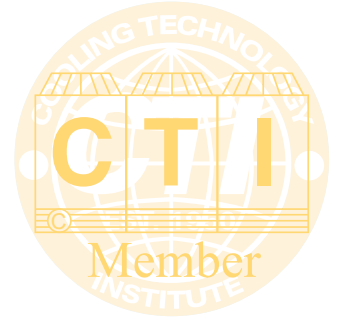


Modular Packaged Air Conditioners

OCPUA240 thru OCPUA840
20TR thru 70TR





INDEX

CONTENTS	PAGE
Outstanding Features	3-4
Model Decoding	5
BlowerdriveOptions	6-8
Standard Specifications/options/accessories	9-14
Standard Modules	15-16
Additional optional modules	17
Filter Sizes	18
Physical data - 60Hz	19
Physical data - 50Hz	20
Selection Procedure	21
Cooling capacities - 60Hz	22-25
Cooling capacities - 50Hz	26-29
Electrical data	30-34
Fan performance Data	35-41
Sound level data	42
Static pressure Drop	43
Unit Dimensions	44-48
Roofcurb & dimensions	52-54
Freshair hood Assembly	55
Rigging instructions and weight distribution	56
Typical schematic wiring diagram	57
Installation Instructions	58
Recommended spare Parts	59
Parts list	60-63
Explode Views.....	64-69

CONTINUING RESEARCH RESULTS IN STEADY IMPROVEMENTS.
THEREFORE, THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.





OUTSTANDING FEATURES

- * HIGH EER, ONE OF THE HIGHEST TON/ KW IN THE INDUSTRY.
- * GREATER DESIGNED FLEXIBILITY. TWO BASIC MODELS TO CHOOSE FROM (MIDDLE FAN AND FRONT FAN UNIT) THAT CAN GENERATE 30 ARRANGEMENTS (SUPPLY , RETURN & FRESH AIR COMBINATIONS).
- * INTEGRAL SUB COOLING CIRCUIT PROVIDED TO INCREASE UNIT EFFICIENCY.
- * TOTAL SERVICE ACCESSIBILITY.
- * LARGE SIZE WEATHERPROOF CONTROL BOX.
- * CARTRIDGE TYPE COILS ARE ARRANGED TO SLIDE IN / OUT OF THE COIL SECTION FOR EASY MAINTENANCE AND REPLACEMENT.
- * ADDITIONAL OPTIONAL MODULE SUCH AS BAG FILTERS SECTION WITH PRE-FILTERS, DRIP ELIMINATOR, SIDE RETURN MIXING BOX AND ECONOMIZER TO ENHANCE AIR QUALITY.
- * UNIFORM DIMENSION HAVING STANDARD WIDTH AND HEIGHT FOR ALL THE FRAME SIZES AS WELL AS PROVIDING A PLEASING MODERN APPEARANCE.
- * SINGLE POINT POWER ENTRY.
- * QUICK-ADJUST-SHAFT, FOR QUICK BELT TENSION ADJUSTMENT.
- * MOTOR AND FAN ARE MOUNTED ON ANTI-VIBRATION PADS.



OUTSTANDING FEATURES

- * MASTIC COATED DRAIN PAN, 2 SIDES DRAIN ALLOWING NO WATER ACCUMULATION AND MICROBIAL GROWTH. OPTIONAL STAINLESS STEEL DRAIN PAN.
- * ROOF CURB OPTION WITH DUCTING MOUNTED ON CURBS DIRECTLY, SO ALL DUCTING CAN BE COMPLETED PRIOR TO UNIT DELIVERY.
- * FULL PERIMETER BASE RAIL, 10 GAUGE, PROVIDED WITH HOLES FOR OVERHEAD RIGGING.
- * CONDENSER FAN MOTORS CLASS 'F' INSULATION.
- * HIGH EFFICIENCY SCROLL / SEMI -HERMETIC COMPRESSORS. THE COMPRESSORS BASE PLATE IS DESIGNED TO TAKE HERMETIC OR SEMI - HERMETIC RECIPROCATING COMPRESSORS ALSO.
- * 2 INCH THICK ALUMINUM FILTERS.
- * RAIN HOOD & DAMPERS OPTIONAL.
- * TWO INDEPENDENT REFRIGERATION SYSTEMS OPTIONAL.
- * OPTIONAL FUSION BONDED VINYL COATING FOR CONDENSER FAN GUARD. IT HAS HIGH DEGREE OF PROTECTION FROM CORROSION IN MARINE ATMOSPHERE.

MODEL DECODING

MODEL DECODING

1,2,3,4&5 BASIC	6, 7 & 8 NOMINAL COOLING CAP.(MBH)	9 ELECTRICAL SUPPLY (V-PH-Hz)	10 REFRIGERA- TION CIRCUIT	11 COMPRESSOR TYPE	12 CONDENSER FAN MOTOR	13 CONDENSER COIL	14 PDS OPTION	15 KITS ELECTRICAL OPTIONS	16 KITS MECHANICAL OPTIONS	17 BLOWER ARRANGE- MENT	18 BLOWER MOTOR
OCPUA	240 300 360 420 480 600 720 840	H : 208/230-3-60 M : 380-3-60 (4 WIRE) F : 460-3-60 L : 380/415-3-50 (4 WIRE)	D : DUAL S : SINGLE	S : SCROLL * H : HERMETIC OR SEMI- HERMETIC RECIPROCAT- ING	N : STANDARD WITH FIXED PRESSURE SWITCH L : LOW AMBIENT WITH FIXED PRESSURE SWITCH & FAN CYCLING SWITCH K : STANDARD FAN WITH ADJUSTABLE PRESSURE SWITCH J : LOW AMBIENT WITH FAN CYCLING SWITCH & ADJUSTABLE PRESSURE SWITCH	A : ALUMINUM FIN B : COATED ALUMINUM FIN C : COPPER FIN	N : NO OPTION P : PDS (PUMP DOWN SOLENOID)	N : NO OPTION I : ANTI ICE U : UVM V : VOLT FREE, CONTACTS** B : COMPRESSOR CIRCUIT BREAKER A : I, U & V COMBO C : U, V & B COMBO D : I, V & B COMBO E : I, U, V & B COMBO	A : STD. OPTION WITH MUFFLER, REPLACEABLE DRIER WITH BALL VALVE & PRESSURE GAUGES D : DISCHARGE GAS SENSOR H : HOT GAS BYPASS P : CONDENSER PRESSURE RELIEF VALVE B : D & H COMBO C : D & P COMBO E : H & P COMBO F : D, H & P COMBO	M : MIDDLE FAN F : FRONT FAN	J : 7.5HP ODP K : 7.5HP TEFC L : 10HP ODP M : 10HP TEFC N : 15HP ODP P : 15HP TEFC Q : 20HP ODP R : 20HP TEFC S : 25HP ODP T : 25HP TEFC U : 30HP ODP V : 30HP TEFC

19 DRIVE OPTIONS	20 HEATER OPTIONS (KW/STAGES)	21 SUPPLY AIRFLOW	22 RETURN AIRFLOW	23 EVAPORATOR COIL	24 MIXING BOX	25 BAG FILTER	26 ELIMINATOR	27 DAMPER
A : ALT. I B : ALT. II C : ALT. III D : ALT. IV E : ALT. V F : ALT. VI	N : NO HEATER D : 10/2 F : 15/2 G : 20/2 H : 25/2 J : 30/2 L : 40/2 M : 50/2 P : 60/2	B : BOTTOM T : TOP F : FRONT S : SIDE	B : BOTTOM T : TOP F : FRONT S : SIDE (FOR LARGE MIXING BOX, DUCT COLLAR)	A : ALUMINUM FIN WITH STANDARD DRAIN PAN B : COATED ALUMINUM FIN WITH STANDARD DRAIN PAN C : COPPER FIN WITH STANDARD DRAIN PAN D : ALUMINUM FIN WITH STAINLESS STEEL DRAIN PAN E : COATED ALUMINUM FIN WITH STAINLESS STEEL DRAIN PAN F : COPPER FIN WITH STAINLESS STEEL DRAIN PAN	A : STANDARD MIXING BOX (TOP, BOTTOM OR BACK) B : MIXING BOX WITH SIDE RETURN AIR (DUCT COLLAR) C : MIXING BOX WITH ECONOMIZER UP TO 100% SIDE FRESH AIR D : SHORT FILTER RACK FOR MIDDLE FAN ARRANGEMENT ONLY	N : NO BAG FILTER B : BAG FILTER WITH 2" THICK PRE-FILTER O : OTHERS	N : NO ELIMINATOR E : DRIP ELIMINATOR + ELIMINATOR	N : NO DAMPER A : FRESH AIR DAMPER B : FRESH AIR DAMPER WITH HOOD C : FRESH AIR DAMPER & RETURN AIR DAMPER (TOP, BOTTOM & BACK) D : FRESH AIR DAMPER WITH HOOD & RETURN AIR DAMPER (ALL ABOVE FOR STANDARD MIXING BOX) E : FRESH AIR DAMPER F : FRESH AIR DAMPER WITH HOOD G : FRESH AIR DAMPER & RETURN AIR DAMPER (SIDE RETURN AIR) H : FRESH AIR DAMPER WITH HOOD & RETURN AIR DAMPER (SIDE RETURN AIR) (ALL ABOVE FOR LARGE MIXING BOX) J : DAMPER FOR ECONOMIZER, 100% FRESH AIR

NOTES: * - Scroll compressors are available for models OCPUA 240 & 300 & 360

** - A combination of volt free contact option: 1. Unit ON/OFF indication; 2. Compressor ON/OFF & trip indication.

+ - Drip eliminators are recommended when velocity across the coil is above 600 FPM.



PACKAGED UNIT
OMRAN TAHVIEH

BLOWER DRIVE OPTIONS - 60Hz

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA.	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA240 OCPUA 300	ALT. I	7.5	1750	3.5 - 4.9	957	1340	5.2	6.4	77
	ALT. II	7.5	1750	3.5 - 4.9	875	1225	6.5	7	70
	ALT. III	10	1750	4.5 - 5.9	1125	1475	8.6	7	70

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA360	ALT. I	7.5	1750	3.5 - 4.9	766	1072	5.2	8	61
	ALT. II	7.5	1750	3.5 - 4.9	712	997	6.5	8.6	57
	ALT. III	10	1750	3.5 - 4.9	766	1072	7.4	8	61
	ALT. IV	10	1750	4.5 - 5.9	838	1097	8.7	9.4	52
	ALT. V	15	1750	4 - 5.4	1000	1350	10.9	7	70
	ALT. VI	15	1750	4.5 - 5.9	994	1291	13.5	8	59

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA420	ALT. I	10	1750	3.5 - 4.9	766	1072	6.9	8	61
	ALT. II	10	1750	4.5 - 5.9	838	1100	8.7	9.4	52
	ALT. III	15	1750	4 - 5.4	875	1181	11.4	8	61
	ALT. IV	15	1750	4.5 - 5.9	984	1290	13.8	8	61

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA480	ALT. I	10	1750	4.5 - 5.9	838	1098	8.7	9.4	52
	ALT. II	15	1750	4 - 5.4	814	1099	11.4	8.6	57
	ALT. III	15	1750	4.5 - 5.9	916	1200	13.8	8.6	57
	ALT. IV	20	1750	5 - 6.4	1017	1302	18.4	8.6	57

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA600	ALT. I	15	1750	4 - 5.4	814	1100	11.4	8.6	57
	ALT. II	15	1750	4.5 - 5.9	916	1200	13.8	8.6	57
	ALT. III	20	1750	5 - 6.4	1017	1302	16	8.6	57
	ALT. IV	20	1750	5 - 6.4	931	1191	18.4	9.4	52
	ALT. V	25	1750	6 - 7.4	1050	1250	21.2	9.4	44
	ALT. VI	25	1750	7 - 8.4	1100	1300	23	11	37



PACKAGED UNIT
OMRAN TAHVIEH

BLOWER DRIVE OPTIONS - 60Hz

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA720	ALT. I	15	1750	4- 5.4	745	1005	11.4	9.4	52
	ALT.II	15	1750	4- 5.4	636	859	13.8	11	45
	ALT.III	20	1750	4.5 - 5.9	716	939	16	11	45
	ALT. IV	20	1750	5- 6.4	795	1018	18.4	11	45
	ALT. V	25	1750	5.5 - 6.9	776	974	20.6	12.4	40
	ALT. VI	25	1750	6- 7.4	847	1044	23	12.4	39

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA 840	ALT. I	20	1750	4.5 - 5.9	716	939	16	11	45
	ALT.II	20	1750	5- 6.4	795	1018	18.4	11	45
	ALT.III	25	1750	5.5 - 6.9	776	974	20.6	12.4	40
	ALT. IV	25	1750	6- 7.4	847	1044	23	12.4	39

BLOWER DRIVE OPTIONS - 50Hz

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA240 OCPUA 300	ALT. I	7.5	1450	3.5 - 4.9	846	1184	5.2	5.6	68
	ALT.II.	7.5	1450	3.5 - 4.9	846	1184	6.5	6.2	68
	ALT.III	10	1450	4.5 - 5.9	1052	1380	8.6	6.2	73

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA360	ALT. I	7.5	1450	3.5 - 4.9	725	1015	6.5	7	58
	ALT.II.	10	1450	3.5 - 4.9	725	1015	7.4	7	58
	ALT.III	10	1450	4.5 - 5.9	882	1156	8.7	7.4	55
	ALT. IV	15	1450	4- 5.4	906	1223	10.9	6.4	63
	ALT. V	15	1450	4.5 - 5.9	1019	1337	13.5	6.4	64

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA 420	ALT. I	10	1450	4- 5.4	829	1118	8.7	7	58
	ALT.II	15	1450	4- 5.4	906	1223	11.4	6.4	63
	ALT.III	15	1450	4.5 - 5.9	932	1222	13.8	7	58

BLOWER DRIVE OPTIONS - 50Hz

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA480	ALT. I	10	1450	4- 5.4	829	1118	8.7	7	58
	ALT.II	15	1450	4- 5.4	906	1223	11.4	6.4	63
	ALT.III	15	1450	4.5 - 5.9	932	1222	13.8	7	58
	ALT. IV	20	1450	5.5 - 6.9	1078	1352	18.4	7.4	55

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA 600	ALT. I	15	1450	4- 5.4	828	1118	11.4	7	58
	ALT.II	15	1450	4.5 - 5.9	882	1156	13.8	7.4	55
	ALT.III	20	1450	4.5 - 5.9	816	1069	16	8	51
	ALT. IV	20	1450	5.5 - 6.9	997	1251	18.4	8	51
	ALT. V	25	1450	6 - 7.4	1000	1250	21.2	8.6	40
	ALT. VI	25	1450	7- 8.4	1080	1300	23	9.4	36

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA720	ALT. I	15	1450	4- 5.4	725	979	11.4	8	51
	ALT.II	15	1450	4.5 - 5.9	759	995	13.8	8.6	47
	ALT.III	20	1450	4.5 - 5.9	843	1000	16	9.4	47
	ALT. IV	20	1450	5.5 - 6.9	850	1100	18.4	9.4	43
	ALT. V	25	1450	5.5 - 6.9	725	910	20.6	11	37
	ALT. VI	25	1450	6- 7.4	791	975	23	11	37

MODEL NUMBER	OPTION	MOTOR			BLOWER				APPROX. SPEED CHANGE/PULLEY TURN(RPM).
		HP	RPM	PULLEY PITCH DIA. (INCH)	SPEED RANGE (RPM)		BHP	PULLEY PITCH DIA. (INCH)	
					MINIMUM	MAXIMUM			
OCPUA 840	ALT. I	20	1450	4.5 - 5.9	694	910	16	9.4	43
	ALT.II	20	1450	5.5 - 6.9	848	1064	18.4	9.4	43
	ALT.III	25	1450	5.5 - 6.9	725	910	20.6	11	37
	ALT. IV	25	1450	6- 7.4	791	975	23	11	37

STANDARD SPECIFICATIONS

A. GENERAL

The modular packaged unit is a factory assembled cooling or combination heating and cooling single zone unit suitable for mounting on the roof or ground. The packaged unit consists of refrigerant compressors, cooling coil, heating coil (optional), condenser coil, fans, electric heater (optional), control wiring and interconnecting piping - all factory assembled. Unit casing is of rigid construction mounted on pressed steel rail base with lifting holes for overhead rigging. The unit is provided with an integral Weather resistant control panel suitable for remote thermostat control, ready for field Connection to utilities, roof curbs and ducts.

For every size, there are two basic models to choose from front or middle fan arrangement. These units can be supplied with top, bottom and front supply air. Also they can provided top, bottom, front and side return air arrangements to provide optimum installation flexibility.

These units can be provided with additional modules & accessories such as bag filters, drip eliminator, Economizer, Manual fresh air damper with rain hood, enthalpy sensors, roof curb etc...

B. UNIT ENCLOSURE

Unit sections are of modular construction with base frame and panels of heavy gauge galvanized steel. Top & bottom base pan, vertical posts, cross channels & supporting brackets joined together bolted. Steel sheet panels are zinc-coated and galvanized by the hot dip process.

C. COMPRESSOR

Scroll compressors are used as standard for models OCPUA240,300,& 360 with an option to use semi-hermetic reciprocating compressors. Semi-hermetic reciprocating compressors are used for all other models. The compressors are equipped with internal motor protection and also provided with vibration isolators. **Oil pressure control** is provided on units with semi-hermetic compressors only. Each compressor has lock-out devices to protect it from short cycling when tripped by safety Controls.

D. INSULATION

The air handling section is insulated with fiberglass, or polyroll or polyurethan insulation which will prevent condensation from forming on the casing. Insulation is protected against deterioration and erosion from air currents.

E. EVAPORATOR/CONDENSER / HOT WATER COILS (OPTIONAL)

Coils are of the corrugated fin-and-tube type, constructed of seamless copper tubes, mechanically bonded to Aluminum fins. **As an option**, Corrugated copper or coated aluminum Fins may be provided. End plates and tube support sheets are 18 gauge galvanized steel, formed to provide structural strength. Each coil is pressure tested in the factory at not less than 300 psi (2070 kPa) air pressure.

F. AIR COOLED CONDENSING SECTIONS

1. Fans are propeller type, direct drive, upward discharge through tooled formed venturi, provided with protective grilles mounted on top panel within the unit casing.
2. Motors are totally enclosed air-over type. Motors are firmly Fixed in motor mount.
3. Each compressor has separate condenser coil with safety controls. High, low oil pressure gauges, sight glass, filter drier, compressor Discharge / suction rotolock valve, discharge line muffler and vibration eliminator (for semi-hermetic compressors only) are standard on all models.

STANDARD SPECIFICATIONS

G. EVAPORATOR SECTION

DRAIN PAN :

Drain pan is provided under the cooling coil and shall incorporate Coupling connection on both ends. The drain pan is made of G-90 galvanized steel with mastic coated liner for additional corrosion protection. **As an option,** stainless steel drain pan may be provided.

EVAPORATOR FANS:

Fans are of centrifugal type with forward curved blades capable of handling Total required airflow & static pressure in the published ranges. The choices of fan section configurations are top, bottom and front supply air arrangements to provide optimum installation flexibility. Fan drive is through adjustable pitch pulleys and V-belt drive. Blower motor is mounted on anti - vibration pads on adjustable base and secured by locking device. alignment and tensioning can be done in the field without moving the motor from the base frame. Blower housing and motor are mounted on vibration pads . Pillow block bearings are selected. Shaft is turned , ground and polished from solid steel. Fans and pulleys are keyed to shafts and design for continuous operation at maximum motor horse power and fan speed. All rotating components assemblies are statically and dynamically balanced and every unit is vibration tested before shipment from the factory.

H. MIXING BOX

The standard mixing box has top, bottom or front return air arrangement with fresh air opening is always from the side of the unit. Two inch thick filter racks are provided as standard on all models. Large mixing box is available as an option for 100% side return air and economizer application. Additional accessories such as return and fresh air dampers and rain hood can be provided.

OPTIONS AND ACCESSORIES

A. FAN CYCLE SWITCH HEAD PRESSURE CONTROL

The capacity of air cooled condensers vary with the difference between condensing temperature and condenser entering air temperature (ambient temperature). It increases as this difference increases. For a given capacity, a drop in the ambient temperature will lower the condensing temperatures and if the ambient temperature drops below a given limit, head pressure control is required.

Control shall be set for a minimum of $95\frac{1}{2}$ °F($35\frac{1}{2}$ °C) saturated refrigerant condensing temperature, or to suit the specified application.

B. PUMP DOWN SOLENOID VALVE

A pump down solenoid valve may be installed in the liquid line. When the room thermostat is satisfied, the valve closes and the compressor continues to run until a substantial portion of the refrigerant has been pumped out from the evaporator. The low pressure switch will cycle of f the compressor at a predetermined evaporator pressure.

C. UNDER VOLTAGE MONITOR (UVM)

UVM combines voltage monitoring with short cycle protection. When the power drops below safe limits, the control relays turns off all the equipment and time delay begins . Momentary power failure or thermostat interruption will start time delay period.

D. ADJUSTABLE HIGH PRESSURE SWITCH (HPS)

The standard HPS is permanently set to open at 450 psig. Depending on customer specifications, an adjustable high pressure switch may be provided. Typical pressure settings are shown in table below. The settings may be field adjusted to suit applications on adjustable type.

OPEN	CLOSE
450 ± 10 Psig	360 ± 15 Psig

E. ADJUSTABLE LOW PRESSURE SWITCH (LPS)

The standard LPS is permanently set to open at 25 psig. Depending on customer specifications, an adjustable Low pressure switch may be provided. Typical pressure settings are shown in table below. The settings may be field adjusted to suit applications on adjustable type.

OPEN	CLOSE
25 ± 5 Psig	50 ± 5 Psig

F. CAPACITY CONTROL

- 1). Hot gas bypass is available as an options.
- 2). On semi -hermetic compressors, capacity control is achieved by cylinder unloading.

G. MECHANICAL OPTION

- 1). Discharge gas sensor.
- 2). Condenser pressure relief valve

OPTIONS AND ACCESSORIES

H. ZONE CONTROL

Total comfort Zone control systems are available up to 4 zones and can provide a comfortable temperature to each zone/room.

I. ROOF CURB

Roof Curb accessory is shipped disassembled. It is made from 14 gauge galvanized steel with wood nailer strip and capable of supporting entire unit weight. The roof curb size is standard for all models, can be ordered and installed by the contractor early in the construction stage itself for installing and securing the ductwork to the curb prior to unit mounting.

J. ECONOMIZER

The economizer permits low - cost operation by utilizing cool outdoor air for free cooling. A damper on the economizer controls the amount of outdoor air and on closed position it provides a leak proof seal. It can easily be adjusted for 100% outdoor air, 100% return air or any proportions of mixed air.

K. SOLID STATE ECONOMIZER AND ENTHALPY CONTROLS

Economizer utilizes cool outside air to satisfy cooling load to minimize energy consumption by maintaining poise between outside air intake and compressor operation when required as per load demand.

- The Economizer is operative either by a dry bulb Outdoor Air Thermostat (OAT) or a Solid State Enthalpy Controller (EC) to sense the outdoor air temperature.

OPERATIONAL DETAILS :

Economizer operation is governed by outdoor temperature and unit OAT setting.

Outdoor Temperature > Outdoor Air Thermostat (OAT) setting:

If the thermostat calls for cooling, the Economizer damper moves to minimum position, simultaneously blower motor, compressor 1 & fan motors would start.

If further cooling is required, compressor 2 also starts with a time delay. After the thermostat is satisfied the compressors are staged out. The controls moves the damper automatically to closed position simultaneously the blower is also Shutdown.

L. ENTHALPY SENSOR

The solid state enthalpy sensor is capable of accurately sensing outdoor air enthalpy content (temperature & humidity) and controlling the economizer damper for the minimum heat content introduce to the evaporator coil. Thereby, providing an efficient, economical system operation.

M. MANUAL DAMPER

Manual damper package consists of damper , birdscreen and rainhood which can be adjusted to admit up to 50% outdoor air for year round ventilation.

N. ELECTRIC HEATERS

Electric heaters are of the resistance open coil type. Electrical characteristics, kW capacities and number of stages are as indicated. Thermal cut- outs, fusible links and airflow switches are provided to shut - off power to heaters in case of airflow failure.

O. FILTERS

Filters can be easily accessible through the filter access panel. The unit shall have provision to mount 2" thick filters. Filters are aluminum and are field supplied.

OPTIONS AND ACCESSORIES

P. ELECTRONIC THERMOSTATS

General Informations: Two stage thermostat provide low voltage control of two stage heating and /or cooling applications. The thermostat normally displays room temperature , mode of operation and which system is currently on.

You may select different heating and cooling setpoints for the systems to maintain. Raising or lowering the Setpoints in heating or cooling is as simple as pushing a button. The thermostat is best located about 1500 mm (5 Ft.) above floor level, on a partition wall (not an outside wall), and should not be exposed to direct light from lamps, sun etc. It should be in return air stream, away from supply air registers / diffusers.

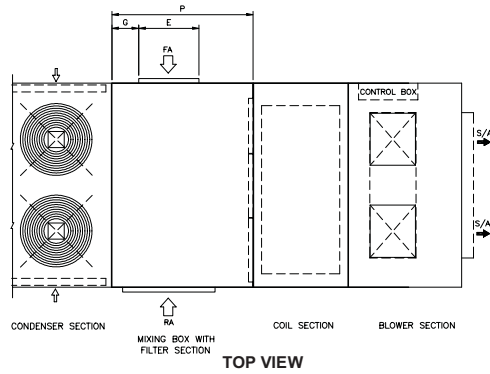
STANDARD FEATURES / OPTIONS / ACCESSORIES

DESCRIPTION	STANDARD FEATURES	OPTION (FACTORY INSTALLED)	ACCESSORY (FIELD INSTALLED)
Scroll compressors (for OCPUA 240,300 & 360)	<input type="checkbox"/>		
Semi-hermetic compressors (for OCPUA 240, 300 & 360)		<input checked="" type="checkbox"/>	
Semi-hermetic compressors (for OCPUA 420 and above)	<input type="checkbox"/>		
Compressor crankcase heaters	<input type="checkbox"/>		
Evaporator fan-belt driven, centrifugal type	<input type="checkbox"/>		
Evaporator fan motor - ODP type (type -optional)	<input type="checkbox"/>		
Condenser fan - direct drive, propeller type	<input type="checkbox"/>		
Condenser fan motor - totally enclosed air-over type	<input type="checkbox"/>		
Electric heaters		<input checked="" type="checkbox"/>	
Filter drier	<input type="checkbox"/>		
Discharge muffler		<input checked="" type="checkbox"/>	
Drain connection, both sides	<input type="checkbox"/>		
Filter (2" thick) aluminum			<input type="checkbox"/>
Compressor overload protection	<input type="checkbox"/>		
Low pressure switch	<input type="checkbox"/>		
High pressure switch	<input type="checkbox"/>		
Anti-ice thermostat		<input checked="" type="checkbox"/>	
Pump down solenoid valve		<input checked="" type="checkbox"/>	
Low ambient option (fan cycling switch)		<input checked="" type="checkbox"/>	
Sight glass	<input type="checkbox"/>		
Thermostatic expansion valve	<input type="checkbox"/>		
Cooling / cooling & heating thermostat			<input type="checkbox"/>
Coil guard		<input checked="" type="checkbox"/>	
Condenser fan guard	<input type="checkbox"/>		
Roof curb			<input type="checkbox"/>
Economizer		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manual outside air damper with hood & pre-filters		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enthalpy sensor			<input type="checkbox"/>
High/low/oil pressure gauges	<input type="checkbox"/>		
Hot gas bypass		<input checked="" type="checkbox"/>	
Compressor circuit breakers		<input checked="" type="checkbox"/>	
Discharge and suction shut off valves	<input type="checkbox"/>		
Volt free contact		<input checked="" type="checkbox"/>	
Drip eliminator		<input checked="" type="checkbox"/>	

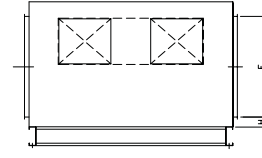
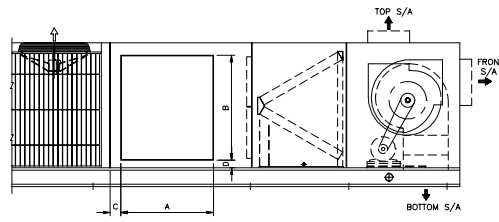
FAN ARRANGEMENT

FRONT FAN ARRANGEMENT (SIDE RETURN AIR SECTION)

MODEL No.: OCPUA 240 - OCPUA 840



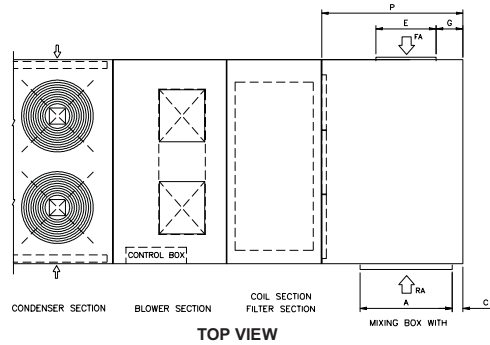
DIMENSIONS	ARRANGEMENT		
	OCPUA240/300 360/420	OCPUA 480/600	OCPUA 720/840
A x B	27x46	42x45	42x45
C	3.062	4.25	4.25
D	3.75	4	4
E x F	8x46	15x44	20x44
G	18.5	17.5	15
H	3.75	3	3
P	45	60	60



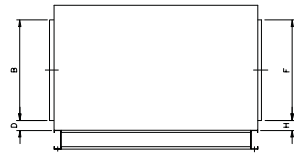
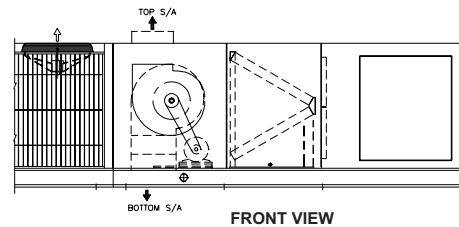
Note: All dimensions are in inches unless otherwise noted.

MIDDLE FAN ARRANGEMENT (SIDE RETURN AIR SECTION)

MODEL No.: OCPUA 240 - OCPUA 840



DIMENSIONS	ARRANGEMENT		
	OCPUA240/300 360/420	OCPUA 480/600	OCPUA 720/840
A x B	27x46	42x45	42x45
C	3.062	4.25	4.25
D	3.75	4	4
E x F	8x46	15x44	20x44
G	18.5	17.5	15
H	3.75	3	3
P	45	60	60

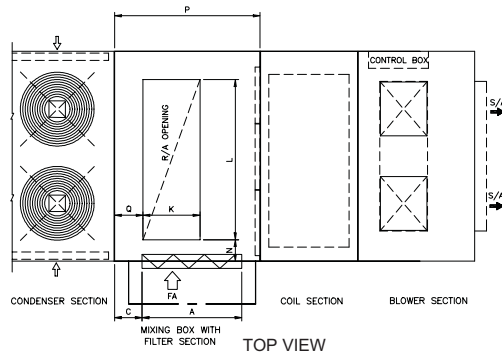


Note: All dimensions are in inches unless otherwise noted.

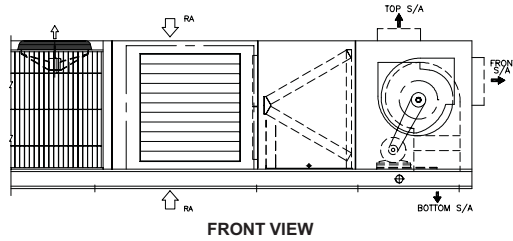
FAN ARRANGEMENT

FRONT FAN ARRANGEMENT (ECONOMIZER SECTION)

MODEL No.: OCPUA 240 - OCPUA 840



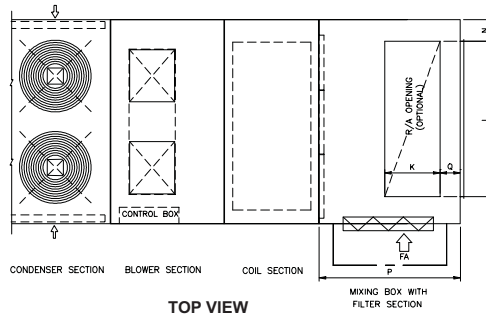
DIMENSIONS	ARRANGEMENT		
	OCPUA 240/300/360/420	OCPUA 480/600	OCPUA 720/840
A x B	27x46	41x43	41x43
C	3	5	5
D	3.75	3	3
K x L	17x72	23.5x66	28.5x66
Q	3.562	5	5
N	4	9	9
R	28.532	27.5	27.5
P	45	60	60



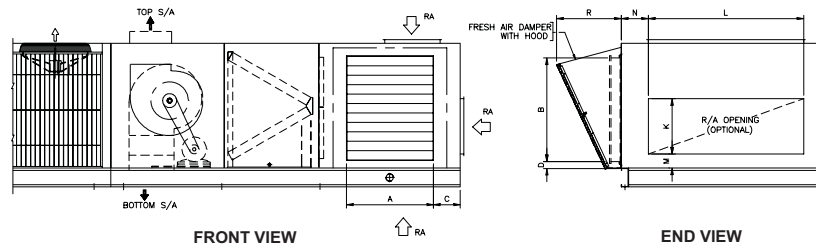
Note: All dimensions are in inches unless otherwise noted.

MIDDLE FAN ARRANGEMENT (ECONOMIZER SECTION)

MODEL No.: OCPUA 240 - OCPUA 840



DIMENSIONS	ARRANGEMENT		
	OCPUA 240/300/360/420	OCPUA 480/600	OCPUA 720/840
A x B	27x46	41x43	41x43
C	3	5	5
D	3.75	3	3
K x L	17x72	23.5x66	28.5x66
M	18	5	5
N	4	9	9
Q	3.563	5	5
R	28.532	27.5	27.5
P	45	60	60



Note: All dimensions are in inches unless otherwise noted.

FAN ARRANGEMENT

BAG FILTERS

A Bag Filter Section can also be fitted to enhance air filtration as may be desired.

BAG FILTER / PRE FILTER SIZES

UNIT MODEL NO.	BAG FILTER SIZE, INCH (HEIGHT x WIDTH x DEPTH)	PRE FILTER SIZE, INCH (HEIGHT x WIDTH x DEPTH)	QUANTITY, EACH
OCPUA 240/300	24 x 24 x 22	24 x 24 x 2	3
OCPUA 360/420	12 x 24 x 22	12 x 24 x 2	1
OCPUA 480/600	20 x 24 x 22	20 x 24 x 2	3
OCPUA 720/840	24 x 24 x 32	24 x 24 x 2	3
	12 x 24 x 32	12 x 24 x 2	1
	20 x 24 x 32	20 x 24 x 2	3

DRIP ELIMINATOR

If the velocity across the coil is above 600 FPM, eliminator is recommended. Eliminators are made of plastic material. Eliminator section is placed between coil and blower section. This arrangement eliminates water carry over.

FILTER SIZES

A. STANDARD MIXING BOX APPLICATION

MODEL	SECTION	UNIT FILTER			FRESH AIR HOOD FILTER		
		QTY.	SIZE	PART#	QTY.	SIZE	PART#
OCPUA 240/300 /360/420	STANDARD MIXING BOX		10 "x42 "x1 "	800 - 248 - 31		10 "x25 "x1"	800 - 249 - 17
OCPUA 480 AND ABOVE	STANDARD MIXING BOX		10-3/4 "x25-7/8 "x2"	800-248-95		19-1/2 "x24-1/2 "x1"	800 - 249 - 32

B. SIDE RETURN AIR APPLICATION

MODEL	SECTION	UNIT FILTER			FRESH AIR HOOD FILTER		
		QTY.	SIZE	PART #	QTY.	SIZE	PART #
OCPUA 240/300 /360/420	SIDE RETURN AIR		20 "x20 "x2"	800-248-15		10 "x25 "x1"	800-249-17
			20 "x24 "x2"	800-248-14			
			16 "x20 "x2"	800-248-16			
			16 "x32 "x2"	800-248-48			
OCPUA 480 AND ABOVE	SIDE RETURN AIR		22-1/4 "x25-7/8" x2"	800-248-49		19-1/2 "x24-1/2 "x1"	800-249-32

C. ECONOMIZER APPLICATION

MODEL	SECTION	UNIT FILTER			FRESH AIR HOOD FILTER		
		QTY.	SIZE	PART#	QTY.	SIZE	PART#
OCPUA240/300 /360/420	ECONOMIZER		20 "x20 "x2"	800-248-15		10 "x25 "x1"	800 - 249 - 17
			20 "x24 "x2"	800-248-14			
			16 "x20 "x2"	800-248-16		12 "x25 "x1"	800 - 249 - 19
			16 "x32 "x2"	800-248-48			
OCPUA 480 AND ABOVE	ECONOMIZER		22-1/4 "x25-7/8" x2"	800-248-49		23-1/8"x24-1/2 "x1"	800 - 249 - 33

NOT : All filter sizes are nominal sizes and may changed .

PHYSICAL DATA -60Hz

MODEL NUMBER		OCPUA240	OCPUA300	OCPUA360	OCPUA420	OCPUA480	OCPUA600	OCPUA720	OCPUA840	
NOMINAL CAPACITY, TONS* - Scroll/Semi-hermetic	1	20.5/20.25	26.3/26.25	30.6/31.5	36.2	41.7	50.25	61.25	70.5	
NOMINAL CAPACITY, TONS* - Scroll/Semi-hermetic	2	19/18.4	24.2/23.8	28.1/28.7	33	38	45.8	56	64.5	
TOTAL UNIT POWER INPUT, kW* - Scroll/Semi-hermetic	1	25.8/27.7	31.7/39.7	35.5/43.5	49	57.7	72.9	92.1	104.7	
TOTAL UNIT POWER INPUT, kW* - Scroll/Semi-hermetic	2	30.5/32.2	37.7/45.8	42.1/50.4	56.1	65.8	83.5	104	120.3	
EER (ENERGY EFFICIENCY RATIO) - Scroll/Semi-hermetic	1	9.5/8.7	10/7.9	10.3/8.7	8.9	8.7	8.3	8	8.1	
EER (ENERGY EFFICIENCY RATIO) - Scroll/Semi-hermetic	2	7.4/6.9	7.7/6.2	8/6.8	7.1	6.9	6.6	6.5	6.4	
COMPRESSOR	Type(standard)	Scroll	Scroll	Scroll	Semi-hermtic					
	Oil persystem, oz	Scroll	110	135	223	-	-	-	-	-
		Semi-hermetic	106	106	106	141	158	158	167	167
	Refrigerant	R -22								
	Charge per system(oz)	360	450	540	630	720	900	1080	1260	
CONDENSER FAN	Type	Propeller								
	Diameter(inch)	30	30	30	30	30	30	30	30	
	Nominal CFM	15200	15200	22800	22800	30400	30400	38000	45600	
	Motor HP - RPM	1.5-1100	1.5-1100	1.5-1100	1.5-1100	1.5-1100	1.5-1100	1.5-1100	1.5-1100	
CONDENSER COIL	Type	Corrugated fin & tube								
	Tube Dia.	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
	Total face area (Sq. ft)	28	28	46.66	46.66	56	56	70	70	
EVAPORATOR BLOWER	Type	Centrifugal & V-Belt drive								
	Size (inch)	18x18	18x18	18x18	22x22	22x22	22x22	25x25	25x25	
	Nominal CFM	7000	9000	10500	12000	14000	16000	19500	22000	
	Motor HP,Std./Alt.	7.5/10	7.5/10	7.5/10/15	10/15	10/15/20	15/20/25	15/20/25	20/25	
	Fan RPM range	700-1200	700-1200	700-1200	700-1200	700-1200	700-1200	700-1200	700-1200	
EVAPORATOR COIL	Type	Corrugated fin & tube								
	Tube Dia.	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
	Total face area (Sq.ft)	22	22	24	24	31.11	31.11	40	40	
HIGH PRESSURE SWITCH	Open (PSIG)	450±10	450±10	450±10	450±10	450±10	450±10	450±10	450±10	
	Close(PSIG)	360±15	360±15	360±15	360±15	360±15	360±15	360±15	360±15	
LOW PRESSURE SWITCH	Open (PSIG)	25± 5	25± 5	25± 5	25± 5	25± 5	25± 5	25± 5	25± 5	
	Close(PSIG)	50± 5	50± 5	50± 5	50± 5	50± 5	50± 5	50± 5	50± 5	
SHIPPING WEIGHT,Kg		1500	1600	1950	2000	2500	2655	3200	3500	

* 1. Cooling capacity & power input data@80°F DB/67°F WB indoor and 95°F DB outdoor (ambient) temperature.
 2. Cooling capacity & power input data@80°F DB/67°F WB indoor and 115°F DB outdoor (ambient) temperature.



PACKAGED UNIT
OMRAN TAHVIEH

PHYSICAL DATA -50Hz

MODEL NUMBER		OCPUA240	OCPUA300	OCPUA360	OCPUA420	OCPUA480	OCPUA600	OCPUA720	OCPUA840	
NOMINAL CAPACITY, TONS* - Scroll/Semi-hermetic	1	20.8/20.7	25.3/25	28.4/31.8	36	42.2	50	61.4	70.8	
NOMINAL CAPACITY, TONS* - Scroll/Semi-hermetic	2	19.2/18.8	23.2/22.6	26.2/29	32.7	38.4	45.5	56	65	
TOTAL UNIT POWER INPUT, kW* - Scroll/Semi-hermetic	1	26.8/27	31/33.9	29/42.1	49	58.4	66.7	87	101.9	
TOTAL UNIT POWER INPUT, kW* - Scroll/Semi-hermetic	2	31.8/32	36.8/39.1	34.4/48.1	55.8	67.4	75.6	100.3	115.4	
EER (ENERGY EFFICIENCY RATIO) - Scroll/Semi-hermetic	1	9.3/9.2	9.8/8.8	11.7/9	8.8	8.6	8.9	8.4	8.4	
EER (ENERGY EFFICIENCY RATIO) - Scroll/Semi-hermetic	2	7.2/7.1	7.5/6.9	9.1/7.2	7	6.8	7.2	6.7	6.8	
COMPRESSOR	Type(standard)	Scroll	Scroll	Scroll	Semi-hermetic					
	Oil persystem, oz	Scroll	135	223	223	-	-	-	-	-
		Semi-hermetic	106	106	106	158	158	158	167	167
	Refrigerant	R - 22								
Charge per system(oz)	360	450	540	630	720	900	1080	1260		
CONDENSER FAN	Type	Propeller								
	Diameter(inch)	30	30	30	30	30	30	30	30	
	Nominal CFM	13200	13200	19800	19800	26400	26400	33000	39600	
	Motor HP-RPM	1.5-950	1.5-950	1.5-950	1.5-950	1.5-950	1.5-950	1.5-950	1.5-950	
CONDENSER COIL	Type	Corrugated fin & tube								
	Tube Dia.	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
	Total face area (Sq.ft)	28	28	46.66	46.66	56	56	70	70	
EVAPORATOR BLOWER	Type	Centrifugal & V-Belt Drive								
	Size(inch)	18x18	18x18	18x18	22x22	22x22	22x22	25x25	25x25	
	Nominal CFM	7000	9000	10500	12000	14000	16000	19500	22000	
	Motor HP.Std./Alt	7.5/10	7.5/10	7.5/10/15	10/15	10/15/20	15/20/25	15/20/25	20/25	
	Fan RPM range	700-1200	700-1200	700-1200	700-1200	700-1200	700-1200	700-1200	700-1200	
EVAPORATOR COIL	Type	Corrugated fin & tube								
	Tube Dia	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
	Total face area (Sq.ft)	22	22	24	24	31.11	31.11	40	40	
HIGH PRESSURE SWITCH	Open (PSIG)	450±10	450±10	450±10	450±10	450±10	450±10	450±10	450±10	
	Close(PSIG)	360±15	360±15	360±15	360±15	360±15	360±15	360±15	360±15	
LOW PRESSURE SWITCH	Open (PSIG)	25± 5	25± 5	25± 5	25± 5	25± 5	25± 5	25± 5	25± 5	
	Close(PSIG)	50± 5	50± 5	50± 5	50± 5	50± 5	50± 5	50± 5	50± 5	
SHIPPING WEIGHT, kg.		1500	1600	1950	2000	2500	2655	3200	3500	

* 1. Cooling capacity & power input data @80°F DB/67°F WB indoor and 95°F DB outdoor (ambient) temperature
 * 2. Cooling capacity & power input data @80°F DB/67°F WB indoor and 115°F DB outdoor (ambient) temperature.

SELECTION PROCEDURE

1. Determine cooling and heating capacity requirements at design conditions

Data:

- Condenser entering air temperature : 115°F
- Evaporator entering air temperature : 80°F DB / 67°F WB
- Evaporator airflow : 14,000 CFM
- Required cooling capacity : 420,000 BTUH
- Sensible heat capacity : 300,000 BTUH
- Required heating capacity : 40 KW
- External static pressure : 1.6 INCH WG.
- Power supply (V-Ph-Hz) : 460-3-60
- Unit type : Front fan arrangement (bottom discharge/bottom return)

2. Unit selection based on required cooling capacity

Enter cooling capacity performance data at condenser entering air temp. at 115°F and evaporator entering air temp. 80°F DB, 67°F WB, 14000 CFM airflow. The OCPUA480 unit will give 456,000 BTUH cooling capacity (gross) and 337,000 BTUH sensible heat capacity (gross).

3. Electric heater selection

Heating capacity required = 40 kW.

Enter electric heating table for OCPUA 480 at 460-3-60 power supply. 40 kW heater at 460 volts satisfies the required heating.

4. Determine fan speed and power requirements at design conditions

Before entering the fan performance tables, calculate the summation of external static pressure for the required components as follows.

- External static pressure : 1.6 INCH WG.
- Additional module : NIL
-
- 1.6 INCH WG

Enter fan performance table for OCPUA 480 model. For 14000 CFM and external static pressure of 1.6 INCH WG, it requires 1006 RPM and 12.25 brake horse power (BHP) wherein the standard motor will meet job requirements.

5. Determine input power to motor

Use fan motor efficiency table.

$$\text{Blower motor watts} = \frac{\text{BHP} \times 746 \text{ watts}}{\text{Motor efficiency}} = \frac{12.25 \times 746}{0.91} = 10,042 \text{ watts}$$

6. Determine net capacities

Above capacities are gross and do not include blower motor heat gain.

Determine net capacities as follows:

- Net cooling capacity = Gross cooling capacity - blower motor heat
= 456,000 - (10,042 WATTS x 3.413 BTUH/WATTS) = 421,727 BTUH
- Net sensible capacity = 337,000 - (10,042 WATTS x 3.413 BTUH/WATTS) = 302,727 BTUH

7. Altitude correction factors for cooling capacity

ALTITUDE, FT.		2000	4000	6000	8000	10000
FACTOR	Total capacity	0.98	0.96	0.93	0.90	0.88
	Sensible capacity	0.93	0.86	0.80	0.75	0.70



PACKAGED UNIT OMRAN TAHVIEH

COOLING CAPACITIES - 60Hz

(Scroll compressor units) Model - OCPUA 240

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		5600/0.098			7000/0.125			8400/0.140		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	225.1	245.5	266.7	234.1	254.9	277.3	240.9	261.6	285.2
	SC	182.9	154.1	124.5	205.9	171.0	135.7	227.7	186.9	146.2
	kW	22.47	22.77	23.06	23.59	23.87	24.19	24.65	24.94	25.30
95	TC	217.6	237.5	258.0	226.2	246.5	268.2	232.7	252.9	275.7
	SC	179.7	151.0	121.6	202.8	167.9	132.8	221.6	183.8	143.3
	kW	24.46	24.74	25.06	25.57	25.85	26.22	26.62	26.93	27.35
105	TC	210.3	228.9	248.9	218.3	237.3	258.5	223.8	243.4	265.7
	SC	176.7	147.8	118.5	199.6	164.7	129.7	213.2	180.5	140.3
	kW	26.62	26.94	27.30	27.73	28.06	28.48	28.80	29.14	29.62
115	TC	202.1	219.8	239.3	209.4	227.7	248.6	214.5	233.4	255.5
	SC	173.2	144.4	115.3	196.1	161.2	126.6	204.3	177.1	137.2
	kW	29.00	29.35	29.76	30.12	30.48	30.97	31.19	31.58	32.12
125	TC	193.2	210.2	229.2	199.9	217.5	238.1	204.5	222.9	244.7
	SC	169.6	140.8	112.0	190.4	157.6	123.3	194.8	173.5	133.9
	kW	31.60	31.99	32.47	32.73	33.14	33.69	33.81	34.24	34.86

Model - OCPUA 300

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		7200/0.064			9000/0.075			10800/0.095		
		EVAPORATOR ENTERING AIR, WBE °F								
		62	67	72	62	67	72	62	67	72
85	TC	290.3	316.0	342.9	302.2	328.3	357.0	310.1	337.3	367.4
	SC	244.0	204.2	163.7	276.8	228.3	179.6	295.3	251.3	194.8
	kW	27.52	27.94	28.46	28.77	29.20	29.81	29.94	30.40	31.10
95	TC	280.6	304.8	331.0	291.5	316.4	344.5	299.1	324.8	354.6
	SC	239.9	200.0	159.7	272.5	224.0	175.6	284.8	247.0	190.9
	kW	30.02	30.50	31.07	31.27	31.77	32.45	32.45	32.99	33.77
105	TC	269.9	293.0	318.6	279.9	303.9	331.5	287.0	311.8	341.2
	SC	235.4	195.6	155.5	266.5	219.5	171.5	273.3	242.5	186.8
	kW	32.79	33.31	33.96	34.05	34.61	35.38	35.24	35.84	36.72
115	TC	258.4	280.5	305.6	267.6	290.7	318.0	274.0	298.2	327.2
	SC	230.7	190.9	151.3	254.8	214.9	167.3	261.0	237.9	182.6
	kW	35.83	36.40	37.15	37.09	37.72	38.60	38.29	38.97	39.97
125	TC	246.1	267.3	292.1	254.4	276.9	304.0	260.3	284.0	312.8
	SC	225.7	186.1	146.9	242.3	210.1	163.0	247.9	233.1	178.3
	kW	39.13	39.77	40.62	40.41	41.11	42.11	41.61	42.39	43.52

Model - OCPUA 360

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		8400/0.032			10500/0.045			12600/0.058		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	337.8	366.9	397.3	351.5	380.3	413.9	360.0	389.7	426.0
	SC	279.4	234.2	188.1	316.1	260.8	206.0	342.8	286.2	223.0
	kW	31.46	31.63	31.85	32.65	32.79	33.17	33.76	33.93	34.48
95	TC	326.3	353.7	383.8	339.1	366.7	400.4	346.9	375.8	412.2
	SC	274.5	229.2	183.5	311.0	255.9	201.6	330.4	281.3	218.8
	kW	34.17	34.34	34.67	35.32	35.51	36.06	36.43	36.68	37.43
105	TC	314.4	339.9	370.0	325.5	352.4	386.3	332.7	361.1	398.1
	SC	269.5	224.0	178.9	305.6	250.7	197.2	316.8	276.3	214.5
	kW	37.18	37.40	37.85	38.35	38.60	39.32	39.46	39.81	40.73
115	TC	301.5	325.7	355.9	311.4	337.5	371.9	318.1	346.0	383.6
	SC	264.1	218.6	174.2	296.6	245.5	192.6	303.0	271.1	210.1
	kW	40.55	40.80	41.41	41.71	42.05	42.95	42.83	43.29	44.41
125	TC	287.7	310.9	341.3	296.7	322.4	357.3	302.7	330.5	368.8
	SC	258.5	213.2	169.4	282.6	240.1	188.1	288.3	265.8	205.6
	kW	44.24	44.55	45.34	45.41	45.86	46.96	46.55	47.14	48.48

TC - Total Capacity (1000 Btu/h) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btu/h) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

- NOTES: 1. Direct interpolation is permissible - Do not extrapolate.
 2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
 3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btu/h) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].

COOLING CAPACITIES - 60Hz

(Semi-hermetic compressor units)

Model- OCPUA 240

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		5600/0.098			7000/0.125			8400/0.140		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	222	239	260	232	253	275	240	259	280
	SC	178	150	116	202	173	138	217	183	144
	kW	23.3	23.8	24.5	25.0	25.6	26.3	26.6	27.2	27.9
95	TC	213	230	250	223	243	264	230	247	268
	SC	174	148	115	198	170	136	211	178	142
	kW	25.1	25.8	26.6	26.9	27.7	28.6	28.5	29.3	30.2
105	TC	204	220	239	212	232	251	219	236	255
	SC	169	145	114	191	165	133	204	174	139
	kW	27.0	27.8	28.9	28.8	29.9	31.0	30.6	31.5	32.7
115	TC	195	210	228	202	221	239	208	225	243
	SC	165	141	112	185	161	130	197	169	135
	kW	29.0	30.0	31.4	30.9	32.2	33.6	32.7	33.9	33.3
125	TC	184	199	217	192	209	227	197	212	230
	SC	159	138	110	180	156	128	191	163	133
	kW	31.1	32.4	33.9	33.1	34.7	36.3	35.0	36.4	38.0

Model- OCPUA 300

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		7200/0.064			9000/0.075			10800/0.095		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	292	314	340	306	328	356	315	339	366
	SC	233	204	167	260	223	179	296	257	201
	kW	34.3	35.3	36.5	35.9	36.9	38.2	38.2	39.2	40.6
95	TC	280	301	327	293	315	341	302	324	350
	SC	226	200	165	254	219	176	288	251	198
	kW	36.7	37.9	39.5	38.4	39.7	41.3	40.8	42.1	43.8
105	TC	268	288	312	280	301	325	288	309	334
	SC	220	196	162	247	213	172	279	244	194
	kW	39.3	40.8	42.6	41.1	42.7	44.5	43.5	45.2	47.1
115	TC	256	275	297	266	286	309	273	294	317
	SC	213	191	159	239	207	168	269	236	188
	kW	42.0	43.8	45.9	43.9	45.8	48.0	46.5	48.4	50.6
125	TC	243	260	282	252	271	292	258	278	300
	SC	207	186	156	231	201	165	260	229	184
	kW	44.9	47.0	49.4	46.9	49.1	51.5	49.5	51.7	54.2

Model- OCPUA 360

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		8400/0.032			10500/0.045			12600/0.058		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	351	377	409	367	394	427	378	406	439
	SC	272	238	197	315	263	212	336	288	227
	kW	37.8	38.7	39.9	39.3	40.3	41.5	41.6	42.6	43.8
95	TC	337	362	392	352	378	410	362	389	420
	SC	266	234	199	308	257	209	328	281	223
	kW	40.6	41.7	43.2	42.3	43.5	45.0	44.6	45.8	47.4
105	TC	323	347	375	336	362	391	345	371	401
	SC	259	229	192	299	252	205	318	275	220
	kW	43.6	45.0	46.7	45.3	46.8	48.6	47.7	49.4	51.0
115	TC	308	331	358	320	344	372	328	353	381
	SC	253	223	188	290	245	201	307	266	214
	kW	46.71	48.4	50.4	48.6	50.4	52.4	51.0	52.8	54.9
125	TC	292	314	339	303	326	352	311	334	360
	SC	244	216	184	279	237	196	295	257	208
	kW	50	51.9	54.2	52.0	54.0	56.3	54.5	56.6	58.9

TC - Total Capacity (1000 Btu/h) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btu/h) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

NOTES : 1. Direct interpolation is permissible - Do not extrapolate.
 2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
 3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btu/h) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].



PACKAGED UNIT
OMRAN TAHVIEH

COOLING CAPACITIES - 60Hz

(Semi-hermetic compressor units)

Model- OCPUA 420

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		9600/0.040			12000/0.052			14400/0.062		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	404	434	470	421	452	489	430	462	499
	SC	325	275	225	364	315	241	376	336	265
	kW	42.3	43.7	45.5	44.0	45.5	47.4	46.5	48.1	49.8
95	TC	389	417	452	404	434	469	412	443	476
	SC	318	270	222	355	308	237	366	328	261
	kW	45.4	47.0	49.0	47.3	49.0	50.9	49.8	51.5	53.4
105	TC	373	400	432	387	415	449	395	424	457
	SC	311	265	220	346	301	233	357	321	256
	kW	48.7	50.4	52.6	50.6	52.5	54.6	53.1	55.0	57.2
115	TC	356	382	413	369	396	428	376	404	435
	SC	302	259	216	336	294	229	345	311.4	250
	kW	52.0	54.0	56.3	54.0	56.1	58.4	56.5	58.6	61.0
125	TC	239	363	392	350	376	406	356	383	413
	SC	294	253	212	325	286	225	334	303	246
	kW	55.5	57.7	60.2	57.5	59.8	62.4	60.1	62.4	64.9

Model- OCPUA 480

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		11000/0.033			14000/0.045			16800/0.058		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	461	495	538	484	520	562	498	535	578
	SC	359	309	248	427	354	285	470	372	305
	kW	50.2	51.7	53.5	52.3	53.9	55.7	56.1	57.7	59.6
95	TC	396	476	517	465	500	540	478	513	554
	SC	316	307	248	419	350	284	461	367	303
	kW	53.8	55.5	57.5	55.9	57.7	59.8	59.8	61.6	63.7
105	TC	426	457	495	445	479	517	457	491	530
	SC	348	303	248	410	345	281	449	360	299
	kW	57.5	59.4	61.7	59.7	61.7	64.0	63.6	65.7	68
115	TC	407	437	473	424	456	492	437	468	504
	SC	340	298	245	398	337	278	435	352	296
	kW	61.3	63.4	65.9	63.6	65.8	68.3	67.5	69.8	72.4
125	TC	387	416	450	403	433	467	413	444	478
	SC	331	292	248	388	330	273	409	344	290
	kW	65.2	67.5	70.3	67.6	70	72.8	71.6	74.2	76.9

Model- OCPUA 500

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		14000/0.046			16300/0.052			19500/0.068		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	571	613	665	584	627	679	597	641	694
	SC	472	398	327	502	419	337	530	453	399
	kW	63.3	65.3	67.7	65.9	67.9	70.3	68.4	70.5	72.9
95	TC	549	590	639	561	603	652	573	616	665
	SC	462	392	324	491	412	334	517	443	392
	kW	67.9	70.1	72.9	70.5	72.9	75.7	73.1	75.5	78.4
105	TC	526	565	611	537	577	624	548	589	636
	SC	450	384	319	478	403	329	503	433	385
	kW	72.6	75.3	78.4	75.4	78.1	81.3	78.1	80.8	84.0
115	TC	502	539	583	512	550	594	522	561	605
	SC	439	376	315	465	394	324	488	423	377
	kW	77.6	80.6	84.2	80.4	83.5	87.1	83.2	86.3	89.8
125	TC	478	513	553	487	522	563	496	532	573
	SC	426	367	309	450	384	317	472	410	367
	kW	82.8	86.2	90.3	85.7	89.1	93.1	89.0	92.0	96.0

TC - Total Capacity (1000 Btu/h) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btu/h) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

NOTES :

1. Direct interpolation is permissible - Do not extrapolate.
2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btu/h) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].



PACKAGED UNIT
OMRAN TAHVIEH

COOLING CAPACITIES - 60Hz

(Semi-hermetic compressor units)

Model- OCPUA 720

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		16800/0.043			19500/0.051			23400/0.062		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	695	745	807	714	766	828	731	784	847
	SC	567	479	392	614	513	407	669	551	434
	kW	80.2	82.7	86	83.5	86.2	89.6	86.2	88.96	92.2
95	TC	668	716	775	686	735	795	701	752	812
	SC	554	471	388	600	503	544	652	540	428
	kW	85.7	88.6	92.3	89.1	92.1	95.8	91.8	94.9	98.5
105	TC	640	686	742	656	704	760	670	719	776
	SC	541	461	383	584	492	396	634	527	420
	kW	91.2	94.6	98.5	94.8	98.5	102.2	97.6	101	105
115	TC	611	655	708	626	671	724	639	685	738
	SC	525	451	375	566	480	388	613	507	411
	kW	97.2	100	105	101	104	109	104	107	112
125	TC	581	623	672	594	637	687	606	649	699
	SC	508	437	366	546	464	378	591	495	400
	kW	103	107	112	107	111	116	110	114	119

Model- OCPUA 840

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		20000/0.052			22000/0.068			24000/0.065		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	807	866	940	956	879	954	829	890	964
	SC	649	568	466	783	576	464	747	626	479
	kW	91.8	94.7	98.4	94.4	97.4	101.1	94.9	97.9	105.7
95	TC	777	834	904	788	846	917	797	855	926
	SC	633	559	462	657	567	459	729	614	473
	kW	98.5	102	106.2	101.2	104.7	109.0	101.7	105.3	113.6
105	TC	745	800	866	756	811	878	764	820	885
	SC	618	549	455	642	556	453	711	601	465
	kW	105.5	109.5	114.4	108.3	112.3	117.2	108.8	113	121.9
115	TC	712	764	827	722	774	837	729	782	845
	SC	602	536	447	624	542	445	690	585	457
	kW	112.9	117.4	122.8	115.7	120.3	125.8	116.3	121	130.5
125	TC	677	727	785	686	736	795	693	743	803
	SC	585	523	439	605	529	436	668	570	448
	kW	120.6	125.7	131.7	123.5	128.6	134.7	124.1	129.4	139.4

TC - Total Capacity (1000 Btuh) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btuh) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

NOTES : 1. Direct interpolation is permissible - Do not extrapolate.
 2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
 3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btuh) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].

COOLING CAPACITIES - 50Hz

(Semi-hermetic compressor units)

Model- OCPUA 240

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		5600/0.098			7000/0.125			8400/0.140		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	227.8	248.7	270.2	237.5	258.3	280.9	244.1	265.6	288.7
	SC	184.1	155.3	125.7	207.4	172.2	136.9	229.0	188.3	147.3
	kW	23.19	23.56	23.89	24.34	24.69	25.06	25.43	25.76	26.21
95	TC	220.6	240.6	261.2	229.8	249.7	271.3	235.9	256.2	278.9
	SC	181.0	152.2	122.7	204.2	169.1	133.8	224.7	185.0	144.3
	kW	25.32	25.68	26.07	26.45	26.82	27.26	27.54	27.91	28.41
105	TC	213.0	231.8	251.6	221.1	240.2	261.4	226.7	246.3	268.5
	SC	177.8	148.8	119.4	200.7	165.7	130.6	215.9	181.6	141.1
	kW	27.64	28.04	28.48	28.79	29.19	29.69	29.88	30.30	30.87
115	TC	204.5	222.3	241.6	211.8	230.1	250.9	217.0	235.9	257.9
	SC	174.2	145.3	116.1	197.0	162.1	127.3	206.7	178.0	137.9
	kW	30.20	30.63	31.13	31.35	31.79	32.37	32.45	32.91	33.56
125	TC	195.3	212.2	231.2	202.0	219.6	240.0	206.7	224.9	246.6
	SC	170.4	141.6	112.7	192.3	158.4	123.9	196.9	174.2	134.5
	kW	32.98	33.45	34.03	34.14	34.64	35.31	35.25	35.78	36.52

Model- OCPUA 300

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		7200/0.064			9000/0.075			10800/0.095		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	281.8	304.9	330.1	292.5	315.8	344.1	299.6	323.9	354.9
	SC	240.4	200.0	159.3	272.9	223.8	175.5	285.3	246.6	191.0
	kW	27.08	27.36	27.82	28.24	28.55	29.24	29.36	29.73	30.62
95	TC	271.7	293.1	318.3	281.0	303.5	332.1	287.5	311.4	342.7
	SC	236.2	195.6	155.4	267.6	219.4	171.7	273.8	242.4	187.3
	kW	29.48	29.80	30.39	30.65	31.04	31.88	31.78	32.26	33.33
105	TC	260.6	280.9	306.2	269.0	290.9	319.9	274.9	298.5	330.3
	SC	231.6	191.1	151.5	256.2	215.0	167.9	261.8	238.0	183.6
	kW	32.16	32.53	33.27	33.34	33.81	34.84	34.48	35.07	36.34
115	TC	248.8	268.2	293.9	256.3	277.8	307.1	261.8	285.3	317.6
	SC	226.8	186.4	147.5	244.1	210.4	164.0	249.3	233.5	179.8
	kW	35.12	35.55	36.47	36.30	36.88	38.11	37.45	38.18	39.66
125	TC	236.4	255.1	281.1	243.0	264.4	294.2	248.0	271.5	304.3
	SC	221.7	181.7	143.4	231.4	205.7	160.1	236.2	228.9	175.8
	kW	38.36	38.88	39.99	39.55	40.26	41.71	40.71	41.60	43.32

Model- OCPUA 360

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		8400/0.032			10500/0.045			12600/0.058		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	314.7	340.5	371.9	325.4	352.8	388.1	332.8	362.0	399.6
	SC	276.6	229.0	182.3	309.9	257.2	201.5	316.9	284.2	219.6
	kW	25.64	25.73	26.08	26.70	26.87	27.44	27.75	27.99	28.75
95	TC	303.1	328.7	359.8	313.4	340.6	375.8	320.0	349.0	387.2
	SC	271.8	224.7	178.3	298.5	252.9	197.7	304.8	279.8	215.9
	kW	27.79	27.91	28.40	28.84	29.08	29.81	29.90	30.25	31.16
105	TC	291.3	316.0	347.6	300.6	327.5	363.3	306.7	335.8	374.6
	SC	267.0	220.0	174.4	286.2	248.3	193.8	292.1	275.3	212.1
	kW	30.17	30.38	31.01	31.26	31.60	32.48	32.34	32.80	33.86
115	TC	278.7	302.8	334.9	287.2	314.1	350.5	293.1	322.2	361.7
	SC	261.9	215.3	170.3	273.6	243.7	189.9	279.1	270.8	208.3
	kW	32.86	33.14	33.92	33.96	34.40	35.44	35.06	35.63	36.86
125	TC	265.5	289.4	322.0	273.5	300.3	337.5	278.9	308.2	348.3
	SC	252.8	210.5	166.2	260.4	239.0	186.0	265.6	266.2	204.4
	kW	35.81	36.20	37.13	36.94	37.50	38.71	38.06	38.76	40.17

TC - Total Capacity (1000 Btu/h) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btu/h) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

NOTES : 1. Direct interpolation is permissible - Do not extrapolate.
 2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
 3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btu/h) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].

COOLING CAPACITIES - 50Hz

(Semi-hermetic compressor units)

Model- OCPUA 240

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		5600/0.098			7000/0.125			8400/0.140		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	228	245	267	238	259	280	246	263	286
	SC	194	164	125	216	184	144	228	184	150
	kW	23.3	23.8	25.8	24.0	25.0	26.0	26.0	27.0	28.0
95	TC	219	235	255	228	248	269	235	253	273
	SC	190	158	123	210	179	142	222	181	146
	kW	25.1	25.8	27.0	26.0	27.0	28.0	28.0	29.0	30.0
105	TC	208	224	244	218	237	256	224	241	260
	SC	183	155	122	204	175	139	216	176	143
	kW	27.0	27.8	28.9	28.0	30.0	32.0	30.0	32.0	33.0
115	TC	200	214	232	207	226	244	212	229	248
	SC	177	150	118	197	170	135	207	170	140
	kW	29.0	30.0	31.0	30.0	32.0	34.0	33.0	34.0	36.0
125	TC	189	204	220	196	213	230	202	216	234
	SC	172	144	119	193	164	141	165	172	140
	kW	31.0	32.0	34.0	33.0	35.0	37.0	35.0	37.0	39.0

Model- OCPUA 300

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		7200/0.064			9000/0.075			10800/0.095		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	280	300	325	291	312	338	299	321	347
	SC	235	204	161	268	228	177	298	251	191
	kW	29.3	30.1	31.1	30.7	31.5	32.5	32.8	33.7	34.8
95	TC	268	288	311	279	300	323	286	307	331
	SC	203	195	158	259	223	174	285	245	187
	kW	31.4	32.4	33.6	32.8	33.9	35.2	35.1	36.2	37.5
105	TC	256	274	298	265	286	308	272	293	315
	SC	223	194	156	252	217	171	271	237	182
	kW	33.6	34.8	36.3	35.2	36.4	38.0	37.5	38.8	40.3
115	TC	244	262	283	253	271	292	258	277	300
	SC	211	189	153	245	209	167	257	229	248
	kW	35.9	37.4	39.1	37.6	39.1	40.9	39.9	41.5	43.3
125	TC	230	248	268	239	256	276	244	263	283
	SC	209	185	150	245	160	162	242	222	172
	kW	38.4	40.1	42.1	40.1	41.9	43.9	42.5	44.4	46.4

Model- OCPUA 360

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		8400/0.032			10500/0.045			12600/0.058		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	354	380	413	370	397	429	380	408	441
	SC	285	248	201	323	277	217	358	304	233
	kW	36.4	37.5	38.9	38.1	39.3	40.7	40.4	41.7	43.1
95	TC	340	366	396	355	381	412	365	391	422
	SC	278	244	196	315	271	214	349	297	231
	kW	39.0	40.4	41.9	40.8	42.1	43.7	43.1	44.6	46.2
105	TC	326	350	379	340	365	394	348	374	403
	SC	272	239	194	306	265	211	338	290	226
	kW	41.7	43.2	44.9	43.5	45.1	46.8	45.9	47.5	49.3
115	TC	312	335	362	324	348	375	332	356	383
	SC	265	233	190	297	258	206	327	281	221
	kW	44.5	46.2	48.1	46.4	48.1	50.0	48.8	50.6	52.5
125	TC	296	318	343	307	329	355	314	338	363
	SC	257	228	187	288	250	202	312	274	216
	kW	47.4	49.2	51.3	49.3	51.2	53.3	51.8	53.7	55.8

TC - Total Capacity (1000 Btu/h) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btu/h) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

NOTES : 1. Direct interpolation is permissible - Do not extrapolate.
 2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
 3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btu/h) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].
 4. Total unit power input based on nominal CFM & 0.4 ESP.



PACKAGED UNIT
OMRAN TAHVIEH

COOLING CAPACITIES - 50Hz

(Semi-hermetic compressor units)

Model- OCPUA 420

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		9600/0.040			12000/0.052			14400/0.062		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	403	432	468	419	450	486	428	459	496
	SC	326	285	227	368	316	299	415	342	264
	kW	42.3	43.7	45.5	44.0	45.5	47.5	46.5	48.1	50.0
95	TC	388	416	450	403	431	465	410	440	474
	SC	319	279	226	401	309	293	402	334	259
	kW	45.4	47.0	49.0	47.3	49.0	50.9	49.8	51.5	53.4
105	TC	370	398	430	385	412	445	392	420	453
	SC	310	274	223	349	301	287	390	324	254
	kW	48.5	50.4	52.6	50.6	52.4	54.6	53.1	54.9	57.2
115	TC	354	379	410	367	392	423	373	400	430
	SC	302	266	219	339	293	279	372	315	248
	kW	51.7	53.7	56.2	53.7	55.8	58.3	56.2	58.4	60.8
125	TC	335	360	386	348	372	401	354	379	407
	SC	294	260	215	327	284	272	352	307	242
	kW	55.1	57.3	59.9	57.1	59.4	62.1	59.6	62.1	64.6

Model- OCPUA 480

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		11000/0.033			14000/0.045			16800/0.058		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	468	503	545	490	527	569	504	541	584
	SC	376	327	264	420	385	287	475	404	311
	kW	50.2	51.8	53.9	52.4	54.2	56.2	56.4	58.2	60.2
95	TC	450	483	523	471	506	546	483	519	560
	SC	368	321	261	410	377	283	462	395	306
	kW	54.0	55.9	58.4	56.4	58.4	60.8	60.4	62.5	64.9
105	TC	431	463	501	450	483	521	461	496	534
	SC	359	315	257	399	367	278	448	385	300
	kW	57.9	60.2	62.9	60.4	62.8	65.5	64.5	66.9	69.6
115	TC	412	442	477	429	461	496	439	472	507
	SC	349	307	252	387	357	272	433	373	292
	kW	62.2	64.7	67.7	64.7	67.4	70.4	68.8	71.6	74.6
125	TC	391	420	453	407	437	470	416	446	480
	SC	339	300	249	395	347	267	415	362	286
	kW	66.4	69.3	72.6	69.1	72.1	75.4	73.3	76.4	79.4

Model- OCPUA 600

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		14000/0.046			17000/0.058			19500/0.068		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	569	611	661	580	623	674	593	638	687
	SC	477	413	325	513	450	346	583	478	367
	kW	58.3	60.2	62.5	60.5	62.3	64.5	62.6	64.5	66.8
95	TC	547	585	634	558	600	647	570	611	660
	SC	465	405	321	500	431	341	569	467	362
	kW	62.4	64.4	66.9	64.5	66.7	69.1	66.7	68.8	71.2
105	TC	522	561	606	533	573	619	544	584	629
	SC	454	396	316	487	420	336	543	456	355
	kW	66.6	68.6	71.7	68.7	71.0	73.8	70.7	73.3	76.0
115	TC	498	535	578	508	546	589	518	578	600
	SC	440	386	310	471	410	327	515	459	347
	kW	70.6	73.5	76.3	73	75.6	78.7	75.2	77.9	80.9
125	TC	474	510	549	483	518	558	491	527	568
	SC	428	378	305	457	399	322	490	430	306
	kW	75.2	78.1	81.2	77.6	80.3	83.7	79.7	82.7	85.9

TC - Total Capacity (1000 Btu/h) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btu/h) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

NOTES :

1. Direct interpolation is permissible - Do not extrapolate.
2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btu/h) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].
4. Total unit power input based on nominal CFM & 0.4 ESP.

COOLING CAPACITIES - 50Hz

(Semi-hermetic compressor units)

Model- OCPUA 720

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		16800/0.043			19500/0.051			23400/0.062		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	696	748	808	716	768	830	732	785	848
	SC	567	490	391	604	528	405	672	574	446
	kW	75.5	78.3	81.5	78.1	80.8	84.1	80.4	83.2	86.6
95	TC	669	718	777	687	737	797	703	754	813
	SC	554	483	385	589	517	400	655	562	438
	kW	81.3	84.4	88.2	83.9	87.0	90.9	86.3	89.6	93.5
105	TC	641	688	744	658	706	761	672	720	776
	SC	573	474	380	574	566	392	637	547	430
	kW	87.2	90.8	95.0	89.9	93.5	97.9	92.5	96.2	100.5
115	TC	612	657	709	626	672	724	640	685	739
	SC	531	462	373	556	492	385	615	531	420
	kW	93.4	97.4	102.3	96.2	100.3	105.0	98.8	103.1	107.9
125	TC	581	623	672	594	638	686	606	650	698
	SC	511	451	367	540	474	378	595	517	412
	kW	99.8	104	109.5	102.8	107.3	112.6	105.5	110	115.4

Model- OCPUA 840

CONDENSER ENTERING AIR TEMP. (°F)		EVAPORATOR AIRFLOW, CFM/DR								
		20000/0.052			22000/0.068			24000/0.065		
		EVAPORATOR ENTERING AIR, WBE (°F)								
		62	67	72	62	67	72	62	67	72
85	TC	809	868	941	822	881	956	831	892	966
	SC	665	579	462	700	602	478	733	626	490
	kW	90.4	93.4	97.0	92.5	95.6	99.3	94.5	97.6	101.3
95	TC	780	836	906	791	849	919	800	858	928
	SC	651	568	458	686	592	473	717	615	484
	kW	96.5	99.8	103.7	98.7	101.9	105.9	100.6	104	108
105	TC	748	803	869	759	815	881	767	823	890
	SC	637	559	453	669	581	467	699	603	478
	kW	102.7	106.4	110.7	104.9	108.6	112.9	106.9	110.7	115.0
115	TC	717	768	830	726	779	841	733	787	849
	SC	620	545	445	651	566	458	679	587	467
	kW	109.2	113.4	117.8	111.4	115.4	120	113.5	117.5	122.2
125	TC	683	731	790	691	742	801	698	749	807
	SC	604	535	439	633	554	453	661	574	431
	kW	115.9	120.1	125.1	118.1	122.5	127.5	120.2	124.6	129.3

TC - Total Capacity (1000 Btuh) Gross kW - Total unit power input DBE - Dry Bulb Temp. (°F) of Air Entering Coil DBL - Dry Bulb Temp. (°F) of Air Leaving Coil
 SC - Sensible Heat Capacity (1000 Btuh) Gross DR - Wet Bulb depression ratio WBE - Wet Bulb Temp. (°F) of Air Entering Coil WBL - Wet Bulb Temp. (°F) of Air Leaving Coil

NOTES : 1. Direct interpolation is permissible - Do not extrapolate.
 2. Capacities above are based on DBE = 80°F. For higher or lower DBE, add following Correction Factor = 1.08 x CFM (1 - DR) (DBE - 80).
 3. To calculate leaving conditions, follow this procedure: DBL = DBE - (Sensible Capacity (Btuh) / 1.08 x CFM); WBL = DBL - [DR (DBE - WBE)].

ELECTRICAL DATA

ELECTRICAL DATA
(Scroll Compressor Units)

DESCRIPTION		MODEL NUMBER																														
		OCPUA 240						OCPUA 300						OCPUA 360																		
		POWER SUPPLY (V-Ph-Hz)	VOLTAGE RANGE (Min. / Max.)	FM 2EA/20&25 3EA/30	FLA	COMPRE-SSOR (2 EA)	HP	FLA	BM	Nom.KW	ELECTRIC HEATER	MCA	MFS	COMPRE-SSOR (2 EA)	RLA	LRA	HP	FLA	BM	Nom.KW	ELECTRIC HEATER	MCA	MFS	COMPRE-SSOR (2 EA)	RLA	LRA	HP	FLA	BM	Nom.KW	ELECTRIC HEATER	MCA
209/230-3-60	187 / 253	5	35.7 / 237	7.5 / 19.4	10/15* / 20* / 30* / 40*	109.7 / 109.7 / 109.7 / 149.8	125 / 125 / 125 / 175	150 / 150 / 150 / 150	115.7 / 115.7 / 115.7 / 155.8	15.222.8 / 30.445.6 / 60.8 / 60.8	66.1 / 66.166.1 / 66.172.6 / 91.6	80 / 80 / 80 / 100	53.5 / 380	7.5 / 19.4	10 / 25.4	10/15* / 20* / 30* / 40*	149.8 / 149.8 / 149.8 / 154.8	200 / 200 / 200 / 200	155.8 / 155.8 / 155.8 / 174.2	15.222.8 / 30.445.6 / 60.8 / 60.8	85.4 / 85.485.4 / 85.485.4 / 91.6	110 / 110 / 110 / 110	53.5 / 380	7.5 / 19.4	10 / 25.4	10/15* / 20* / 30* / 40*	149.8 / 149.8 / 149.8 / 154.8	200 / 200 / 200 / 200	155.8 / 155.8 / 155.8 / 174.2	15.222.8 / 30.445.6 / 60.8 / 60.8	85.4 / 85.485.4 / 85.485.4 / 91.6	110 / 110 / 110 / 110
380-3-60 (4 WIRE)	360 / 410	2.7	21.4 / 160	7.5 / 12.5	10/15* / 20* / 30* / 40*	66.1 / 66.166.1 / 66.172.6 / 91.6	80 / 80 / 80 / 100	66.1 / 66.166.1 / 66.172.6 / 91.6	15.222.8 / 30.445.6 / 60.8 / 60.8	66.1 / 66.166.1 / 66.172.6 / 91.6	80 / 80 / 80 / 100	30 / 235	7.5 / 12.5	10 / 15.6	10/15* / 20* / 30* / 40*	66.1 / 66.166.1 / 66.172.6 / 91.6	90 / 90 / 90 / 100	66.1 / 66.166.1 / 66.172.6 / 91.6	15.222.8 / 30.445.6 / 60.8 / 60.8	85.4 / 85.485.4 / 85.485.4 / 91.6	110 / 110 / 110 / 110	33.5 / 235	7.5 / 12.5	10 / 15.6	10/15* / 20* / 30* / 40*	66.1 / 66.166.1 / 66.172.6 / 91.6	90 / 90 / 90 / 100	66.1 / 66.166.1 / 66.172.6 / 91.6	85.4 / 85.485.4 / 85.485.4 / 91.6	110 / 110 / 110 / 110		
460-3-60	430 / 480	2.5	20.7 / 130	7.5 / 9.7	10/15* / 20* / 30* / 40*	61.3 / 61.361.3 / 61.361.3 / 61.361.3	80 / 80 / 80 / 80	61.3 / 61.361.3 / 61.361.3 / 61.361.3	12.6/18.8 / 25.1/37.7 / 50.2 / 50.2	61.3 / 61.361.3 / 61.361.3 / 61.361.3	80 / 80 / 80 / 80	25 / 175	7.5 / 9.7	10 / 12.4	10/15* / 20* / 30* / 40*	61.3 / 61.361.3 / 61.361.3 / 61.361.3	80 / 80 / 80 / 80	61.3 / 61.361.3 / 61.361.3 / 61.361.3	12.6/18.8 / 25.1/37.7 / 50.2 / 50.2	61.3 / 61.361.3 / 61.361.3 / 61.361.3	80 / 80 / 80 / 80	90 / 90 / 90 / 90	25 / 175	7.5 / 9.7	10 / 12.4	10/15* / 20* / 30* / 40*	61.3 / 61.361.3 / 61.361.3 / 61.361.3	80 / 80 / 80 / 80	61.3 / 61.361.3 / 61.361.3 / 61.361.3	80 / 80 / 80 / 80		
380/400-3-50 (4 WIRE)	365 / 400	2.9	22 / 160	7.5 / 12.5	10/15* / 20* / 30* / 40*	74.6 / 74.674.6 / 74.674.6 / 74.674.6	90 / 90 / 90 / 90	74.6 / 74.674.6 / 74.674.6 / 74.674.6	15.222.8 / 30.445.6 / 60.8 / 60.8	74.6 / 74.674.6 / 74.674.6 / 74.674.6	90 / 90 / 90 / 90	24 / 170	7.5 / 12.5	10 / 15.6	10/15* / 20* / 30* / 40*	74.6 / 74.674.6 / 74.674.6 / 74.674.6	90 / 90 / 90 / 90	74.6 / 74.674.6 / 74.674.6 / 74.674.6	15.222.8 / 30.445.6 / 60.8 / 60.8	74.6 / 74.674.6 / 74.674.6 / 74.674.6	90 / 90 / 90 / 90	90 / 90 / 90 / 90	26 / 180	7.5 / 12.5	10 / 15.6	10/15* / 20* / 30* / 40*	74.6 / 74.674.6 / 74.674.6 / 74.674.6	90 / 90 / 90 / 90	74.6 / 74.674.6 / 74.674.6 / 74.674.6	90 / 90 / 90 / 90		

FLA - Full Load Amps
HP - Horse Power
BM - Blower Motor
LRA - Locked Rotor Amps
MFS - Maximum Fuse Size
FM - Fan Motor (Condenser)
RLA - Rated Load Amps
MCA - Minimum Circuit Amps
* Combination of heater modules



ELECTRICAL DATA

(Semi-hermetic compressor units)

DESCRIPTION				MODEL NUMBER															
				OCPUA 240								OCPUA 300							
				POWER SUPPLY (V-Ph-Hz)	VOLTAGE RANGE		FM (2 EA)	COMPR- ESSOR (2 EA)		BM		ELECTRIC HEATER		MCA	MFS	COMPR- ESSOR (2 EA)		BM	
Min.	Max.	FLA	RLA		LRA	HP	FLA	Nom. KW	FLA	RLA	LRA	HP	FLA			Nom. KW	FLA		
208/230-3-60	187	253	5	42	198	7.5	19.4	-	-	123.9	150	62	264	7.5	19.4	-	-	168.9	225
								10/15*	25.1/37.7	123.9/123.9	150/150					10/15*	25.1/37.7	168.9/168.9	225/225
								20*/30*	50.2/75.3	123.9/123.9	150/150					20*/30*	50.2/75.3	168.9/168.9	225/225
								40*	100.4	149.8	175					40*	100.4	168.9	225
								-	-	129.9	150					-	-	174.9	225
								10/15*	25.1/37.7	129.9/129.9	150/150					10/15*	25.1/37.7	174.9/174.9	225/225
20*/30*	50.2/75.3	129.9/129.9	150/150	20*/30*	50.2/75.3	174.9/174.9	225/225												
40*	100.4	157.3	175	40*	100.4	174.9	225												
380-3-60 (4 WIRE)	360	410	2.7	25.8	122	7.5	12.5	-	-	76	100	38	162	7.5	12.5	-	-	103.4	125
								10/15*	15.2/22.8	76/76	100/100					10/15*	15.2/22.8	103.4/103.4	125/125
								20*/30*	30.4/45.6	76/76	100/100					20*/30*	30.4/45.6	103.4/103.4	125/125
								40*	60.8	91.6	100					40*	60.8	103.4	125
								-	-	79.1	100					-	-	106.5	125
								10/15*	15.2/22.8	79.1/79.1	100/100					10/15*	15.2/22.8	106.5/106.5	125/125
20*/30*	30.4/45.6	79.1/79.1	100/100	20*/30*	30.4/45.6	106.5/106.5	125/125												
40*	60.8	95.5	100	40*	60.8	106.5	125												
460-3-60	430	480	2.5	21	99	7.5	9.7	-	-	62	80	31	132	7.5	9.7	-	-	84.5	110
								10/15*	12.6/18.8	62/62	80/80					10/15*	12.6/18.8	84.5/84.5	110/110
								20*/30*	25.1/37.7	62/62	80/80					20*/30*	25.1/37.7	84.5/84.5	110/110
								40*	50.2	74.9	80					40*	50.2	74.9	110
								-	-	64.7	80					-	-	87.2	110
								10/15*	12.6/18.8	64.7/64.7	80/80					10/15*	12.6/18.8	87.2/87.2	110/110
20*/30*	25.1/37.7	64.7/64.7	80/80	20*/30*	25.1/37.7	87.2/87.2	110/110												
40*	50.2	78.3	80	40*	50.2	87.2	110												
380/400-3-50 (4 WIRE)	365	400	2.9	24	113	7.5	12.5	-	-	72.3	90	31	132	7.5	12.5	-	-	88.1	110
								10/15*	15.2/22.8	72.3/72.3	90/90					10/15*	15.2/22.8	88.1/88.1	110/110
								20*/30*	30.4/45.6	72.3/72.6	90/90					20*/30*	30.4/45.6	88.1/88.1	110/110
								40*	60.8	91.6	100					40*	60.8	91.6	110
								-	-	75.4	90					-	-	91.2	110
								10/15*	15.2/22.8	75.4/75.4	90/90					10/15*	15.2/22.8	91.2/91.2	110/110
20*/30*	30.4/45.6	75.4/76.5	90/90	20*/30*	30.4/45.6	91.2/91.2	110/110												
40*	60.8	95.5	100	40*	60.8	95.5	110												

LEGEND:

- FLA - Full Load Amps
- HP - Horse Power
- BM - Blower Motor
- LRA - Locked Rotor Amps
- RLA - Rated Load Amps
- MCA - Minimum Circuit Amps
- MFS - Maximum Fuse Size
- FM - Fan Motor (Condenser)
- * Combination of heater modules



ELECTRICAL DATA

(Semi-hermetic compressor units)

DESCRIPTION				MODEL NUMBER															
				OCPUA 360							OCPUA 420								
POWER SUPPLY (V-Ph-Hz)	VOLTAGE RANGE		FM (2 EA)	COMPR- ESSOR (2 EA)		BM		ELECTRIC HEATER		MCA	MFS	COMPR- ESSOR (2 EA)		BM		ELECTRIC HEATER		MCA	MFS
	Min.	Max.	FLA	RLA	LRA	HP	FLA	Nom. KW	FLA			RLA	LRA	HP	FLA	Nom. KW	FLA		
208/230-3-60	187	253	5	74	316	7.5	19.4	20*/30*	50.2/75.3	200.9/200.9	250/250	78	316	7.5	19.4	20*/30*	50.2/75.3	209.9/209.9	250/250
								40*	100.4	200.9	250					40*	100.4	209.9	250
								20*/30*	50.2/75.3	206.9/206.9	250/250					20*/30*	50.2/75.3	215.9/215.9	250/250
								40*	100.4	206.9	250					40*	100.4	215.9	250
								20*/30*	50.2/75.3	220.3	250					20*/30*	50.2/75.3	229.3	300
								40*	100.4	220.3	250					40*	100.4	300	300
380-3-60 (4 WIRE)	360	410	2.7	45.5	194	7.5	12.5	20*/30*	30.4/45.6	123/123	150/150	48	194	7.5	12.5	20*/30*	30.4/45.6	128.6/128.6	175/175
								40*	60.8	123	150					40*	60.8	128.6	175
								20*/30*	30.4/45.6	126.1	150					20*/30*	30.4/45.6	131.7/131.7	175/175
								40*	60.8	126.1	150					40*	60.8	131.7	175
								20*/30*	30.4/45.6	134.5	175					20*/30*	30.4/45.6	140.1/140.1	175/175
								40*	60.8	134.5	175					40*	60.8	140.1	175
460-3-60	430	480	2.5	37	158	7.5	9.7	20*/30*	25.1/37.7	100.5/100.5	125/125	39	158	7.5	9.7	20*/30*	25.1/37.7	105/105	125/125
								40*	50.2	100.5	125					40*	50.2	105	125
								20*/30*	25.1/37.7	103.2	125					20*/30*	25.1/37.7	107.7/107.7	125/125
								40*	50.2	103.2	125					40*	50.2	107	125
								20*/30*	25.1/37.7	110.2	125					20*/30*	25.1/37.7	114.7/114.7	150/150
								40*	50.2	110.2	125					40*	50.2	114.7	150
380/400-3-50 (4 WIRE)	365	400	2.9	39	158	7.5	12.5	20*/30*	30.4/45.6	109/109	125/125	45	193	7.5	12.5	20*/30*	30.4/45.6	122.5/122.5	150/150
								40*	60.8	109	125					40*	60.8	122.5	150
								20*/30*	30.4/45.6	112.1	150					20*/30*	30.4/45.6	125.6/125.6	150/150
								40*	60.8	112.1	150					40*	60.8	150	150
								20*/30*	30.4/45.6	120.5	150					20*/30*	30.4/45.6	134/134	175/175
								40*	60.8	120.5	150					40*	60.8	134	175

LEGEND:

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- BM - Blower Motor
- LRA - Locked Rotor Amps
- RLA - Rated Load Amps
- MCA - Minimum Circuit Amps
- MFS - Maximum Fuse Size
- FM - Fan Motor (Condenser)
- * Combination of heater modules

ELECTRICAL DATA

(Semi-hermetic compressor units)

DESCRIPTION				MODEL NUMBER																
				OCPUA 480							OCPUA 600									
POWER SUPPLY (V-Ph-Hz)	VOLTAGE RANGE		FM (4 EA)	COMPR- ESSOR (2 EA)		BM		ELECTRIC HEATER		MCA	MFS					MCA	MFS			
	Min.	Max.	FLA	RLA	LRA	HP	FLA	Nom. kW	FLA			RLA	LRA	HP	FLA	Nom. KW	FLA			
208/230-3-60	187	253	5	90	386	10	25.4	30°/40°	75.3/100.4	247.9/247.9	300/300	65	271	10	25.4	30°/40°	75.3/100.4	283.9/23.9	350/350	
								50°/60°	125.5/150.6	247.6/247.7	300/300					283.9/283.9	350/350			
								30°/40°	75.3/100.4	261.3	350					297.3	400/400			
						15	38.8	50°/60°	125.5/150.6	261.3/261.3	350/350			297.3/297.3	400/400					
								30°/40°	75.3/100.4	272.5	350			308.5	400					
								50°/60°	125.5/150.6	272.5/272.5	350/350			308.5/308.5	400/400					
	20	50	30°/40°	75.3/100.4	272.5/272.5	350/350	324.5	400												
			50°/60°	125.5/150.6	272.5/272.5	350/350	324.5/324.5	400/400												
			30°/40°	75.3/100.4	272.5/272.5	350/350	324.5/324.5	400/400												
	380-3-60 (4 WIRE)	360	410	2.7	55.5	237	10	15.6	30°/40°	45.6/60.8	151.3/153.1	200/200	65	271	10	15.6	30°/40°	45.6/60.8	172.7/172.7	225/225
									50°/60°	76/91.2	151.3/153.1	200/200					172.7/172.7	225/225		
									30°/40°	45.6/60.8	159.7/159.7	200/200					181.1	225		
15							24	50°/60°	76/91.2	159.7/159.7	200/200	181.1/181.1			225/225					
								30°/40°	45.6/60.8	167.7	200	189.1			250					
								50°/60°	76/91.2	167.7/167.7	200/200	189.1/189.1			250/250					
20		32	30°/40°	45.6/60.8	167.7/167.7	200/200	193.1	250												
			50°/60°	76/91.2	167.7/167.7	200/200	193.1/193.1	250/250												
			30°/40°	45.6/60.8	167.7/167.7	200/200	193.1/193.1	250/250												
460-3-60		430	480	2.5	45	193	10	12.4	30°/40°	37.7/50.2	123.7/123.7	150/150	53	220	10	12.4	30°/40°	37.7/50.2	141.7/141.7	175/175
									50°/60°	62.8/75.3	123.7/123.7	150/150					141.7/141.7	175/175		
									30°/40°	37.7/50.2	130.7/130.7	175/175					148.7	200		
	15						19.4	50°/60°	62.8/75.3	130.7/130.7	175/175	148.7/148.7			200/200					
								30°/40°	37.7/50.2	136.3	175	154.3			200					
								50°/60°	62.8/75.3	136.3/136.3	175/175	154.3/154.3			200/200					
	20	25	30°/40°	37.7/50.2	136.3/136.3	175/175	162.2	200												
			50°/60°	62.8/75.3	136.3/136.3	175/175	162.2/162.2	200/200												
			30°/40°	37.7/50.2	147.5	175	170.6	225												
	380/400-3-50 (4 WIRE)	365	400	2.9	53	220	10	15.6	30°/40°	45.6/60.8	147.5/147.5	175/175	60	262	10	15.6	30°/40°	45.6/60.8	162.3/162.3	200/200
									50°/60°	76/91.2	147.5/147.5	175/175					162.3/162.3	200/200		
									30°/40°	45.6/60.8	154.9/154.9	200/200					178.6	225		
15							24	50°/60°	76/91.2	154.9/154.9	200/200	178.6/178.6			225/225					
								30°/40°	45.6/60.8	162.9	200	182.6			225					
								50°/60°	76/91.2	162.9/162.9	200/200	182.6/182.6			225/225					
20		32	30°/40°	45.6/60.8	162.9/162.9	200/200	182.6	225												
			50°/60°	76/91.2	162.9/162.9	200/200	182.6/182.6	225/225												
			30°/40°	45.6/60.8	162.9/162.9	200/200	182.6/182.6	225/225												

LEGEND:

FLA - Full Load Amps
HP - Horse Power
BM - Blower Motor

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RLA - Rated Load Amps
MCA - Minimum Circuit Amps

MFS - Maximum Fuse Size
FM - Fan Motor (Condenser)
*Combination of heater modules

ELECTRICAL DATA

(Semi-hermetic compressor units)

DESCRIPTION				MODEL NUMBER																					
				OCPUA 480							OCPUA 600														
POWER SUPPLY (V-Ph-Hz)	VOLTAGE RANGE		FM (4 EA)	COMPR- ESSOR (2 EA)		BM		ELECTRIC HEATER		MCA	MFS					MCA	MFS								
	Min.	Max.	FLA	RLA	LRA	HP	FLA	Nom. kW	FLA			RLA	LRA	HP	FLA	Nom. KW	FLA								
208/230-3-60	187	253	5	90	386	10	25.4	-	-	247.9	300	65	271	10	25.4	-	-	283.9	350						
								30*40*	75.3/100.4	247.9/247.9	300/300					30*40*	75.3/100.4	283.9/23.9	350/350						
							50*60*	125.5/150.6	247.6/247.7	300/300	50*60*				125.5/150.6	283.9/283.9	350/350								
							15	38.8	-	-	261.3				350	15	38.8	-	-	297.3	400				
									30*40*	75.3/100.4	261.3/261.3				350/350			30*40*	75.3/100.4	297.3/297.3	400/400				
							50*60*	125.5/150.6	261.3/261.3	350/350	50*60*				125.5/150.6	297.3/297.3	400/400								
						20	50	-	-	272.5	350	20	50	-	-	308.5	400								
								30*40*	75.3/100.4	272.5/272.5	350/350			30*40*	75.3/100.4	308.5/308.5	400/400								
						50*60*	125.5/150.6	272.5/272.5	350/350	50*60*	125.5/150.6	308.5/308.5	400/400												
						380-3-60 (4 WIRE)	360	410	2.7	55.5	237	10	15.6	-	-	151.3	200	65	271	10	15.6	-	-	172.7	225
														30*40*	45.6/60.8	151.3/153.1	200/200					30*40*	45.6/60.8	172.7/172.7	225/225
													50*60*	76/91.2	151.3/153.1	200/200	50*60*				76/91.2	172.7/172.7	225/225		
15	24	-	-	159.7	200								15	24	-	-	181.1				225				
		30*40*	45.6/60.8	159.7/159.7	200/200										30*40*	45.6/60.8	181.1/181.1				225/225				
50*60*	76/91.2	159.7/159.7	200/200	50*60*	76/91.2								181.1/181.1	225/225											
20	32	-	-	167.7	200							20	32	-	-	189.1	250								
		30*40*	45.6/60.8	167.7/167.7	200/200									30*40*	45.6/60.8	189.1/189.1	250/250								
50*60*	76/91.2	167.7/167.7	200/200	50*60*	76/91.2							189.1/189.1	250/250												
460-3-60	430	480	2.5	45	193							10	12.4	-	-	123.7	150	53	220	10	12.4	-	-	141.1	175
														30*40*	37.7/50.2	123.7/123.7	150/150					30*40*	37.7/50.2	141.7/141.7	175/175
													50*60*	62.8/75.3	123.7/123.7	150/150	50*60*				62.8/75.3	141.7/141.7	175/175		
						15	19.4	-	-	130.7	175		15	19.4	-	-	148.7				200				
								30*40*	37.7/50.2	130.7/130.7	175/175				30*40*	37.7/50.2	148.7/148.7				200/200				
						50*60*	62.8/75.3	130.7/130.7	175/175	50*60*	62.8/75.3		148.7/148.7	200/200											
						20	25	-	-	136.3	175	20	25	-	-	154.3	200								
								30*40*	37.7/50.2	136.3/136.3	175/175			30*40*	37.7/50.2	154.3/154.3	200/200								
						50*60*	62.8/75.3	136.3/136.3	175/175	50*60*	62.8/75.3	154.3/154.3	200/200												
						380/400-3-50 (4 WIRE)	365	400	2.9	53	220	10	15.6	-	-	147.5	175	60	262	10	15.6	-	-	162.3	200
														30*40*	45.6/60.8	147.5/147.5	175/175					30*40*	45.6/60.8	162.3/162.3	200/200
													50*60*	76/91.2	147.5/147.5	175/175	50*60*				76/91.2	162.3/162.3	200/200		
15	24	-	-	154.9	200								15	24	-	-	170.6				225				
		30*40*	45.6/60.8	154.9/154.9	200/200										30*40*	45.6/60.8	170.6/170.6				225/225				
50*60*	76/91.2	154.9/154.9	200/200	50*60*	76/91.2								170.6/170.6	225/225											
20	32	-	-	162.9	200							20	32	-	-	178.6	225								
		30*40*	45.6/60.8	162.9/162.9	200/200									30*40*	45.6/60.8	178.6/178.6	225/225								
50*60*	76/91.2	162.9/162.9	200/200	50*60*	76/91.2							178.6/178.6	225/225												
25	36	-	-	182.6	225							25	36	-	-	182.6	225								
		30*40*	45.6/60.8	182.6/182.6	225/225									30*40*	45.6/60.8	182.6/182.6	225/225								
50*60*	76/91.2	182.6/182.6	225/225	50*60*	76/91.2							182.6/182.6	225/225												

LEGEND:

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MCA - Minimum Circuit Amps

MFS - Maximum Fuse Size
FM - Fan Motor (Condenser)
*Combination of heater modules

FAN PERFORMANCE DATA 50 & 60 Hz

FAN PERFORMANCE DATA - 50 & 60Hz

Model - OCPUA 240

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5600	750	1.88	807	2.2	868	2.48	926	2.8	980	3.15	1032	3.51	1084	3.83	1133	4.27	1175	4.62	1223	4.98	1266	5.4	1303	5.68
5800	757	1.96	815	2.27	875	2.6	930	2.92	984	3.29	1036	3.65	1086	3.95	1134	4.39	1175	4.74	1223	5.12	1266	5.5	1303	5.83
6000	765	2.07	821	2.38	882	2.71	934	3.02	988	3.41	1040	3.77	1087	4.2	1135	4.59	1175	4.94	1223	5.32	1266	5.69	1303	6.03
6200	771	2.21	825	2.52	886	2.85	938	3.15	991	3.54	1043	3.9	1089	4.29	1136	4.73	1175	5.08	1223	5.5	1267	5.85	1303	6.23
6400	776	2.29	830	2.6	891	2.96	942	3.26	994	3.66	1046	4.04	1091	4.43	1137	4.87	1175	5.22	1223	5.6	1268	6.0	1304	6.4
6600	781	2.41	834	2.72	897	3.06	945	3.36	998	3.8	1048	4.18	1092	4.57	1138	5.01	1175	5.36	1223	5.74	1269	6.14	1305	6.62
6800	785	2.52	838	2.83	902	3.18	947	3.48	1002	3.92	1050	4.3	1093	4.74	1140	5.18	1175	5.52	1223	5.94	1270	6.33	1306	6.87
7000	800	2.72	848	3.03	907	3.35	950	3.65	1007	4.1	1052	4.47	1095	5.06	1143	5.37	1175	5.67	1223	6.2	1270	6.62	1306	7.14
7200	804	2.82	852	3.13	911	3.47	952	3.77	1012	4.22	1063	4.61	1097	5.2	1144	5.51	1177	5.81	1224	6.34	1270	6.76	1306	7.32
7400	808	2.92	856	3.23	915	3.58	957	3.89	1014	4.35	1064	4.74	1099	5.4	1144	5.71	1179	6.01	1225	6.54	1270	6.96	1307	7.52
7600	816	3.07	862	3.38	921	3.72	962	4.11	1016	4.57	1065	4.9	1102	5.56	1145	5.85	1179	6.19	1226	6.72	1270	7.16	1308	7.72
7800	821	3.2	867	3.51	926	3.86	967	4.28	1018	4.71	1067	5.1	1104	5.66	1146	5.97	1180	6.33	1226	6.92	1270	7.36	1309	7.97
8000	825	3.35	871	3.69	931	4.1	973	4.58	1020	4.91	1069	5.33	1112	5.82	1146	6.15	1181	6.62	1227	7.2	1272	7.66	1310	8.22
8200	837	3.53	882	3.87	936	4.3	981	4.81	1025	5.13	1066	5.55	1115	6.04	1151	6.37	1189	6.82	1230	7.46	1273	7.92	1313	8.48
8400	844	3.72	890	4.1	941	4.51	988	4.93	1034	5.36	1075	5.81	1118	6.2	1158	6.65	1197	7.15	1236	7.67	1275	8.2	1316	8.7

Model - OCPUA 300

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7200	800	2.78	850	3.1	908	3.51	950	3.83	1000	4.2	1045	4.63	1092	5.09	1134	5.5	1179	5.87	1224	6.3	1260	6.79	1306	7.38
7400	808	2.94	857	3.28	912	3.71	958	4.03	1006	4.41	1049	4.82	1096	5.3	1137	5.68	1182	6.07	1227	6.51	1263	7.0	1309	7.6
7600	816	3.1	864	3.45	917	3.91	964	4.23	1010	4.62	1054	5.03	1100	5.5	1141	5.86	1185	6.3	1229	6.72	1266	7.25	1312	7.82
7800	825	3.22	874	3.57	921	4.13	972	4.43	1015	4.83	1060	5.2	1105	5.7	1145	6.04	1187	6.5	1231	6.93	1269	7.51	1315	8.04
8000	829	3.36	879	3.72	926	4.26	976	4.67	1021	5.05	1065	5.42	1110	5.87	1148	6.22	1190	6.72	1233	7.21	1273	7.8	1316	8.26
8200	836	3.53	886	3.88	935	4.42	982	4.87	1025	5.23	1070	5.62	1115	6.07	1151	6.43	1193	6.9	1235	7.5	1276	8.2	1317	8.48
8400	844	3.73	894	4.08	942	4.62	989	5.02	1030	5.43	1075	5.86	1121	6.3	1154	6.6	1196	7.21	1237	7.81	1278	8.4	1318	8.7
8600	853	3.87	902	4.21	945	4.8	992	5.22	1038	5.64	1082	6.06	1124	6.46	1158	6.84	1200	7.45	1242	8.1	1280	8.7	1319	8.92
8800	858	4.02	907	4.37	952	4.97	997	5.4	1042	5.8	1087	6.26	1128	6.68	1162	7.09	1204	7.73	1247	8.39	1282	8.94	1322	8.94
9000	869	4.24	913	4.57	960	5.14	1005	5.56	1048	5.96	1092	6.44	1131	6.87	1168	7.36	1208	7.91	1250	8.7	1284	8.98		
9200	877	4.5	922	4.81	966	5.3	1011	5.81	1053	6.2	1092	6.7	1134	7.1	1172	7.58	1212	8.13	1258	8.86				
9400	884	4.68	930	4.96	972	5.55	1017	6.01	1060	6.43	1093	6.89	1136	7.34	1176	7.82	1216	8.36	1260	8.87				
9600	888	4.81	937	5.12	982	5.71	1021	6.2	1065	6.64	1094	7.19	1138	7.58	1180	8.03	1220	8.6						
9800	900	5.06	947	5.4	988	5.96	1026	6.45	1070	6.82	1095	7.45	1140	7.78	1185	8.24	1224	8.83						
10000	906	5.31	956	5.67	992	6.16	1032	6.64	1075	7.03	1096	7.71	1142	8	1190	8.5	1228	8.84						
10200	914	5.49	962	5.87	998	6.42	1038	6.91	1081	7.28	1097	8.01	1144	8.22	1195	8.7								
10400	921	5.7	968	6.12	1008	6.68	1044	7.21	1090	7.53	1098	8.24	1146	8.48	1200	8.97								
10600	932	5.92	973	6.4	1015	6.93	1052	7.42	1095	7.84	1100	8.5	1150	8.8	1205	8.98								
10800	940	6.21	980	6.7	1025	7.18	1059	7.72	1102	8.25	1103	8.77	1155	8.85										

Notes: 1. Values include losses for 2" filters (dirty condition), unit casing, drive & wet coils. 2. Standard 7.5 HP motor to be used for the unshaded portion. 3. Alt. 10 HP motor to be used for the shaded portion.

FAN PERFORMANCE DATA 50 & 60 Hz

FAN PERFORMANCE DATA - 50 & 60Hz Model - OCPUA 360

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																								
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
8400	697	3.57	737	4.0	786	4.45	828	5.04	872	5.58	915	6.04	951	6.61	994	7.31	1032	7.95	1068	8.53	1104	9.0	1142	9.54	
8600	700	3.67	743	4.11	789	4.64	833	5.16	878	5.7	917	6.14	956	6.84	996	7.53	1034	8.11	1071	8.67	1106	9.21	1143	9.73	
8800	702	3.78	746	4.2	792	4.77	835	5.28	879	5.81	918	6.27	958	7.0	997	7.68	1036	8.36	1072	8.83	1107	9.34	1143	9.87	
9000	710	3.93	752	4.46	796	4.96	837	5.46	880	5.97	919	6.46	960	7.23	998	7.9	1037	8.5	1073	9.0	1108	9.55	1145	10.08	
9200	713	4.07	758	4.63	800	5.1	841	5.82	883	6.13	923	6.71	962	7.46	999	8.11	1038	8.64	1074	9.19	1109	9.71	1146	10.24	
9400	718	4.2	761	4.79	805	5.32	846	5.82	885	6.26	928	6.95	964	7.63	1000	8.32	1039	8.84	1075	9.36	1110	9.89	1147	10.5	
9600	721	4.4	766	4.98	809	5.47	848	5.94	888	6.51	930	7.12	967	7.85	1002	8.47	1041	9.05	1076	9.5	1111	10.02	1147	10.8	
9800	726	4.6	771	5.11	813	5.63	852	6.09	890	6.73	932	7.37	968	8.01	1003	8.64	1043	9.19	1077	9.7	1112	10.18	1148	11.04	
10000	732	4.74	774	5.27	817	5.8	855	6.24	893	6.98	933	7.53	969	8.24	1004	8.86	1045	9.32	1078	9.83	1113	10.45	1149	11.27	
10200	738	4.9	782	5.51	821	5.98	862	6.47	900	7.17	938	7.78	972	8.55	1006	9.1	1047	9.6	1081	10.03	1115	10.7	1150	11.56	
10400	744	4.97	786	5.7	825	6.11	865	6.73	904	7.43	940	8.0	975	8.66	1008	9.27	1049	9.81	1082	10.23	1116	10.91	1151	11.86	
10500	746	5.04	789	5.74	828	6.2	867	6.86	906	7.58	941	8.11	977	8.71	1012	9.31	1050	9.87	1083	10.32	1117	11.11	1151	12.02	
10600	748	5.18	791	5.84	830	6.3	869	6.91	908	7.67	943	8.24	978	8.79	1013	9.41	1051	9.95	1084	10.43	1118	11.28	1152	12.15	
10800	750	5.32	793	5.97	832	6.48	871	7.17	910	7.76	945	8.44	979	8.86	1015	9.6	1052	10.09	1086	10.67	1119	11.44	1153	12.34	
11000	755	5.48	795	6.16	835	6.75	879	7.35	913	8.04	947	8.6	981	9.1	1017	9.79	1053	10.22	1087	10.91	1120	11.73	1154	12.54	
11200	760	5.65	800	6.3	839	7.03	882	7.61	915	8.22	952	8.85	983	9.25	1019	10.0	1056	10.45	1088	11.51	1121	12.04	1155	12.83	
11400	767	5.85	809	6.57	845	7.32	889	7.87	917	8.48	955	9.1	985	9.41	1021	10.14	1058	10.72	1089	11.5	1123	12.33	1156	13.1	
11600	775	6.14	815	6.84	850	7.49	891	8.13	925	8.82	960	9.31	991	9.7	1024	10.36	1061	11.07	1091	11.81	1125	12.54	1157	13.36	
11800	780	6.41	818	7.12	855	7.76	893	8.31	928	8.98	964	9.53	996	9.9	1026	10.5	1063	11.31	1094	12.03	1126	12.84	1158	13.55	
12000	785	6.67	822	7.3	860	7.94	898	8.57	932	9.15	966	9.7	1000	10.19	1028	10.85	1066	11.61	1096	12.36	1130	13.14	1159	13.88	
12200	790	6.89	829	7.61	865	8.21	904	8.83	934	9.32	970	9.93	1004	10.38	1035	11.18	1069	11.89	1100	12.64	1132	13.48			
12400	793	7.14	832	7.76	867	8.4	907	8.92	940	9.6	973	10.17	1007	10.73	1039	11.41	1073	12.17	1104	12.85	1134	13.7			
12600	800	7.42	838	8.0	873	8.67	910	9.25	943	9.82	979	10.33	1010	10.97	1042	11.76	1076	12.51	1107	13.07					
12800	807	7.68	844	8.3	878	8.9	915	9.45	949	10.0	983	10.5	1015	11.33	1046	12.05	1079	12.73	1110	13.46					

Notes: 1. Values include losses for 2" filters (dirty condition), unit casing, drive & wet coils.
 2. Unshaded bordered regions indicates standard 7.5 & 10 HP motor respectively.
 3. Alt. 15 HP motor to be used for the shaded portion.

FAN PERFORMANCE DATA 50 & 60 Hz

FAN PERFORMANCE DATA - 50 & 60Hz
Model - OCPUA 420

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9600	721	4.4	766	4.98	809	5.47	848	5.94	888	6.51	930	7.12	967	7.85	1002	8.47	1041	9.05	1076	9.5	1111	10.0	1147	10.8
9800	726	4.6	771	5.11	813	5.63	852	6.09	890	6.73	932	7.37	968	8.01	1003	8.64	1043	9.19	1077	9.7	1112	10.18	1148	11.04
10000	732	4.74	774	5.27	817	5.8	855	6.24	893	6.98	933	7.53	969	8.24	1004	8.86	1045	9.32	1078	9.83	1113	10.45	1149	11.27
10200	738	4.9	782	5.51	821	5.98	862	6.47	900	7.17	938	7.8	972	8.55	1006	9.1	1047	9.6	1081	10.0	1115	10.7	1150	11.56
10400	744	4.97	786	5.7	825	6.11	865	6.73	904	7.43	940	8.0	975	8.66	1008	9.27	1049	9.81	1082	10.23	1116	10.91	1151	11.86
10500	746	5.04	789	5.74	828	6.2	867	6.86	906	7.58	941	8.11	977	8.71	1012	9.31	1050	9.87	1083	10.32	1117	11.11	1151	12.02
10600	748	5.18	791	5.84	830	6.3	869	6.91	908	7.67	943	8.24	978	8.79	1013	9.41	1051	9.95	1084	10.43	1118	11.28	1152	12.15
10800	750	5.32	793	5.97	832	6.48	871	7.17	910	7.76	945	8.44	979	8.86	1015	9.6	1052	10.1	1086	10.67	1119	11.44	1153	12.34
11000	755	5.48	795	6.16	835	6.75	879	7.35	913	8.04	947	8.6	981	9.1	1017	9.79	1053	10.22	1087	10.91	1120	11.73	1154	12.54
11200	760	5.65	800	6.3	839	7.03	882	7.61	915	8.22	952	8.85	983	9.25	1019	10.0	1056	10.45	1088	11.51	1121	12.04	1155	12.83
11400	767	5.85	809	6.57	845	7.32	889	7.87	917	8.48	955	9.1	985	9.41	1021	10.14	1058	10.72	1089	11.5	1123	12.33	1156	13.1
11600	775	6.14	815	6.84	850	7.49	891	8.13	925	8.82	960	9.31	991	9.7	1024	10.36	1061	11.07	1091	11.81	1125	12.54	1157	13.36
11800	780	6.41	818	7.12	855	7.76	893	8.31	928	8.98	964	9.53	996	9.9	1026	10.5	1063	11.31	1094	12.03	1126	12.84	1158	13.55
12000	785	6.67	822	7.3	860	7.94	898	8.57	932	9.15	966	9.7	1000	10.19	1028	10.85	1066	11.61	1096	12.36	1130	13.14	1159	13.88
12200	790	6.89	829	7.61	865	8.21	904	8.83	934	9.32	970	9.93	1004	10.38	1035	11.18	1069	11.89	1100	12.64	1132	13.48	1162	13.9
12400	793	7.14	832	7.76	867	8.4	907	8.92	940	9.6	973	10.17	1007	10.73	1039	11.41	1073	12.17	1104	12.85	1134	13.7		
12600	800	7.42	838	8.0	873	8.67	910	9.25	943	9.82	979	10.33	1010	10.97	1042	11.76	1076	12.51	1107	13.07	1138	13.8		
12800	807	7.68	844	8.3	878	8.9	915	9.45	949	10.0	983	10.5	1015	11.33	1046	12.05	1079	12.73	1110	13.46				
13000	814	7.9	851	8.61	881	9.18	920	9.67	954	10.2	987	10.71	1020	11.53	1050	12.3	1084	13	1114	13.78				
13200	821	8.11	857	8.9	885	9.42	926	9.87	957	10.4	991	10.95	1024	11.76	1054	12.55	1088	13.28						
13400	828	8.31	862	9.21	891	9.7	932	10.2	960	10.64	995	11.2	1030	11.98	1058	12.81	1093	13.6						
13600	833	8.55	869	9.5	897	10	940	10.41	964	10.86	998	11.51	1036	12.22	1062	13.08	1096	13.65						
13800	840	8.8	875	9.8	902	10.28	946	10.62	970	11.18	1004	11.82	1040	12.44	1068	13.31	1098	13.68						
14000	847	9.06	880	10.1	907	10.52	950	10.85	974	11.4	1010	12.05	1046	12.64	1074	13.6	1099	13.7						

Notes: 1. Values include losses for 2" filters (dirty condition), unit casing, drive & wet coils.
2. standard 10 HP motor to be used for the unshaded portion.
3. Alt. 15 HP motor to be used for the shaded portion.

FAN PERFORMANCE DATA 50 & 60 Hz

FAN PERFORMANCE DATA - 50 & 60Hz

Model - OCPUA 480

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	716	5	758	5.4	802	6.1	842	6.55	883	7.3	920	7.9	955	8.46	990	9.1	1030	9.7	1062	10.27	1098	10.95	1127	11.66
11300	719	5.2	765	5.7	810	6.4	848	6.8	887	7.5	926	8.2	960	8.7	995	9.4	1036	10.04	1066	10.6	1102	11.32	1129	12.04
11600	726	5.4	771	6	815	6.7	856	7.2	892	7.8	931	8.5	965	9	1002	9.7	1041	10.33	1070	10.9	1107	11.71	1132	12.45
11900	741	5.7	780	6.3	822	7	864	7.5	900	8.1	937	8.84	971	9.28	1006	10.05	1047	10.7	1074	10.33	1112	12.15	1135	12.95
12200	748	6	783	6.56	826	7.3	872	7.8	906	8.4	944	9.2	977	9.7	1012	10.45	1050	11.03	1081	11.71	1115	12.42	1138	13.4
12500	755	6.3	789	6.95	834	7.6	880	8.05	910	8.7	950	9.5	981	10	1016	10.8	1053	11.32	1085	12.05	1118	12.81	1141	13.81
12800	762	6.7	802	7.35	846	7.9	886	8.37	920	9	956	9.8	984	10.4	1020	11.1	1056	11.65	1091	12.4	1122	13.36	1144	14.28
13100	766	6.97	806	7.61	852	8.2	890	8.8	925	9.4	962	10.2	990	10.8	1024	11.52	1059	12.1	1094	13	1124	13.74	1147	14.66
13400	772	7.38	815	7.92	857	8.6	894	9.35	930	9.7	964	10.6	992	11.2	1027	12	1062	12.63	1096	13.5	1126	14.15	1152	14.98
13700	778	7.79	820	8.33	863	9	900	9.7	936	10.1	966	11	998	11.6	1030	12.4	1066	13.2	1098	13.95	1128	14.5	1154	15.28
14000	788	8.06	830	8.7	870	9.45	904	10	941	10.5	970	11.48	1006	12.25	1035	12.9	1070	13.67	1100	14.36	1130	14.97	1156	15.6
14300	800	8.46	836	8.9	881	10	910	10.4	947	11	976	12	1010	12.6	1040	12.34	1074	14.2	1108	14.85	1134	15.4	1159	16.15
14600	805	8.87	844	9.31	886	10.45	917	10.85	953	11.55	982	12.42	1014	13	1044	13.76	1083	14.75	1112	15.32	1140	15.84	1164	16.56
14900	815	9.14	850	9.84	893	11.15	930	11.25	960	12.05	990	12.84	1018	13.4	1050	14.18	1090	15.34	1117	15.86	1144	16.31	1166	17.8
15200	823	9.55	855	10.18	902	11.5	937	11.6	964	12.6	994	13.26	1030	13.8	1060	14.68	1096	15.84	1125	16.4	1146	16.74	1170	17.61
15500	830	9.95	864	10.5	910	12	946	12.05	967	13	1001	13.7	1040	14.2	1067	15.2	1104	15.9	1132	17	1148	17.3	1173	18.08
15800	836	10.36	875	11	916	12.4	951	12.6	974	13.34	1010	14.1	1044	14.6	1076	15.7	1110	16	1137	17.55	1156	17.71	1179	18.57
16100	847	10.78	880	11.51	920	12.75	956	13.1	980	13.74	1014	14.6	1048	15.1	1080	16.15	1113	16.4	1140	18.05	1161	18.41		
16400	851	11.2	885	12	924	13.2	959	13.6	985	14.25	1021	15.1	1052	15.6	1084	16.68	1116	16.95	1142	18.53				
16700	860	11.72	900	12.5	930	13.45	962	14.15	992	14.8	1027	15.62	1056	16.3	1087	17.28	1117	17.4						

- Notes:**
1. Values include losses for 2" filters (dirty condition), unit casing, drive & wet coils.
 2. unshaded bordered regions indicates standard 10 & 15 HP motor respectively.
 3. Alt. 20 HP motor to be used for the shaded portion.

FAN PERFORMANCE DATA 50 & 60 Hz

FAN PERFORMANCE DATA - 50 & 60HZ

Model - OCPUA 600

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																								
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
14000	788	8.06	830	8.66	870	9.45	904	10	941	10.5	970	11.48	1006	12.25	1035	12.9	1070	13.68	1100	14.36	1130	14.97	1156	15.6	
14300	800	8.46	836	8.92	881	10	910	10.4	947	11	976	12	1010	12.6	1040	13.34	1074	14.2	1108	14.85	1134	15.4	1159	16.15	
14600	805	8.87	844	9.31	886	10.45	917	10.85	953	11.55	982	12.42	1014	13	1044	13.76	1083	14.75	1112	15.32	1140	15.84	1164	16.56	
14900	815	9.14	850	9.84	893	11.15	930	11.25	960	12.05	990	12.85	1018	13.4	1050	14.18	1090	15.34	1117	15.86	1144	16.31	1166	17.18	
15200	823	9.55	855	10.18	902	11.5	937	11.6	964	12.6	994	13.26	1030	13.8	1060	14.68	1096	15.84	1125	16.4	1146	16.74	1170	17.61	
15500	830	9.95	864	10.5	910	12	946	12.05	967	13	1001	13.7	1040	14.2	1067	15.2	1104	15.4	1132	17	1148	17.25	1173	18.08	
15800	836	10.36	875	11	916	12.4	951	12.6	974	13.34	1010	14.1	1044	14.6	1076	15.7	1110	16	1137	17.55	1156	17.71	1179	18.57	
16100	847	10.78	880	11.51	920	12.75	956	13.1	980	13.74	1014	14.6	1048	15.1	1080	16.15	1113	16.4	1140	18.05	1161	18.41	1184	19.2	
16400	851	11.2	885	12	924	13.2	959	13.6	985	14.25	1021	15.1	1052	15.6	1084	16.68	1116	16.95	1142	18.53	1166	18.95	1190	19.73	
16700	860	11.72	900	12.5	930	13.45	962	14.15	992	14.8	1027	15.62	1056	16.3	1087	17.28	1117	17.4	1144	18.86	1170	19.42	1198	20.32	
17000	867	12.25	904	13	936	13.74	964	14.56	1000	15.41	1033	16.15	1060	16.9	1093	17.76	1119	18.7	1146	19.38	1176	20	1206	20.92	
17300	875	12.77	910	13.5	944	14.25	972	14.86	1008	15.84	1040	16.61	1067	17.6	1098	18.3	1130	19.4	1151	20	1182	21.61	1212	21.42	
17600	885	13.12	914	14	948	14.8	980	15.34	1016	16.4	1048	17.1	1074	18.3	1103	18.85	1135	20	1164	20.53	1191	21.4	1220	21.85	
17900	895	13.82	927	14.55	952	15.4	984	15.75	1022	17	1058	17.6	1081	19	1110	19.43	1145	20.42	1172	20.86	1198	21.58	1226	22.4	
18200	90	14.17	931	15.03	956	16.1	990	16.25	1034	17.4	1064	18.2	1091	19.65	1118	19.94	1150	20.94	1182	21.36	1204	22	1232	22.92	
18500	908	147	939	15.6	960	16.45	996	16.8	1040	18	1070	18.6	1100	20	1128	20.4	1158	21.38	1190	21.92	1208	22.5	1238	22.98	
18800	917	15.22	945	16.1	970	16.91	1002	17.4	1043	18.45	1076	19.3	1107	20.5	1134	20.73	1164	21.75	1198	22.5	1212	22.58			
19100	922	15.75	952	16.6	981	17.42	1012	18	1046	19	1084	19.7	1113	21.03	1140	21.15	1170	22.28	1206	22.92					
19400	930	16.18	961	17.2	987	18	1020	18.5	1050	19.7	1090	20.1	1120	21.42	1146	21.56	1176	22.76	1208	22.95					
19700	935	16.84	966	17.8	997	18.6	1028	19.2	1058	20.1	1094	20.5	1127	21.95	1156	21.92	1178	22.78							
20000	944	17.5	971	18.33	1007	19.32	1034	19.95	1066	20.6	1098	20.91	1132	22.42	1162	22.31	1180	22.8							

Notes: 1. Values include losses for 2" filters (dirty condition), unit casing, drive & wet coils.
 2. unshaded bordered regions indicates standard 15 & 20 HP motor respectively.
 3. Alt: 25 HP motor to be used for the shaded portion.

FAN PERFORMANCE DATA 50 & 60 Hz

FAN PERFORMANCE DATA - 50 & 60HZ

Model - OCPUA 720

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16500	659	8.35	693	9.06	725	9.66	759	10.32	793	11.16	823	11.95	855	12.78	885	13.62	912	14.48	946	15.1	974	15.75	1000	16.59
16800	662	8.64	696	9.25	729	9.95	762	10.54	795	11.35	826	12.28	858	13.12	887	14	914	14.78	949	15.45	976	16.1	1000	16.93
17100	667	8.9	701	9.54	731	10.23	765	10.87	797	11.84	830	12.52	861	13.46	889	14.3	916	15.1	952	15.75	978	16.52	1000	17.27
17400	673	9.23	705	9.91	736	10.5	770	11.34	802	12.25	834	12.9	866	13.8	891	14.58	918	15.46	954	16.03	980	16.87	1000	17.86
17700	676	9.52	710	10.11	739	10.88	772	11.75	805	12.52	838	13.34	868	14.15	894	15	921	15.75	956	16.3	981	17.15	1002	18.27
18000	681	9.81	714	10.5	745	11.26	778	12.12	808	13	841	13.8	870	14.5	897	15.31	923	16.18	958	16.8	982	17.75	1004	18.9
18300	686	10.1	719	10.76	749	11.65	781	12.5	812	13.24	845	14.1	872	14.83	899	15.64	925	16.62	960	17.15	983	18.2	1006	19.25
18600	692	10.4	721	11.15	753	11.9	785	12.87	816	13.6	847	14.33	874	15.17	901	16.04	929	17.06	962	17.67	985	18.55	1008	19.6
18900	698	10.76	726	11.55	758	12.4	788	13.25	819	13.96	850	14.8	876	15.45	904	16.47	932	17.5	964	18	987	18.9	1010	19.95
19200	702	11.1	731	11.94	761	12.88	791	13.52	823	14.31	853	15.11	878	15.95	907	16.91	935	17.93	966	18.37	988	19.25	1012	20.3
19500	706	11.42	737	12.33	766	13.3	796	14	826	14.79	855	15.51	881	16.36	910	17.3	938	18.46	970	18.9	990	19.67	1015	20.8
19800	712	11.8	747	12.86	769	13.57	800	14.37	828	15.15	858	16	885	16.95	913	17.64	941	18.95	972	19.25	992	20.12	1016	21.21
20100	717	12.12	752	13.25	775	14	808	14.87	831	15.51	862	16.36	887	17.4	916	18.22	942	19.4	973	19.67	995	20.58	1017	21.64
20400	721	12.5	754	13.65	779	14.34	812	15.2	836	15.9	867	16.83	890	17.8	920	18.66	946	19.81	974	20.1	997	21.2	1020	22.28
20700	728	12.85	757	13.91	785	14.8	816	15.5	841	16.4	869	17.4	896	18.3	924	19.1	948	20.18	976	20.6	999	21.6	1021	22.8
21000	730	13.22	760	14.3	788	15.1	820	16	843	16.84	873	17.91	900	18.71	926	19.56	952	20.5	978	21	1002	22.31		
21300	732	13.61	766	14.8	794	15.62	823	16.54	848	17.46	876	18.37	903	19.2	929	20	955	21	980	21.6	1004	22.75		
21600	734	13.9	773	15.26	802	16.07	830	17	852	17.87	880	18.83	908	19.65	932	20.56	957	21.5	982	22.2				
21900	736	14.32	775	15.57	806	16.35	832	17.3	860	18.18	882	19.15	910	20	938	21	962	21.9	989	23				
22200	738	14.73	780	15.95	812	16.88	835	17.77	863	18.71	886	19.57	914	20.62	940	21.45	964	22.46						
22500	741	15.07	784	16.47	815	17.36	840	18.2	867	19.2	892	19.95	918	21	942	22	966	23						
22800	748	15.58	790	16.88	819	17.81	843	18.66	870	19.57	897	20.43	926	21.68	944	22.46								
23100	755	16.07	798	17.36	822	18.33	847	19.25	872	19.95	900	21	929	22.1	948	23.14								
23400	758	16.55	803	17.97	829	18.98	854	19.71	879	20.62	908	21.64	931	22.61	950	23.16								
23700	764	16.96	808	18.57	832	19.38	859	20.2	885	21.23	910	22.3	932	23.07										
24000	772	17.56	815	18.98	836	19.9	863	20.8	887	21.75	915	22.86	936	23.09										

- Notes:**
1. Values include losses for 2" filters (dirty condition), unit casing, drive & wet coils.
 2. unshaded bordered regions indicates standard 15 & 20 HP motor respectively.
 3. Alt. 25 HP motor to be used for the shaded portion.

FAN PERFORMANCE DATA 50 & 60 Hz

FAN PERFORMANCE DATA - 50 & 60Hz

Model - OCPUA 840

AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (inch wg.)																							
	0.4		0.6		0.8		1		1.2		1.4		1.6		1.8		2		2.2		2.4		2.6	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
19500	706	11.42	737	12.33	766	13.3	796	14	826	14.79	855	15.51	881	16.36	910	17.3	938	18.46	970	18.9	990	19.67	1015	20.8
19800	712	11.8	747	12.86	769	13.57	800	14.37	828	15.15	858	16	885	16.95	913	17.64	941	18.95	972	19.25	992	20.12	1016	21.21
20100	717	12.12	752	13.25	775	14	808	14.87	831	15.51	862	16.36	887	17.4	916	18.22	942	19.4	973	19.67	995	20.58	1017	21.64
20400	721	12.5	754	13.65	779	14.34	812	15.2	836	15.9	867	16.83	890	17.8	920	18.66	946	19.81	974	20.1	997	21.2	1020	22.28
20700	728	12.85	757	13.91	785	14.8	816	15.5	841	16.4	869	17.4	896	18.3	924	19.1	948	20.18	976	20.6	999	21.6	1021	22.8
21000	730	13.22	760	14.3	788	15.1	820	16	843	16.84	873	17.91	900	18.71	926	19.56	952	20.5	978	21	1002	22.31		
21300	732	13.61	766	14.8	794	15.62	823	16.54	848	17.46	876	18.37	903	19.2	929	20	955	21	980	21.6	1004	22.75		
21600	734	13.9	773	15.26	802	16.07	830	17	852	17.87	880	18.83	908	19.65	932	20.56	957	21.5	982	22.2				
21900	736	14.32	775	15.57	806	16.35	832	17.3	860	18.18	882	19.15	910	20	938	21	962	21.9	989	23				
22200	738	14.73	780	15.95	812	16.88	835	17.77	863	18.71	886	19.57	914	20.62	940	21.45	964	22.46						
22500	741	15.07	784	16.47	815	17.36	840	18.2	867	19.2	892	19.95	918	21	942	22	966	23						
22800	748	15.58	790	16.88	819	17.81	843	18.66	870	19.57	897	20.43	926	21.68	944	22.46								
23100	755	16.07	798	17.36	822	18.33	847	19.25	872	19.95	900	21	929	22.1	948	23.14								
23400	758	16.55	803	17.97	829	18.98	854	19.71	879	20.62	908	21.64	931	22.61										
23700	764	16.96	808	18.57	832	19.38	859	20.2	885	21.23	910	22.3	932	23.07										
24000	772	17.56	815	18.98	836	19.9	863	20.8	887	21.75	915	22.86												

Notes: 1. Values include losses for 2" filters (dirty condition), unit casing, drive & wet coils.
 2. standard 20 HP motor to be used for the unshaded portion.
 3. Alt. 25 HP motor to be used for the shaded portion.

SOUND LEVEL DATA

To obtain sound pressure level measured 5 ft. (1.6 m) directly opposite the center of blower inlet:

1. From performance table at operating conditions, find BHP, RPM and static efficiency (SE).

$$SE = (CFM \times TSP) / 6362 \times BHP \text{ (See step 4 \& table below).}$$

2. Read dBA level from respective graph at operating BHP & SE (%)

3. Knowing RPM, select proper row from sound power factor table and dBA level to each values in row to obtain sound Power level (dB re 10⁻¹²).

4. Calculate TSP (Total Static Pressure) as follows:

$$TSP = ISP + ESP$$

ESP (External Static Pressure) from Job Specification.

ISP (Internal Static Pressure) Calculate from table Below.

FACE VELOCITY (FPM)	INTERNAL STATIC PRESSURE (inch wg.)		
	3 ROW	4 ROW	5 ROW
300	0.62	0.70	0.74
400	0.98	1.10	1.14
500	1.25	1.37	1.50
600	1.51	1.61	1.87

Notes:

- 1) If you have additional section such as bag filter, drip eliminator, etc., add internal losses as shown in the static pressure drop table.
- 2) Pressure drop across filter, coil and blower are included in ISP.

STATIC PRESSURE DROP

STATIC PRESSURE DROP (inch wg.) FOR OPTIONAL MODULES

COMPONENT	PRESSURE DROP
BAG FILTER	0.5
DRIP ELIMINATOR	0.13
ECONOM IZE R	0.1 to 0.2

NOTE: Add the above pressure drop values based on the optional items chosen.

BLOWER MOTOR EFFICIENCY

BLOWER MOTOR EFFICIENCY

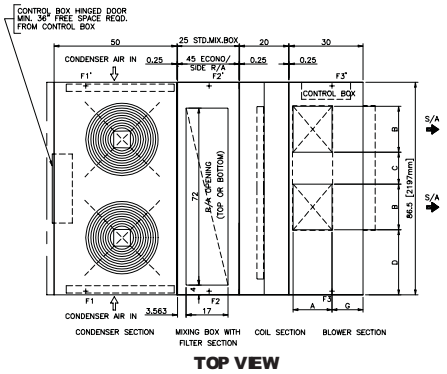
MOTOR	EFFICIENCY (%)
7.5 HP	0.855
10 HP	0.865
15 HP	0.910
20 HP	0.917
25 HP	0.917

NOTE: Convert BHP to watts using following formula

$$\text{Watts} = \frac{746 \times \text{BHP}}{\text{Motor Efficiency}}$$

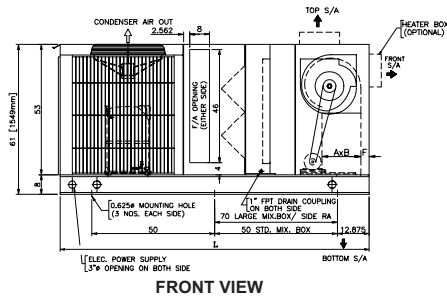
UNIT DIMENSIONS

MODEL No.: OCPUA 240/300
Front Fan arrangement

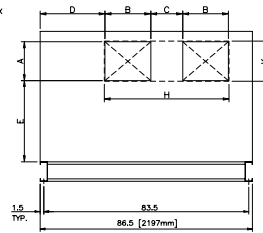


DIMENSIONS	ARRANGEMENT		
	TOP DISCHARGE	BOTTOM DISCHARGE	FRONT DISCHARGE
S/A OPENING W/O HEATERS A x B	15,937x18,718	15,937x18,718	15,937x18,718
S/A OPENING WITH HEATERS H x K	50,842x16,437	50,842x16,437	50,842x16,437
C	12,906	12,906	12,906
D	26,375	26,375	26,375
E	—	—	33,031
F	—	4,219	—
G	12,531	—	—
L	125.75 [3194mm] (STD. MIXING BOX)	145.75 [3702mm] (ECONOMIZER/ SIDE RETURN AIR)	

TOP VIEW

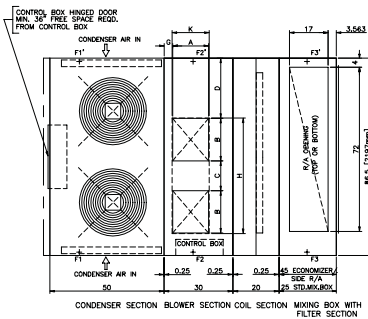


FRONT VIEW



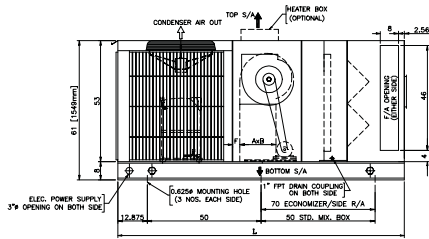
END VIEW

MODEL No.: OCPUA 240/300
Middle fan arrangement

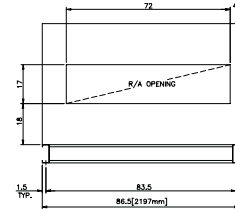


DIMENSIONS	ARRANGEMENT		
	TOP DISCHARGE	BOTTOM DISCHARGE	
S/A OPENING W/O HEATERS A x B	15,937 x 18,718	15,937 x 18,718	
S/A OPENING WITH HEATERS H x K	50,842 x 16,437	50,842 x 16,437	
C	12,906	12,906	
D	26,375	26,375	
F	1,532	4,219	
G	15,520	—	
L	125.75 [3194mm] (STD. MIXING BOX)	145.75 [3702mm] (ECONOMIZER/SIDE RETURN AIR)	

TOP VIEW



FRONT VIEW

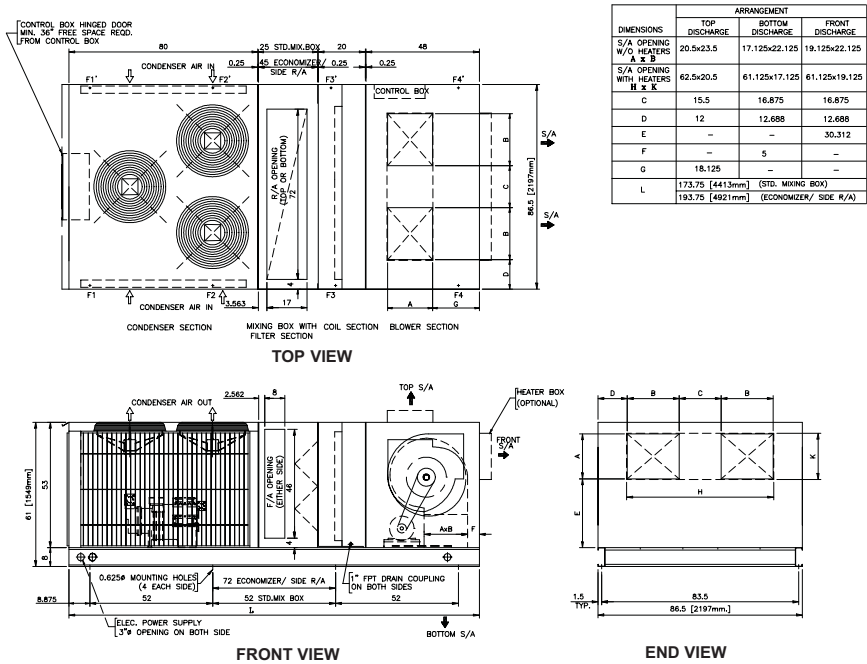


END VIEW

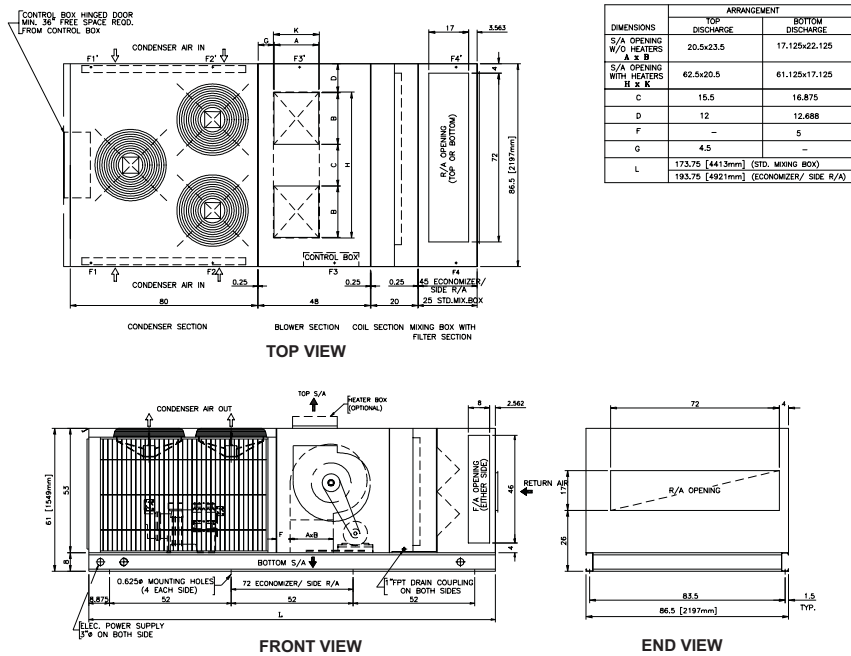
- Notes:**
- All dimensions are in inches unless otherwise noted.
 - Service clearance should be 1200mm (4 feet) on all sides.
 - Add extra length for optional unit accessories. A) Drip eliminator section - 12" to overall unit length L. B) Bag filter section - 27" to overall unit length L.
 - F1, F2,... are mounting hole locations.
 - Standard mixing box with low velocity filter & large mixing box (side return air) with high velocity filter.

UNIT DIMENSIONS

MODEL No.: OCPUA 360/420
Front fan arrangement



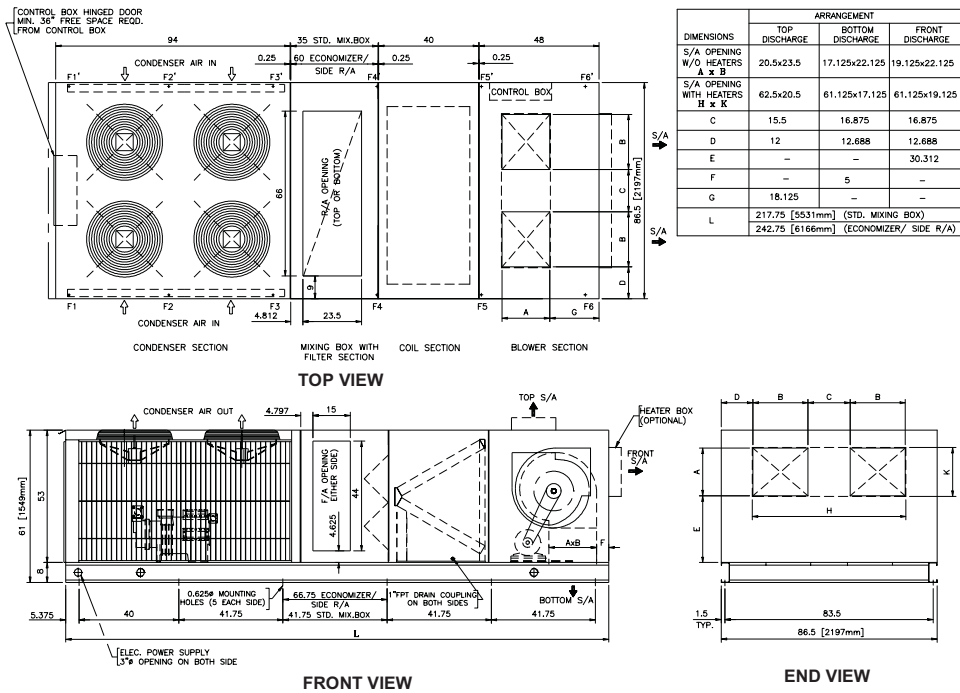
MODEL No.: OCPUA 360/420
Middle fan arrangement



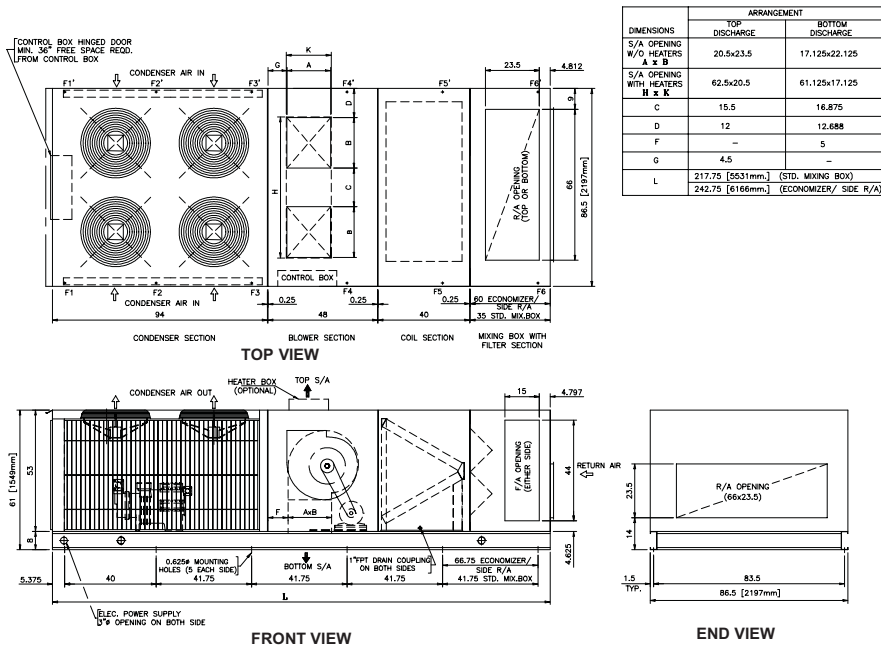
- Notes:**
1. All dimensions are in inches unless otherwise noted.
 2. Service clearance should be 1200mm (4 feet) on all sides.
 3. Add extra length for optional unit accessories. A) Drip eliminator section - 12" to overall unit length L. B) Bag filter section - 27" to overall unit length L.
 4. F1, F2,... are mounting hole locations.
 5. Standard mixing box with low velocity filter & large mixing box (side return air) with high velocity filter.

UNIT DIMENSIONS

MODEL No.: OCPUA 480/600
Front fan arrangement



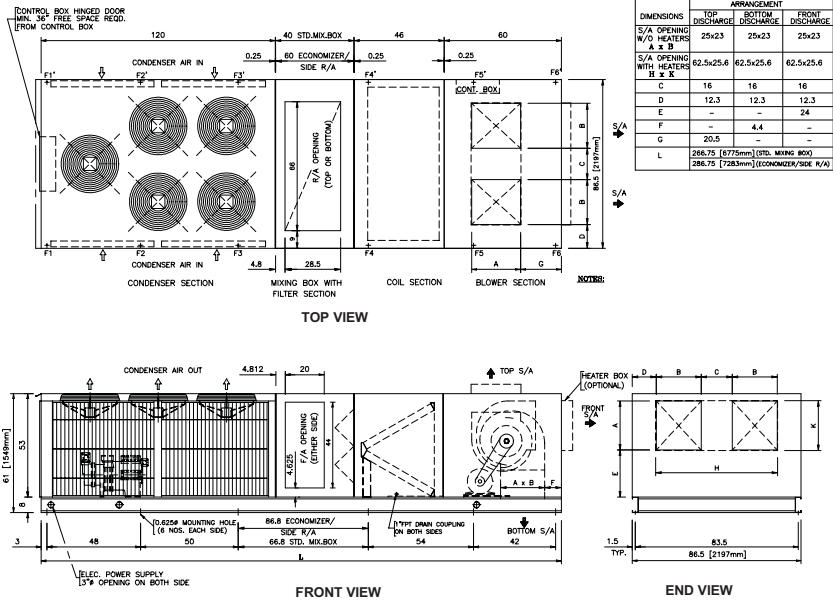
MODEL No.: OCPUA 480/600
Middle fan arrangement



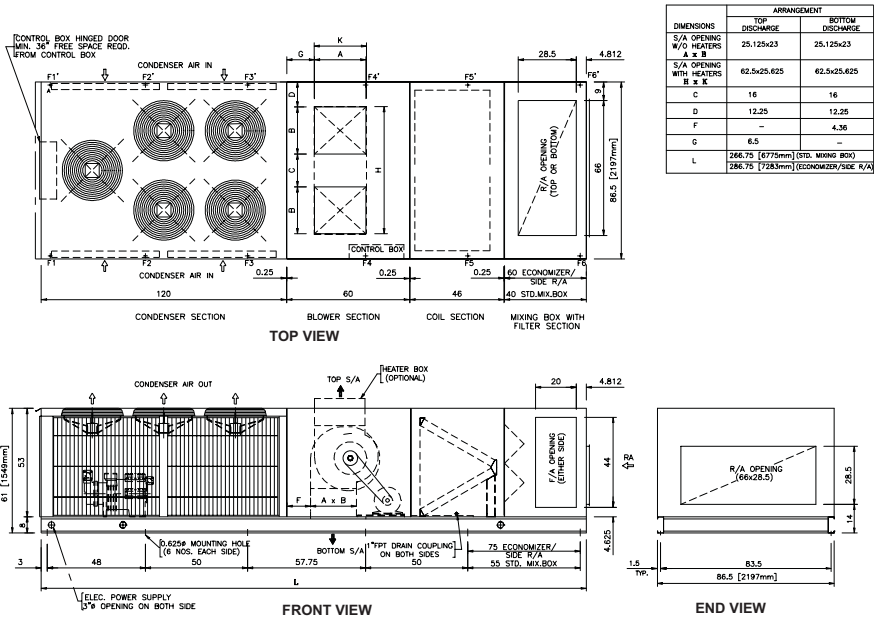
- Notes:**
1. All dimensions are in inches unless otherwise noted.
 2. Service clearance should be 1200mm (4 feet) on all sides.
 3. Add extra length for optional unit accessories. A) Drip eliminator section - 12" to overall unit length L. B) Bag filter section - 27" to overall unit length L.
 4. F1, F2.... are mounting hole locations.
 5. Standard mixing box with low velocity filter & large mixing box (side return air) with high velocity filter.

UNIT DIMENSIONS

MODEL No.: OCPUA 720
Front fan arrangement



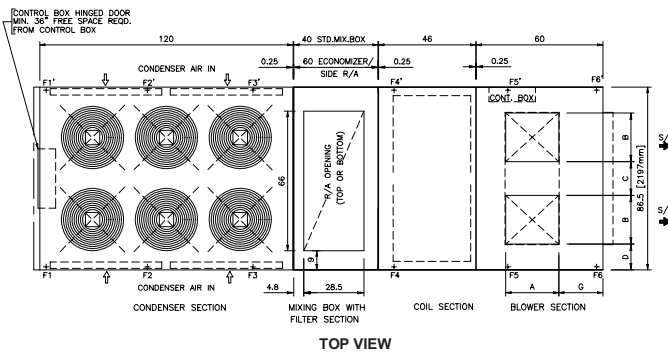
MODEL No.: OCPUA 720
Middle fan arrangement



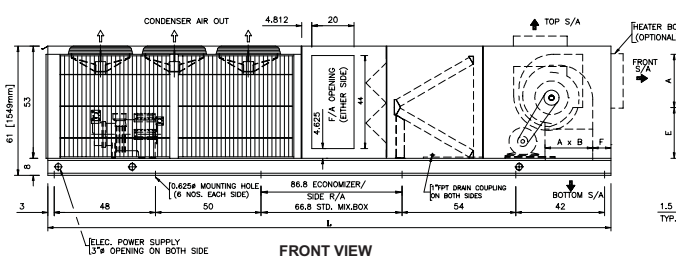
- Notes:**
1. All dimensions are in inches unless otherwise noted.
 2. Service clearance should be 1200mm (4 feet) on all sides.
 3. Add extra length for optional unit accessories. A) Drip eliminator section - 12" to overall unit length L. B) Bag filter section - 27" to overall unit length L.
 4. F1, F2... are mounting hole locations.
 5. Standard mixing box with low velocity filter & large mixing box (side return air) with high velocity filter.

UNIT DIMENSIONS

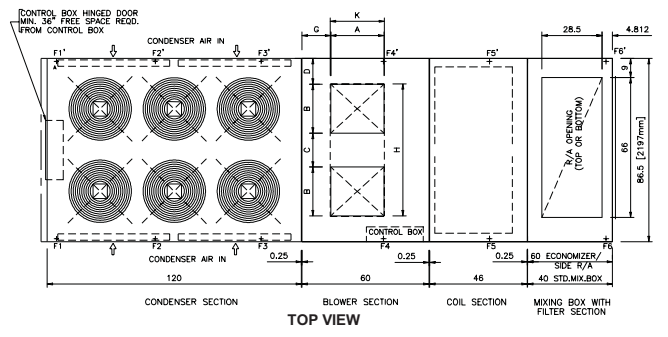
MODEL No.: OCPUA 840
Front fan arrangement



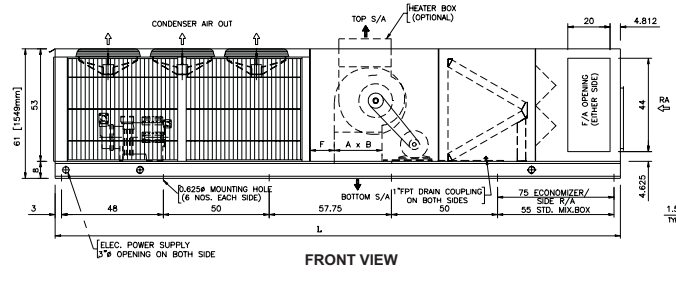
DIMENSIONS	ARRANGEMENT		
	TOP DISCHARGE	BOTTOM DISCHARGE	FRONT DISCHARGE
S/A OPENING W/O HEATERS A x B	25x23	25x23	25x23
S/A OPENING WITH HEATERS H x K	62.5x25.6	62.5x25.6	62.5x25.6
C	16	16	16
D	12.3	12.3	12.3
E	-	-	24
F	-	4.4	-
G	20.5	-	-
L	266.75 [6775mm] (STD. MIXING BOX)	-	-
	266.75 [7283mm] (ECONOMIZER/SIDE R/A)	-	-



MODEL No.: OCPUA 840
Middle fan arrangement



DIMENSIONS	ARRANGEMENT	
	TOP DISCHARGE	BOTTOM DISCHARGE
S/A OPENING W/O HEATERS A x B	25.125x23	25.125x23
S/A OPENING WITH HEATERS H x K	62.5x25.625	62.5x25.625
C	16	16
D	12.25	12.25
F	-	4.36
G	6.5	-
L	266.75 [6775mm] (STD. MIXING BOX)	-
	266.75 [7283mm] (ECONOMIZER/SIDE R/A)	-

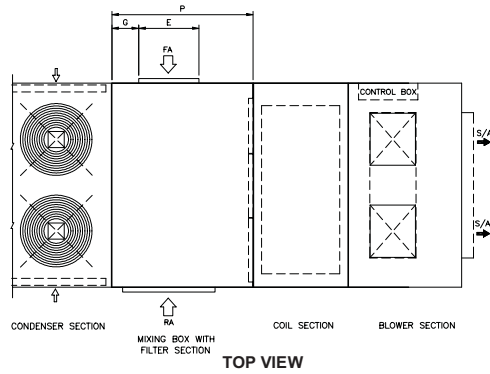


- Notes:**
1. All dimensions are in inches unless otherwise noted.
 2. Service clearance should be 1200mm (4 feet) on all sides.
 3. Add extra length for optional unit accessories. A) Drip eliminator section - 12" to overall unit length L. B) Bag filter section - 27" to overall unit length L.
 4. F1, F2... are mounting hole locations.
 5. Standard mixing box with low velocity filter & large mixing box (side return air) with high velocity filter.

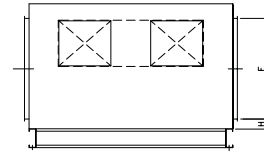
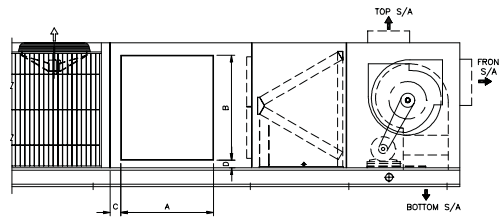
FAN ARRANGEMENT

FRONT FAN ARRANGEMENT (SIDE RETURN AIR SECTION)

MODEL No.: OCPUA 240 - OCPUA 840



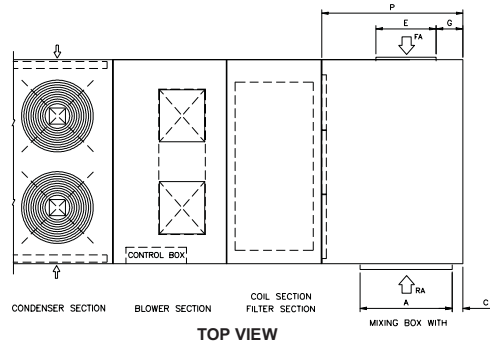
DIMENSIONS	ARRANGEMENT		
	OCPUA240/300 360/420	OCPUA480/600	OCPUA720/840
A x B	27x46	42x45	42x45
C	3.062	4.25	4.25
D	3.75	4	4
E x F	8x46	15x44	20x44
G	18.5	17.5	15
H	3.75	3	3
P	45	60	60



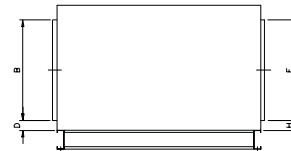
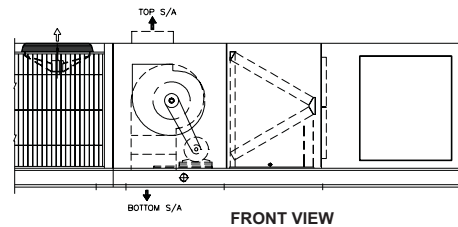
Note: All dimensions are in inches unless otherwise noted.

MIDDLE FAN ARRANGEMENT (SIDE RETURN AIR SECTION)

MODEL No.: OCPUA 240 - OCPUA 840



DIMENSIONS	ARRANGEMENT		
	OCPUA240/300 360/420	OCPUA480/600	OCPUA720/840
A x B	27x46	42x45	42x45
C	3.062	4.25	4.25
D	3.75	4	4
E x F	8x46	15x44	20x44
G	18.5	17.5	15
H	3.75	3	3
P	45	60	60

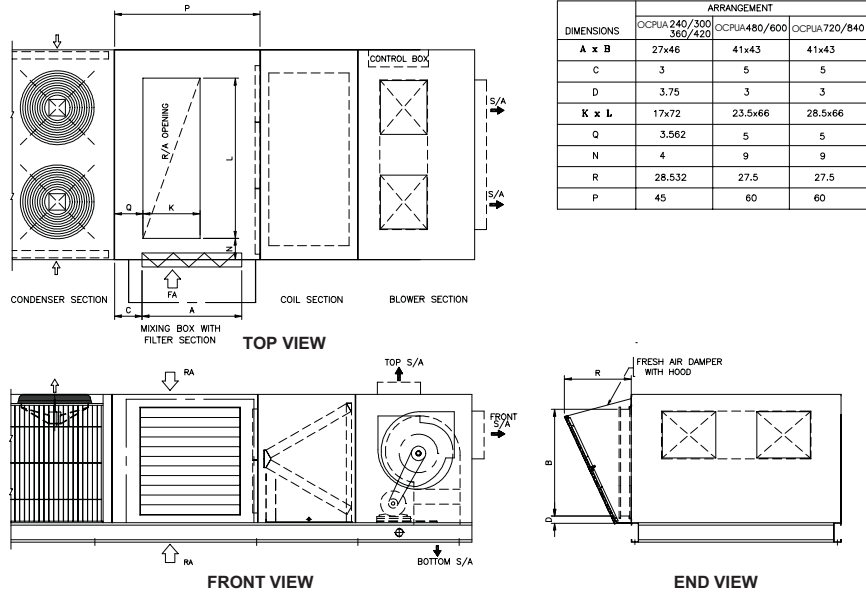


Note: All dimensions are in inches unless otherwise noted.

FAN ARRANGEMENT

FRONT FAN ARRANGEMENT (ECONOMIZER SECTION)

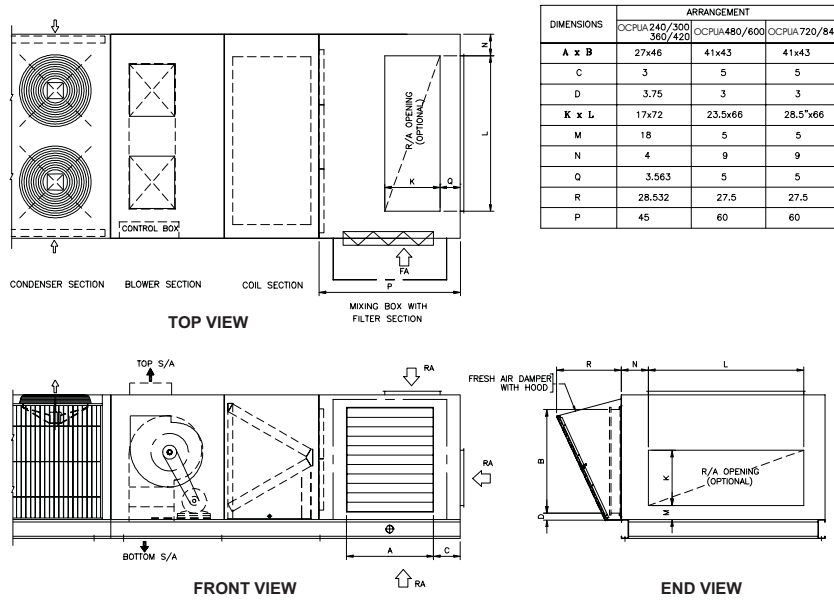
MODEL No.: OCPUA 240 - OCPUA 840



Note: All dimensions are in inches unless otherwise noted.

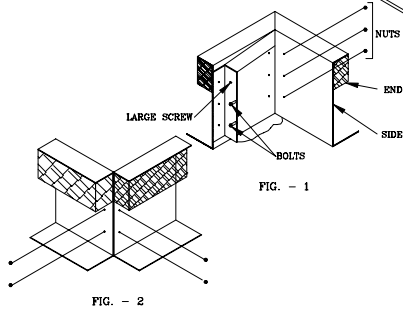
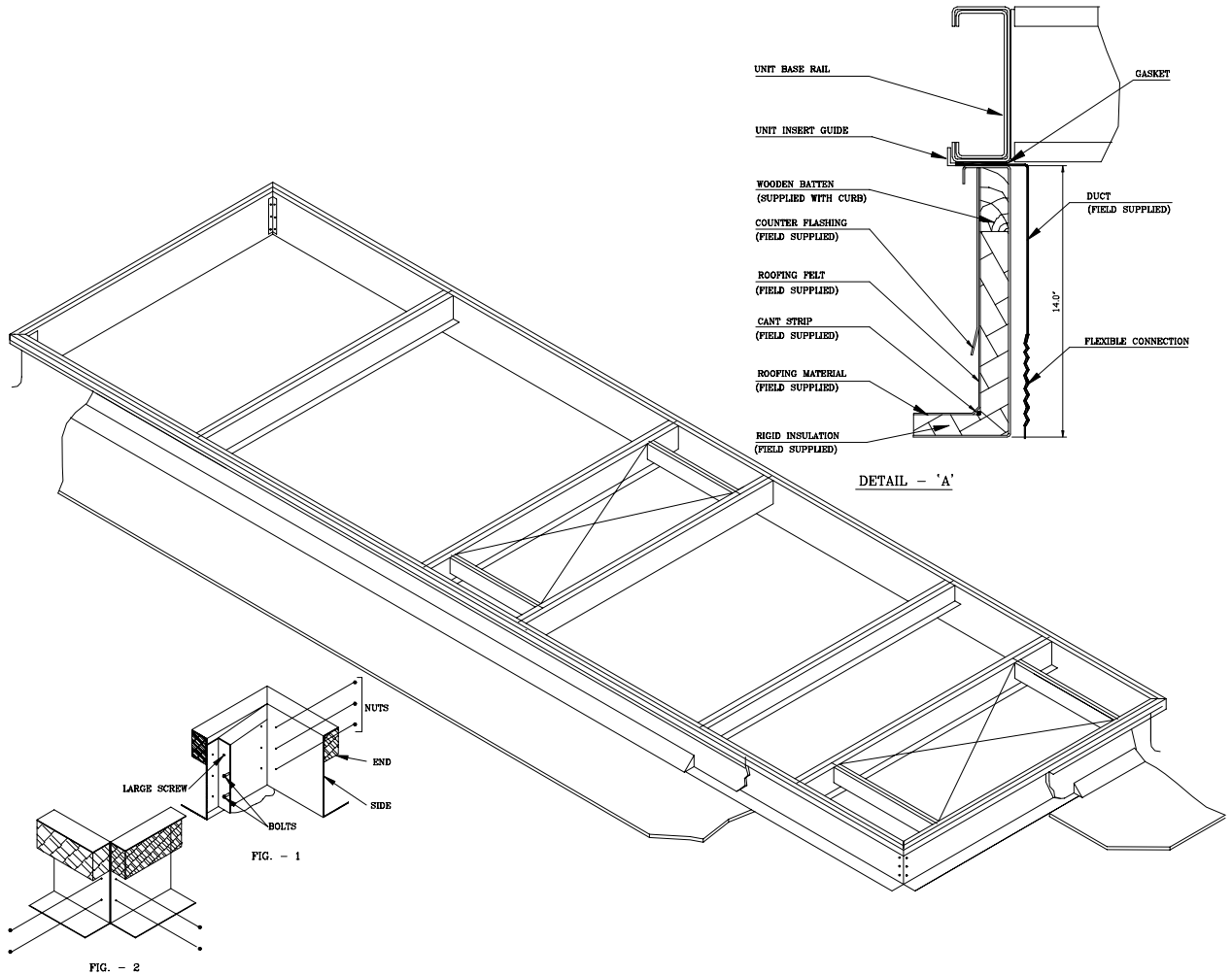
MIDDLE FAN ARRANGEMENT (ECONOMIZER SECTION)

MODEL No.: OCPUA 240 - OCPUA 840



Note: All dimensions are in inches unless otherwise noted.

ROOF CURB

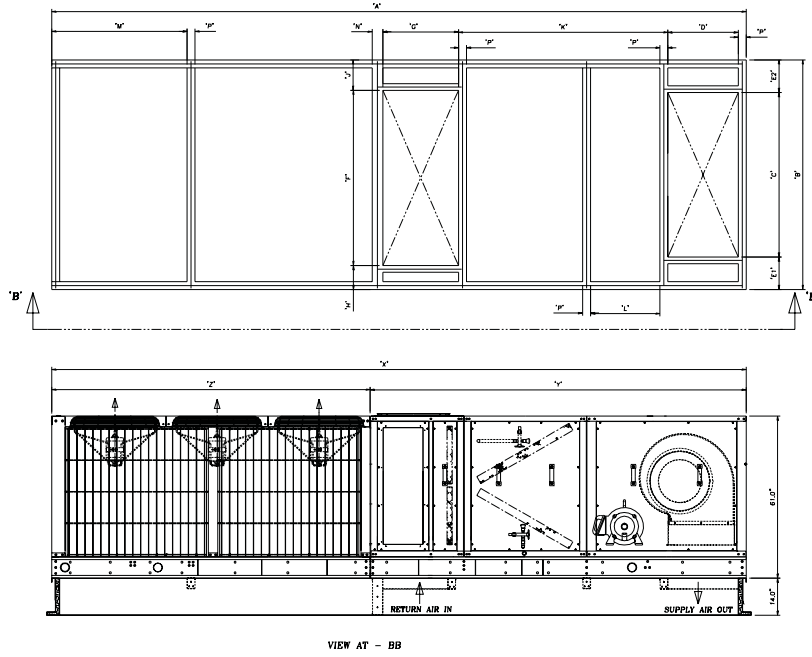


Notes:

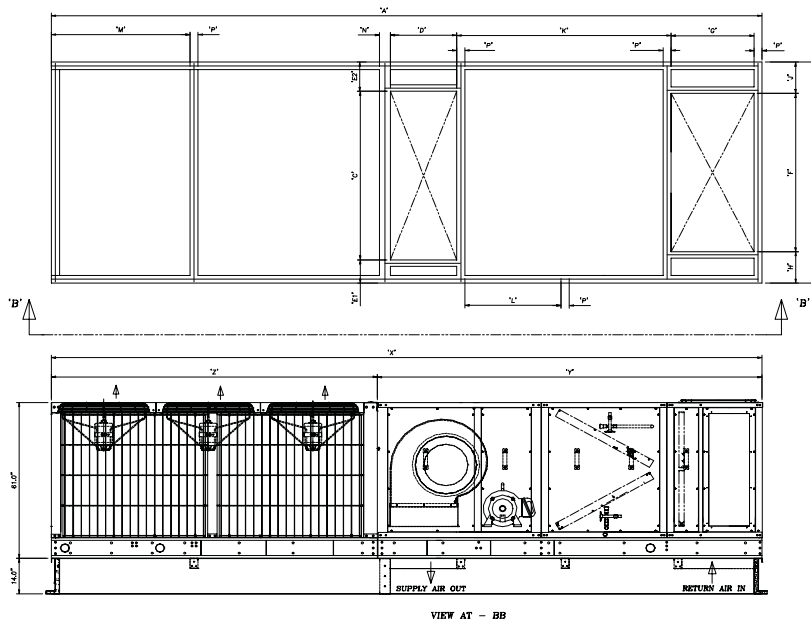
1. Roof curb accessory is shipped, disassembled.
2. Insulate panels with 1" thick fiberglass insulation.
3. Roof curb is 14 gauge galvanized steel.
4. Attach ductwork to the flanges of the roof curb.
5. Service clearance is 1200 mm (4 feet) on all sides.
6. All dimensions are in inches.

ROOF CURB ASSEMBLY

MODEL No.: OCPUA 240 - OCPUA 840
Front fan arrangement



MODEL No.: OCPUA 240 - OCPUA 840
Middle fan arrangement





ROOF CURB ASSEMBLY - DIMENSIONS

MODEL:OCPUA240/300

ARRANGEMENT	DIMENSIONS (INCHES)																	ENDPRODUCTNUMBER	
	A	B	C	D	E1	E2	F	G	H	J	K	M	N	P	X	Y	Z	FRONT FAN	MIDDLE FAN
I	125.8	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	34.8	27	3.6	4.2	125.8	75.7	50.1	700-390-70	700-390-80
II	138	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	47	27	3.6	4.2	138	87.9	50.1	700-390-69	700-390-79
III	145.8	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	54.8	27	3.6	4.2	145.8	95.7	50.1	700-390-68	700-390-78
IV	158	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	67	27	3.6	4.2	158	107.9	50.1	700-390-67	700-390-77
V	153	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	62	27	3.6	4.2	153	102.9	50.1	700-390-66	700-390-76
VI	165.3	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	74.3	27	3.6	4.2	165.3	115.2	50.1	700-390-65	700-390-75
VII	173	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	82	27	3.6	4.2	173	122.9	50.1	700-390-64	700-390-74
VIII	185.3	86.5	50.3	16.1	26.3	9.9	72	17	4	10.5	94.3	27	3.6	4.2	185.3	135.2	50.1	700-390-63	700-390-73

MODEL:OCPUA360/420

ARRANGEMENT	DIMENSIONS (INCHES)																	ENDPRODUCTNUMBER	
	A	B	C	D	E1	E2	F	G	H	J	K	M	N	P	X	Y	Z	FRONT FAN	MIDDLE FAN
I	173.8	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	51.8	45.5	3.6	4.2	173.8	93.7	80.1	700-390-50	700-390-60
II	186	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	64	45.5	3.6	4.2	186	105.9	80.1	700-390-49	700-390-59
III	193.8	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	71.8	45.5	3.6	4.2	193.8	113.7	80.1	700-390-48	700-390-58
IV	206	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	84	45.5	3.6	4.2	206	125.9	80.1	700-390-47	700-390-57
V	201	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	79	45.5	3.6	4.2	201	120.9	80.1	700-390-46	700-390-56
VI	213.3	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	91.3	45.5	3.6	4.2	213.3	133.2	80.1	700-390-45	700-390-55
VII	221	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	99	45.5	3.6	4.2	221	140.9	80.1	700-390-44	700-390-54
VIII	235.3	86.5	61.1	17.1	12.7	12.7	72	17	4	10.5	111.3	45.5	3.6	4.2	233.3	153.2	80.1	700-390-43	700-390-53

MODEL:OCPUA480/600

ARRANGEMENT	DIMENSIONS (INCHES)																	END PRODUCT No.		
	A	B	C	D	E1	E2	F	G	H	J	K	L	M	N	P	X	Y	Z	FRONT FAN	MIDDLE FAN
I	217.8	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	71.9	33	51	4	3	217.8	123.5	94.3	700-390-30	700-390-40
II	230	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	84.1	38	51	4	3	230	135.7	94.3	700-390-29	700-390-39
III	242.8	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	96.9	45	51	4	3	242.8	148.5	94.3	700-390-28	700-390-38
IV	255	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	109.1	50.5	51	4	3	255	160.7	94.3	700-390-27	700-390-37
V	245	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	99.1	47.5	51	4	3	245	150.7	94.3	700-390-26	700-390-36
VI	257.3	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	111.4	61.5	51	4	3	257.3	163	94.3	700-390-25	700-390-35
VII	270	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	124.1	59	51	4	3	270	175.7	94.3	700-390-24	700-390-34
VIII	282.3	86.5	62.1	19.6	12.2	12.2	67	24.5	8.6	10.9	136.4	64	51	4	3	282.3	188	94.3	700-390-23	700-390-33

ROOF CURB ASSEMBLY - DIMENSIONS

MODEL: OCPUA 720/840

ARRANGEMENT	DIMENSIONS (INCHES)																		END PRODUCT No.	
	A	B	C	D	E1	E2	F	G	H	J	K	L	M	N	P	X	Y	Z	FRONT FAN	MIDDLE FAN
I	266.8	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	83.4	40	51	4	3	266.8	146.7	120.1	700-390-10	700-390-20
II	279	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	95.6	46.1	51	4	3	279	158.9	120.1	700-390-08	700-390-18
III	286.8	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	103.4	50	51	4	3	286.8	166.7	120.1	700-390-09	700-390-19
IV	299	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	115.6	56.1	51	4	3	299	178.9	120.1	700-390-07	700-390-17
V	304	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	120.6	58.6	51	4	3	304	183.9	120.1	700-390-06	700-390-16
VI	316.3	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	132.9	64.8	51	4	3	316.3	196.2	120.1	700-390-05	700-390-15
VII	324	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	140.6	68.6	51	4	3	324	203.9	120.1	700-390-04	700-390-14
VIII	336.3	86.5	62	27	12.3	12.3	67	29.5	8.6	10.9	152.9	74.8	51	4	3	336.3	216.2	120.1	700-390-03	700-390-13

UNIT ARRANGEMENTS

- I Standard mixing box
- II Standard mixing box/drip eliminator
- III Large mixing box/economizer
- IV Large mixing box/economizer and drip eliminator
- V Standard mixing box and bag filter
- VI Standard mixing box, bag filter and drip eliminator
- VII Large mixing box/economizer and bag filter
- VIII Large mixing box/economizer, bag filter and drip eliminator

- NOTES:**
- In arrangement II to VIII, the additionally mentioned items are optional.
 - Base roof curb dimensions are varies to each model (refer to dimensional drawings).
 - When ordering roof curb, please quote the complete End Product Number .

ROOF CURB ASSEMBLY

- Remove curb from packing. Joint together one end and one side of the curb. Secure a corner bracket on the inside of the curb with three bolts .
- Screw nuts from the outside of the curb and bracket .
- Repeat the two previous steps until the roof curb is fully assembled.
- Install the insulated middle rails.
- Align the supports until the holes are match with the curb and mid rail holes, then screw is place with taptite screws.

ROOF CURB INSTALLATION

- Cut roof opening to specified size and place curb over the opening.
CAUTION : Roof curb must be installed levelled for proper unit and accessory fit.
- Insulate and add cant strip to the curb. Follow the suggested roofing procedures or acceptable procedures for applying roofing. The roofing belt should be extended up to the wood nailer and be secured with counter flashing.

SIDE BY SIDE DUCT INSTALLATION

- Install sheet metal duct which should conform to local standards.
- Attach gasket around top perimeter of curb. The duct may be secured and hung from the top edges of the curb. Attach gasket on the top of duct flange.
- Roof opening should be cut exactly to fit the return and supply air duct sizes to avoid equipment noise transmission inside the conditioned space.

CAUTION : Do not screw the duct works on the top of the curb.

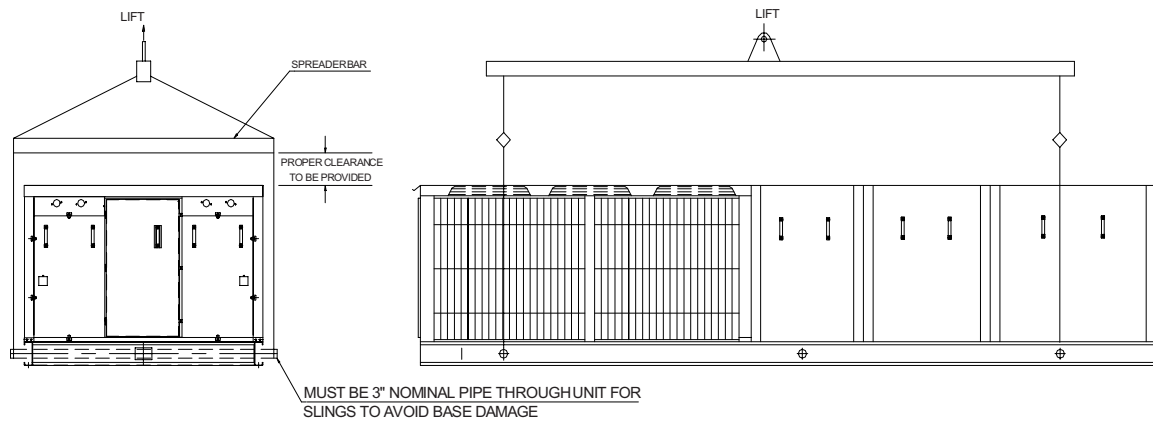
RIGGING INSTRUCTIONS

ATTENTION TO RIGGERS

Hook rigging sling thru holes in base rail, as shown below.
Holes in base rail are centered around the unit center of gravity.
Use spreader bar when rigging, to prevent the slings from damaging the unit.

CAUTION

All panels should be in place when rigging.
Care must be taken to avoid damage to the coils during handling.



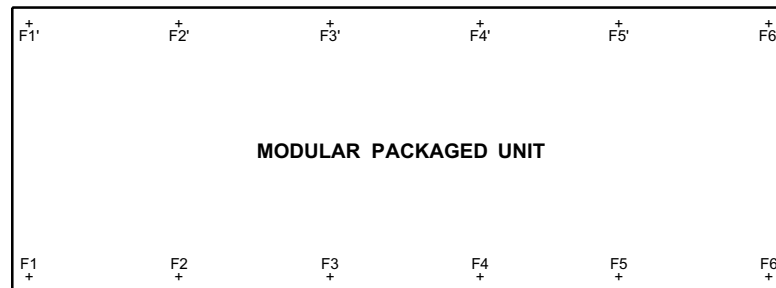
WEIGHT DISTRIBUTION

FRONT FAN ARRANGEMENT

MODEL NUMBER	LOAD DISTRIBUTION AT POINTS - KG						TOTAL LOAD (KG)
	F1/F1'	F2/F2'	F3/F3'	F4/F4'	F5/F5'	F6/F6'	
OCPUA 240	516	536	448	N.A.	N.A.	N.A.	1500
OCPUA 300	540	570	490	N.A.	N.A.	N.A.	1600
OCPUA 360	550	500	478	422	N.A.	N.A.	1950
OCPUA 420	575	525	478	422	N.A.	N.A.	2000
OCPUA 480	500	500	447	358	332	363	2500
OCPUA 600	525	525	477	393	361	374	2655
OCPUA 720	640	640	553	445	442	480	3200
OCPUA 840	700	700	608	491	480	521	3500

MIDDLE FAN ARRANGEMENT

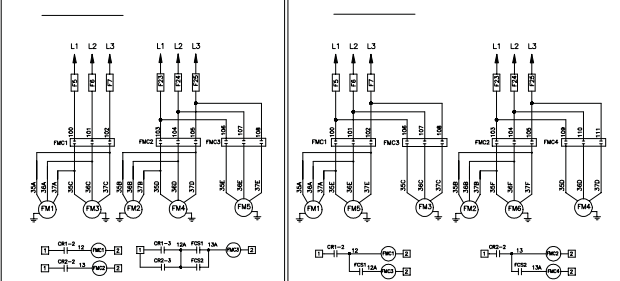
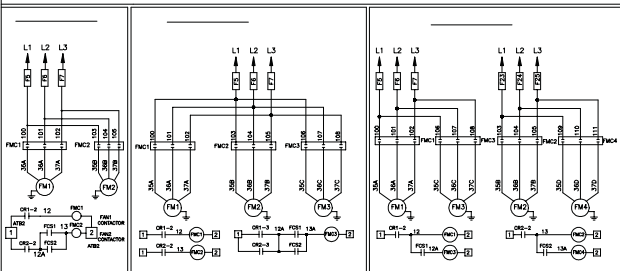
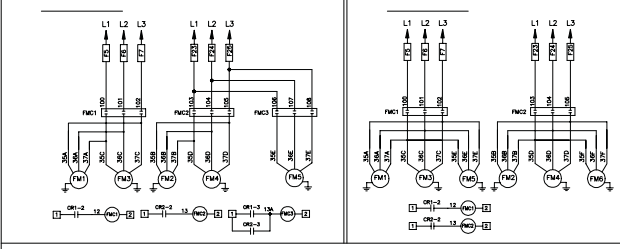
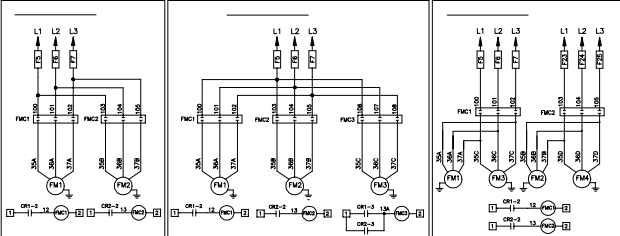
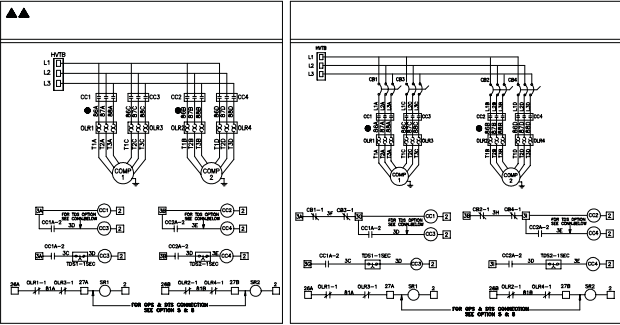
MODEL NUMBER	LOAD DISTRIBUTION AT POINTS - KG						TOTAL LOAD (KG)
	F1/F1'	F2/F2'	F3/F3'	F4/F4'	F5/F5'	F6/F6'	
OCPUA 240	516	624	360	N.A.	N.A.	N.A.	1500
OCPUA 300	540	650	410	N.A.	N.A.	N.A.	1600
OCPUA 360	550	500	422	478	N.A.	N.A.	1950
OCPUA 420	575	525	422	478	N.A.	N.A.	2000
OCPUA 480	500	500	341	443	323	393	2500
OCPUA 600	525	525	346	472	355	432	2655
OCPUA 720	640	640	440	585	430	465	3200
OCPUA 840	700	700	481	635	477	507	3500



NOTE: Please refer to the dimensional drawings for distance between points/mounting holes.

TYPICAL SCHEMATIC WIRING DIAGRAM

MODELS : OCPUA240 - OCPUA840 (WITH DUAL SYSTEMIZER BOARD)
POWER SUPPLY : 380-3-60
380/415-3-50



LEGEND	
AI	ANTI ICE THERMOSTAT
AHU	AIR HANDLING UNIT
ATB	AUXILIARY TERMINAL BLOCK
BM	BLOWER MOTOR
BMC	BLOWER MOTOR CONTACTOR
CC	COMPRESSOR CONTACTOR
CB	CIRCUIT BREAKER
C. HTR	CRANKCASE HEATER
CLO	COMPRESSOR LOCKOUT
COMP	COMPRESSOR
CAP	CAPACITOR
FL	FUSE LINK
FCS	FAN CYCLING SWITCH
FM	FAN MOTOR (CONDENSER)
FMC	FAN MOTOR CONTACTOR
FR	FAULT RELAY
HC	HEATER CONTACTOR
HPS	HIGH PRESSURE SWITCH
HVTB	HIGH VOLTAGE TERMINAL BLOCK
HR	HEATER RELAY
JP	JUMPER
L1	LINE 1
L2	LINE 2
L3	LINE 3
LPS	LOW PRESSURE SWITCH
LUG	LUG GROUND
N	NEUTRAL
NTB	NEUTRAL TERMINAL BLOCK
SR	SAFETY RELAY
SD	SMOKE DETECTOR
SSPS	SOLID STATE PROTECTIVE SYSTEM
TRANS	TRANSFORMER
T*STAT	THERMOSTAT
UVM	UNDER VOLTAGE MONITOR
VFC	VOLT FREE CONTACT
YR	COOLING RELAY
---	FIELD WIRING
+	DISCONNECT TAB - 1/4"
⊙	SPLICE-CLOSED END

NOTES

- ANY WIRE REPLACEMENT SHOULD BE OF THE 90°C OR ITS EQUIVALENT.
- USE COPPER CONDUCTOR WIRES ONLY.
- POWER MUST BE SUPPLIED TO CRANKCASE HEATER FOR MINIMUM OF 12 HOURS PRIOR TO SYSTEM START UP.
IF POWER IS OFF 6 HOURS OR MORE, CRANKCASE HEATER MUST BE ON FOR 12 HOURS BEFORE OPERATING THE SYSTEM.
FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN COMPRESSOR DAMAGE.
- FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER TO BE PROVIDED BY END USER WITH RATING AS RECOMMENDED BY OMRAN TAHVIEH.
- IF PDS IS FACTORY INSTALLED, PLEASE READ BROKEN LINES AS CONTINUOUS LINES.
- PLEASE ALLOW 2-3 MINUTES FOR SSPS SWITCH TO CLOSE, BEFORE STARTING THE UNIT.
- USE DISCONNECT TAB **+** OR SPLICE ONLY WHEREVER REQUIRED FOR EXTENSION OF ORIGINAL WIRE.
- REMOVE JUMPER FOR ANTI-ICE OPTION, ROUTE ANTI-ICE WIRES FROM AHU.
- ▲ HVTB 1 NOT REQUIRED FOR NON HEATER MODELS.
- ▲▲ REQUIRED FOR PARTWIND START MODELS ONLY.
- A 3 TO 4 MINUTE (APPROX.) BUILT-IN SHORT CYCLE PROTECTION FOR COMPRESSOR IS AVAILABLE IN OMRAN ELECTRONIC THERMOSTAT.
- FOR ANY SAFETY TRIP OF COMP. (FAULT), VOLTAGE ACROSS TERMINAL 4 & 2 OF SYSTEMIZER IS 24 VAC. ALSO COMPRESSOR LOCKOUT LIGHT IS ON.

INSTALLATION

1. Provide a concrete pad or another form of stand. Use 6-12 each rubber/cork pads 4" x 4" x 1" thick each (rubber-in-Shear for example) at each corner and along side rails, or use 6-12 each spring isolators.
2. Service Clearance: To avoid condenser air obstructions/recirculation, and to give adequate service space, indicated clearances must be observed.
3. The electric supply must comply with the unit nameplate. See the typical wiring diagram for guidance.
4. All units are pre-charged with R-22 and oil, sealed and tested for leaks. Therefore do not attempt to open the system.
5. Install a flexible connection for duct work to minimize vibration transmission. Connect drain pipe (copper or PVC) to the nearest drain pit.
6. Care should be taken in locating the roof curb & roof opening. The packaged unit should be adequately mounted on roof .
7. Install & secure ductwork to curb prior to mounting unit on the roof curb.

RECOMENDED SPARE PARTS

ITEM	PERCENTAGE OF SPARE PARTS			
	ONE YEAR SUPPLY		TWO YEAR SUPPLY	
	100 UNITS	1000 UNITS	100 UNITS	1000 UNITS
Compressor	2%	1%	3%	2%
Capacitor	3	2	5	4
Condenser fan motor	2	1	3	2
Evaporator blower motor	1	0.5	2	1
Belt	2	1	4	3
Contactora compressor	2	1	3	2
Contactora heater	2	1	3	2
Contactora fan motors	2	1	3	2
HPC/LPC/other controls	2	1	3	2
Expansion valve	1	0.5	2	1
Filter drier	2	1	3	2
Electric heater	1	0.5	2	1
Fuse link, heater	3	1	4	3
Transformer (24V secondary)	1	0.5	2	1
Propeller fan	1	0.5	2	1
Blower Wheel	0.5	0.25	1	0.5
Bearing-blower	2	1	4	2
Thermostat (Wall)	1	1	2	1
Heater-crankcase	3	1	4	2
Filter	2	1	4	4

NOTE : When ordering spare parts, please quote the complete model number on the unit nameplate.

PARTS LIST

MODEL NUMBER	OCPUA240H	OCPUA240M	OCPUA240F	OCPUA240L	OCPUA300H	OCPUA300M	OCPUA300F	OCPUA300L
COMPRESSOR, Scroll	800-676-00	800-676-01	800-676-02	800-676-05	800-676-03	800-676-04	800-676-05	800-676-08
COMP. CONTACTOR, Scroll	800-736-25	800-736-22	800-736-22	800-736-22	800-736-06	800-736-25	800-736-22	800-736-22
COMPRESSOR, Semi-hermetic	800-677-01	800-677-02	800-677-03	800-677-06	800-677-07	800-677-08	800-677-09	800-677-09
COMP. CONTACTOR, Semi-hermetic	800-736-25	800-736-22	800-736-22	800-736-22	800-736-26	800-736-25	800-736-25	800-736-25
COMP., Semi-hermetic w/- unloader	800-677-41	800-677-42	800-677-43	800-677-46	800-677-47	800-677-48	800-677-49	800-677-49
CONDENSER FAN MOTOR	800-555-05	800-555-06	800-555-06	800-555-06	800-555-05	800-555-06	800-555-06	800-555-06
FAN MOTOR CONTACTOR	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01
CONDENSER FAN GUARD	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38
CONDENSER FAN	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28
MOTOR MOUNT	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20
CONDENSER COIL GUARD	800-625-42	800-625-42	800-625-42	800-625-42	800-625-42	800-625-42	800-625-42	800-625-42
FILTER DRYER	800-531-05	800-531-05	800-531-05	800-531-05	800-531-05	800-531-05	800-531-05	800-531-05
SIGHT GLASS	800-200-00	800-200-00	800-200-00	800-200-00	800-200-00	800-200-00	800-200-00	800-200-00
HIGH PRESSURE SWITCH	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00
LOW PRESSURE SWITCH	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00
EXPANSION VALVE	800-185-00	800-185-00	800-185-00	800-185-00	800-186-00	800-186-00	800-186-00	800-186-00
DISTRIBUTOR	800-193-00	800-193-00	800-193-00	800-193-00	800-193-00	800-193-00	800-193-00	800-193-00
OPTIONAL ITEMS								
PUMP DOWN SOLENOID VALVE	800-705-20	800-705-20	800-705-20	800-705-20	800-705-20	800-705-20	800-705-20	800-705-20
ADJUSTABLE HIGH PRESSURE SWITCH	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29
ADJUSTABLE LOW PRESSURE SWITCH	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30

MODEL NUMBER	OCPUA360H	OCPUA360M	OCPUA360F	OCPUA360L	OCPUA420H	OCPUA420M	OCPUA420F	OCPUA420L
COMPRESSOR, Scroll	800-676-06	800-676-07	800-676-08	800-676-08	N.A.	N.A.	N.A.	N.A.
COMP. CONTACTOR, Scroll	800-736-06	800-736-25	800-736-22	800-736-22	N.A.	N.A.	N.A.	N.A.
COMPRESSOR, Semi-hermetic	800-677-10	800-677-11	800-677-12	800-677-15	800-677-13	800-677-14	800-677-15	800-677-21
COMP. CONTACTOR, Semi-hermetic	800-736-25	800-736-06	800-736-25	800-736-22	800-736-25	800-736-06	800-736-25	800-736-06
COMP., Semi-hermetic w/- unloader	800-677-50	800-677-51	800-677-52	800-677-55	800-677-53	800-677-54	800-677-55	800-677-61
CONDENSER FAN MOTOR	800-555-05	800-555-06	800-555-06	800-555-06	800-555-05	800-555-06	800-555-06	800-555-06
FAN MOTOR CONTACTOR	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01
CONDENSER FAN GUARD	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38
CONDENSER FAN	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28
MOTOR MOUNT	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20
CONDENSER COIL GUARD	800-625-43	800-625-43	800-625-43	800-625-43	800-625-43	800-625-43	800-625-43	800-625-43
FILTER DRYER	800-531-04	800-531-04	800-531-04	800-531-04	800-531-04	800-531-04	800-531-04	800-531-04
SIGHT GLASS	800-200-01	800-200-01	800-200-01	800-200-01	800-200-01	800-200-01	800-200-01	800-200-01
HIGH PRESSURE SWITCH	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00
LOW PRESSURE SWITCH	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00
EXPANSION VALVE	800-184-07	800-184-07	800-184-07	800-184-07	800-184-07	800-184-07	800-184-07	800-184-07
DISTRIBUTOR	800-198-17	800-198-17	800-198-17	800-198-17	800-198-17	800-198-17	800-198-17	800-198-17
OPTIONAL ITEMS								
PUMP DOWN SOLENOID VALVE	800-705-21	800-705-21	800-705-21	800-705-21	800-705-21	800-705-21	800-705-21	800-705-21
ADJUSTABLE HIGH PRESSURE SWITCH	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29
ADJUSTABLE LOW PRESSURE SWITCH	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30

PARTS LIST

MODEL NUMBER	OCPUA480H	OCPUA480M	OCPUA480F	OCPUA480L	OCPUA600H	OCPUA600M	OCPUA600F	OCPUA600L
COMPRESSOR, Semi-hermetic	800-677-19	800-677-20	800-677-21	800-677-24	800-677-22	800-677-23	800-677-24	800-677-27
COMP. CONTACTOR, Semi-hermetic	800-736-06	800-736-26	800-736-06	800-736-06	800-736-06	800-736-25	800-736-06	800-736-26
COMP., Semi-hermetic w/- unloader	800-677-59	800-677-60	800-677-61	800-677-64	800-677-62	800-677-63	800-677-64	800-677-67
CONDENSER FAN MOTOR	800-555-05	800-555-06	800-555-06	800-555-06	800-555-05	800-555-06	800-555-06	800-555-06
FAN MOTOR CONTACTOR	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01
CONDENSER FAN GUARD	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38
CONDENSER FAN	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28
MOTOR MOUNT	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20
CONDENSER COIL GUARD	800-625-44	800-625-44	800-625-44	800-625-44	800-625-44	800-625-44	800-625-44	800-625-44
FILTER DRYER	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17
SIGHT GLASS	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04
HIGH PRESSURE SWITCH	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00
LOW PRESSURE SWITCH	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00
EXPANSION VALVE	800-184-37	800-184-37	800-184-37	800-184-37	800-184-37	800-184-37	800-184-37	800-184-37
DISTRIBUTOR	800-198-26	800-198-26	800-198-26	800-198-26	800-198-26	800-198-26	800-198-26	800-198-26
OPTIONAL ITEMS								
PUMP DOWN SOLENOID VALVE	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08
ADJUSTABLE HIGH PRESSURE SWITCH	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29
ADJUSTABLE LOW PRESSURE SWITCH	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30

MODEL NUMBER	OCPUA720H	OCPUA720M	OCPUA720F	OCPUA720L	OCPUA840H	OCPUA840M	OCPUA840F	OCPUA840L
COMPRESSOR, Semi-hermetic	800-677-28	800-677-29	800-677-30	800-677-33	800-677-31	800-677-32	800-677-33	800-677-36
COMP. CONTACTOR, Semi-hermetic	800-736-26	800-736-25	800-736-26	800-736-25	800-736-38	800-736-06	800-736-25	800-736-06
COMP., Semi-hermetic w/- unloader	800-677-68	800-677-69	800-677-70	800-677-73	800-677-71	800-677-72	800-677-73	800-677-76
CONDENSER FAN MOTOR	800-555-05	800-555-06	800-555-06	800-555-06	800-555-05	800-555-06	800-555-06	800-555-06
FAN MOTOR CONTACTOR	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01	800-095-01
CONDENSER FAN GUARD	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38	800-625-38
CONDENSER FAN	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28	800-224-28
MOTOR MOUNT	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20	800-154-20
CONDENSER COIL GUARD	800-625-45	800-625-45	800-625-45	800-625-45	800-625-45	800-625-45	800-625-45	800-625-45
FILTER DRYER	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17	800-531-17
SIGHT GLASS	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04	800-200-04
HIGH PRESSURE SWITCH	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00	800-558-00
LOW PRESSURE SWITCH	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00	800-557-00
EXPANSION VALVE	800-184-15	800-184-15	800-184-15	800-184-15	800-184-15	800-184-15	800-184-15	800-184-15
DISTRIBUTOR	800-198-25	800-198-25	800-198-25	800-198-25	800-198-25	800-198-25	800-198-25	800-198-25
OPTIONAL ITEMS								
PUMP DOWN SOLENOID VALVE	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08	800-705-08
ADJUSTABLE HIGH PRESSURE SWITCH	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29	800-557-29
ADJUSTABLE LOW PRESSURE SWITCH	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30	800-557-30



PARTS LIST : BLOWER MOTOR GROUP

ODP MOTORS (STANDARD)

HP	VOLTAGE (V-Ph-Hz)	MOTOR	CONTACTOR	OVERLOAD RELAY	HEATER ELEMENT
7.5	208/230-3-60	800-544-73	800-095-01	800-355-27	800-548-32
	460-3-60	800-544-73	800-095-01	800-355-27	800-548-27
	380-3-60	800-544-65	800-095-01	800-355-27	800-548-28
	380/415-3-50	800-544-73	800-095-01	800-355-27	800-548-28
10	208/230-3-60	800-544-74	800-095-02	800-355-27	800-548-35
	460-3-60	800-544-74	800-095-01	800-355-27	800-548-28
	380-3-60	800-544-66	800-095-01	800-355-27	800-548-30
	380/415-3-50	800-544-74	800-095-01	800-355-27	800-548-29
15	208/230-3-60	800-544-75	800-736-48	800-355-26	800-548-41
	460-3-60	800-544-75	800-095-01	800-355-27	800-548-32
	380-3-60	800-544-67	800-095-02	800-355-27	800-548-34
	380/415-3-50	800-544-75	800-095-02	800-355-27	800-548-33
20	208/230-3-60	800-775-00	800-736-25	800-355-26	800-548-44
	460-3-60	800-775-00	800-095-02	800-355-27	800-548-36
	380-3-60	800-783-40	800-736-22	800-355-26	800-548-39
	380/415-3-50	800-775-00	800-736-22	800-355-26	800-548-38
25	208/230-3-60	800-776-07	800-736-06	800-355-48	800-548-46
	460-3-60	800-776-07	800-736-22	800-355-26	800-548-39
	380-3-60	800-783-52	800-736-22	800-355-26	800-548-41
	380/415-3-50	800-776-07	800-736-22	800-355-26	800-548-40

TEFC MOTORS (OPTIONAL)

HP	VOLTAGE (V-Ph-Hz)	MOTOR	CONTACTOR	OVERLOAD RELAY	HEATER ELEMENT
7.5	208/230-3-60	800-772-19	800-095-01	800-355-27	800-548-33
	460-3-60	800-772-19	800-095-01	800-355-27	800-548-27
	380-3-60	800-876-09	800-095-01	800-355-27	800-548-28
	380/415-3-50	800-772-23	800-095-01	800-355-27	800-548-27
10	208/230-3-60	800-773-19	800-095-02	800-355-27	800-548-36
	460-3-60	800-773-19	800-095-01	800-355-27	800-548-28
	380-3-60	800-876-13	800-095-01	800-355-27	800-548-30
	380/415-3-50	800-773-23	800-095-01	800-355-27	800-548-30
15	208/230-3-60	800-774-19	800-736-48	800-355-26	800-548-40
	460-3-60	800-774-19	800-095-01	800-355-27	800-548-31
	380-3-60	800-876-17	800-095-01	800-355-27	800-548-33
	380/415-3-50	800-774-23	800-095-01	800-355-27	800-548-34
20	208/230-3-60	800-775-19	800-736-06	800-355-26	800-548-43
	460-3-60	800-775-19	800-736-22	800-355-27	800-548-35
	380-3-60	800-876-21	800-736-22	800-355-26	800-548-38
	380/415-3-50	800-775-23	800-736-22	800-355-26	800-548-37
25	208/230-3-60	800-776-19	800-736-26	800-355-48	800-548-46
	460-3-60	800-776-19	800-736-48	800-355-26	800-548-39
	380-3-60	800-876-25	800-736-48	800-355-26	800-548-41
	380/415-3-50	800-776-23	800-736-48	800-355-26	800-548-40

PARTS LIST : HEATER GROUP

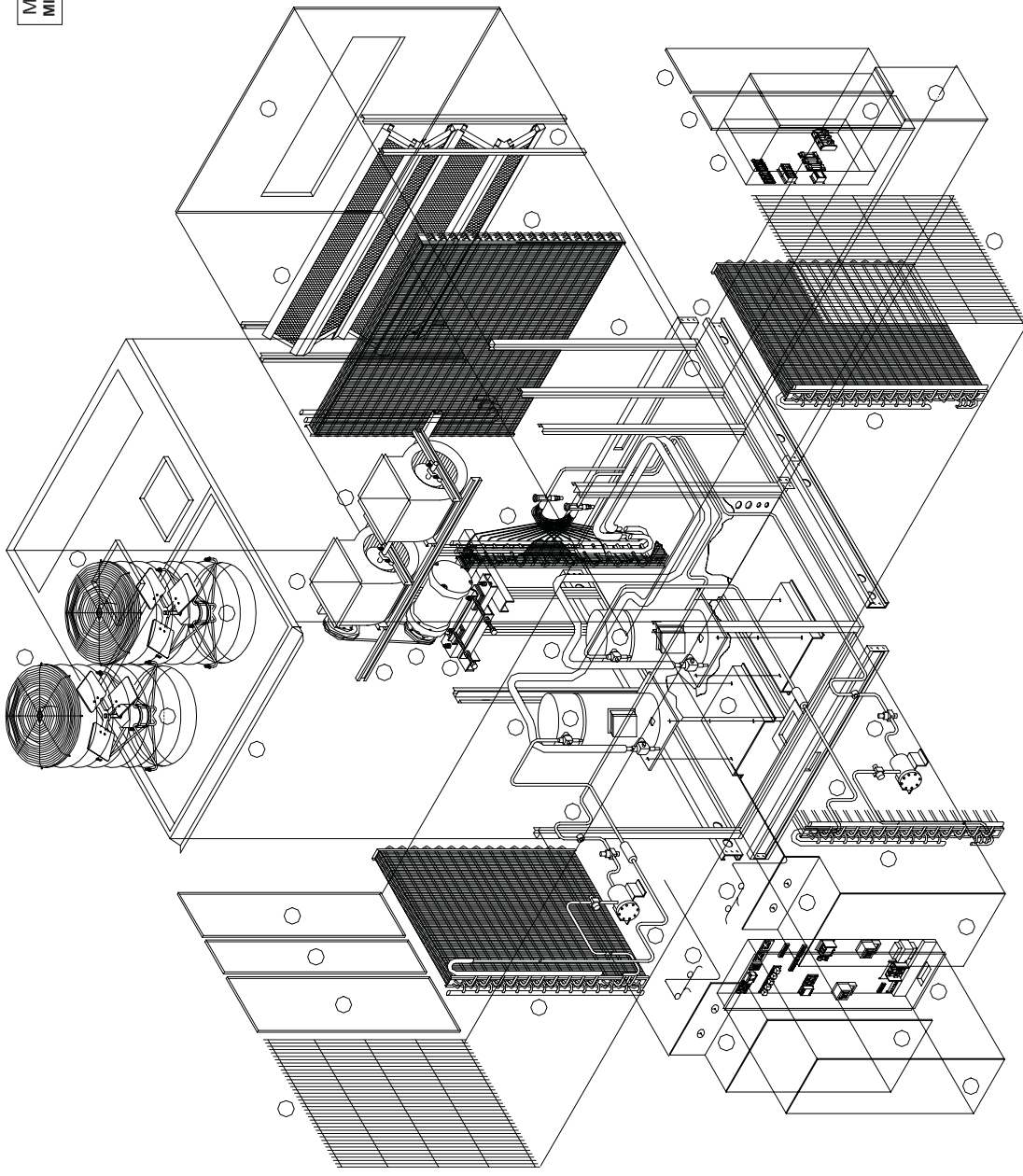
KILOWATTS	VOLTAGE (V-Ph-Hz)	CONTACTOR	HEATER
10	208/230-3-60	800-095-01	800-327-31
	460-3-60	800-095-01	800-327-41
	380-3-60	800-095-01	800-327-36
	380/415-3-50	800-095-01	800-327-36
15	208/230-3-60	800-095-01	800-229-95
	460-3-60	800-095-01	800-229-97
	380-3-60	800-095-01	800-229-96
	380/415-3-50	800-095-01	800-229-96
20	208/230-3-60	800-095-01	-
	460-3-60	800-095-01	-
	380-3-60	800-095-01	-
	380/415-3-50	800-095-01	-
25	208/230-3-60	800-095-01	-
	460-3-60	800-095-01	-
	380-3-60	800-095-01	-
	380/415-3-50	800-095-01	-
30	208/230-3-60	800-095-02	-
	460-3-60	800-095-01	-
	380-3-60	800-095-01	-
	380/415-3-50	800-095-01	-
40	208/230-3-60	800-095-01	-
	460-3-60	800-095-01	-
	380-3-60	800-095-01	-
	380/415-3-50	800-095-01	-
50	208/230-3-60	800-095-01	-
	460-3-60	800-095-01	-
	380-3-60	800-095-01	-
	380/415-3-50	800-095-01	-
60	208/230-3-60	800-095-02	-
	460-3-60	800-095-01	-
	380-3-60	800-095-01	-
	380/415-3-50	800-095-01	-

EXPLODED VIEWS

EXPLODED VIEWS (Dual Compressor)
MODELS: OCPUA240/300

MODEL: OCPUA240 - 300
MIDDLE FAN ARRANGEMENT

- PARTS DESCRIPTION**
1. BOTTOM PANEL
 2. BASE RAIL
 3. COMPRESSOR
 4. COMPRESSOR
 5. CONDENSER COIL
 6. CONDENSER COIL
 7. EVAPORATOR COIL
 8. LIQUID LINE
 9. LIQUID LINE
 10. SUCTION LINE
 11. SUCTION LINE
 12. DISCHARGE LINE
 13. DISCHARGE LINE
 14. GAUGE PRESSURE TUBE
 15. GAUGE PRESSURE TUBE
 16. MOTOR
 17. BLOWER
 18. BLOWER
 19. MOTOR BASE RAIL
 20. BLOWER BASE RAIL
 21. CENTER POST
 22. CORNER POST
 23. COIL GUARD
 24. COIL GUARD
 25. FILTER RACK
 26. TOP PANEL
 27. TOP PANEL
 28. CONDENSER FAN W/ SUPPORT
 29. CONDENSER FAN W/ SUPPORT
 30. FAN GUARD
 31. FAN GUARD
 32. MAIN CONTROL PANEL
 33. AUXILIARY CONTROL PANEL
 34. PRESSURE GAUGES PANEL
 35. PRESSURE GAUGES PANEL
 36. RETURN PANEL
 37. ACCESS PANEL FOR MAIN CONTROL PANEL
 38. ACCESS PANEL FOR AUXILIARY CONTROL PANEL
 39. ACCESS PANEL FOR COMPRESSOR
 40. ACCESS PANEL FOR COMPRESSOR
 41. ACCESS PANEL FOR FILTER
 42. FRONT ACCESS PANEL
 43. ACCESS PANEL FOR BLOWER MOTOR
 44. REAR ACCESS PANEL
 45. REAR ACCESS PANEL
 46. PANEL





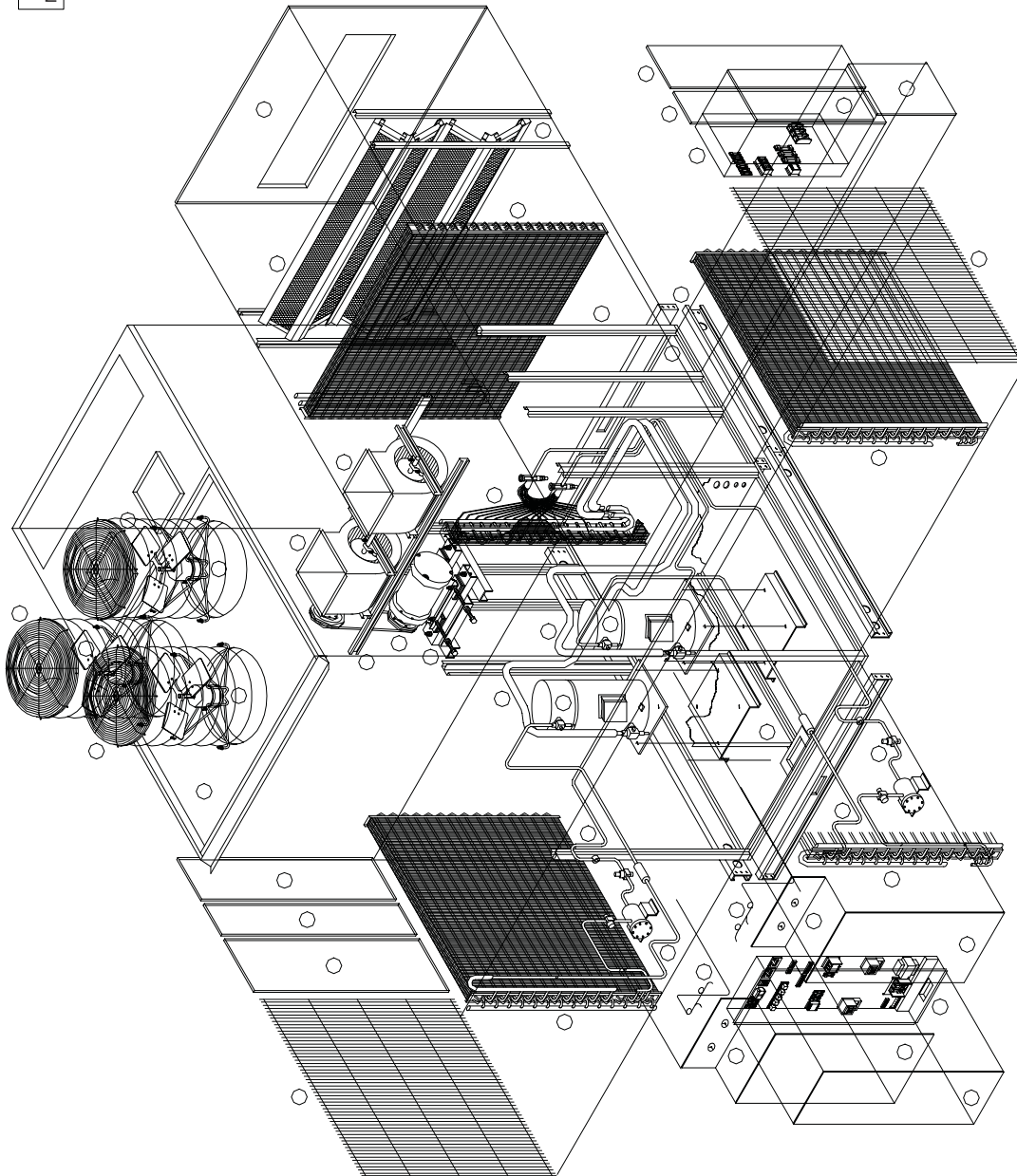
EXPLODED VIEWS

EXPLODED VIEWS (Dual Compressor)
MODELS: OCPUA360

MODEL: OCPUA360
MIDDLE FAN ARRANGEMENT

PARTS DESCRIPTION

1. BOTTOM PANEL
2. BASE RAIL
3. COMPRESSOR
4. COMPRESSOR
5. CONDENSER COIL
6. CONDENSER COIL
7. EVAPORATOR COIL
8. LIQUID LINE
9. LIQUID LINE
10. SUCTION LINE
11. SUCTION LINE
12. DISCHARGE LINE
13. DISCHARGE LINE
14. GAUGE PRESSURE TUBE
15. GAUGE PRESSURE TUBE
16. MOTOR
17. BLOWER
18. BLOWER
19. MOTOR BASE RAIL
20. BLOWER BASE RAIL
21. CENTER POST
22. CENTER POST
23. COIL GUARD
24. COIL GUARD
25. FILTER RACK
26. FILTER
27. TOP PANEL
28. CONDENSER FAN W/ SUPPORT
29. CONDENSER FAN W/ SUPPORT
30. CONDENSER FAN W/ SUPPORT
31. FAN GUARD
32. FAN GUARD
33. FAN GUARD
34. MAIN CONTROL PANEL
35. AUXILIARY CONTROL PANEL
36. PRESSURE GAUGES PANEL
37. PRESSURE GAUGES PANEL
38. RETURN PANEL
39. ACCESS PANEL FOR MAIN CONTROL PANEL
40. ACCESS PANEL FOR AUXILIARY CONTROL
41. ACCESS PANEL FOR COMPRESSOR
42. ACCESS PANEL FOR COMPRESSOR
43. ACCESS PANEL FOR FILTER
44. FRONT ACCESS PANEL
45. ACCESS PANEL FOR BLOWER / MOTOR
46. REAR ACCESS PANEL
47. REAR ACCESS PANEL
48. PANEL



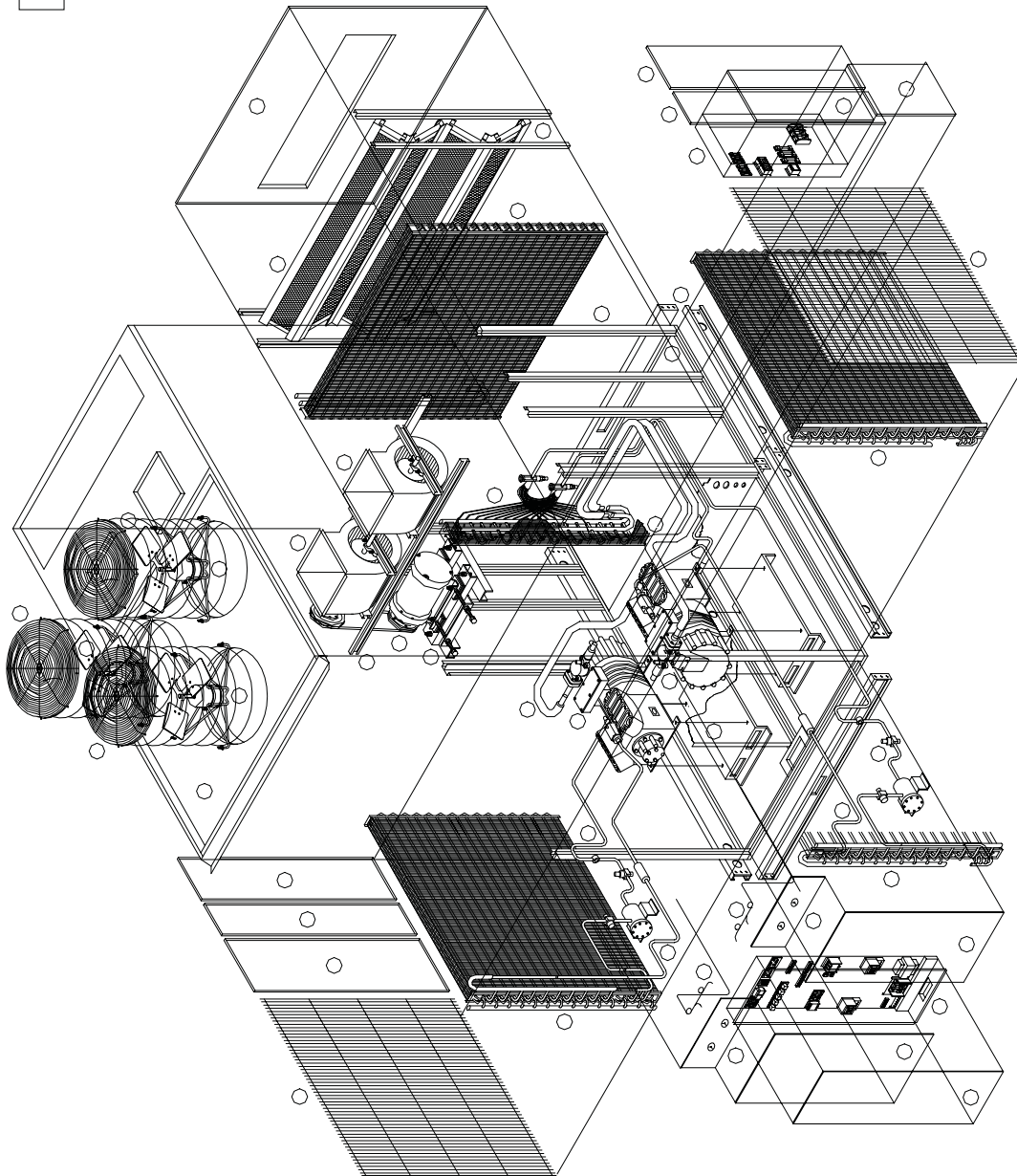
EXPLODED VIEWS

EXPLODED VIEWS (Dual Compressor)
MODEL: OCPUA420

MODEL: OCPUA420
MIDDLE FAN ARRANGEMENT

PARTS DESCRIPTION

1. BOTTOM PANEL
2. BASE RAIL
3. COMPRESSOR
4. COMPRESSOR
5. CONDENSER COIL
6. CONDENSER COIL
7. EVAPORATOR COIL
8. LIQUID LINE
9. LIQUID LINE
10. SUCTION LINE
11. SUCTION LINE
12. DISCHARGE LINE
13. DISCHARGE LINE
14. GAUGE PRESSURE TUBE
15. GAUGE PRESSURE TUBE
16. MOTOR
17. BLOWER
18. BLOWER
19. MOTOR BASE RAIL
20. BLOWER BASE RAIL
21. CENTER POST
22. CORNER POST
23. COIL GUARD
24. COIL GUARD
25. FILTER RACK
26. FILTER
27. TOP PANEL
28. CONDENSER FAN W/ SUPPORT
29. CONDENSER FAN W/ SUPPORT
30. CONDENSER FAN W/ SUPPORT
31. FAN GUARD
32. FAN GUARD
33. FAN GUARD
34. MAIN CONTROL PANEL
35. AUXILIARY CONTROL PANEL
36. PRESSURE GAUGES PANEL
37. PRESSURE GAUGES PANEL
38. RETURN PANEL
39. ACCESS PANEL FOR MAIN CONTROL PANEL
40. ACCESS PANEL FOR AUXILIARY CONTROL PA
41. ACCESS PANEL FOR COMPRESSOR
42. ACCESS PANEL FOR COMPRESSOR
43. ACCESS PANEL FOR FILTER
44. FRONT ACCESS PANEL
45. ACCESS PANEL FOR BLOWER / MOTOR
46. REAR ACCESS PANEL
47. REAR ACCESS PANEL
48. PANEL



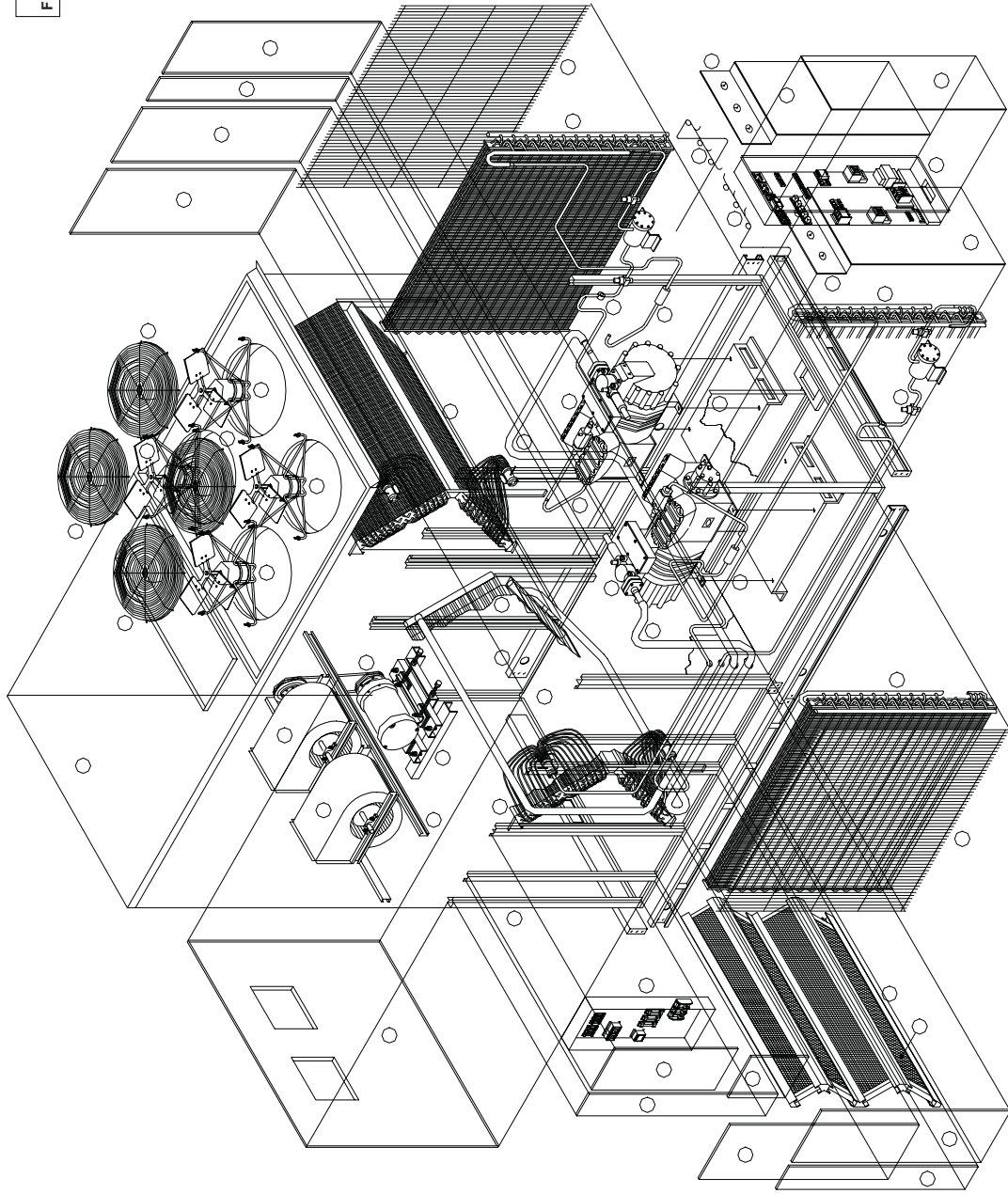
EXPLODED VIEWS

EXPLODED VIEWS (Dual Compressor)
MODEL: OCPUA480 - OCPUA600

MODEL: OCPUA480-600
FRONT FAN ARRANGEMENT

PARTS DESCRIPTION

1. BOTTOM PANEL
2. BASE RAIL
3. COMPRESSOR
4. CONDENSER COIL
5. CONDENSER COIL
6. EVAPORATOR COIL
7. EVAPORATOR COIL
8. LIQUID LINE
9. LIQUID LINE
10. SUCTION LINE
11. SUCTION LINE
12. DISCHARGE LINE
13. DISCHARGE LINE
14. GAUGE PRESSURE TUBE
15. GAUGE PRESSURE TUBE
16. MOTOR
17. BLOWER
18. BLOWER
19. MOTOR BASE RAIL
20. BLOWER BASE RAIL
21. CENTER POST
22. CORNER POST
23. OIL GUARD
24. OIL GUARD
25. FILTER
26. FILTER RACK
27. TOP PANEL
28. CONDENSER FAN W/ SUPPORT
29. CONDENSER FAN W/ SUPPORT
30. CONDENSER FAN W/ SUPPORT
31. CONDENSER FAN W/ SUPPORT
32. FAN GUARD
33. FAN GUARD
34. FAN GUARD
35. FAN GUARD
36. MAIN CONTROL PANEL
37. AUXILIARY CONTROL PANEL
38. PRESSURE GAUGES PANEL
39. PRESSURE GAUGES PANEL
40. SUPPLY PANEL
41. ACCESS PANEL FOR MAIN CONTROL PANEL
42. ACCESS PANEL FOR AUXILIARY CONTROL PANEL
43. SIDE PANEL
44. SIDE PANEL
45. ACCESS PANEL FOR EVAPORATOR COIL
46. SIDE PANEL
47. SIDE PANEL
48. ACCESS PANEL FOR COMPRESSOR
49. ACCESS PANEL FOR COMPRESSOR
50. ACCESS PANEL FOR BLOWER / MOTOR
51. SIDE PANEL
52. ACCESS PANEL FOR FILTER
53. SIDE PANEL



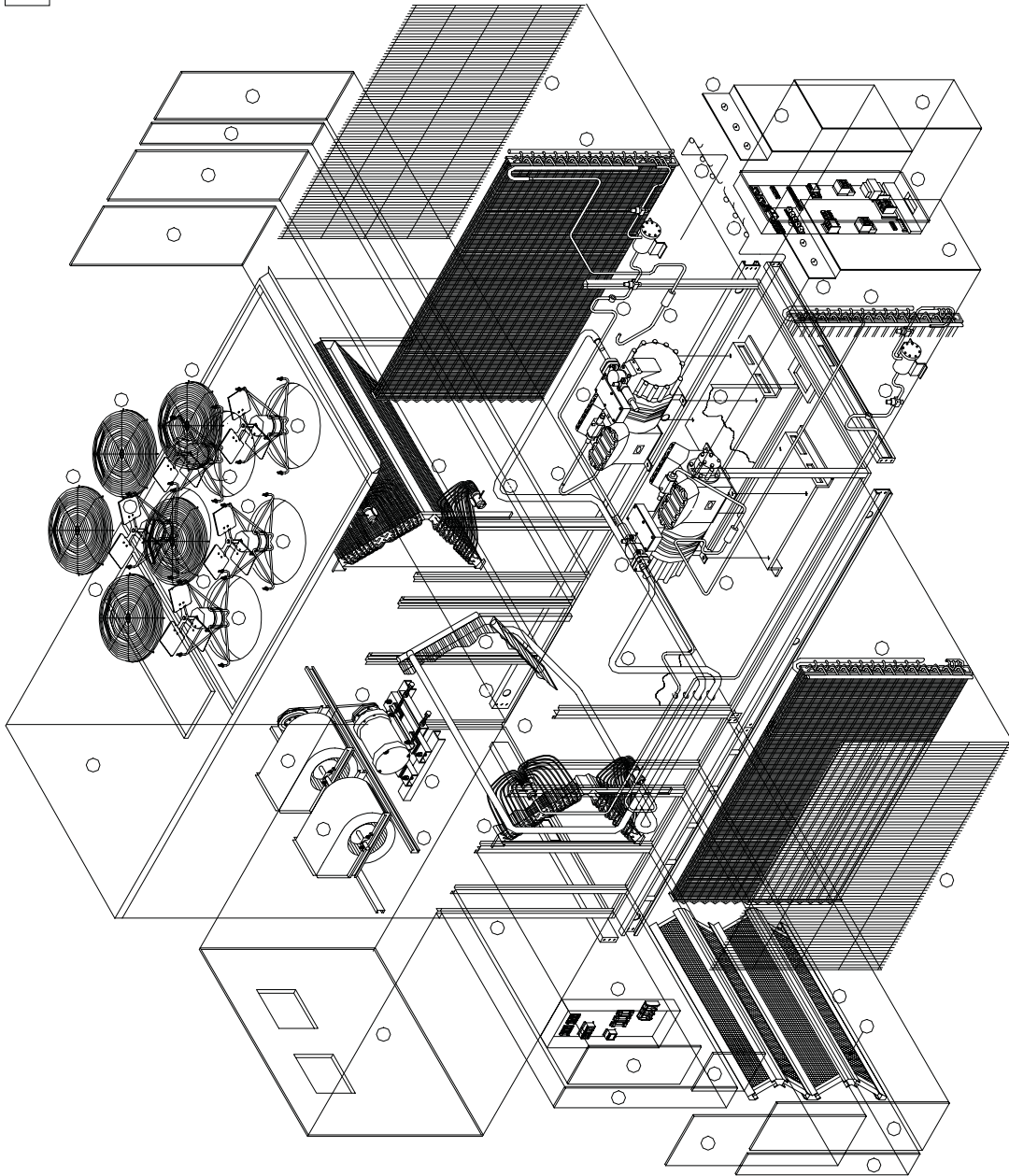


EXPLODED VIEWS

EXPLODED VIEWS (Dual Compressor)
MODEL: OCPUA720

MODEL: OCPUA720
FRONT FAN ARRANGEMENT

- PARTS DESCRIPTION
1. BOTTOM PANEL
 2. BASE RAIL
 3. COMPRESSOR
 4. COMPRESSOR
 5. CONDENSER COIL
 6. CONDENSER COIL
 7. EVAPORATOR COIL
 8. LIQUID LINE
 9. LIQUID LINE
 10. SUCTION LINE
 11. SUCTION LINE
 12. DISCHARGE LINE
 13. DISCHARGE LINE
 14. GAUGE PRESSURE TUBE
 15. GAUGE PRESSURE TUBE
 16. MOTOR
 17. BLOWER
 18. BLOWER
 19. MOTOR BASE RAIL
 20. BLOWER BASE RAIL
 21. CENTER POST
 22. CORNER POST
 23. OIL GUARD
 24. OIL GUARD
 25. FILTER
 26. FILTER
 27. FILTER RACK
 28. TOP PANEL
 29. CONDENSER FAN W/ SUPPORT
 30. CONDENSER FAN W/ SUPPORT
 31. CONDENSER FAN W/ SUPPORT
 32. CONDENSER FAN W/ SUPPORT
 33. FAN GUARD
 34. FAN GUARD
 35. FAN GUARD
 36. FAN GUARD
 37. FAN GUARD
 38. MAIN CONTROL PANEL
 39. AUXILIARY CONTROL PANEL
 40. PRESSURE GAUGES PANEL
 41. PRESSURE GAUGES PANEL
 42. SIDE PANEL FOR MAIN CONTROL PA
 43. ACCESS PANEL FOR MAIN CONTROL PA
 44. ACCESS PANEL FOR MAIN CONTROL PA
 45. SIDE PANEL
 46. SIDE PANEL
 47. ACCESS PANEL FOR EVAPORATOR COIL
 48. SIDE PANEL (MIXING BOX)
 49. SIDE PANEL
 50. ACCESS PANEL FOR COMPRESSOR
 51. ACCESS PANEL FOR COMPRESSOR
 52. ACCESS PANEL FOR BLOWER / MOTOR
 53. SIDE PANEL
 54. ACCESS PANEL FOR FILTER
 55. SIDE PANEL (MIXING BOX)



EXPLODED VIEWS

EXPLODED VIEWS (Dual Compressor)
MODEL: OCPUA840

MODEL: OCPUA840
FRONT FAN ARRANGEMENT

PARTS DESCRIPTION

1. BOTTOM PANEL
2. BASE RAIL
3. COMPRESSOR
4. CONDENSER COIL
5. CONDENSER COIL
6. CONDENSER COIL
7. EVAPORATOR COIL
8. LIQUID LINE
9. LIQUID LINE
10. SUCTION LINE
11. SUCTION LINE
12. DISCHARGE LINE
13. DISCHARGE LINE
14. GAUGE PRESSURE TUBE
15. GAUGE PRESSURE TUBE
16. MOTOR
17. BLOWER
18. MOTOR BASE RAIL
19. MOTOR BASE RAIL
20. BLOWER BASE RAIL
21. CENTER POST
22. CORNER POST
23. COIL GUARD
24. COIL GUARD
25. FILTER
26. FILTER RACK
27. TOP PANEL
28. CONDENSER FAN W/ SUPPORT
29. CONDENSER FAN W/ SUPPORT
30. CONDENSER FAN W/ SUPPORT
31. CONDENSER FAN W/ SUPPORT
32. CONDENSER FAN W/ SUPPORT
33. CONDENSER FAN W/ SUPPORT
34. FAN GUARD
35. FAN GUARD
36. FAN GUARD
37. FAN GUARD
38. FAN GUARD
39. FAN GUARD
40. MAIN CONTROL PANEL
41. AUXILIARY CONTROL PANEL
42. PRESSURE GAUGES PANEL
43. SUPPLY PANEL
44. ACCESS PANEL FOR MAIN CONTROL PANEL
45. ACCESS PANEL FOR AUXILIARY CONTROL PA
46. SIDE PANEL
47. SIDE PANEL
48. ACCESS PANEL FOR EVAPORATOR COIL
49. SIDE PANEL (MIXING BOX)
50. SIDE PANEL (MIXING BOX)
51. SIDE PANEL (MIXING BOX)
52. ACCESS PANEL FOR COMPRESSOR
53. ACCESS PANEL FOR COMPRESSOR
54. ACCESS PANEL FOR BLOWER /MOTOR
55. SIDE PANEL
56. ACCESS PANEL FOR FILTER
57. SIDE PANEL (MIXING BOX)

