casing.

Condenser Fan Motor

Condenser fan motors are totally enclosed air-over type with class F insulation. The motors are provided with inherent thermal protection and auto rest type.



OPTIONAL SPECIFICATIONS

Construction

- Double skin for evaporator side
- Coil protection materials: a) Polyurethane pre-coat Aluminum fins with copper tubes b) Tinned copper tubes with copper fins • Stainless steel drain pan
- Double side drain connections
- Other types of filter: synthetic fiber media for flat filter, 2" or 4" flat filter, bag filter" • Mixing box
- Vibration isolation for the unit :
 - a) Neoprene rubber pads
 - b) 1" spring isolator
- Lockable door for the control panel

Electrical

- Electric heaters (open coil type)
- Electric heaters (fin type)
- Compressor circuit breaker
- Mild ambient (fan cycling) control
- Duct sensor
- Anti - ice thermostat
- Volt free contacts
- External overload
- Ultraviolet light
- Dirty filter indication
- Fire alarm connection
- Economizer controller
- Steam Humidifiers

Refrigeration

- Pump down solenoid valve (PDS)
- Adjustable high-pressure switch
- Adjustable low-pressure switch
- Muffler
- Replaceable filter drier with mechanical shut-off valve



MICROPROCESSOR CONTROLLER

Microprocessor Based Controller

The Fresh Air Package New Generation units are provided with technologically advanced Microprocessor based controller, incorporating the following benefits and features:

- ANTI-RECYCLE TIMER
- Compressor lock out function
- Balance loading of compressors
- Compressor's lead-lag operation
- Pump down option.
- Fault diagnostics
- Indicator lights for high- & low-pressure Safeties



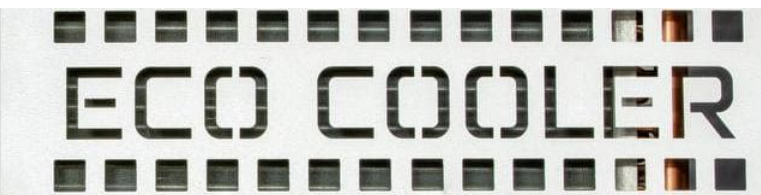
SELECTION PROCEDURE

The below example illustrates the selection procedure to assist using this catalog to select the appropriate FPNG unit that meets the design requirements.

Example :

- Design requirements
- Total cooling capacity 201 [MBH]
 - Sensible cooling capacity 163 [MBH]
 - Design ambient temperature 115 [°F]
 - Evaporator air flow 3100 [CFM]
 - Evaporator entering temperature DB/WB 115/80 [°F/°F]
 - External static pressure 1.0 [in.wg]
 - Altitude 2000 [ft]
 - Power supply 415V / 3Ph / 50Hz

Altitude [ft]	Correction factor
Sea level	1
1000	0.996
2000	0.990
3000	0.984
4000	0.980
5000	0.974
6000	0.965
7000	0.960



*Using the correction factor table at the specified altitude, thereby the required capacity will be:

Corrected capacity = Required capacity / corr. factor

Corrected total capacity = 201[MBH]/0.99 = 203.03 MBH

Corrected sensible capacity = 163[MBH]/0.99 = 164.64 MBH

From the cooling capacity at performance data tables (page 10), the closest selection model to the required capacity is FPNG 240. From the performance table:

Total capacity = 206.63 [MBH]

Sensible capacity = 164.67 [MBH]

GENERAL DATA

Model (HIGH EFFICIENT)	7T	10T	12T	15T	20T	
Power supply [Volts/Phase/Hz]	415 V/3 Ph/ 50 HZ					
Compressor	Type	Hermetic Scroll				
	Quantity	1	1	1	2	2
	Refrigeration Circuits	1	1	1	2	2
	Refrigerant	R407C				
Condenser Fan	Expansion device type	Thermostatic Expansion Valves				
	Type	Propeller-Direct Drive				
	Diameter, mm	630	800	800	800	900
	No. of fans	1	1	1	1	1
	Air Flow, m ³ /min. (CFM)	164.14(5800)	367.9(13000)	367.9(13000)	367.9(13000)	481.1(17000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
Condenser Section	Nominal kW (HP)	0.53 (0.71)	2.1 (2.82)	2.1 (2.82)	2.1 (2.82)	2.05 (2.75)
	RPM	905	910	910	910	915
	Type	Microchannel				
	Rows/FPI	1/20				
Supply motor and fan	Total Face area, m ²	1.0	2.0	2.0	2.0	3.0
	Total Face area, ft ²	10.76	21.52	21.52	21.52	32.28
	Type	Forward - Belt Driven				
	No. of fans	1	1	1	1	1
Evaporator Coil	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	0.28-1.1	0.66-2.5	0.66-2.5	0.66-2.5	0.66-2.5
	Type	Enhanced Fins and Tube				
Air Filter	Rows/FPI	6/10				
	Total Face area, m ²	0.52	0.82	0.82	0.82	1.1
	Total Face area, ft ²	5.6	8.8	8.8	8.8	11.8
Operating Weight	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
Operating Weight	kg					

Model (HIGH EFFICIENT)	25T	30T	35T	40T	45T	
Power supply [Volts/Phase/Hz]	415 V/3 Ph/ 50 HZ					
Compressor	Type	Hermetic Scroll				
	Quantity	2	4	4	4	4
	Refrigeration Circuits	2	2	2	2	2
	Refrigerant	R407C				
Condenser Fan	Expansion device type	Thermostatic Expansion Valves				
	Type	Propeller-Direct Drive				
	Diameter, mm	800	800	800	800	800
	No. of fans	2	2	3	3	3
	Air Flow, m ³ /min. (CFM)	735.8(26000)	735.8(26000)	1103.7(39000)	1103.7(39000)	1103.7(39000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
Condenser Section	Nominal kW (HP)	2*2.1 (2.82)	2*2.1 (2.82)	3*2.1 (2.82)	3*2.1 (2.82)	3*2.1 (2.82)
	RPM	910	910	910	910	910
	Type	Microchannel				
	Rows/FPI	1/20				
Supply motor and fan	Total Face area, m ²	4.0	4.0	6.0	6.0	6.0
	Total Face area, ft ²	43.04	43.04	64.56	64.56	64.56
	Type	Forward - Belt Driven				
	No. of fans	2	2	2	2	2
Evaporator Coil	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	1.8-7	1.8-7	2.2-8.8	2.2-8.8	2.2-8.8
	Type	Enhanced Fins and Tube				
Air Filter	Rows/FPI	6/10				
	Total Face area, m ²	2.24	2.24	3.6	3.6	3.6
	Total Face area, ft ²	24.1	24.1	38.7	38.7	38.7
Operating Weight	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
Operating Weight	kg					

GENERAL DATA

Model (HIGH EFFICIENT)		50T	55T	60T	65T	70T
Power supply [Volts/Phase/Hz]		415 V/3 Ph/ 50 HZ				
Compressor	Type	Hermetic Scroll				
	Quantity	6	4	8	8	8
	Refrigeration Circuits	2	4	4	4	4
	Refrigerant	R407C				
	Expansion device type	Thermostatic Expansion Valves				
Condenser Fan	Type	Propeller-Direct Drive				
	Diameter, mm	800	800	800	800	800
	No. of fans	3	4	4	4	6
	Air Flow, m ³ /min. (CFM)	1103.7(39000)	1471.6(52000)	1471.6(52000)	1471.6(52000)	2207.4(78000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
	Nominal kW (HP)	3*2.1 (2.82)	4*2.1 (2.82)	4*2.1 (2.82)	4*2.1 (2.82)	6*2.1 (2.82)
RPM	910	910	910	910	910	
Condenser Section	Type	Microchannel				
	Rows/FPI	1/20				
	Total Face area, m ²	6.0	8.0	8.0	8.0	12.0
	Total Face area, ft ²	64.56	86.08	86.08	86.08	129.12
Supply motor and fan	Type	Forward - Belt Driven				
	No. of fans	2	4	4	4	4
	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	2.2-8.8	3.6-14	3.6-14	3.6-14	4.4-17.6
Evaporator Coil	Type	Enhanced Fins and Tube				
	Rows/FPI	6/10				
	Total Face area, m ²	3.6	4.48	4.48	4.48	7.2
	Total Face area, ft ²	38.7	48.2	48.2	48.2	77.4
Air Filter	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
Operating Weight	kg					

Model (HIGH EFFICIENT)		80T	90T	100T	110T	120T
Power supply [Volts/Phase/Hz]		415 V/3 Ph/ 50 HZ				
Compressor	Type	Hermetic Scroll				
	Quantity	8	8	12	12	12
	Refrigeration Circuits	4	4	4	4	4
	Refrigerant	R407C				
	Expansion device type	Thermostatic Expansion Valves				
Condenser Fan	Type	Propeller-Direct Drive				
	Diameter, mm	800	800	800	800	800
	No. of fans	6	6	6	6	6
	Air Flow, m ³ /min. (CFM)	2207.4(78000)	2207.4(78000)	2207.4(78000)	2207.4(78000)	2207.4(78000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
	Nominal kW (HP)	6*2.1 (2.82)	6*2.1 (2.82)	6*2.1 (2.82)	6*2.1 (2.82)	6*2.1 (2.82)
RPM	910	910	910	910	910	
Condenser Section	Type	Microchannel				
	Rows/FPI	1/20				
	Total Face area, m ²	12.0	12.0	12.0	12.0	12.0
	Total Face area, ft ²	129.12	129.12	129.12	129.12	129.12
Supply motor and fan	Type	Forward - Belt Driven				
	No. of fans	4	4	4	4	4
	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	4.4-17.6	4.4-17.6	4.4-17.6	4.4-17.6	4.4-17.6
Evaporator Coil	Type	Enhanced Fins and Tube				
	Rows/FPI	6/10				
	Total Face area, m ²	7.2	7.2	7.2	7.2	7.2
	Total Face area, ft ²	77.4	77.4	77.4	77.4	77.4
Air Filter	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
Operating Weight	kg					

GENERAL DATA

Model (STANDARD)	7T	10T	12T	15T	20T	
Power supply [Volts/Phase/Hz]	415 V/3 Ph/ 50 HZ					
Compressor	Type	Hermetic Scroll				
	Quantity	1	1	2	2	2
	Refrigeration Circuits	1	1	2	2	2
	Refrigerant	R407C				
Condenser Fan	Expansion device type	Thermostatic Expansion Valves				
	Type	Propeller-Direct Drive				
	Diameter, mm	630	630	800	800	800
	No. of fans	1	1	1	1	1
	Air Flow, m ³ /min. (CFM)	164.14(5800)	164.14(5800)	367.9(13000)	367.9(13000)	367.9(13000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
Condenser Section	Nominal kW (HP)	0.53 (0.71)	0.53 (0.71)	2.1 (2.82)	2.1 (2.82)	2.1 (2.82)
	RPM	905	905	910	910	910
	Type	Microchannel				
	Rows/FPI	1/20				
Supply motor and fan	Total Face area, m ²	1.0	1.0	2.0	2.0	2.0
	Total Face area, ft ²	10.76	10.76	21.52	21.52	21.52
	Type	Forward - Belt Driven				
	No. of fans	1	1	1	1	1
Evaporator Coil	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	0.28-1.1	0.28-1.1	0.66-2.5	0.66-2.5	0.66-2.5
	Type	Enhanced Fins and Tube				
Air Filter	Rows/FPI	6/10				
	Total Face area, m ²	0.52	0.52	0.82	0.82	0.82
	Total Face area, ft ²	5.6	5.6	8.8	8.8	8.8
Operating Weight	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
		kg				

Model (STANDARD)	25T	30T	35T	40T	45T	
Power supply [Volts/Phase/Hz]	415 V/3 Ph/ 50 HZ					
Compressor	Type	Hermetic Scroll				
	Quantity	2	4	4	4	4
	Refrigeration Circuits	2	2	2	2	2
	Refrigerant	R407C				
Condenser Fan	Expansion device type	Thermostatic Expansion Valves				
	Type	Propeller-Direct Drive				
	Diameter, mm	800	900	900	800	800
	No. of fans	1	1	1	2	2
	Air Flow, m ³ /min. (CFM)	367.9(13000)	481.1(17000)	481.1(17000)	735.8(26000)	735.8(26000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
Condenser Section	Nominal kW (HP)	2.1 (2.82)	2.05 (2.75)	2.05 (2.75)	2*2.1 (2.82)	2*2.1 (2.82)
	RPM	910	915	915	910	910
	Type	Microchannel				
	Rows/FPI	1/20				
Supply motor and fan	Total Face area, m ²	2.0	3.0	3.0	4.0	4.0
	Total Face area, ft ²	21.52	32.28	32.28	43.04	43.04
	Type	Forward - Belt Driven				
	No. of fans	1	1	1	2	2
Evaporator Coil	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	0.66-2.5	0.66-2.5	0.66-2.5	1.8-7	1.8-7
	Type	Enhanced Fins and Tube				
Air Filter	Rows/FPI	6/10				
	Total Face area, m ²	0.82	1.1	1.1	2.24	2.24
	Total Face area, ft ²	8.8	11.8	11.8	24.1	24.1
Operating Weight	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
		kg				

GENERAL DATA

Model (STANDARD)		50T	55T	60T	65T	70T
Power supply [Volts/Phase/Hz]		415 V/3 Ph/ 50 HZ				
Compressor	Type	Hermetic Scroll				
	Quantity	6	6	6	6	6
	Refrigeration Circuits	2	2	2	2	2
	Refrigerant	R407C				
Condenser Fan	Expansion device type	Thermostatic Expansion Valves				
	Type	Propeller-Direct Drive				
	Diameter, mm	800	800	800	800	800
	No. of fans	2	3	3	3	3
	Air Flow, m ³ /min. (CFM)	735.8(26000)	1103.7(39000)	1103.7(39000)	1103.7(39000)	1103.7(39000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
	Nominal kW (HP)	2*2.1 (2.82)	3*2.1 (2.82)	3*2.1 (2.82)	3*2.1 (2.82)	3*2.1 (2.82)
Condenser Section	RPM	910	910	910	910	910
	Type	Microchannel				
	Rows/FPI	1/20				
	Total Face area, m ²	4.0	6.0	6.0	6.0	6.0
	Total Face area, ft ²	43.04	64.56	64.56	64.56	64.56
Supply motor and fan	Type	Forward - Belt Driven				
	No. of fans	2	2	2	2	2
	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	1.8-7	2.2-8.8	2.2-8.8	2.2-8.8	2.2-8.8
Evaporator Coil	Type	Enhanced Fins and Tube				
	Rows/FPI	6/10				
	Total Face area, m ²	2.24	3.6	3.6	3.6	3.6
	Total Face area, ft ²	24.1	38.7	38.7	38.7	38.7
Air Filter	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
Operating Weight	kg					

Model (STANDARD)		80T	90T	100T	110T	120T
Power supply [Volts/Phase/Hz]		415 V/3 Ph/ 50 HZ				
Compressor	Type	Hermetic Scroll				
	Quantity	8	8	12	12	12
	Refrigeration Circuits	4	4	4	4	4
	Refrigerant	R407C				
Condenser Fan	Expansion device type	Thermostatic Expansion Valves				
	Type	Propeller-Direct Drive				
	Diameter, mm	800	800	800	800	800
	No. of fans	4	4	4	6	6
	Air Flow, m ³ /min. (CFM)	1471.6(52000)	1471.6(52000)	1471.6(52000)	2207.4(78000)	2207.4(78000)
	Motor Enclosure/Ins .Class	Totally Enclosed Air Over, Class F / Class B				
	Nominal kW (HP)	4*2.1 (2.82)	4*2.1 (2.82)	4*2.1 (2.82)	6*2.1 (2.82)	6*2.1 (2.82)
Condenser Section	RPM	910	910	910	910	910
	Type	Microchannel				
	Rows/FPI	1/20				
	Total Face area, m ²	8.0	8.0	8.0	12.0	12.0
	Total Face area, ft ²	86.08	86.08	86.08	129.12	129.12
Supply motor and fan	Type	Forward - Belt Driven				
	No. of fans	4	4	4	4	4
	Motor Enclosure/Ins .Class	Totally Enclosed Fan Cooled (TEFC) , Class F Insulation				
	Nominal kW	3.6-14	3.6-14	3.6-14	4.4-17.6	4.4-17.6
Evaporator Coil	Type	Enhanced Fins and Tube				
	Rows/FPI	6/10				
	Total Face area, m ²	4.48	4.48	4.48	7.2	7.2
	Total Face area, ft ²	48.2	48.2	48.2	77.4	77.4
Air Filter	Type	Washable Aluminum mesh				
	Thickness [inch]	2"				
Operating Weight	kg					

PERFORMANCE DATA TABLES

Model (HIGH EFFICIENT)	Air Flow Rate (CFM)	RH%	Condenser Ambient Temperature [F]									
			85		95		105		115		125	
			Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)	
			Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.
7T	1400	50	815.4	554.6	952	593	1106.4	623.6	92.5	46.6	108.4	47.9
	3080	50	1317	966.4	1508	1012.4	1759	1055.6	150.1	79	174.4	79.5
10T	2193	50	92.1	62.8	107.6	67.1	125.1	70.6	146.2	73.5	170.9	75.4
	4824	50	149.3	109.6	173.5	115.8	202.4	120.9	235.4	123.9	272.7	124.5
12T	2193	50	92.1	62.8	107.6	67.1	125.1	70.6	146.2	73.5	170.9	75.4
	4824	50	149.3	109.6	173.5	115.8	202.4	120.9	235.4	123.9	272.7	124.5
15T	2193	50	92.1	62.8	107.6	67.1	125.1	70.6	146.2	73.5	170.9	75.4
	4824	50	149.3	109.6	173.5	115.8	202.4	120.9	235.4	123.9	272.7	124.5
20T	2957	50	124.1	84.5	144.9	90.4	169	95.2	197.1	99.1	230	101.5
	6505	50	201.6	147.8	233.9	156.1	272.3	162.7	316.4	166.7	366.8	167.5
25T	6023	50	253	172.3	296	184.5	344.5	194.1	400.5	201.4	469.8	207.4
	13250	50	410.8	301.2	475.9	317.8	556.9	332.3	648.4	341	749.8	342.1
30T	6023	50	253	172.3	296	184.5	344.5	194.1	400.5	201.4	469.8	207.4
	13250	50	410.8	301.2	475.9	317.8	556.9	332.3	648.4	341	749.8	342.1
35T	9673	50	407.7	277.3	476	296.5	553.2	311.8	640	322.1	746.4	329.8
	21281	50	658.5	483.2	754	506.2	879.5	527.8	1035.7	545.6	1211.6	552
40T	9673	50	407.7	277.3	476	296.5	553.2	311.8	640	322.1	746.4	329.8
	21281	50	658.5	483.2	754	506.2	879.5	527.8	1035.7	545.6	1211.6	552
45T	9673	50	407.7	277.3	476	296.5	553.2	311.8	640	322.1	746.4	329.8
	21281	50	658.5	483.2	754	506.2	879.5	527.8	1035.7	545.6	1211.6	552

PERFORMANCE DATA TABLES

Model (HIGH EFFICIENT)	Air Flow Rate (CFM)	RH%	Condenser Ambient Temperature [F]									
			85		95		105		115		125	
			Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)	
			Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.
50T	9673	50	407.7	277.3	476	296.5	553.2	311.8	640	322.1	746.4	329.8
	21281	50	658.5	483.2	754	506.2	879.5	527.8	1035.7	545.6	1211.6	552
55T	12046	50	506	344.6	592	369	689	388.2	801	402.8	939.6	414.8
	26500	50	821.6	602.4	951.8	635.6	1113.8	664.6	1296.8	682	1499.6	684.2
60T	12046	50	506	344.6	592	369	689	388.2	801	402.8	939.6	414.8
	26500	50	821.6	602.4	951.8	635.6	1113.8	664.6	1296.8	682	1499.6	684.2
65T	12046	50	506	344.6	592	369	689	388.2	801	402.8	939.6	414.8
	26500	50	821.6	602.4	951.8	635.6	1113.8	664.6	1296.8	682	1499.6	684.2
70T	19346	50	815.4	554.6	952	593	1106.4	623.6	1280	644.2	1492.8	659.6
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	2071.4	1091.2	2423.2	1104
80T	19346	50	815.4	554.6	952	593	1106.4	623.6	1280	644.2	1492.8	659.6
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	2071.4	1091.2	2423.2	1104
90T	19346	50	815.4	554.6	952	593	1106.4	623.6	1280	644.2	1492.8	659.6
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	2071.4	1091.2	2423.2	1104
100T	19346	50	815.4	554.6	952	593	1106.4	623.6	1280	644.2	1492.8	659.6
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	2071.4	1091.2	2423.2	1104
110T	19346	50	815.4	554.6	952	593	1106.4	623.6	1280	644.2	1492.8	659.6
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	2071.4	1091.2	2423.2	1104
120T	19346	50	815.4	554.6	952	593	1106.4	623.6	1280	644.2	1492.8	659.6
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	2071.4	1091.2	2423.2	1104

PERFORMANCE DATA TABLES

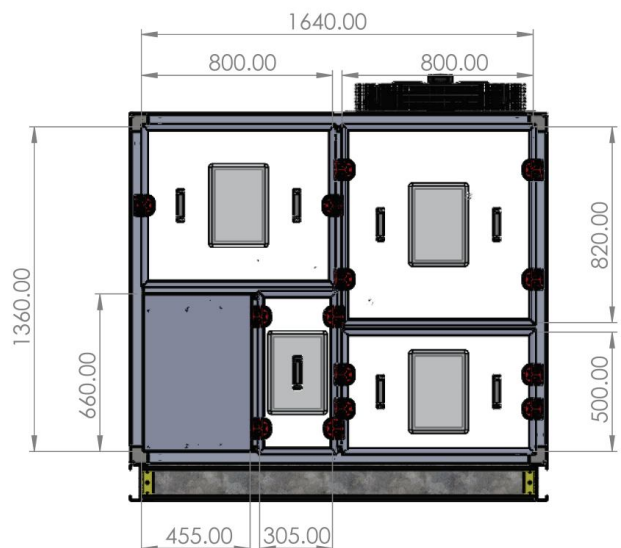
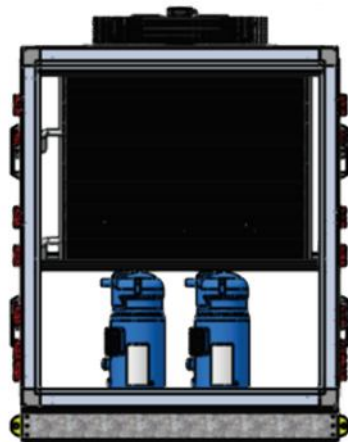
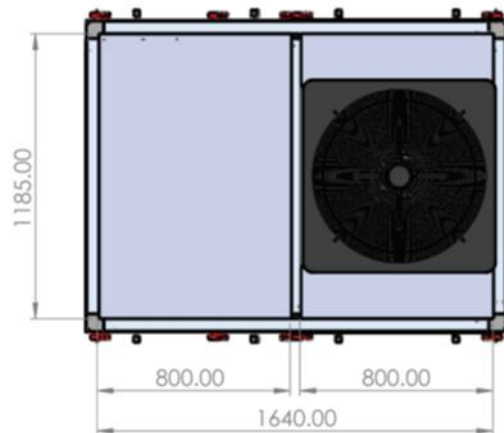
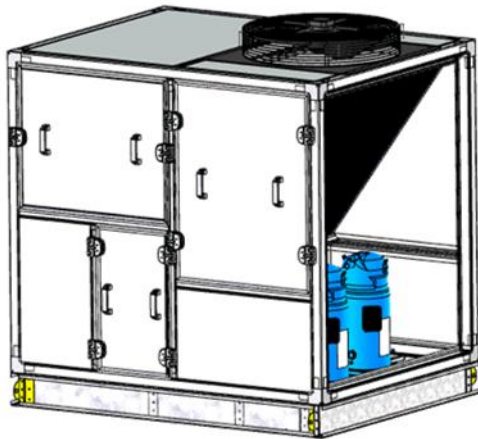
Model (STANDARD)	Air Flow Rate (CFM)	RH%	Condenser Ambient Temperature [F]									
			85		95		105		115		125	
			Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)	
			Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.
7T	1400	50	815.4	554.6	952	593	1106.4	623.6	-	-	-	-
	3080	50	1317	966.4	1508	1012.4	1759	1055.6	-	-	-	-
10T	1400	50	815.4	554.6	952	593	1106.4	623.6	-	-	-	-
	3080	50	1317	966.4	1508	1012.4	1759	1055.6	-	-	-	-
12T	2193	50	92.1	62.8	107.6	67.1	125.1	70.6	-	-	-	-
	4824	50	149.3	109.6	173.5	115.8	202.4	120.9	-	-	-	-
15T	2193	50	92.1	62.8	107.6	67.1	125.1	70.6	-	-	-	-
	4824	50	149.3	109.6	173.5	115.8	202.4	120.9	-	-	-	-
20T	2193	50	92.1	62.8	107.6	67.1	125.1	70.6	-	-	-	-
	4824	50	149.3	109.6	173.5	115.8	202.4	120.9	-	-	-	-
25T	2193	50	92.1	62.8	107.6	67.1	125.1	70.6	-	-	-	-
	4824	50	149.3	109.6	173.5	115.8	202.4	120.9	-	-	-	-
30T	2957	50	124.1	84.5	144.9	90.4	169	95.2	-	-	-	-
	6505	50	201.6	147.8	233.9	156.1	272.3	162.7	-	-	-	-
35T	2957	50	124.1	84.5	144.9	90.4	169	95.2	-	-	-	-
	6505	50	201.6	147.8	233.9	156.1	272.3	162.7	-	-	-	-
40T	6023	50	253	172.3	296	184.5	344.5	194.1	-	-	-	-
	13250	50	410.8	301.2	475.9	317.8	556.9	332.3	-	-	-	-
45T	6023	50	253	172.3	296	184.5	344.5	194.1	-	-	-	-
	13250	50	410.8	301.2	475.9	317.8	556.9	332.3	-	-	-	-

PERFORMANCE DATA TABLES

Model (STANDARD)	Air Flow Rate (CFM)	RH%	Condenser Ambient Temperature [F]									
			85		95		105		115		125	
			Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)		Capacity (MBH)	
			Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.	Total	Sen.
50T	6023	50	253	172.3	296	184.5	344.5	194.1	-	-	-	-
	13250	50	410.8	301.2	475.9	317.8	556.9	332.3	-	-	-	-
55T	9673	50	407.7	277.3	476	296.5	553.2	311.8	-	-	-	-
	21281	50	658.5	483.2	754	506.2	879.5	527.8	-	-	-	-
60T	9673	50	407.7	277.3	476	296.5	553.2	311.8	-	-	-	-
	21281	50	658.5	483.2	754	506.2	879.5	527.8	-	-	-	-
65T	9673	50	407.7	277.3	476	296.5	553.2	311.8	-	-	-	-
	21281	50	658.5	483.2	754	506.2	879.5	527.8	-	-	-	-
70T	9673	50	407.7	277.3	476	296.5	553.2	311.8	-	-	-	-
	21281	50	658.5	483.2	754	506.2	879.5	527.8	-	-	-	-
80T	12046	50	506	344.6	592	369	689	388.2	-	-	-	-
	26500	50	821.6	602.4	951.8	635.6	1113.8	664.6	-	-	-	-
90T	12046	50	506	344.6	592	369	689	388.2	-	-	-	-
	26500	50	821.6	602.4	951.8	635.6	1113.8	664.6	-	-	-	-
100T	12046	50	506	344.6	592	369	689	388.2	-	-	-	-
	26500	50	821.6	602.4	951.8	635.6	1113.8	664.6	-	-	-	-
110T	19346	50	815.4	554.6	952	593	1106.4	623.6	-	-	-	-
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	-	-	-	-
120T	19346	50	815.4	554.6	952	593	1106.4	623.6	-	-	-	-
	42562	50	1317	966.4	1508	1012.4	1759	1055.6	-	-	-	-

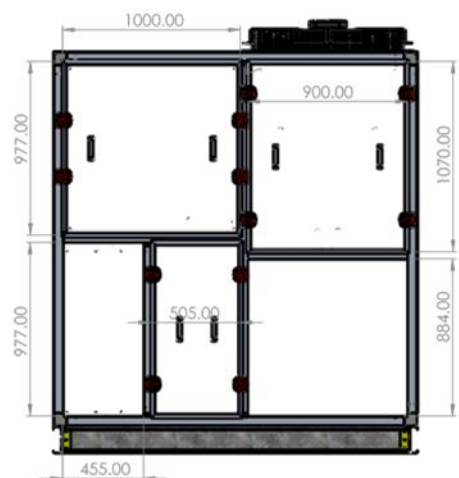
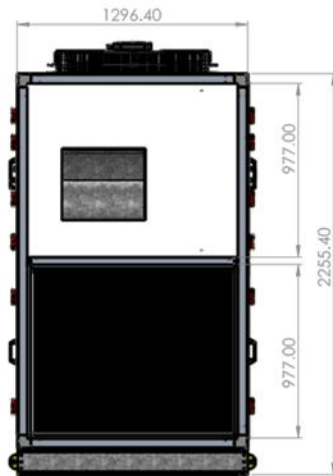
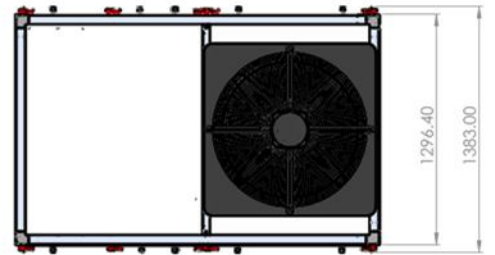
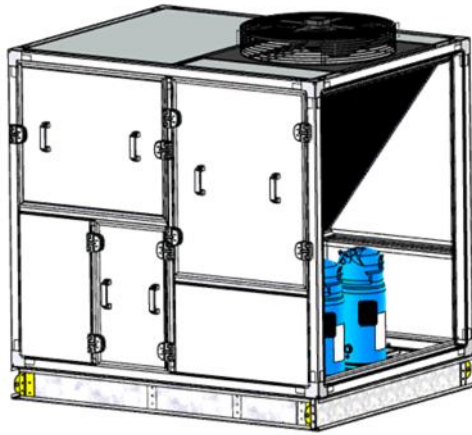
UNIT DIMENSIONS

10 T



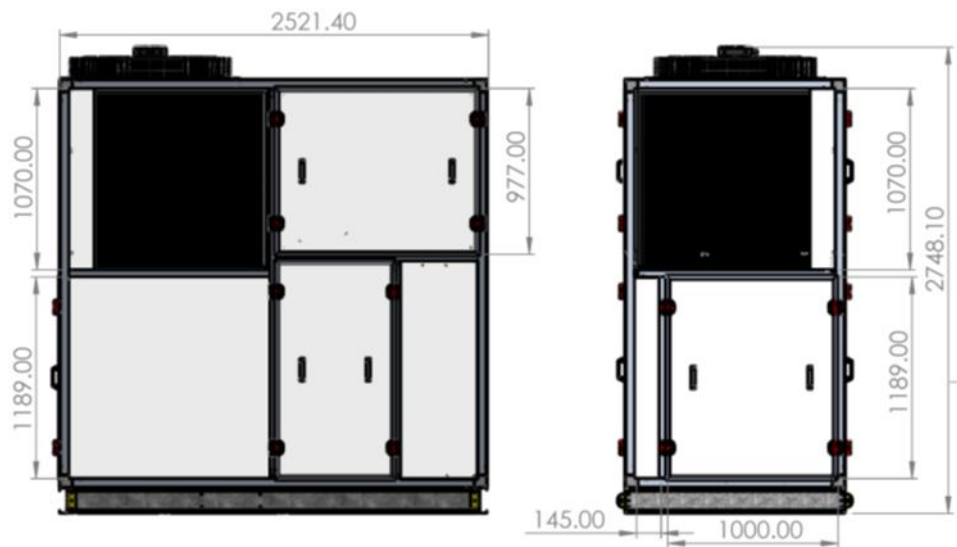
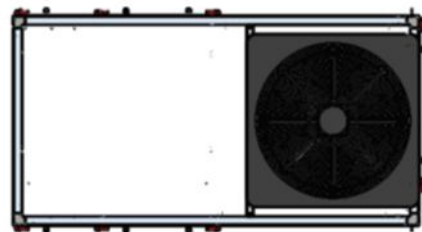
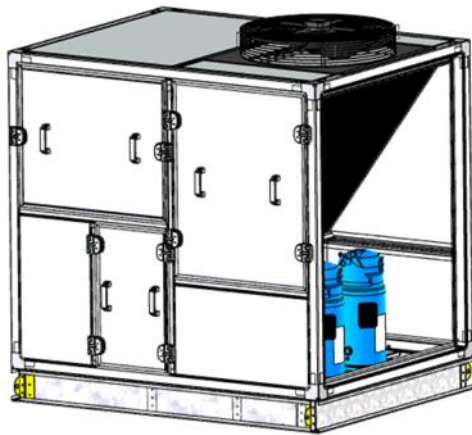
UNIT DIMENSIONS

20 T



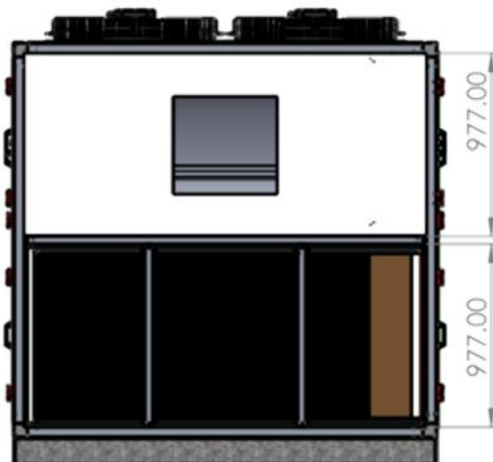
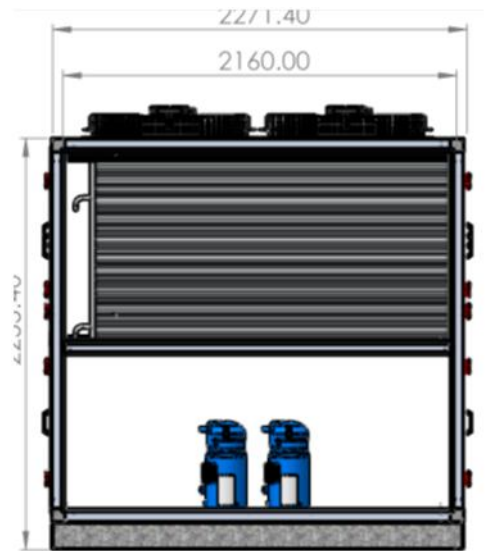
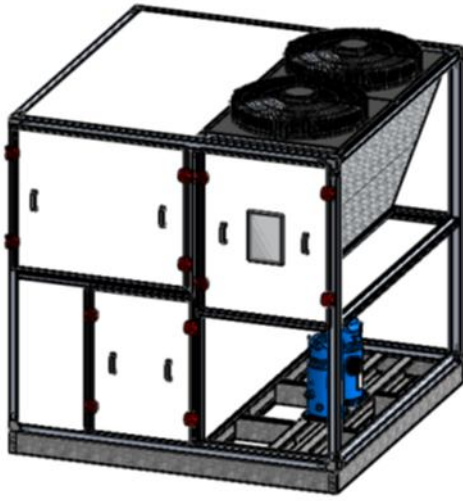
UNIT DIMENSIONS

30 T



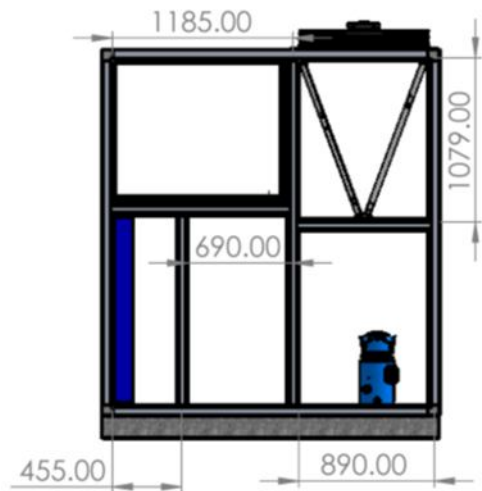
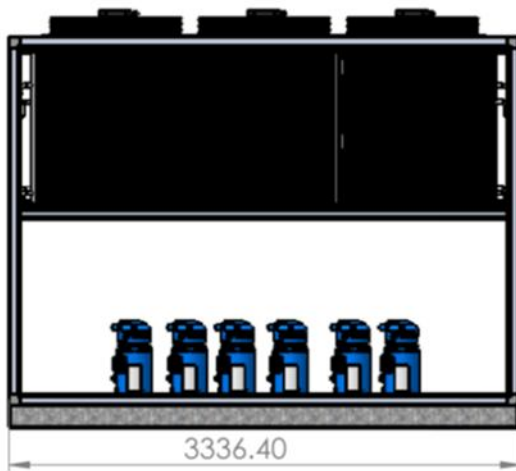
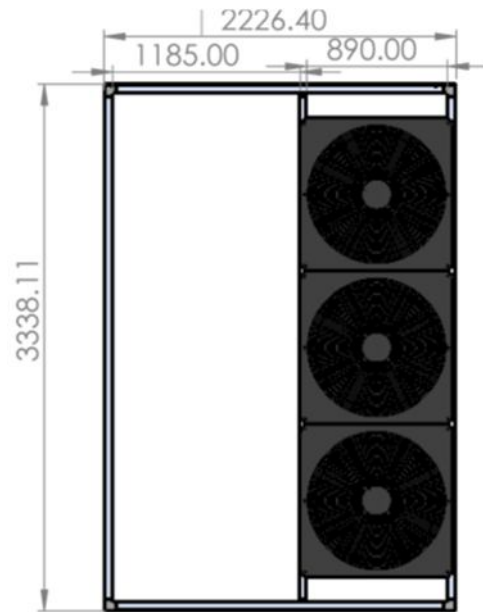
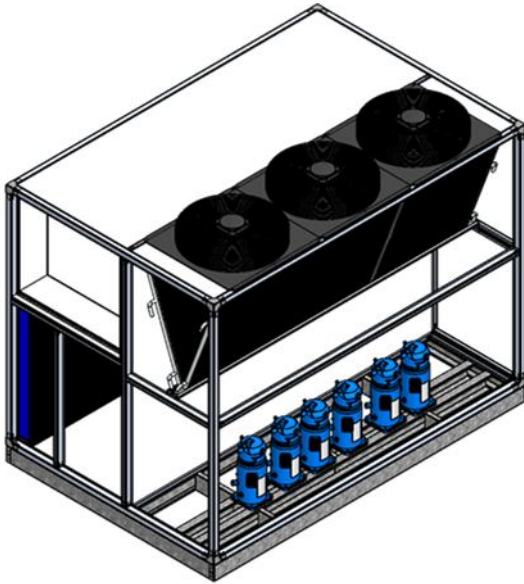
UNIT DIMENSIONS

40 T



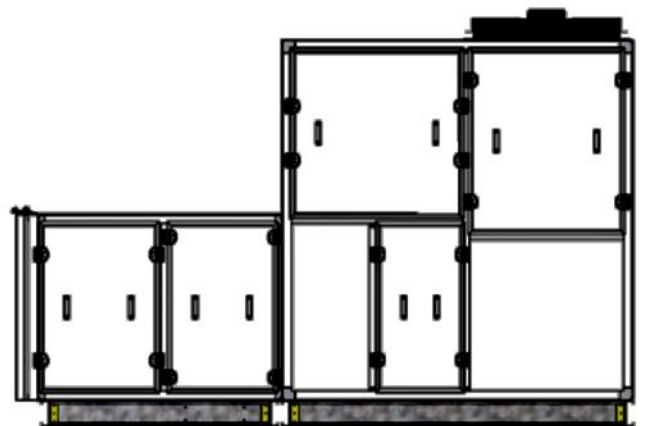
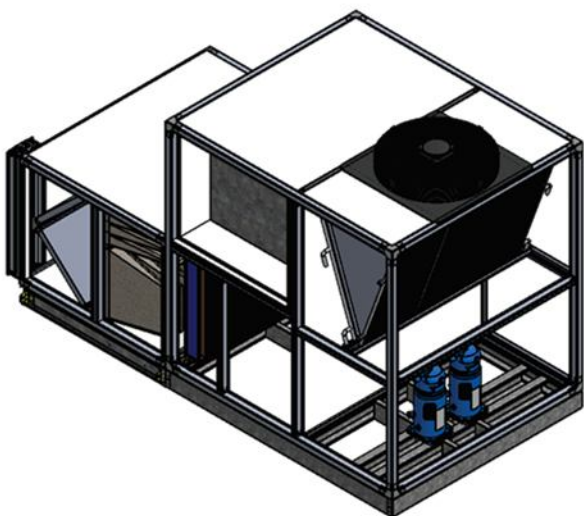
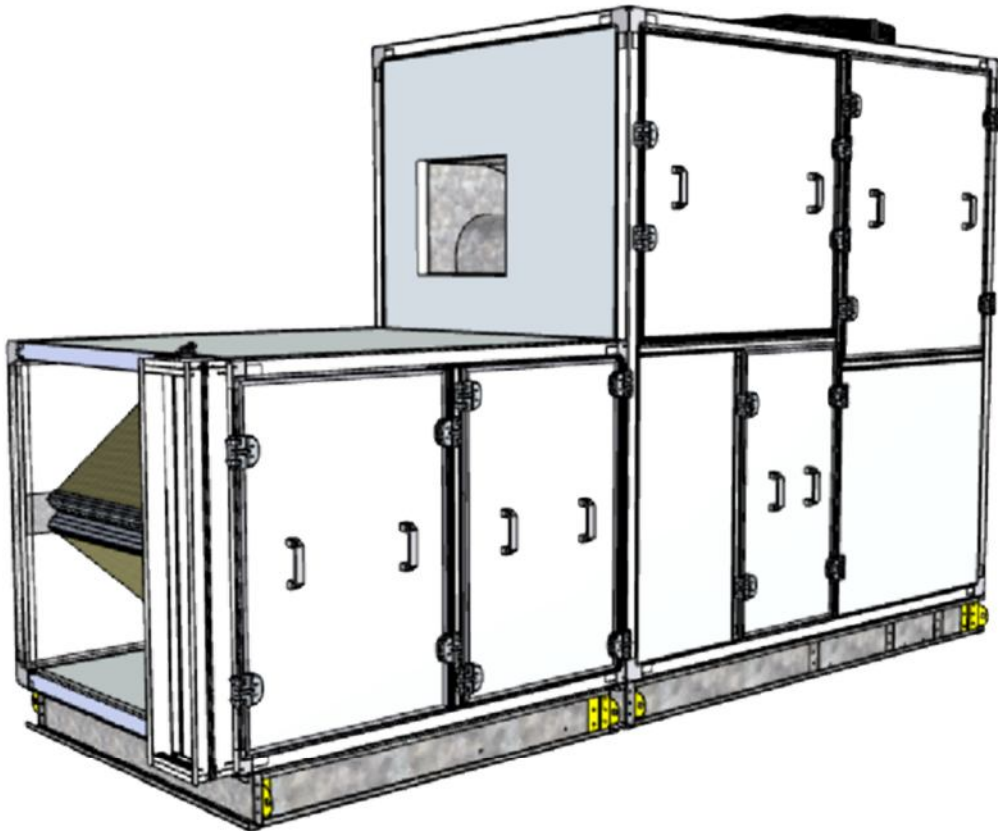
UNIT DIMENSIONS

60 T



UNIT DIMENSIONS

Package Filter







. NOTE .

A large rectangular area with rounded corners, outlined in light blue, containing numerous horizontal light blue lines for writing. The lines are evenly spaced and cover the entire area, providing a template for taking notes.

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AIR CONDITIONER