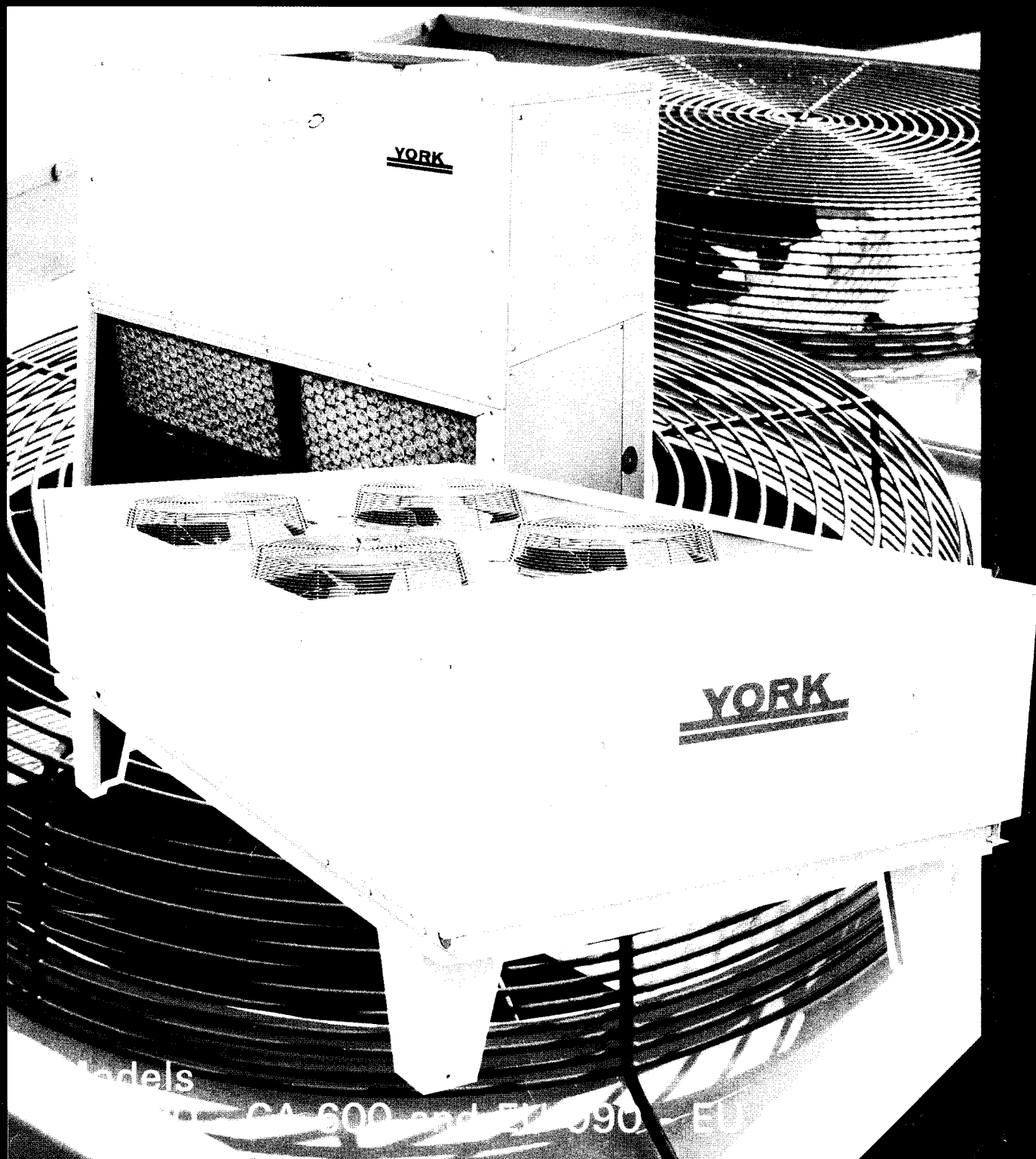


Split System Air Conditioners



Models

CA-600 and E2-590 EU

Cooling capacities 90,000 Btu/h (26kW) - 600,000 Btu/h (175kW)

YORK

“energy savers”

Champion Condensing Units



energy saver—application flexibility

EVAPORATOR SELECTION

Champion Evaporators are available in matching capacities and in horizontal or vertical configurations to economically and efficiently meet your application requirements. In addition, precise temperature and air quantity requirements can be effectively obtained by matching the condensing unit with a wide selection of air side equipment. By using York's Application Techniques, the optimum evaporator surface can be selected to provide maximum comfort with the minimum use of precious energy. These condensing units can be applied with: ● Duct-Mounted Coils, ● Multi-Evaporator Blowers, ● DX Coils mounted in Industrial Air Handlers, ● Air side equipment used on Variable Air Volume and Multi-Zone Systems.

LOCATION SELECTION

Champion Condensing Units can be installed on almost any type of roof or at ground level. Lightweight Champions can be installed on practically any roof because they do not carry the added weight of the evaporator and heating sections as in other rooftop systems. The rooftop design of the building does not necessarily have to be flat to accommodate a Champion Condensing Unit. This allows flexibility in building and roof design – resulting in added energy cost savings. The CA unit has an attractive, durable enclosure, ideal for location at ground level without detracting from the appearance of the building.

energy saver—operation

CAPACITY CONTROL

Capacity control is preferred for "Energy Saving" performance on all applications where the cooling load varies over a wide range. On Champion condensing units, 20 tons and above, York incorporates the most advanced and energy efficient compressors available.

These compressors utilize a "BLOCKED SUCTION" Internal Capacity Control System – the optimum in compressor control. When cylinders are to be unloaded, due to decreased cooling demand, the suction ports are blocked, preventing entrance of refrigerant gas to these cylinders. The piston then operates in a "free wheeling" fashion, requiring very little power. In other systems, the refrigerant gas is internally or externally bypassed from the discharge back to the suction of the cylinder, which requires the gas to be pumped by the pistons as when operating under full capacity.

CAPACITY REDUCTION CAPABILITIES

MODEL	STAGES OF CAPACITY REDUCTION
CA240	100% – 50%
CA300	100% – 50%
CA360	100% – 67% – 33%
CA480	100% – 75% – 50% – 25%
CA600	100% – 80% – 60% – 40% – 20%

SHORT CYCLE TIMER

A five-minute short cycle timer is provided on Models CA240 thru CA600, eliminating nuisance startups and saving valuable energy.

PART WINDING START

Part-winding start features are incorporated into the 380/415 volt units (CA240 thru CA600) to reduce power surges by staging the inrush current as the motor accelerates to full operating speed.

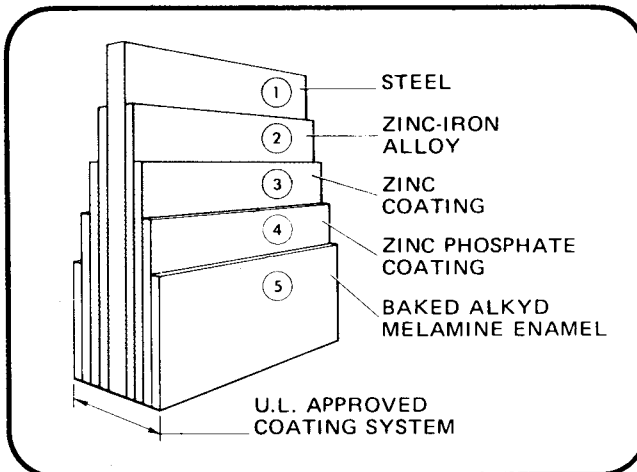
FAN CYCLING

The condenser fan motors on the Champion units are controlled by built-in relays and/or thermostats – providing precision and economical control. Relays function during compressor unloading operations and turn off condenser fans – saving additional energy. The unit thermostats provide added economy by cycling the fans as ambient conditions change.

quality controlled – construction

DURABLE CONSTRUCTION

YORK units are designed to eliminate the costly cabinet deterioration problems usually associated with outdoor equipment. All of the unit's sheet metal parts are constructed of commercial grade (G90) galvanized steel as opposed to the light commercial grade (G60) used by some manufacturers. After fabrication, each part is bonderized to remove any grease or dirt from its surfaces. The external parts are then coated with zinc phosphate and finished with a caribbean blue baked enamel to assure a quality finish for many years. This UL approved coating system passed the 500 hour, 20% salt spray test per method 6061 of federal Standard 141. Cadmium-plated screws are used throughout to further assure a rust-free unit.



FACTORY ASSEMBLED AND TESTED

YORK's Champion units have "built-in" reliability. They are completely assembled, piped, wired and tested at the factory. Every compressor and fan motor is functionally tested to assure trouble-free operation. Each unit is dehydrated, evacuated, leak tested and pressure tested at 450 psig, before being pressurized with a holding charge of Refrigerant-22 for storage and shipping.

All Champion condensing units operate at extremely low sound levels. Compressors are mounted on spring isolators and are enclosed in a separate compartment to reduce the transmission of vibration and sound. Vertical discharge condenser fans direct sound upward and away from any surrounding structures.

LOW AMBIENT CONTROL

The Champion Unit is suitable for year-round operation without any add-on components. Low ambient operation down to 0°F is built into this well designed unit. On 20 through 50 ton sizes, condenser fans are automatically turned off as system loads are reduced providing efficient and economical operation. Field installed accessories are available for 7-1/2, 10 and 15 ton sizes.

APPROVALS

Rated to comply with ARI Standards and UL Listing.

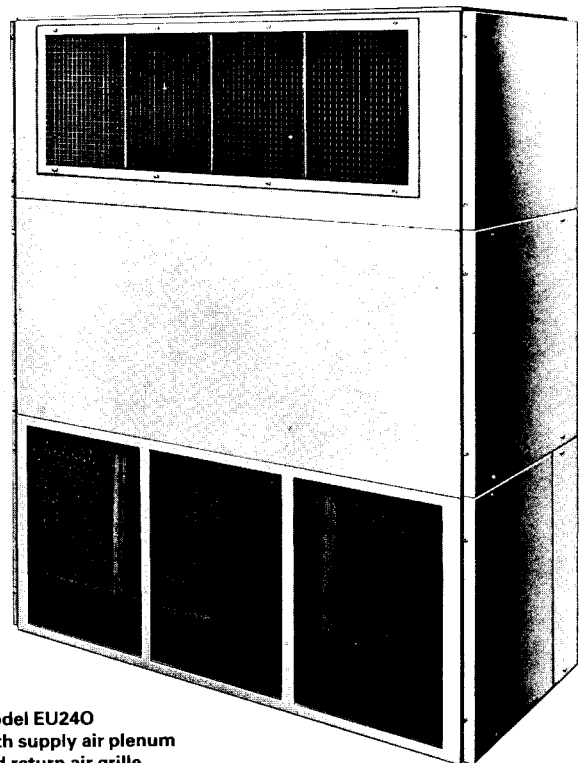


YORK

“energy savers”

Champion Evaporator Blowers

VERTICAL EVAPORATOR BLOWERS



Model EU240 with supply air plenum and return air grille accessories is shown

APPLICATION FLEXIBILITY

YORK CHAMPION Evaporator Blowers are modular in design and can be arranged for a variety of air discharge patterns, in either the horizontal or the vertical position. These units may be bottom-supported or ceiling-suspended and can be arranged to meet almost any space or duct requirements. Each unit is available with a choice of blower motors, drive packages and accessories to make them suitable for most applications.

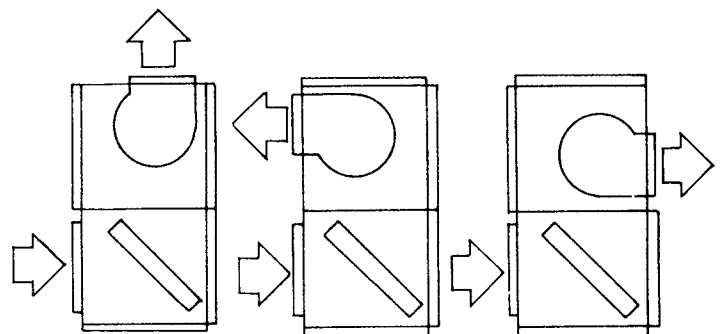
INSTALLED COST SAVERS

PART LOAD OPERATION - Champion Evaporator Blowers, 20 tons and above, have multiple coils with pre-piped distributors, expansion valves and solenoid valves to minimize the field requirements for part load operation. Capacity reduction not only provides economical operation but also maintains more even temperature and humidity levels in the conditioned space.

BUILT-IN TX VALVE - YORK furnishes the optimum in metering devices — a serviceable thermal expansion valve. This superior valve is sized to meet precise application requirements and factory-installed to provide many years of trouble-free operation. If service is required, there is no need to unsolder joints.

PUMPDOWN CAPABILITIES - YORK evaporator blowers also include a solenoid valve for non-recycling pumpdown. When the cooling requirement in the conditioned space is satisfied, the refrigerant will be pumped into the high side of the system.

BLOWER MOTORS - A choice of blower motors is available for field installation to meet almost any application requirement. All motors are mounted within the insulated cabinet of the Champion Evaporator units to minimize the transmission of sound to the surrounding space.



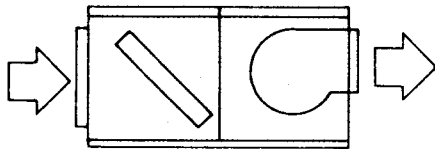
Vertical arrangement, front return air entry, top supply air discharge

Vertical arrangement, front return air entry, front supply air discharge

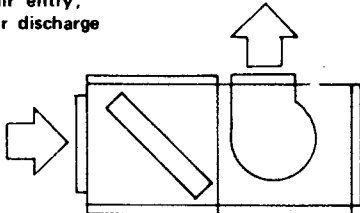
Vertical arrangement, front return air entry, rear supply air discharge

BELT-DRIVE ASSEMBLIES - All YORK drive assemblies are rated at least 25% above the required HP. The blower RPM can be adjusted to meet the exact CFM requirements of the system.

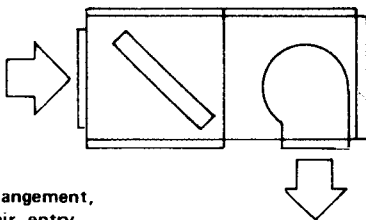
HORIZONTAL EVAPORATOR BLOWERS



Horizontal arrangement,
front return air entry,
rear supply air discharge



Horizontal arrangement,
front return air entry,
top supply air discharge



Horizontal arrangement,
front return air entry,
bottom supply air discharge

ACCESSORIES

RETURN AIR GRILLES - (EB/EU 060 thru 240 only) - These decorative, expanded metal grilles will enhance the appearance of any unit that has no return air ductwork. This accessory is especially recommended for units located within the conditioned space.

SUPPLY AIR PLENUMS - (EB/EU 060 thru 240 only) - These decorative, horizontal discharge plenums enhance the appearance and performance of any unit that has no supply air ductwork. All plenums have the same durable finish as the Champion evaporator blower. They are fully insulated and ready for mounting on horizontal or vertical units. Plenums for models EB/EU 060, 90 and 120 have grilles which may be rotated to provide four different air discharge patterns. Plenums for the EB/EU/180 and 240 have grilles which may be adjusted to provide two air discharge patterns.

BASE SECTIONS - (EB 060 thru 480 only) - The base section can be used to elevate EU units off the floor. If desired, outdoor air may be introduced thru this section by cutting an access opening to accommodate the outdoor air duct connection. These bases have a durable finish to match the Champion evaporator blower section. They may have to be insulated for certain applications.

SUSPENSION PACKAGES - This accessory can be used suspending a horizontal unit from above without interfering with access to the unit. Suspension packages for the EB/180 thru EB/600 can also be used for elevating a floor-mounted unit (either horizontal or vertical) to provide additional height for the installation of a trap at the condensate drain connection. All suspension packages can also be used with vibration isolators.

HOT WATER COILS - Drainable water coils are available for field installation between the blower and the evaporator sections of both horizontal and vertical units. Their casings match the dimensions and the finish of the EB/EU units, so they become an integral part of the unit after installation. The coils slide out of their casings for easy installation and are pitched in their casings to facilitate water drainage. The coils have copper tubes that have been mechanically expanded into aluminium fins. Copper headers are located on the same end of the coil. Coils are leak-tested at 325 psig under water and dried before their connections are capped for storage and shipping.

STEAM COILS - Steam coils are available for field installation between the blower and the evaporator sections of both horizontal and vertical units. Their casings match the dimensions and the finish of the EB/EU units, so they become an integral part of the unit after installation. The coils slide out of their casings for easy installation and are pitched in their casings to facilitate condensate drainage. The coils have copper tubes that have been mechanically expanded into aluminium fins. Copper headers are located on the same end of the coil. Coils are leak-tested at 325 psig under water and dried before their connections are capped for storage and shipping.

BLOWER MOTORS - Different size motors are available for each unit to meet different air delivery requirements. All motors are UL approved and have permanently lubricated ball bearings. The motors for the EB/EU/60, 90, and 120 are either split-phase or capacitor start. The motors for the larger units are 3-phase. All motors are shipped loose for field installation except those listed on the price pages for the EB/EU 060, 090 and 120. All motors have inherent protection except those available for the EB 600, which require a starter and overload elements.

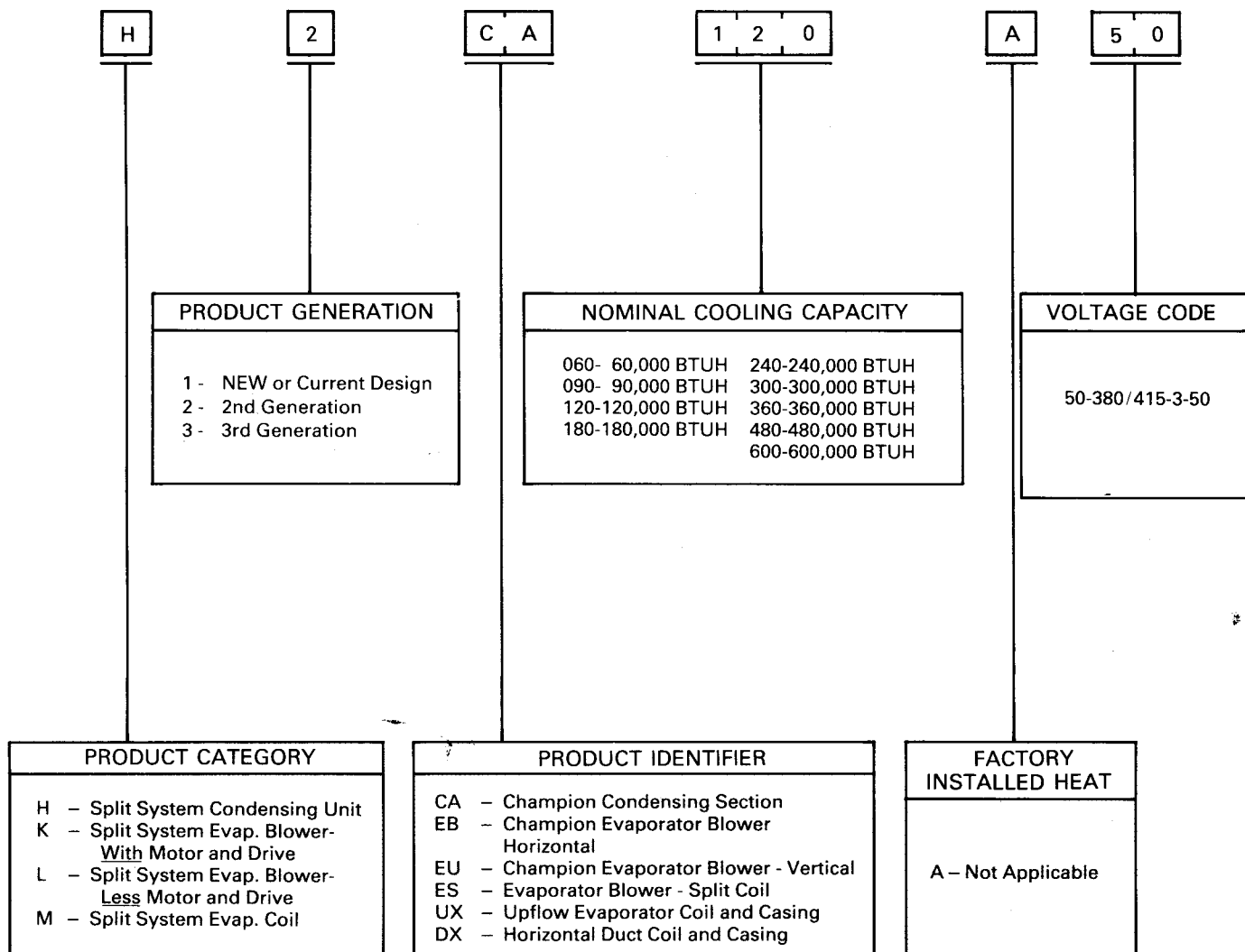
DRIVE PACKAGES - Different size pulleys and belts are available for each unit to provide the proper range of blower RPM for the air delivery requirements. Variable pitch motor pulleys provide the adjustment required for the proper blower RPM. Two-groove pulleys and two belts are provided on every drive package rated at 7-1/2 HP and above. All drive packages are shipped loose for field installation except those listed on the price pages for the EB/EU060, 90 and 120.

BLOWER MOTOR RELAY - (EB/EU 060, 90 and 120 less motor and drive only) - This field-mounted relay has a 24-volt holding coil and a set of normally open contacts that are suitable for 220 or 240 volts. This relay is required to control blower operation through the fan switch of the room thermostat.

STARTERS AND HEATER ELEMENTS (EB600 only) - The blower motors that are available for the EB600 do not have inherent protection and require external motor overloads.

PRODUCT NOMENCLATURE

CHAMPION SERIES AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONERS



PRODUCT GENERATION

Due to the policy of continuous product improvement, York reserves the right to change specifications and design without notice. However capacity ratings will remain the same for all models of product generation unless notified.

MATCHED SYSTEM CAPACITY (MBH)

System	Air on Evap.			Air Temperature on Condenser - F° (C°)			System	Air on Evap.			Air Temperature on Condenser - F° (C°)		
	CFM (m³/h)	DB-F° (C°)	WB-F° (C°)	75 (24) TOTAL (kW) Thermal	95 (35) TOTAL (kW) Thermal	115 (46) TOTAL (kW) Thermal		CFM (m³/h)	DB-F° (C°)	WB-F° (C°)	75 (24) TOTAL (kW) Thermal	95 (35) TOTAL (kW) Thermal	115 (46) TOTAL (kW) Thermal
							H2CA180 L1EU240	8800 (14960)	86 (30.0)	72 (22.2)	- (-)	- (-)	- (-)
									80 (26.6)	67 (19.4)	216 (63.2)	193 (56.5)	169 (49.5)
									74 (23.3)	62 (16.6)	200 (58.6)	179 (52.4)	156 (45.7)
									68 (20.0)	57 (13.8)	184 (53.9)	163 (48.3)	143 (41.9)
H2CA090 K3EU090	3300 (5610)	86 (30.0)	72 (22.2)	100 (29.3)	89 (26.1)	78 (22.8)	H1CA240/ L1EU180	6600 (11200)	86 (30.0)	72 (22.2)	270 (79.1)	242 (70.8)	217 (63.5)
		80 (26.6)	67 (19.4)	92 (26.9)	82 (24.0)	71 (20.8)			80 (26.6)	67 (19.4)	250 (73.2)	226 (66.2)	200 (58.6)
		74 (23.3)	62 (16.6)	84 (24.6)	75 (22.0)	65 (19.0)			74 (23.3)	62 (16.6)	228 (66.8)	206 (60.3)	- (52.7)
		68 (20.0)	57 (13.8)	76 (22.3)	69 (20.2)	58 (17.0)			68 (20.0)	57 (13.8)	- (-)	- (-)	48.1 (14.1)
H2CA120 K3EU090	3300 (5610)	86 (30.0)	72 (22.2)	125 (36.6)	116 (33.9)	105 (30.8)	H1CA240/ L1EU240	8800 (14960)	86 (30.0)	72 (22.2)	296 (86.7)	263 (77.1)	- (-)
		80 (26.6)	67 (19.4)	116 (33.9)	107 (31.4)	97 (27.2)			80 (26.6)	67 (19.4)	272 (79.7)	246 (72.1)	217 (63.6)
		74 (23.3)	62 (16.6)	107 (31.4)	93 (27.2)	89 (26.0)			74 (23.3)	62 (16.6)	251 (73.5)	226 (66.2)	199 (58.3)
		68 (20.0)	57 (13.8)	- (-)	- (-)	82 (24.0)			68 (20.0)	57 (13.8)	230 (67.4)	207 (60.7)	182 (53.3)
H2CA090 K3EU120	4400 (7480)	86 (30.0)	72 (22.2)	- (-)	- (-)	- (-)	H1CA300/ L1EU240	8800 (14960)	86 (30.0)	72 (22.2)	331 (97.0)	296 (86.7)	250 (73.3)
		80 (26.6)	67 (19.4)	103 (30.2)	91 (26.6)	79 (23.1)			80 (26.6)	67 (19.4)	307 (89.9)	275 (80.6)	239 (70.0)
		74 (23.3)	62 (16.6)	93 (27.2)	82 (24.0)	70 (20.5)			74 (23.3)	62 (16.6)	286 (83.8)	256 (75.0)	222 (65.0)
		68 (20.0)	57 (13.8)	84 (24.6)	75 (22.0)	64 (18.7)			68 (20.0)	57 (13.8)	- (-)	236 (69.1)	205 (60.1)
H2CA120 K3EU120	4400 (7480)	86 (30.0)	72 (22.2)	136 (39.8)	124 (36.3)	112 (32.8)	H1CA360/ L1EU240	8800 (14960)	86 (30.0)	72 (22.2)	371 (108.7)	338 (99.0)	299 (87.6)
		80 (26.6)	67 (19.4)	126 (36.9)	114 (33.4)	102 (29.9)			80 (26.6)	67 (19.4)	344 (100.4)	312 (91.4)	278 (81.5)
		74 (23.3)	62 (16.6)	115 (33.7)	104 (30.4)	92 (26.9)			74 (23.3)	62 (16.6)	320 (93.8)	291 (85.3)	258 (75.6)
		68 (20.0)	57 (13.8)	106 (31.0)	95 (27.8)	85 (24.9)			68 (20.0)	57 (13.8)	- (-)	- (-)	237 (69.4)
H1CA150 K3EU120	4400 (7480)	86 (30.0)	72 (22.2)	156 (45.7)	141 (41.3)	125 (36.6)	H1CA360/ L1EU360	13000 (22100)	86 (30.0)	72 (22.2)	422 (123.6)	370 (108.4)	- (-)
		80 (26.6)	67 (19.4)	144 (42.2)	130 (38.1)	116 (34.0)			80 (26.6)	67 (19.4)	391 (114.6)	353 (103.4)	308 (90.2)
		74 (23.3)	62 (16.6)	132 (38.6)	118 (34.6)	105 (30.7)			74 (23.3)	62 (16.6)	363 (106.4)	327 (95.8)	286 (83.8)
		68 (20.0)	57 (13.8)	- (-)	108 (31.6)	96 (28.1)			68 (20.0)	57 (13.8)	335 (98.2)	301 (88.2)	264 (77.4)
H2CA180 K3EU120	4400 (7480)	86 (30.0)	72 (22.2)	180 (52.7)	163 (47.8)	145 (42.5)	H1CA480/ L1EU360	13000 (22100)	86 (30.0)	72 (22.2)	521 (152.7)	468 (137.1)	420 (123.1)
		80 (26.6)	67 (19.4)	165 (48.3)	151 (44.2)	134 (39.3)			80 (26.6)	67 (19.4)	483 (141.5)	438 (128.3)	388 (113.7)
		74 (23.3)	62 (16.6)	- (-)	138 (40.4)	123 (36.0)			74 (23.3)	62 (16.6)	447 (130.9)	405 (118.7)	359 (105.2)
		68 (20.0)	57 (13.8)	- (-)	- (-)	- (-)			68 (20.0)	57 (13.8)	- (-)	371 (108.7)	330 (96.7)
H2CA120 K1EU180	6600 (11200)	86 (30.0)	72 (22.2)	- (-)	- (-)	- (-)	H1CA480/ L1EU480	17500 (29750)	86 (30.0)	72 (22.2)	594 (174.0)	515 (150.9)	- (-)
		80 (26.6)	67 (19.4)	142 (41.6)	128 (37.5)	115 (33.7)			80 (26.6)	67 (19.4)	532 (155.9)	480 (140.6)	420 (123.0)
		74 (23.3)	62 (16.6)	129 (37.8)	117 (34.2)	103 (30.2)			74 (23.3)	62 (16.6)	485 (142.1)	436 (127.7)	383 (112.2)
		68 (20.0)	57 (13.8)	119 (34.8)	107 (31.3)	93 (27.2)			68 (20.0)	57 (13.8)	439 (128.6)	395 (115.7)	348 (101.9)
H1CA150 K1EU180	6600 (11200)	86 (30.0)	72 (22.2)	172 (50.4)	- (-)	- (-)	H1CA600/ L1EU480	17500 (29750)	86 (30.0)	72 (22.2)	669 (196.0)	607 (177.9)	530 (155.3)
		80 (26.6)	67 (19.4)	158 (46.3)	141 (41.3)	125 (36.6)			80 (26.6)	67 (19.4)	612 (179.3)	555 (162.6)	489 (143.3)
		74 (23.3)	62 (16.6)	143 (42.5)	130 (38.1)	113 (33.1)			74 (23.3)	62 (16.6)	559 (163.8)	507 (148.6)	449 (131.6)
		68 (20.0)	57 (13.8)	132 (38.6)	118 (34.6)	104 (30.4)			68 (20.0)	57 (13.8)	- (-)	460 (134.8)	407 (119.3)
H2CA180 K1EU180	6600 (11200)	86 (30.0)	72 (22.2)	213 (62.4)	192 (56.2)	169 (49.5)	H1CA600/ L1EU600	22000 (37400)	86 (30.0)	72 (22.2)	725 (212.4)	- (-)	- (-)
		80 (26.6)	67 (19.4)	197 (57.7)	177 (51.8)	155 (45.4)			80 (26.6)	67 (19.4)	661 (193.7)	597 (174.9)	523 (153.2)
		74 (23.3)	62 (16.6)	181 (53.0)	163 (47.7)	143 (41.9)			74 (23.3)	62 (16.6)	602 (176.4)	545 (159.7)	478 (140.0)
		68 (20.0)	57 (13.8)	166 (48.6)	150 (43.9)	131 (38.4)			68 (20.0)	57 (13.8)	556 (162.9)	502 (147.0)	442 (129.5)

COOLING CAPACITY - CONDENSING SECTION ONLY

MBH (kW Thermal)

Model	Suction Pressure and Corresponding Temp. at Saturation		Temperature of Air on Condenser Coil, °F (°C)											
			65 (18.3)		75 (23.8)		85 (29.4)		95 (35)		105 (40.5)		115 (46.1)	
			MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input
H2CA 090	54.9 (379)	30 (-1.1)	78 (22.8)	6.1	72 (21.1)	6.2	67 (19.6)	6.4	61 (17.9)	6.6	56 (16.4)	6.7	49 (14.3)	7.0
	61.5 (424)	35 (1.7)	87 (25.4)	6.5	81 (23.7)	6.7	75 (21.9)	6.8	69 (20.2)	7.0	63 (18.5)	7.2	56 (16.4)	7.4
	68.5 (472)	40 (4.4)	98 (28.6)	6.8	91 (26.6)	7.0	84 (24.6)	7.3	77 (22.5)	7.5	70 (20.5)	7.8	63 (18.4)	8.0
	76.0 (524)	45 (7.2)	108 (31.6)	7.2	100 (29.3)	7.4	93 (27.2)	7.8	85 (24.9)	8.0	78 (22.8)	8.3	71 (20.8)	8.6
	84.0 (579)	50 (10.0)	119 (34.8)	7.6	111 (32.5)	7.9	102 (29.8)	8.2	93 (27.2)	8.5	85 (24.9)	8.8	78 (22.8)	9.1
H2CA 120	54.9 (379)	30 (-1.1)	108 (31.6)	8.2	101 (29.6)	8.7	94 (27.5)	9.1	86 (25.2)	9.5	79 (23.1)	9.7	72 (21.1)	10.0
	61.5 (424)	35 (1.7)	119 (34.8)	8.6	111 (32.5)	9.0	104 (30.4)	9.5	96 (28.1)	9.9	89 (26.1)	10.2	81 (23.7)	10.5
	68.5 (472)	40 (4.4)	130 (38.0)	9.0	123 (36.0)	9.5	115 (33.6)	9.9	106 (31.0)	10.3	98 (28.7)	10.6	90 (26.3)	11.0
	76.0 (524)	45 (7.2)	142 (41.5)	9.5	133 (38.9)	10.0	125 (36.6)	10.4	116 (34.0)	10.8	108 (31.6)	11.2	100 (29.3)	11.5
	84.0 (579)	50 (10.0)	154 (45.1)	10.0	145 (42.4)	10.5	136 (39.8)	11.0	127 (37.2)	11.4	118 (34.5)	11.8	109 (31.9)	12.0
H1CA 150	54.9 (379)	30 (-1.1)	122 (35.7)	10.7	114 (33.4)	11.0	107 (31.3)	11.3	99 (29.0)	11.7	91 (26.6)	12.0	83 (24.3)	12.3
	61.5 (424)	35 (1.7)	135 (39.5)	11.3	126 (36.9)	11.6	118 (34.6)	12.0	109 (31.9)	12.4	100 (29.3)	12.8	92 (26.9)	13.1
	68.5 (472)	40 (4.4)	148 (43.3)	11.8	139 (40.7)	12.2	129 (37.8)	12.6	120 (35.1)	13.0	111 (32.5)	13.5	103 (30.1)	13.9
	76.0 (524)	45 (7.2)	163 (47.7)	12.5	154 (45.1)	12.8	142 (41.6)	13.2	132 (38.6)	13.7	122 (35.7)	14.2	113 (33.1)	14.7
	84.0 (579)	50 (10.0)	179 (52.4)	13.0	168 (49.2)	13.4	156 (45.7)	13.9	144 (42.2)	14.5	133 (38.9)	15.0	123 (36.0)	15.4
H2CA 180	54.9 (379)	30 (-1.1)	169 (49.4)	11.3	161 (47.1)	12.7	151 (44.2)	13.7	139 (40.7)	14.6	128 (37.5)	15.2	116 (34.0)	15.9
	61.5 (424)	35 (1.7)	191 (55.9)	12.0	178 (52.1)	13.2	166 (48.6)	14.3	153 (44.8)	15.2	140 (41.0)	16.0	128 (37.5)	16.8
	68.5 (472)	40 (4.4)	208 (60.9)	12.5	194 (56.8)	13.8	181 (53.0)	15.0	168 (49.2)	15.9	153 (44.8)	16.8	140 (41.0)	17.7
	76.0 (524)	45 (7.2)	226 (66.1)	13.2	211 (61.8)	14.5	196 (57.4)	15.7	182 (53.3)	16.6	167 (48.9)	17.6	152 (44.5)	18.6
	84.0 (579)	50 (10.0)	245 (71.7)	13.8	229 (67.0)	15.0	213 (62.3)	16.2	197 (57.7)	17.4	180 (52.7)	18.5	166 (48.6)	19.4
H1CA 240	54.9 (379)	30 (-1.1)	223 (65)	16.2	209 (61)	17.0	194 (57)	17.8	180 (53)	18.6	164 (48)	19.4	151 (44)	20.2
	61.5 (424)	35 (1.7)	247 (72)	16.9	231 (68)	17.8	214 (63)	18.7	199 (58)	19.5	183 (54)	20.5	168 (49)	21.4
	68.5 (472)	40 (4.4)	271 (79)	17.5	254 (74)	18.5	236 (69)	19.4	218 (64)	20.4	201 (59)	21.4	184 (54)	22.5
	76.0 (524)	45 (7.2)	298 (87)	18.2	278 (81)	19.2	259 (76)	20.2	240 (70)	21.4	221 (65)	22.4	202 (59)	23.6
	84.0 (579)	50 (10.0)	328 (96)	18.8	306 (90)	20.0	284 (83)	21.0	263 (77)	22.2	242 (71)	23.5	221 (65)	25.1
H1CA 300	54.9 (379)	30 (-1.1)	275 (81)	18.0	256 (75)	19.0	238 (70)	20.0	219 (64)	21.1	200 (59)	22.2	180 (53)	23.3
	61.5 (424)	35 (1.7)	301 (88)	18.7	280 (82)	19.9	260 (76)	21.1	239 (70)	22.2	220 (65)	23.4	198 (58)	24.1
	68.5 (472)	40 (4.4)	328 (96)	19.5	305 (89)	21.0	284 (83)	22.2	261 (76)	23.4	239 (70)	24.7	215 (63)	26.0
	76.0 (524)	45 (7.2)	354 (104)	20.4	329 (96)	21.8	306 (90)	23.2	282 (83)	24.6	257 (75)	26.1	232 (68)	27.4
	84.0 (579)	50 (10.0)	383 (112)	21.4	355 (104)	23.0	329 (96)	24.4	303 (89)	25.9	276 (110)	27.4	250 (73)	29.0

COOLING CAPACITY - CONDENSING SECTION ONLY

MBH (kW Thermal)

Model	Suction Pressure and Corresponding Temp. at Saturation		Temperature of Air on Condenser Coil, °F (°C)											
			65 (18.3)		75 (23.8)		85 (29.4)		95 (35)		105 (40.5)		115 (46.1)	
			MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input	MBH (kW Thermal)	kW Input
H1CA360	54.9 (379)	30 (-1.1)	324 (95)	25.1	303 (89)	26.2	282 (83)	27.4	261 (76)	28.7	241 (71)	30.0	219 (64)	31.5
	61.5 (424)	35 (1.7)	354 (104)	26.1	332 (97)	27.3	310 (91)	28.9	287 (84)	30.3	264 (77)	31.8	241 (71)	33.2
	68.5 (472)	40 (4.4)	385 (113)	27.1	362 (106)	28.6	337 (99)	30.4	313 (92)	31.9	288 (84)	33.5	263 (77)	35.2
	76.0 (524)	45 (7.2)	418 (122)	28.1	392 (115)	29.9	366 (107)	31.8	340 (100)	33.5	313 (92)	35.2	284 (83)	36.8
	84.0 (579)	50 (10.0)	453 (133)	29.1	424 (124)	31.1	396 (116)	33.0	368 (107)	34.9	340 (100)	36.7	307 (90)	38.3
H1CA480	54.9 (379)	30 (-1.1)	434 (127)	33.2	406 (119)	34.8	377 (110)	36.4	349 (102)	37.9	320 (94)	39.6	294 (86)	41.1
	61.5 (424)	35 (1.7)	481 (141)	34.7	449 (132)	36.5	416 (122)	38.2	386 (113)	39.9	355 (104)	41.7	326 (96)	43.5
	68.5 (472)	40 (4.4)	526 (154)	36.0	490 (144)	38.0	456 (133)	39.8	422 (124)	41.8	389 (114)	43.8	355 (104)	46.0
	76.0 (524)	45 (7.2)	575 (168)	37.5	537 (157)	39.6	500 (147)	41.6	464 (136)	43.8	425 (124)	45.9	387 (113)	48.6
	84.0 (579)	50 (10.0)	631 (185)	39.1	588 (172)	41.3	546 (160)	43.4	505 (148)	45.8	465 (136)	48.3	422 (124)	52.1
H1CA600	54.9 (379)	30 (-1.1)	540 (158)	42.0	505 (148)	44.0	470 (138)	46.0	436 (128)	48.1	400 (117)	50.3	365 (107)	52.5
	61.5 (424)	35 (1.7)	594 (174)	43.8	555 (163)	46.0	517 (151)	48.4	480 (141)	50.7	442 (129)	53.1	403 (118)	55.3
	68.5 (472)	40 (4.4)	648 (190)	45.7	606 (178)	48.0	565 (166)	50.8	524 (154)	53.1	482 (141)	55.8	440 (129)	58.4
	76.0 (524)	45 (7.2)	705 (207)	47.3	660 (193)	50.2	615 (180)	53.0	571 (167)	55.8	525 (154)	58.5	477 (140)	61.4
	84.0 (579)	50 (10.0)	768 (225)	49.2	719 (211)	52.2	670 (196)	55.2	620 (182)	58.2	571 (167)	61.3	517 (152)	64.6

COOLING CAPACITY - EVAPORATOR BLOWERS ONLY

MBH (kW Thermal)

Model	Air on EVAP. °F (°C)			Evaporator Pressure - PSIG (kPa) and Corresponding Temp. - °F (°C) at Saturation										
				54.9 (378)/30 (-1.1)		61.5 (424)/35 (1.6)		68.5 (472)/40 (4.4)		76.0 (524)/45 (7.2)		84.0 (579)/50 (10.0)		
				TOTAL (kW Thermal)	SENS kW Thermal	TOTAL (kW Thermal)	SENS kW Thermal	TOTAL (kW Thermal)	SENS kW Thermal	TOTAL (kW Thermal)	SENS kW Thermal	TOTAL (kW Thermal)	SENS kW Thermal	
K3EU090	3300 (5610)	86 (30)	72 (22)	183 (53.6)	101 (29.6)	160 (46.8)	93 (27.2)	137 (40.1)	81 (23.7)	114 (33.4)	73 (21.4)	91 (26.6)	68 (19.9)	
		80 (27)	67 (19)	153 (44.8)	52 (26.9)	130 (38.1)	83 (24.3)	107 (31.3)	73 (21.4)	84 (24.6)	65 (19.0)	61 (17.9)	61 (17.9)	
		74 (23)	62 (17)	124 (36.3)	84 (24.6)	102 (29.9)	73 (21.4)	80 (23.4)	65 (19.0)	58 (17.0)	58 (17.0)	36 (10.5)	36 (10.5)	
		68 (20)	57 (14)	94 (27.5)	67 (19.6)	76 (22.3)	62 (18.2)	58 (17.0)	58 (17.0)	40 (11.7)	40 (11.7)	22 (6.4)	22 (6.4)	
		86 (30)	72 (22)	258 (75.5)	143 (41.9)	277 (66.5)	132 (38.7)	196 (57.4)	116 (34.0)	165 (48.3)	106 (31.0)	134 (39.2)	101 (29.6)	101 (29.6)
K3EU120	4400 (7480)	80 (27)	67 (19)	215 (63.0)	129 (37.8)	185 (54.2)	118 (34.6)	155 (45.4)	105 (30.7)	125 (36.6)	96 (28.1)	95 (27.8)	95 (27.8)	
		74 (23)	62 (17)	174 (51.0)	117 (34.3)	144 (42.2)	103 (30.2)	114 (33.4)	92 (26.9)	84 (24.6)	84 (24.6)	54 (15.8)	54 (15.8)	
		68 (20)	57 (14)	133 (38.9)	95 (27.8)	106 (31.0)	87 (25.5)	79 (23.1)	79 (23.1)	52 (15.2)	52 (15.2)	25 (7.3)	25 (7.3)	
		86 (30)	72 (22)	386 (113.0)	214 (62.7)	342 (100.1)	196 (57.4)	298 (87.3)	179 (52.4)	254 (74.4)	166 (48.6)	210 (61.5)	158 (46.3)	158 (46.3)
		80 (27)	67 (19)	328 (96.0)	200 (58.6)	284 (83.2)	182 (53.3)	240 (70.3)	166 (48.6)	194 (56.8)	149 (43.6)	149 (43.6)	146 (42.7)	146 (42.7)
K1EU180	6600 (11220)	74 (23)	62 (17)	266 (77.9)	181 (53.0)	222 (65.0)	159 (46.6)	178 (52.1)	143 (41.9)	134 (39.2)	131 (38.4)	90 (26.4)	90 (26.4)	
		68 (20)	57 (14)	205 (60.0)	149 (43.6)	164 (48.0)	130 (38.1)	123 (36.0)	114 (33.4)	82 (24.0)	82 (24.0)	41 (12.0)	41 (12.0)	
		86 (30)	72 (22)	500 (146.5)	290 (84.9)	445 (130.4)	262 (76.8)	389 (113.9)	238 (69.7)	333 (97.6)	218 (63.9)	277 (81.2)	200 (58.6)	200 (58.6)
		80 (27)	67 (19)	418 (122.5)	263 (77.0)	365 (106.9)	237 (69.4)	312 (91.4)	215 (63.0)	259 (75.9)	197 (57.7)	205 (60.0)	187 (54.8)	187 (54.8)
		74 (23)	62 (17)	351 (102.8)	244 (71.5)	298 (87.3)	218 (63.9)	245 (71.8)	195 (57.1)	192 (56.3)	180 (52.7)	139 (40.7)	139 (40.7)	
L1EU240	8800 (14960)	68 (20)	57 (14)	279 (81.7)	213 (62.4)	228 (66.8)	187 (54.8)	177 (51.9)	171 (50.1)	126 (36.9)	126 (36.9)	74 (21.7)	74 (21.7)	

COOLING CAPACITY - EVAPORATOR BLOWERS ONLY (Cont.)

MBH (kW Thermal)

Model	Air on EVAP. °F (°C)			Evaporator Pressure - PSIG (kPa) and Corresponding Temp. - °F (°C) at Saturation									
	CFM (m³/h)	DB	WB	54.9 (378)/30 (-1.1)		61.5 (424)/35 (1.6)		68.5 (472)/40 (4.4)		76.0 (524)/45 (7.2)		84.0 (579)/50 (10.0)	
				TOTAL (kW Thermal)	SENS (kW Thermal)	TOTAL (kW Thermal)	SENS (kW Thermal)	TOTAL (kW Thermal)	SENS (kW Thermal)	TOTAL (kW Thermal)	SENS (kW Thermal)	TOTAL (kW Thermal)	SENS (kW Thermal)
L1EU360	13000 (22100)	86 (30.0)	72 (22.2)	753 (220.6)	437 (128.0)	669 (196.0)	395 (115.7)	585 (171.4)	357 (104.6)	500 (146.5)	328 (96.1)	415 (121.6)	300 (87.9)
		80 (26.6)	67 (19.4)	631 (184.9)	398 (116.6)	550 (161.1)	358 (104.9)	469 (137.4)	324 (94.9)	389 (113.9)	296 (86.7)	370 (90.8)	282 (82.6)
		74 (23.3)	62 (16.6)	525 (153.8)	365 (106.9)	446 (130.7)	326 (95.5)	367 (107.5)	292 (85.6)	287 (84.1)	270 (79.1)	208 (60.9)	208 (60.9)
		68 (20.0)	57 (13.8)	418 (122.5)	320 (93.8)	342 (100.2)	280 (82.0)	265 (77.6)	256 (75.0)	189 (55.4)	189 (55.4)	112 (32.8)	112 (32.8)
		86 (30.0)	72 (22.2)	997 (292.1)	558 (163.5)	893 (261.6)	509 (149.1)	788 (230.9)	465 (136.2)	683 (200.1)	434 (127.2)	578 (169.4)	405 (118.7)
L1EU480	17500 (29750)	80 (26.6)	67 (19.4)	831 (243.5)	507 (148.6)	728 (213.3)	459 (134.5)	624 (182.8)	418 (122.5)	520 (152.4)	385 (112.8)	417 (122.2)	371 (108.7)
		74 (23.3)	62 (16.6)	663 (194.3)	448 (131.3)	567 (166.1)	403 (118.1)	470 (137.7)	364 (106.7)	372 (109.0)	342 (100.2)	274 (80.3)	274 (80.3)
		68 (20.0)	57 (13.8)	513 (150.3)	382 (111.9)	418 (122.5)	334 (97.9)	324 (94.9)	306 (89.7)	230 (67.4)	230 (67.4)	135 (39.6)	135 (39.6)
		86 (30.0)	72 (22.2)	869* (254.6)	608* (178.1)	854* (250.2)	598* (175.2)	834* (244.4)	584* (171.1)	813* (238.2)	569* (166.7)	745 (218.3)	522 (152.9)
		80 (26.6)	67 (19.4)	862* (252.6)	603* (176.6)	833* (244.1)	550* (161.5)	771 (225.9)	517 (151.5)	658 (192.8)	484 (141.8)	545 (159.7)	472 (138.3)
L1EU600	22000 (37400)	74 (23.3)	62 (16.6)	797* (233.5)	558* (163.5)	707 (207.2)	502 (147.1)	593 (173.7)	460 (134.8)	480 (140.6)	442 (129.5)	367 (107.5)	367 (107.5)
		68 (20.0)	57 (13.8)	668 (195.7)	498 (145.9)	557 (163.2)	446 (130.7)	445 (130.4)	421 (123.4)	332 (97.3)	332 (97.3)	219 (64.2)	219 (64.2)

*These capacities are limited by the performance of the L1EU600's thermal expansion valves.

CORRECTION FACTORS FOR VARYING CFM'S ACROSS THE EVAPORATOR COILS

% CFM	50	65	70	80	90	100	110
Correction Factors -	0.64	0.7	0.82	0.89	0.95	1.00	1.05
Total Capacity							
Sensible Capacity	0.56	0.62	0.78	0.87	0.94	1.00	1.06

NOTE: These factors are only to be used with the capacities listed in the table above, EVAPORATOR BLOWER UNITS only.
Not to be applied to system cooling capacities.

BLOWER PERFORMANCE

BLOWER PERFORMANCE – AVAILABLE EXTERNAL STATIC PRESSURE – IWG
(Allowance Made for Wet Coil and Filters)

RPM	CFM (m ³ /h)														
	SP	BHP	kW	SP	BHP	kW	SP	BHP	kW	SP	BHP	kW	SP	BHP	kW
K3EU090															
	2400			2700			3000			3300			3600		
600	0.35	0.53	0.50	0.26	0.59	0.55	0.13	0.67	0.63	-	-	-	-	-	-
700	0.60	0.69	0.65	0.53	0.76	0.71	0.43	0.87	0.82	0.29	0.96	0.90	0.12	1.06	1.00
800	0.92	0.86	0.81	0.85	0.96	0.90	0.77	1.09	1.02	0.65	1.20	1.12	0.49	1.28	1.20
900	1.24	1.04	0.98	1.18	1.13	1.06	1.10	1.29	1.21	0.98	1.44	1.35	0.84	1.58	1.47
1000	1.58	1.24	1.16	1.53	1.34	1.25	1.46	1.50	1.40	1.37	1.71	1.59	1.24	1.92	1.75
K3EU120															
	3200			3600			4000			4400			4800		
700	0.49	0.88	0.83	0.34	1.06	1.00	0.14	1.23	1.15	-	-	-	-	-	-
800	0.84	1.18	1.11	0.71	1.28	1.20	0.53	1.50	1.40	0.30	1.70	1.58	-	-	-
900	1.18	1.38	1.29	1.06	1.58	1.47	0.91	1.80	1.65	0.70	2.08	1.90	0.43	2.35	2.15
1000	1.56	1.65	1.53	1.46	1.92	1.75	1.32	2.25	2.06	1.13	2.50	2.28	0.87	2.80	2.54
1100	1.98	2.10	1.92	1.90	2.40	2.20	1.77	2.70	2.45	1.62	3.00	2.72	1.39	3.35	3.05
K1EU180															
	4800			5400			6000			6600			7200		
600	0.46	1.44	1.35	0.30	1.65	1.53	0.11	1.96	1.79	-	-	-	-	-	-
700	0.84	1.83	1.68	0.70	2.12	1.94	0.54	2.43	2.22	0.36	2.85	2.58	0.12	3.12	2.83
800	1.26	2.28	2.09	1.15	2.72	2.47	1.00	3.03	2.75	0.83	3.33	3.02	0.62	3.78	-
900	1.70	2.95	2.67	1.63	3.24	2.95	1.52	3.84	-	1.38	4.12	-	-	-	-
1000	2.27	3.67	-	2.21	3.86	-	-	-	-	-	-	-	-	-	-
L1EU240															
	6400 (10880)			7200 (12240)			8000 (13600)			8800 (14960)			9600 (16320)		
600	.25	1.40	1.30	.10	1.70	1.60	-	-	-	-	-	-	-	-	-
700	.57	1.80	1.70	.43	2.10	1.90	.26	2.40	2.20	.06	2.80	2.50	-	-	-
800	.95	2.30	2.10	.83	2.60	2.30	.67	2.90	2.60	.50	3.40	.290	.30	4.00	3.50
900	1.34	2.80	2.50	1.23	3.20	2.80	1.09	3.70	3.20	.94	4.30	3.70	.75	5.00	4.40
1000	1.74	3.40	2.90	1.63	4.00	3.50	1.51	4.70	4.10	1.37	5.40	4.80	1.22	6.50	5.30
L1EU360															
	10000 (17000)			11000 (18700)			12000 (20400)			13000 (22100)			14000 (23800)		
600	.48	2.80	2.30	.35	3.30	2.70	.20	3.90	3.20	.03	4.30	3.50	-	-	-
700	.87	3.80	3.10	.76	4.40	3.60	.63	5.00	4.10	.48	5.50	4.50	.31	6.10	5.00
800	1.30	4.90	4.00	1.20	5.60	4.60	1.08	6.20	5.10	.94	6.80	5.60	.78	7.30	6.10
900	1.75	6.20	5.10	1.66	6.80	5.60	1.59	7.30	6.10	1.48	8.00	6.80	1.34	8.90	7.80
1000	2.25	7.70	6.50	2.15	8.20	7.00	2.06	8.70	7.70	1.97	9.50	8.40	1.88	11.00	9.90
L1EU480															
	13000 (22100)			14500 (24650)			16000 (27200)			17500 (29750)			19000 (32300)		
600	.31	4.30	3.50	.13	5.10	4.20	-	-	-	-	-	-	-	-	-
700	.76	5.60	4.60	.59	6.40	5.30	.42	7.20	6.00	.24	8.10	6.90	.03	9.20	8.10
800	1.22	6.90	5.70	1.08	7.70	6.50	.93	8.80	7.70	.76	9.80	8.70	.55	10.80	9.70
900	1.76	8.30	7.10	1.64	9.40	8.30	1.50	10.50	9.40	1.34	11.50	10.40	1.12	12.50	11.60
L1EU600															
	16000 (27200)			18000 (30600)			20000 (34000)			22000 (37400)			24000 (40800)		
600	.92	6.00	5.70	.72	7.20	6.90	.50	8.40	8.00	.25	9.70	9.30	-	-	-
700	1.50	8.20	7.80	1.34	9.20	8.80	1.13	10.50	10.10	.87	12.20	11.70	.59	13.80	13.20
800	2.10	10.00	9.60	1.98	12.00	11.50	1.79	13.30	12.70	1.55	14.90	14.30	1.28	17.00	16.30
900	2.70	12.80	12.20	2.65	14.50	13.90	2.50	16.00	15.30	2.30	18.00	17.20	-	-	-

ELECTRICAL DATA

CONDENSING UNITS

Model	Compressor Power Supply	Min./Max. Voltage	Compressor*			Cond. Fan Power Supply	Fan Motors**		Min. Circuit Ampacity	Max. Fuse Size
			FLA	LRA	PWS†		FLA	LRA		
H2CA090-50	380/415-3-50	342/440	13	91	-	380/415-3-50	2.5	6	23	30
H2CA120-50	380/415-3-50	342/440	19	104		380/415-3-50	3.4	10	31	40
H1CA150-50	380/415-3-50	342/440	27	125	-	380/415-3-50	2.5	10	38	50
H2CA180A-50	380/415-3-50	342/440	31	135 (82 PN)	82	380/415-3-50	2.3/2.5	6.7/6.2	50	60
H1CA240A-50	380/415-3-50	342/440	38	165	100	380/415-3-50	2.3/2.5	6.7/6.2	55	70
H1CA300A-50	380/415-3-50	342/440	57	200	121	380/415-3-50	2.3/2.5	6.7/6.2	80	90
H1CA360A-50	380/415-3-50	342/440	62.7	225	150	380/415-3-50	2.3/2.5	6.7/6.2	80	100
H1CA480A-50 SYSTEM 1	380/415-3-50	342/440	38	165	100	380/415-3-50	2.3/2.5	6.7/6.2	105	125
SYSTEM 2			38	165	100					
H1CA600A-50 SYSTEM 1	380/415-3-50	342/440	38	165	100	380/415-3-50	2.3/2.5	6.7/6.2	135	150
SYSTEM 2			62.7	225	150					

† Part Winding Start Amps.

* Compressor 1/ 2.

** Single speed motor amps/choke coil motor amps.

CA480/CA600 are dual refrigerant circuit condensing units.

EVAPORATOR BLOWERS - Factory Supplied Blower Motors

Model	Blower Motor HP	Power Supply	FLA	LRA	Max. Fuse Size*, Amps
K3EU090	1½	380/415-3-50	3	20	5
	2	380/415-3-50	3.7	29.5	8
K3EU120	1½	380/415-3-50	3	20	5
	2	380/415-3-50	3.7	29.5	8
	3	380/415-3-50	5.2	38	10
K1EU180	2	380/415-3-50	3.7	29.5	8
	3	380/415-3-50	5.2	38	10
L1EU240	3	380/415-3-50	5.73	40.7	10
	5	380/415-3-50	9.1	58.3	15
L1EU360	5	380/415-3-50	9.1	58.3	15
	7.5	380/415-3-50	14.0	80.7	25
L1EU480	7.5	380/415-3-50	14.0	80.7	25
	10.0	380/415-3-50	17.3	102.8	30
L1EU600	10.0	380/415-3-50	17.3	102.8	30

RESISTANCES FOR UNIT ACCESSORIES

Model	Accessory		Static Resistance, IWG					
			CFM(m ³ /h)	2400(4080)	2700(4590)	3000(5100)	3300(5610)	3600(6120)
K3EU090	Electric Heat							
	7.5kW		0.01	0.01	0.01	0.02	0.02	
	12.0kW		0.01	0.02	0.02	0.03	0.04	
	19.5kW		0.03	0.04	0.05	0.06	0.07	
	27.0kW		0.05	0.07	0.08	0.10	0.11	
	Supply Air Plenum		0.03	0.03	0.04	0.05	0.06	
	Return Air Grille		0.02	0.03	0.04	0.05	0.06	
K3EU120	CFM(m ³ /h)		3200(5440)	3600(6120)	4000(6800)	4400(7480)	4800(8160)	
	Electric Heat							
	7.5kW		0.02	0.02	0.03	0.03	0.04	
	12.0kW		0.03	0.04	0.05	0.06	0.07	
	19.5kW		0.06	0.07	0.09	0.11	0.13	
	27.0kW		0.09	0.11	0.14	0.17	0.20	
	Supply Air Plenum		0.05	0.06	0.07	0.08	0.10	
Return Air Grille		0.05	0.06	0.07	0.08	0.10		
K1EU180	CFM(m ³ /h)		4800(8160)	5400(9180)	6000(10200)	6600(11220)	7200(12240)	
	Electric Heat							
	7.5kW		0.04	0.05	0.06	0.08	0.10	
	12.0kW		0.07	0.09	0.11	0.14	0.17	
	19.5kW		0.13	0.16	0.20	0.24	0.29	
	27.0kW		0.20	0.24	0.29	0.35	0.42	
	54.0kW		0.36	0.43	0.52	0.63	0.76	
	Supply Air Plenum		0.03	0.04	0.05	0.06	0.07	
Return Air Grille		0.04	0.05	0.06	0.07	0.08		

BLOWER MOTOR AND DRIVE DATA - Field-Installed

Model	Motor HP*	Blower RPM	Adjustable Motor Pulley		Fixed Blower Pulley		Belt	
			Pitch Diameter, in.(mm)	Bore, in. (mm)	Pitch Diameter, in.(mm)	Bore, in. (mm)	Designation	Pitch Length, in. (mm)
K3EU090	1½	480-650	2.8 - 3.8 (71) - (97)	7/8 (26)	7.5 (190)	1 (25)	A36	37.3 (947)
		540-730			6.2 (157)		A34	35.3 (897)
	655-890	6.2 (157)			A34		35.3 (897)	
K3EU120	1½	540-730	2.8 - 3.8 (71) - (97)	7/8 (26)	7.5 (190)	1 (25)	A36	37.3 (947)
		785-1065			6.2 (157)		A34	35.3 (897)
	2	655-890			6.2 (157)		A34	35.3 (897)
		785-1060			6.2 (157)		A34	35.3 (897)
K1EU180	2	465-600	3.4 - 4.4 (71) - (97)	7/8 (26)	10.6 (296)	1 (25)	A55	56.3 (1430)
	3	580-750			8.5 (216)		A53	54.3 (1379)

*Motor Specifications:

- 1450 RPM
- 380/415-3-50¹
- solid base
- 56 frame
- inherently protected
- 1.0 service factor²
- permanently lubricated ball bearings

¹ These 3-phase motors will always be shipped for a 380/415-volt power supply. Refer to the wiring diagram inside the motor terminal box when the motor leads have to be reconnected for a 460-volt power supply.

² These motors can be selected to operate to the limit of their service factor because they are located in the moving air, upstream of any heating device.

PHYSICAL DATA - ELECTRIC HEAT ACCESSORY

Nominal Heater Capacity	7.5 kW	12 kW	19.5 kW	27 kW	54 kW*
HEATER ELEMENTS					
% Nickel	59.2				
% Chromium	16.0				
Coil ID, inches (mm)	9/32 (7.14)				
Rows Deep	1	2	3	4	8
Face Area, feet ² (m ²)	3.0 (.28)				

*Only available on Model EU180

ELECTRICAL DATA - HEATERS

Basic Unit	Nominal kW ¹	Power Supply	FLA	Total Unit Ampacity ² , Amps	Max. Fuse Size ³ , Amps	Min. Wire Size ⁴ , AWG
K3EU090	7.5	380-3-50	9.6	17	20	12
	7.5	415-3-50	10.4	18	20	12
	12	380-3-50	15.2	24	30	10
	12	415-3-50	16.5	26	30	10
	19.5	380-3-50	24.8	36	40	8
	19.5	415-3-50	26.9	38	40	8
	27	380-3-50	34.4	48	50	6
	27	415-3-50	37.3	51	60	6
K3EU120	7.5	380-3-50	9.6	19	25	12
	7.5	415-3-50	10.4	20	25	12
	12	380-3-50	15.2	26	30	10
	12	415-3-50	16.5	27	30	10
	19.5	380-3-50	24.8	38	40	8
	19.5	415-3-50	26.9	40	45	8
	27	380-3-50	34.4	50	60	6
	27	415-3-50	37.3	53	60	6
K1EU180	7.5	380-3-50	9.6	19	25	12
	7.5	415-3-50	10.4	20	25	12
	12	380-3-50	15.2	26	30	10
	12	415-3-50	16.5	27	30	10
	19.5	380-3-50	24.8	38	40	8
	19.5	415-3-50	26.9	40	45	8
	27	380-3-50	34.4	50	60	6
	27	415-3-50	37.3	53	60	6
	54	380-3-50	69.6	94	100	2
	54	415-3-50	75.4	101	125	2

¹ Refer to the HEATING CAPACITY table on page 8 for the actual kW and MBH ratings of each heater at the different voltages.

² Units with electric heat will always be wired for a single power supply.

³ Inverse time circuit breakers may be used in lieu of dual element, time delay fuses.

⁴ Based on three, insulated copper conductors in steel conduit:

60°C wire when ampacity is below 100 amps

70°C wire when ampacity is above 100 amps

PHYSICAL DATA CONDENSING UNITS

Model	Compressor		Condenser							Unit Weight Lbs. (Kg)		Charge, LBS-Oz (kg) (Refrigerant-22)	
			24" (610mm) Fans (Propeller)			Fan Motors		Coil		Ship.	Order.	Holding	Oper.
	Rating (Tons)	Capacity (Stages)	Qty.	Pitch (Deg.)	Nom. CFM (m ³ /h)	HP	RPM	Face Area Ft. ² (m ²)	Rows Wide				
H2CA090	7-1/2	1	1	30	5130 (8,720)	3/4	1075	12.6 (1.17)	35	580 (263)	490 (222)	1-12 (.794)	9-8 (4.309)
H2CA120	10	1	2	26	7200 (12,240)	1/2	940	16.1 (1.50)	40	665 (302)	565 (256)	2-12 (1.247)	11-0 (4.990)
H1CA150	12.5	1	2	26	7300 (12,396)	1/2	890	20.1 (1.87)	40	738 (335)	620 (281)	2-8 (1.13)	12-8 (5.76)
H2CA180	15	1	2	30	9900 (16,830)	3/4	1075	22.2 (2.06)	50	1000 (454)	880 (399)	3-0 (1.361)	13-8 (6.123)
H1CA240	20	2	3	30	17100 (29,037)	3/4	1075	38.8 (3.6)	48	1530 (695)	1360 (617)	5-2 (2.7)	20
H1CA300	25	2	3	30	16500 (28,018)	3/4	1075	38.8 (3.6)	48	1620 (735)	1450 (658)	5-2 (2.7)	27
H1CA360	30	3	4	30	22000 (37,350)	3/4	1075	45 (4.1)	54	1770 (804)	1580 (717)	6-0 (2.7)	26
H1CA480 SYSTEM 1	20	2	3	30	16050 (27,255)	3/4	1075	30 (2.8)	36			4-2 (1.9)	15
SYSTEM 2	20	2	3	30	16050 (27,255)	3/4	1075	30 (2.8)	36	2430 (1100)	2280 (1035)	4-2 (1.9)	15
H1CA600 SYSTEM 1	20	2	3	30	14400 (24,450)	3/4	1075	25 (2.3)	30			3-2 (1.4)	16.5
SYSTEM 2	30	3	4	30	19400 (32,940)	3/4	1075	35 (3.2)	42	2770 (1258)	2600 (1180)	4-8 (2.1)	24

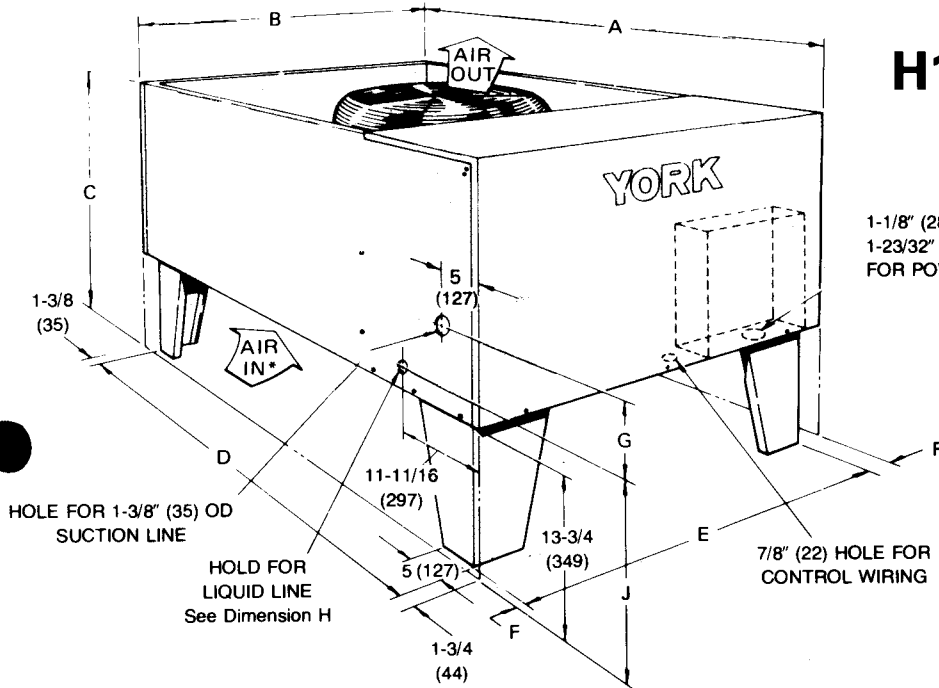
CA090 - CA150 have hermetic compressors. All other units have semi-hermetic compressors.
CA480/CA600 are dual refrigerant circuit condensing units.

EVAPORATOR BLOWERS

Model	K3EU090	K3EU120	K1EU180	L1EU240	L1EU360	L1EU480	L1EU600	
Evaporator Coil	Rows Deep	3	3	4	4	4	4	
	Fins/Inch	13	13	12		12		
	Tube Diameter Inches (mm)	3/8 (9)	3/8 (9)	1/2 (13)		1/2 (13)		
	Total Face Area, Sq. Ft. (m ²)	7.7 (.72)	10.2 (.95)	12.4 (1.15)	17.4 (1.6)	26.0 (2.4)	33.4 (3.1)	41.7 (3.9)
	Total Surface Area, Sq. Ft. (m ²)	578 (54)	752 (69)	1204 (112)	1628 (151)	2580 (240)	3310 (308)	3920 (364)
	Min. Tube Wall Thickness Inches (mm)			0.016 (.4)				
Quantity	1	2	2	2	2	2	2	
Evaporator Blower	Wheel Dia., In. (mm)	15 (381)	15 (381)	18 (457)	15 (381)	18 (457)	18 (457)	20 (508)
	Wheel Width, In. (mm)	15 (381)	15 (381)	18 (457)	12 (305)	18 (457)	18 (457)	18 (457)
Evaporator Blower Motor	Quantity			1				
	Horsepower	1 1/2, 2	1 1/2, 2, 3	2, 3	3, 5, 7 1/2	5, 7 1/2, 10	7 1/2, 10	10, 15
Filter, Quantity Per Size In. (mm)	16 x 20 x 1 (406 x 508 x 25)	-	-	-	-	-	-	
	16 x 25 x 1 (406 x 635 x 25)	4	4	-	-	-	6	
	20 x 20 x 1 (508 x 508 x 25)	-	-	6	-	12	-	
	20 x 22 1/2 x 1 (508 x 565 x 25)	-	-	-	8	3	-	
	20 x 25 x 1 (508 x 635 x 25)	-	-	-	-	10	3	
25 x 25 x 1 (635 x 635 x 25)	-	-	-	-	-	-	6	

UNIT DIMENSIONS - INCHES (mm)

MINIMUM CLEARANCES	
Overhead (Top)	120" (3048)
Front (Access Cover)	30" (762)
Rear	12" (305)
Left Side	12" (305)
Right Side	12" (305)



H2CA090, H2CA120

(Model H2CA120 has two condenser fans)

H1CA150 and 150

1-1/8" (28) HOLE WITH A
1-23/32" (43) KNOCKOUT RING
FOR POWER WIRING**

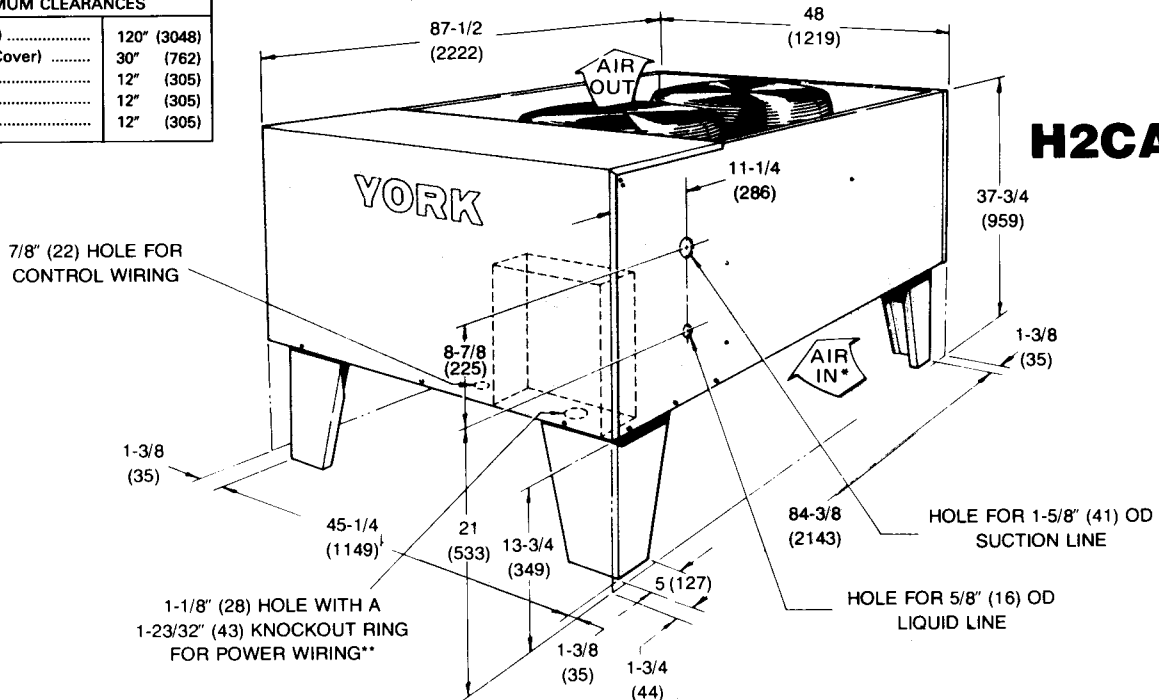
Dim.	Model					
	H2CA090		H2CA120		H1CA150	
	inches	mm	inches	mm	inches	mm
A	71 1/2	1816	79 1/2	2019	79 1/2	2019
B	35 3/8	899	41	1041	48	1219
C	37 3/4	959	37 3/4	959	37 3/4	959
D	68 3/8	1737	76 3/8	1940	76 3/8	1940
E	32 3/4	832	38 1/4	972	45 1/4	1149
F	1 5/16	33	1 3/8	35	1 3/8	35
G	4 7/8	124	4 3/8	111	4 3/8	111
H	1/2	13	5/8	16	5/8	16
J	15 1/16	398	16 3/16	411	16 3/16	411

*Air IN all sides.

If necessary to place one side of unit against wall, 24" (610mm) extra height must be added to support legs for proper air flow.

**Use the 1-1/8" (28mm) OD Hole for 380/415 volt units. Knock out the 1-23/32" (43mm) OD ring to enlarge hole for 200 volt units.

MINIMUM CLEARANCES	
Overhead (Top)	120" (3048)
Front (Access Cover)	30" (762)
Rear	12" (305)
Left Side	12" (305)
Right Side	12" (305)



H2CA180

*Air IN all sides.

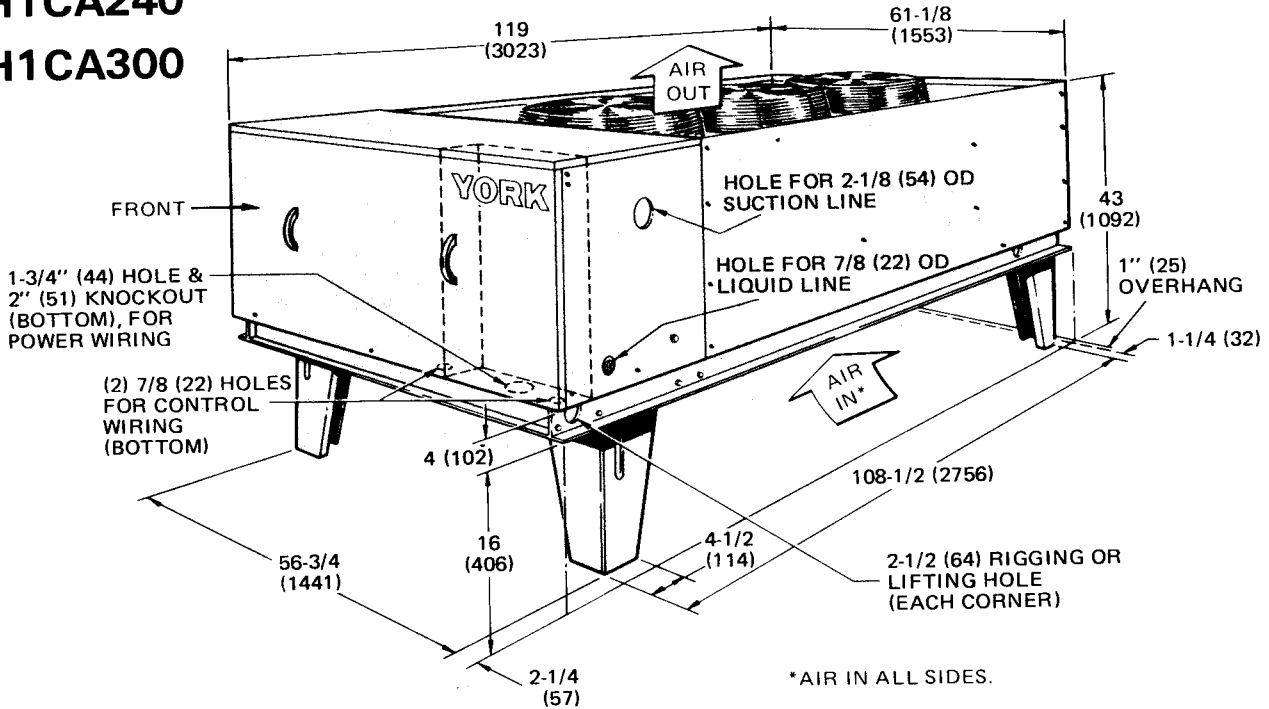
If necessary to place one side of unit against wall, 24" (610mm) extra height must be added to support legs for proper air flow.

**Use the 1-1/8" (38mm) OD hole for 380/415 volt units. Knock out the 1-23/32" (43mm) OD ring to enlarge hole for 200 volt units.

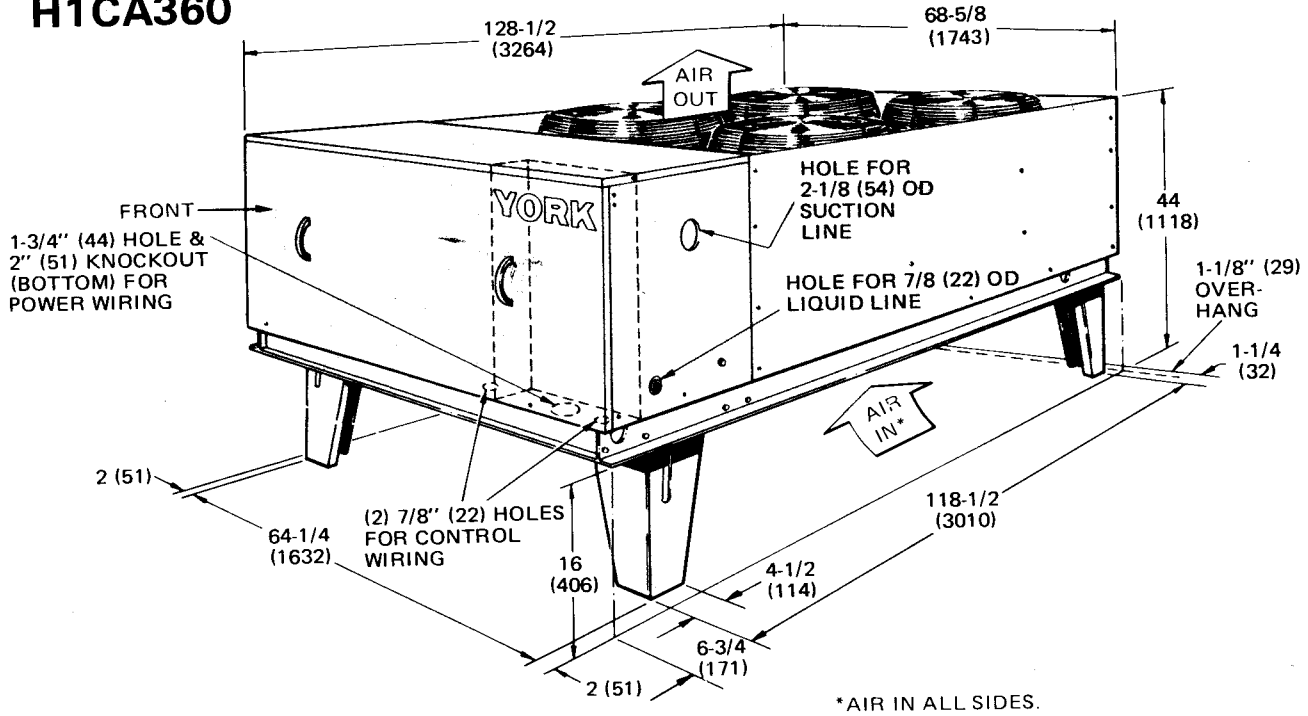
UNIT DIMENSIONS - INCHES (mm)

H1CA240

H1CA300



H1CA360



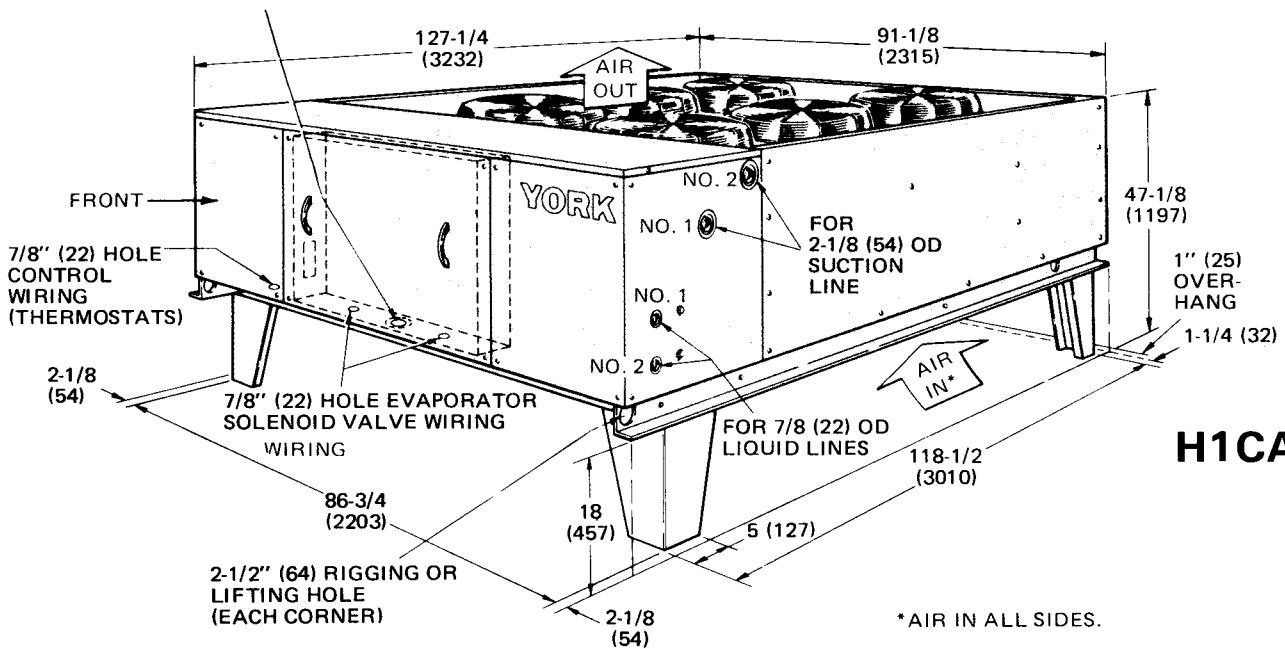
CLEARANCES

UNIT	Top Ft. (m)	Front In. (mm)	Right Side In. (mm)	Left Side In. (mm)	Rear In. (mm)
H1CA240	10	30	12	12	12
H1CA300	(3)	(762)	(305)	(305)	(305)
H1CA360					

NOTE: If necessary to place one side against wall, 24" (610) extra height must be added to supporting legs to obtain proper air flow.

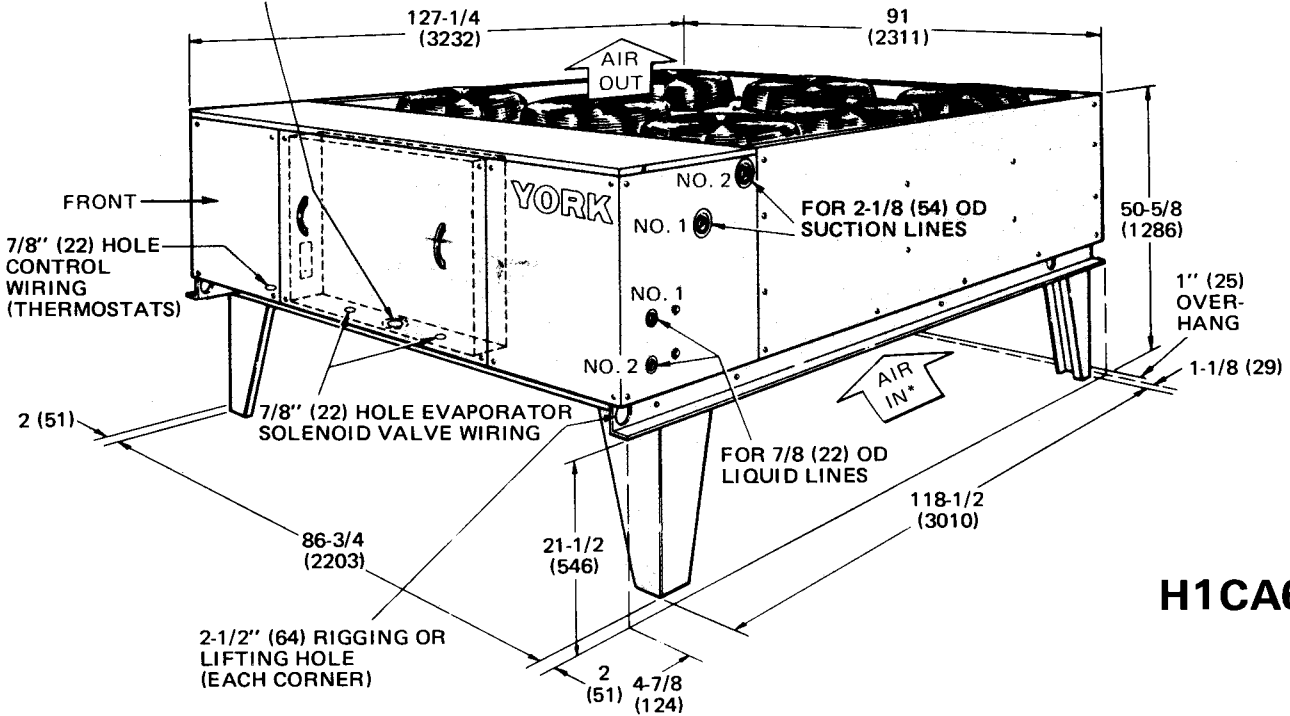
UNIT DIMENSIONS - INCHES (mm)

2-1/2" (64) HOLE & 3-5/8" (9) KNOCKOUT FOR FIELD WIRING POWER SUPPLY



H1CA480

2-1/2" (64) HOLE & 3-5/8" (9) KNOCKOUT FOR FIELD WIRING POWER SUPPLY



H1CA600

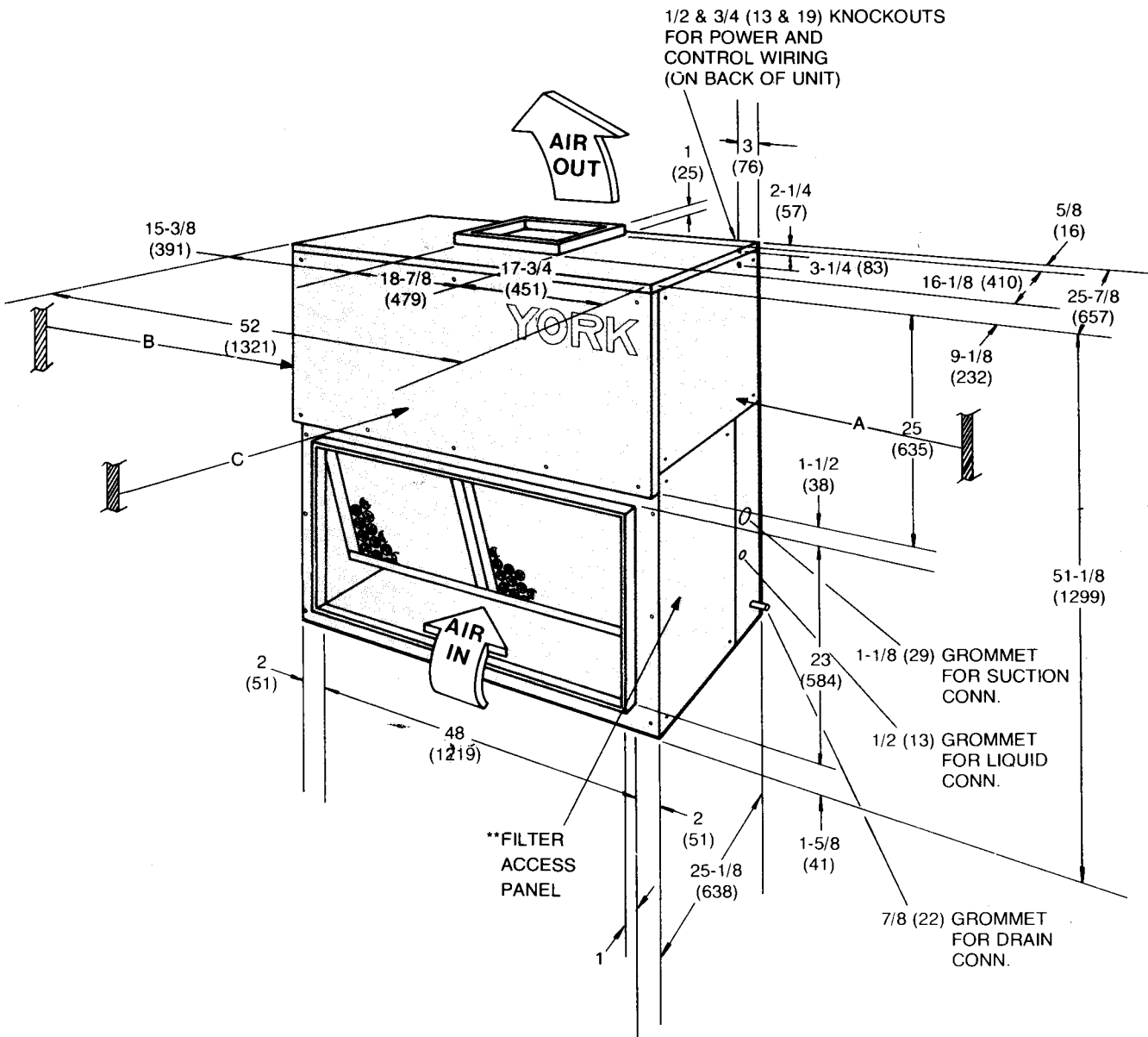
CLEARANCES

UNIT	Top Ft. (m)	Front In. (mm)	Right Side In. (mm)	Left Side In. (mm)	Rear In. (mm)
H1CA480	10	30	18	18	12
H1CA600	(3)	(762)	(457)	(457)	(305)

NOTE: If necessary to place one side against wall, 24" (610) extra height must be added to supporting legs to obtain proper air flow.

UNIT DIMENSIONS - INCHES (mm)

K3EU090, K3EU120



ACCESSORIES

- Discharge Plenum - Add 27-1/2" (700) to unit height when used.
- Base Section - Add 20" (510) to unit height when used.

CLEARANCES (Min.)

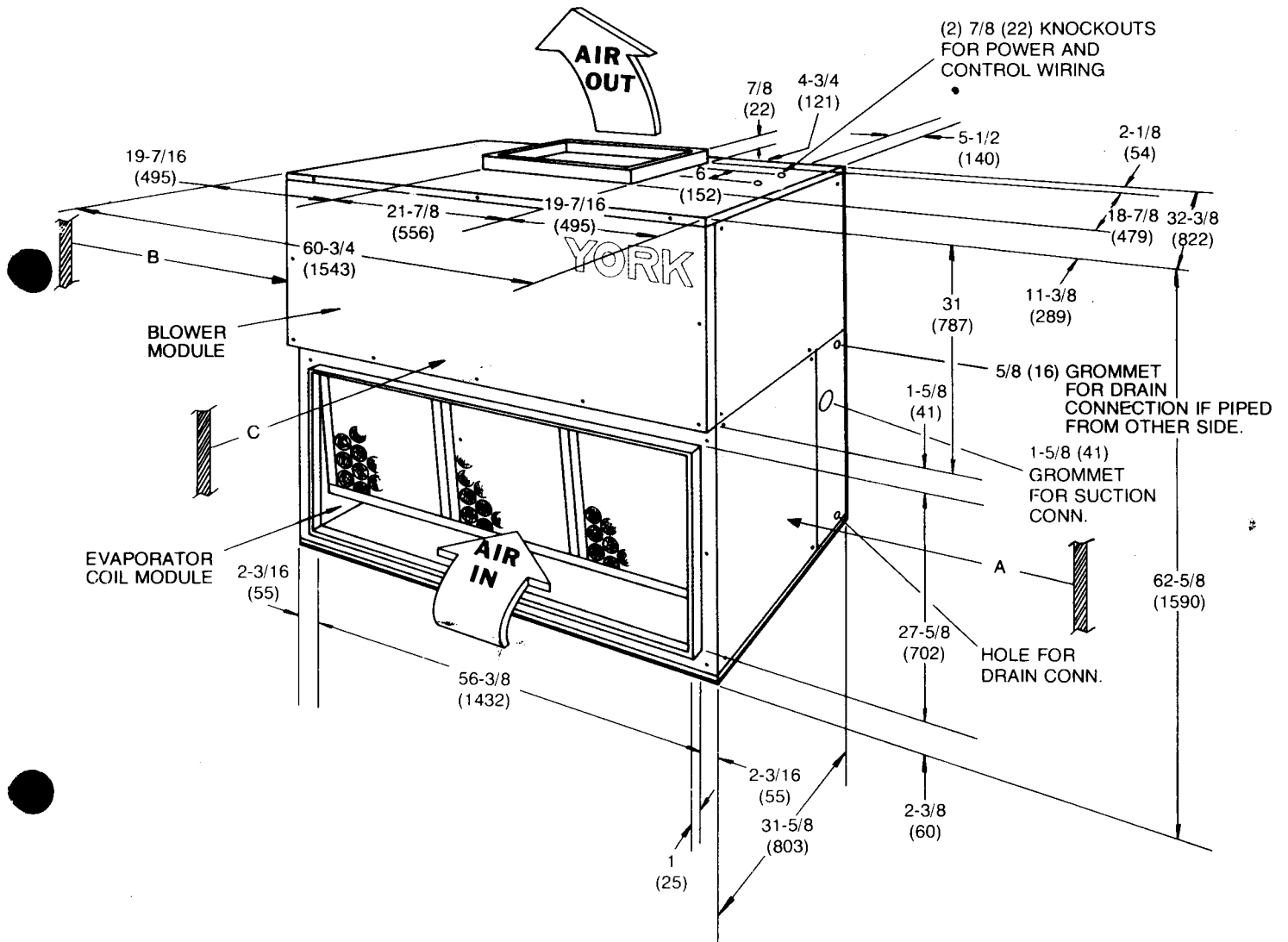
- A- Right Side* - 52" (1320)
- B- Left Side* - 12" (305)
- C- Front - 24" (610)

*This clearance required for coil removal.
26" (660) on right side for normal servicing.

**When the unit is installed in the horizontal position,
Do Not block the filter access panel with refrigerant piping.

UNIT DIMENSIONS - INCHES (mm)

K1EU180



ACCESSORIES

- Discharge Plenum - Add 27" (686) to unit height when used.
- Base Section - Add 24" (610) to unit height when used.

CLEARANCES (Min.)

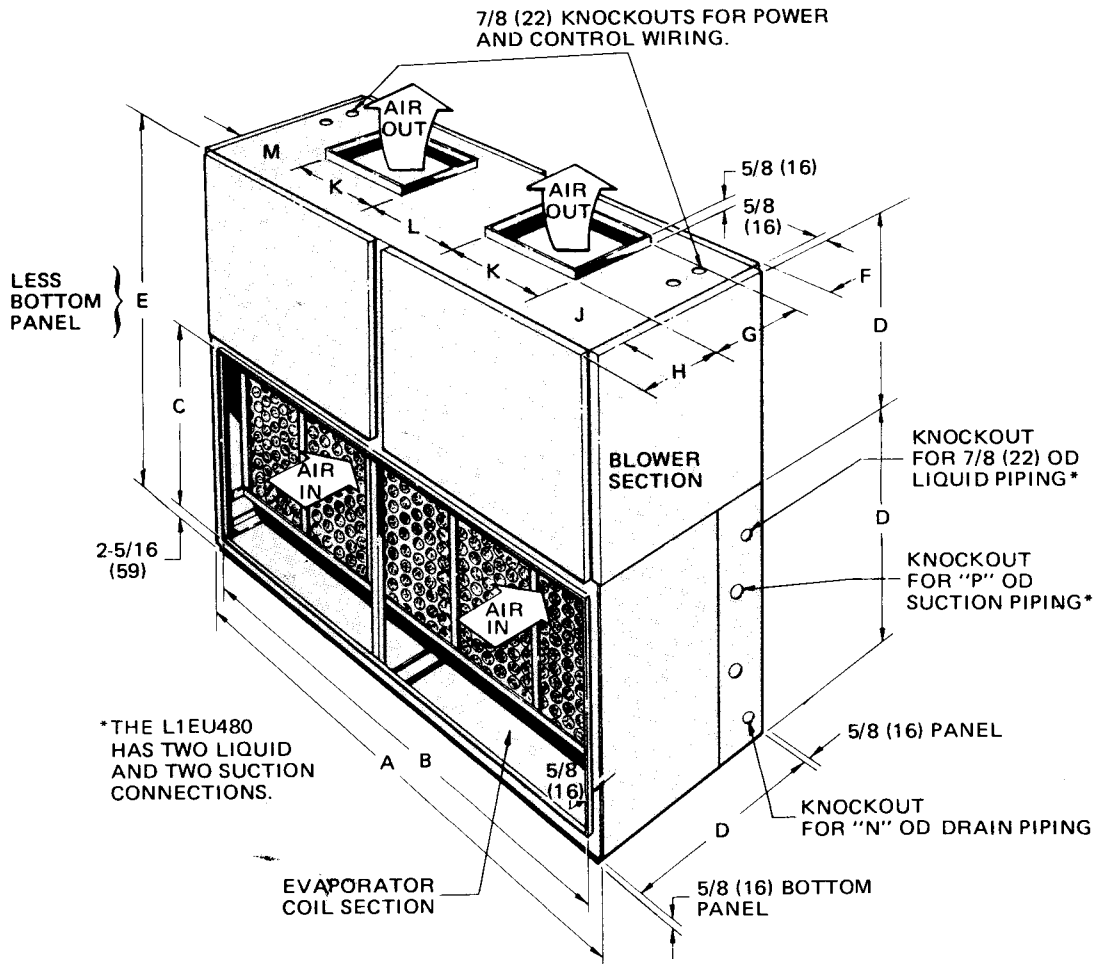
- A- Right Side* - 61" (1550)
- B- Left Side* - 12" (305)
- C- Front - 24" (610)

*This clearance required for coil removal.
26" (660) on right side for normal servicing.

UNIT DIMENSIONS - INCHES (mm)

L1EU240,

L1EU360, L1EU480



ACCESSORIES

- a. Plenum — Add 24-5/8" (625) to unit height when used.
- b. Base — Add 23-3/8" (594) to unit height when used.

CLEARANCES

- a. 24" (610) on connection end and blower motor end.
- b. 1" (25) on end opposite connections.
- c. 1" (25) on rear.

NOTE: Refer to the respective unit's product drawing for more detailed dimensions.

APPROX. SHIPPING WT. (Less Motor and Drive)

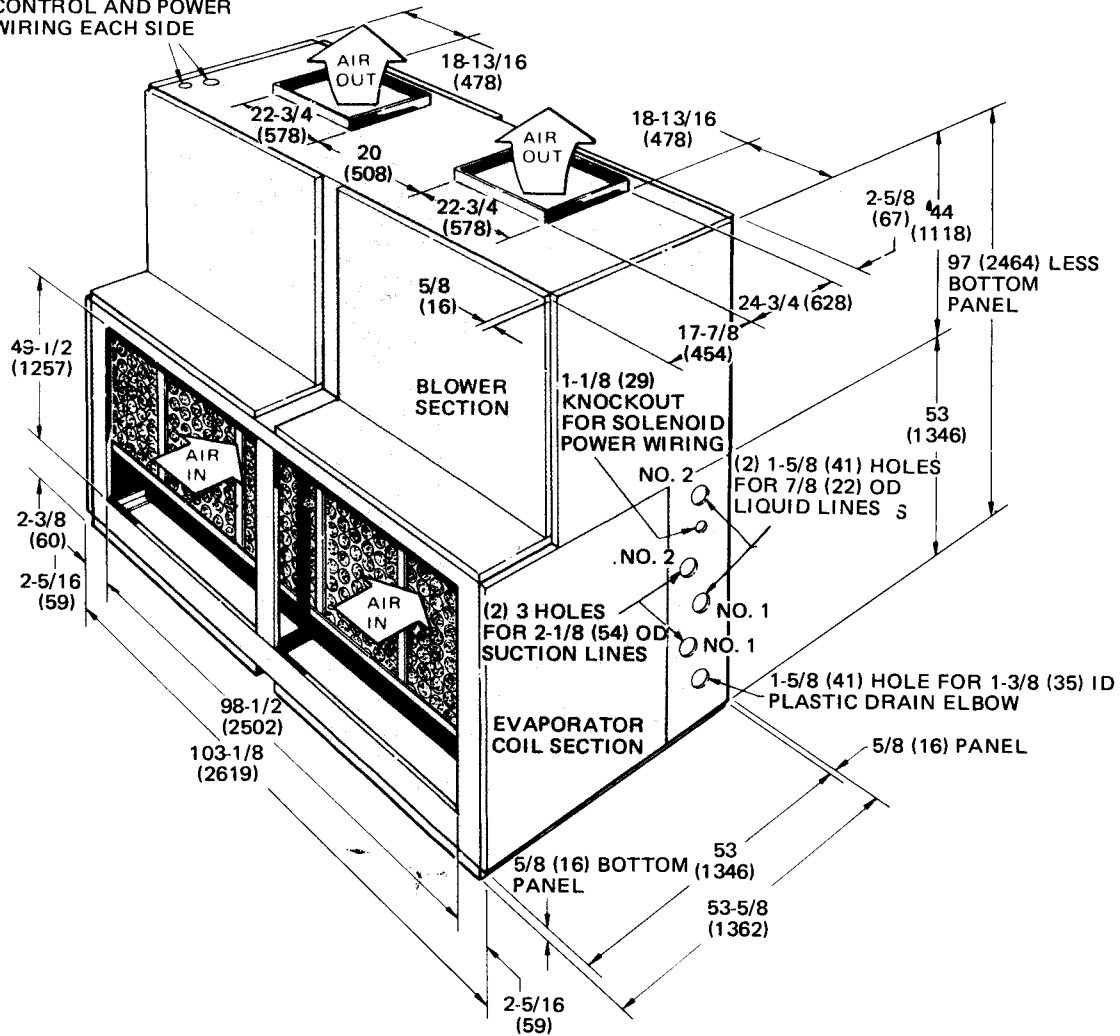
- a. L1EU240 — 800 lbs. (362 kg)
- b. L1EU360 — 1115 lbs. (505 kg)
- c. L1EU480 — 1425 lbs. (646 kg)

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P
L1EU240	89-1/2 (2273)	85 (2159)	26-1/8 (664)	29-1/2 (749)	59 (1498)	2-7/16 (62)	15-7/8 (403)	12-7/16 (316)	20-3/4 (527)	16 (406)	16 (406)	20-3/4 (527)	1 (25)	1-5/8 (41)
L1EU360	100-1/8 (2543)	95-5/8 (2429)	33-1/4 (845)	36-5/8 (930)	73-1/4 (1857)	2-1/2 (64)	18-7/8 (479)	16-1/2 (419)	15-13/16 (402)	21-7/8 (556)	18 (457)	22-9/16 (573)	1 (25)	2-1/8 (54)
L1EU480	103-1/8 (2619)	98-5/8 (2505)	40-5/8 (1032)	44 (1118)	88 (2235)	2-1/2 (64)	18-7/8 (479)	23-7/8 (606)	20-11/16 (525)	21-7/8 (556)	18 (457)	20-11/16 (525)	1-1/8 (29)	1-5/8 (41)

UNIT DIMENSIONS - INCHES (mm)

L1EU600

1-3/8 (35) & 7/8 (22) KNOCKOUTS FOR CONTROL AND POWER WIRING EACH SIDE



CLEARANCES

- 24" (610) on connection end and blower motor end.
- 1" (25) on end opposite connections.
- 1" (25) on rear.

APPROX. SHIPPING WT.

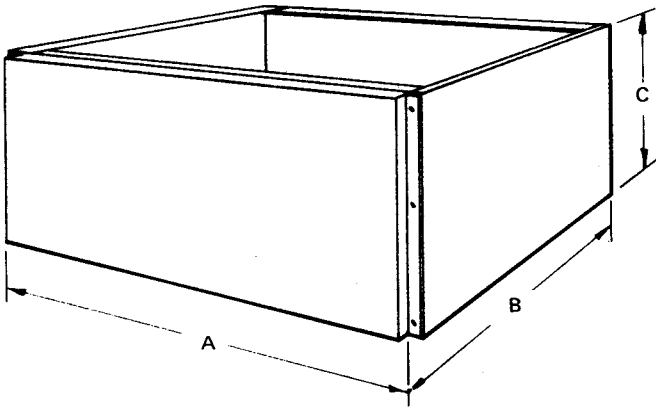
(Less Motor and Drive)

- Coil Section* - 1083 lbs. (491 kg)
- Blower Section* - 540 lbs. (245 kg)

*Coil and blower must be ordered at the same time but are shipped separately.

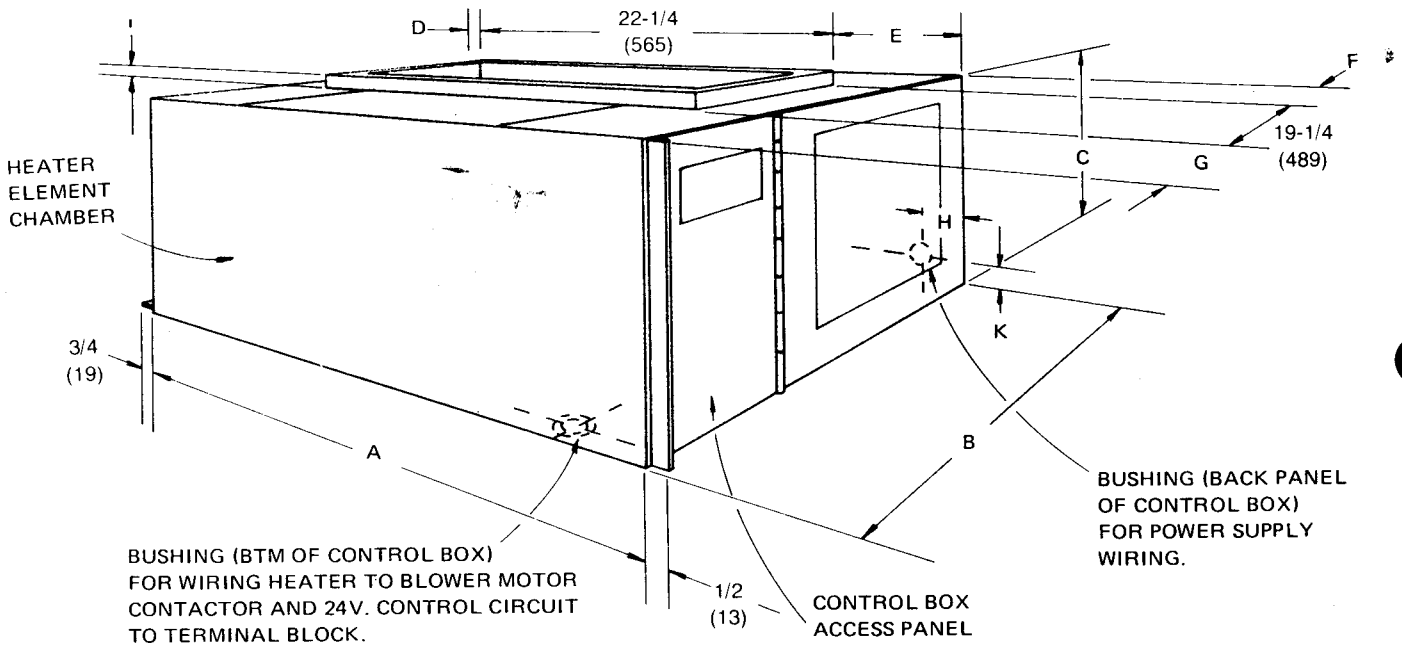
NOTE: Refer to the unit's product drawing for more detailed dimensions.

BASE SECTION - INCHES (mm)



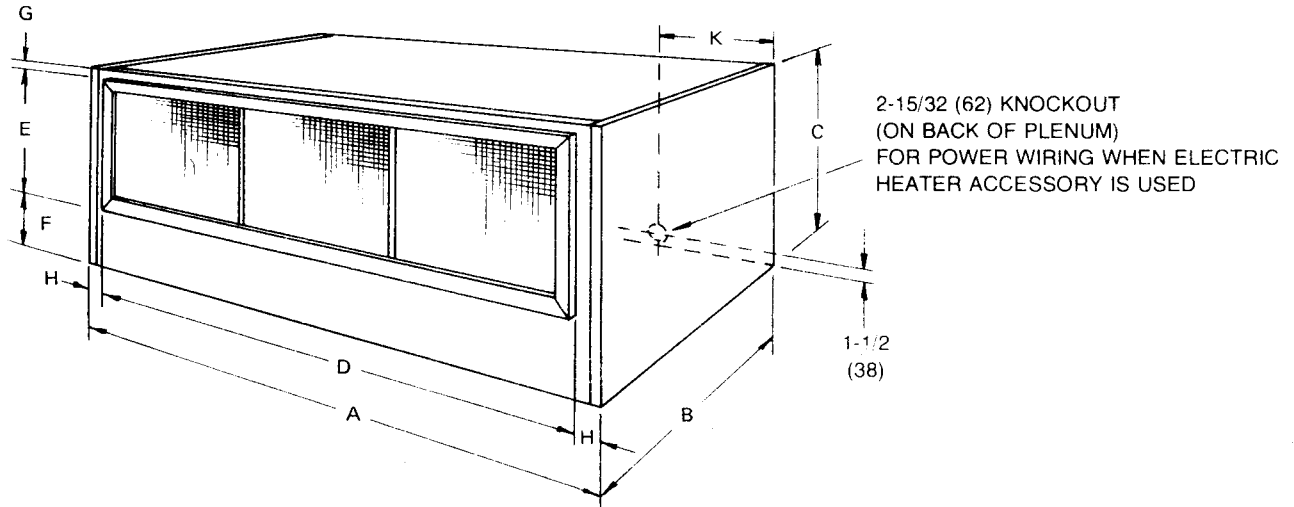
Model	Dimensions - Inches (mm)		
	A	B	C
K3EU090	52	25-1/8	20
K3EU120	(1320)	(638)	(508)
K1EU180	60-3/4	31-3/4	24
	(1543)	(806)	(610)

ELECTRIC HEATER - INCHES (mm)



Nominal kW	Available on Models	Dimensions - Inches (mm)								
		A	B	C	D	E	F	G	H	K
7.5, 12, 20 & 27	K3EU090, 120 & 180	28-1/2 (724)	25-1/4 (641)	15 (381)	1 (25)	4 (102)	1/2 (13)	5-1/2 (140)	1-1/2 (38)	1-1/2 (38)
54	K1EU180	29-7/8 (759)	26-3/8 (670)	22-1/2 (572)	2-3/8 (60)	5-1/4 (133)	3/4 (19)	6-3/8 (162)	2-1/4 (57)	2-1/2 (64)

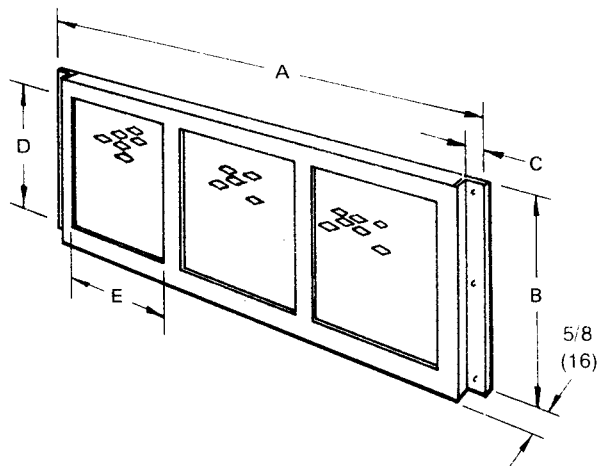
DISCHARGE PLENUM-INCHES (mm)



Model	Dimensions - Inches (mm)								
	A	B	C	D	E	F	G	H	K
K3EU090	52-1/8	28-1/4	27-1/2	49-7/8	17-7/8	8-3/4	7/8	1-1/8	15-1/4
K3EU120	(1324)	(718)	(699)	(1267)	(454)	(222)	(22)	(29)	(387)
K1EU180	60-3/4	31	27	55-3/4	19-7/8	6-1/8	1	2-1/2	19-1/2
	(1543)	(787)	(686)	(1416)	(505)	(156)	(25)	(63)	(495)

RETURN AIR GRILLE-INCHES (mm)

Model	Dimensions - Inches (mm)				
	A	B	C	D	E
K3EU090	52	25	1-3/4	22-1/2	14-1/2
K3EU120	(1320)	(635)	(44)	(571)	(368)
K1EU180	60-1/4	31	1-3/16	28-1/2	17-5/8
	(1530)	(707)	(31)	(724)	(448)



YORK CENTRAL STATION (DX) AIR HANDLING UNITS

For system compatibility, match Champion Condensing Units with YORK Central Station (Direct Expansion) AHU's

The Air Handling Units are of the highest quality double skinned (TYPE CCS) or single skinned (TYPE CCM) construction and offer a wide selection of components, materials and finishes. Components are computer selected and modules can be arranged to satisfy any plant room configuration. The flexible design satisfies air conditioning, swimming pool and industrial applications.

Quality control and testing

Each phase of construction is rigidly tested to ensure continuous high standard of manufacture. After assembly completion each unit is tested to verify the specified air volume and fan pressure performance. All electrical equipment is tested to ensure operational requirements. Operational data and included components are listed on an equipment record card. A test certificate listing fan air volume and pressure, revolutions per minute and absorbed motor power is available on request.

Unit construction: double skinned units type CCS

Unit frame:

The unit frame is manufactured from high resistance extruded aluminium alloy section which can be insulated on the inside face to create a thermal barrier. Models 015 to 260 have 40 x 40 mm vertical and horizontal sections and are joined at the corners by three way moulded nylon and fiber glass connection joints. From size 300 onwards frame sections are welded by continuous welding wire and argon inert gas technique and have dimensions of 65 x 65 mm.

Panels:

Panels are 25 mm thick and consist of special resin insulation sandwiched between a selection of: 0.8 mm thick plain galvanised steel, painted galvanised steel or epoxy resin coated galvanised steel, aluminium, aluminium alloy and stainless steel. Panel edges are enclosed in PVC moulding with integral gasket. All panels are fixed to the frame using self tapping cadmium plated carbon steel bolts. Stainless steel or nylon bolts are available on request. The top, sides and base of the unit are double skinned. All access doors are provided with stainless steel or nylon and fiberglass hinges and aluminium alloy or nylon and fiberglass handles.

Internal construction:

Structural frame for filters, coils, drift eliminators, base frame for motors and fans and the whole internal structural work are manufactured from galvanised steel sheets or sections with a minimum thickness of 2.0 mm.

Unit construction: single skinned units type CCM

Casing:

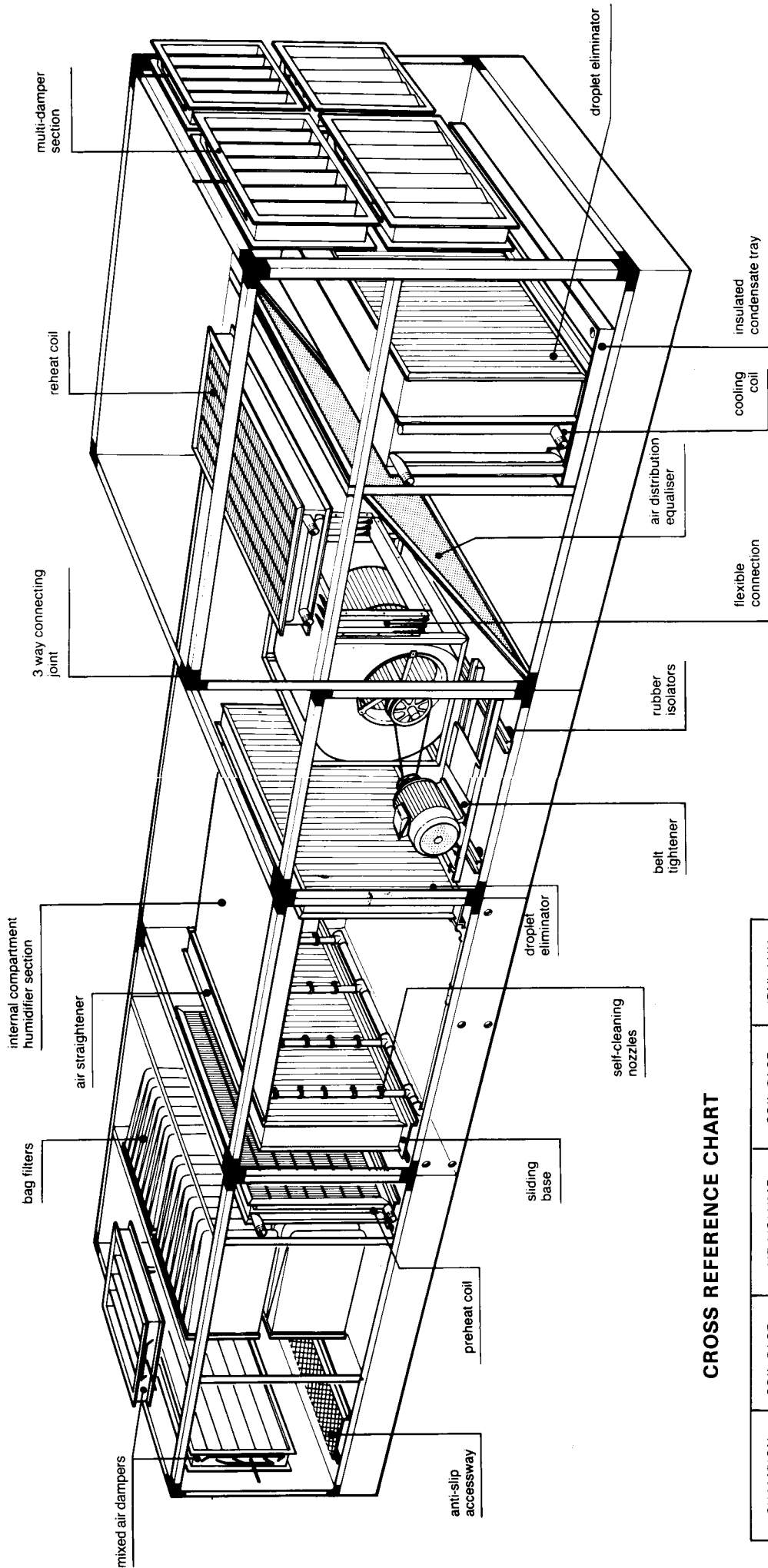
The unit casing is constructed of self supporting reinforced externally flanged galvanised steel panels having a minimum thickness of 2 mm. Flanges are bolted at 160 mm centers. Panel finish option is oven dried epoxy resin paint, particularly suitable for externally mounted units. All panels are acoustically and thermally insulated with self adhesive closed cell polyethylene self extinguishing foam. Optional non-inflammable insulation is available. All access doors are provided with stainless steel or nylon and fiberglass hinges and aluminium alloy or nylon and fiberglass handles.

Internal construction:

Structural frame for filters, coils, drift eliminators, adjustable base frame for motors and fans and the whole internal structural work are manufactured from galvanised steel sheets or sections with a minimum thickness of 2.0 mm.

Models CCS and CCM 015 to 260 are provided with 150 mm or 300 mm high supporting feet. A supporting frame is available on request.

From size 300 onwards units are supplied with a supporting frame of galvanised steel with a minimum thickness of 2 mm and 80 mm, 150 mm or 300 mm high.



CROSS REFERENCE CHART

CHAMPION EVAPORATOR MODEL	COIL FACE VELOCITY M/S (FPM) (1)	AIR VOLUME M3/H (CFM)	COIL FACE VELOCITY M/S (FPM) (2)	(DX) AHU MODEL
K3EU - 090	2.16 (428)	5610 (3300)	2.13 (422)	065
K3EU - 120	2.18 (431)	7480 (4400)	2.02 (400)	093
K1EU - 180	2.71 (532)	11220 (6600)	2.50 (490)	110
L1EU - 240	2.60 (506)	14960 (8800)	2.33 (453)	160
L1EU - 360	2.55 (500)	22100 (13000)	2.50 (490)	220
L1EU - 480	2.66 (525)	29750 (17500)	2.50 (490)	300
L1EU - 600	2.66 (525)	37400 (22000)	2.50 (490)	390

(1) Coil Face Velocity — Champion Evaporator.

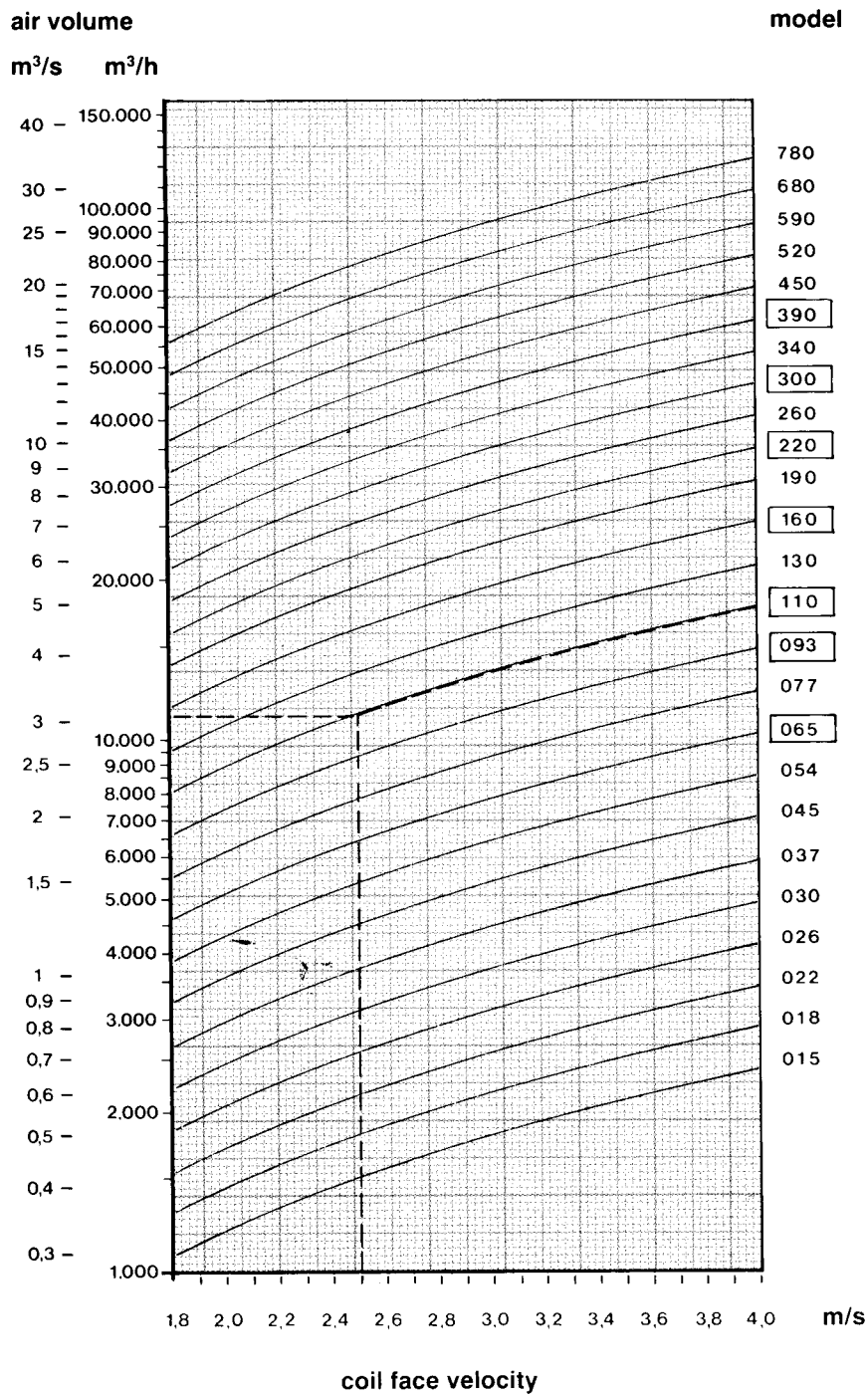
(2) Coil Face Velocity — (DX) Air Handling unit.

QUICK SELECTION OF (DX) AIR HANDLING UNITS

Step 1 Using the matched system capacity table on page 8, select the required Champion Condensing unit and the corresponding Champion Evaporator.

Step 2 Locate the Champion Evaporator model number on the cross reference chart, read across to determine the equivalent (DX) Air Handling unit model.

Air handling unit selection



MODEL SELECTION

The air handling unit models CCS and CCM are available in 25 sizes.

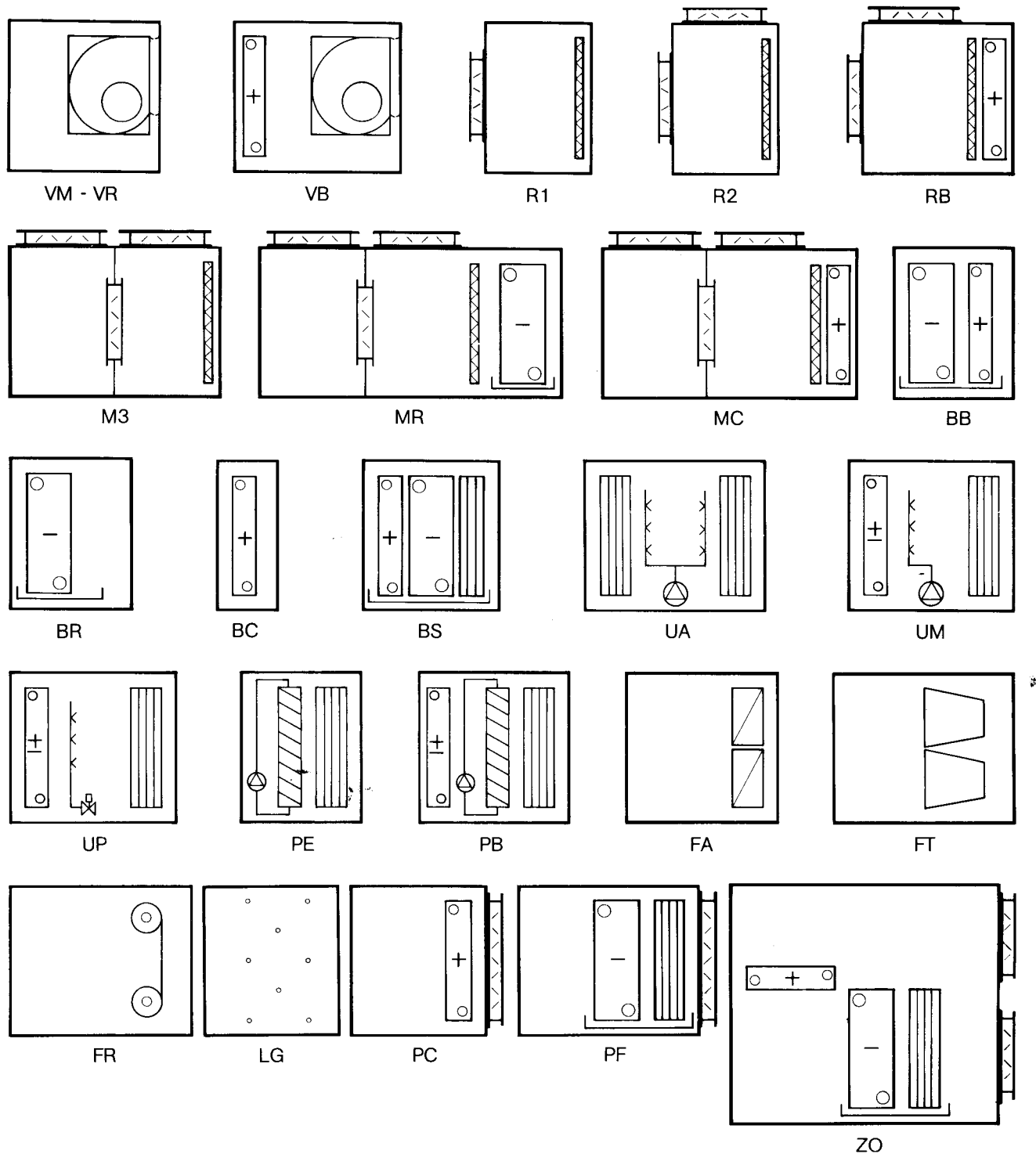
Using the model selection graph, a unit size can be determined to satisfy the required air volume and air velocity across the coil.

The graph allows the selection of the size of the unit knowing the air flow (in m³/h or m³/s) and air velocity across the coil (in m/s).

An air velocity of 2.4 to 2.8 m/s is recommended for cooling, dehumidification and adiabatic humidification applications, and 3.0 to 3.6 m/s for heating only applications.

All selection data is for estimating purposes only. Computer selections will be provided from your local YORK area sales office.

Selection of component section: basic units



SECTION DESCRIPTION OF BASIC UNIT CODE

VM	Supply air fan section
VR	Return air fan section
VB	Fan section and heating coil
R1	Intake air section with 1 damper
R2	Mixed air section with 2 dampers
RB	Mixed air section with 2 dampers and heating coil
M3	Mixed air section with 3 dampers
MR	Mixed air section with 3 dampers and cooling coil
MC	Mixed air section with 3 dampers and heating coil
BC	Section with heating coil
BR	Section with cooling coil
BB	Section with heating and cooling coil
BS	Section with heating coil, cooling coil and drift eliminator

SECTION DESCRIPTION OF BASIC UNIT CODE

UA	Section with high efficiency humidifier
UM	Section with middle efficiency humidifier
UP	Section with expendable water humidifier
PE	Section with evaporative humidifier
PB	Section with evaporative humidifier and coil
FA	Section with absolute filters
FT	Section with bag filters
FR	Section with roll filter
LG	Section with germicide lamps
PC	Section with plenum and heating coil
PF	Section with plenum and cooling coil
ZO	Multi-zone section
SI	Sound attenuator section

Section dimensions [mm] and weights [kg]

Mod.	CCS B x H	CCM B x H	V.M. V.R.	V.B.	R.1. R.2.	R.B.	M.3.	M.R.	M.C.	B.B.	B.R.	B.C.	B.S.	U.A.	U.M.	U.P.
015	850 x 530	800 x 480	640	800	480	800	960	1600	1280	640	640	320	960	1280	1120	1120
			90	100	50	100	100	140	100	140	120	60	200	140	130	100
018	850 x 530	800 x 480	640	800	480	800	960	1600	1280	640	640	320	960	1280	1120	1120
			90	110	60	120	120	150	110	160	130	70	230	150	140	110
022	1010 x 690	960 x 640	640	800	480	800	960	1600	1280	640	640	320	960	1280	1120	1120
			100	120	60	130	120	190	120	180	160	80	260	160	150	120
026	1010 x 690	960 x 640	800	960	480	800	960	1600	1280	640	640	320	960	1280	1120	1120
			110	140	60	160	120	200	130	190	160	80	270	170	160	130
030	1010 x 690	960 x 640	800	960	480	800	960	1600	1280	640	640	320	960	1280	1120	1120
			120	150	70	160	140	220	130	190	170	90	280	180	170	140
037	1170 x 850	1120 x 800	800	960	480	800	960	1600	1280	640	640	320	960	1280	1120	1120
			140	180	80	200	160	280	170	230	190	90	330	200	190	160
045	1170 x 850	1120 x 800	800	960	480	800	960	1600	1280	640	640	320	960	1440	1280	1280
			150	200	80	220	160	300	180	260	210	100	360	210	200	170
054	1330 x 850	1280 x 800	960	1120	640	960	1280	1920	1600	640	640	320	960	1440	1280	1280
			180	240	90	260	180	360	210	300	250	140	420	250	230	200
065	1330 x 850	1280 x 800	960	1120	640	960	1280	1920	1600	640	640	320	960	1440	1280	1280
			180	260	90	300	180	390	230	340	270	140	470	280	260	230
077	1330 x 1010	1280 x 960	960	1120	800	1120	1600	2240	1920	640	640	320	960	1440	1280	1280
			220	300	90	330	180	480	270	400	340	150	570	330	300	270
093	1490 x 1170	1440 x 1120	960	1280	800	1120	1600	2240	1920	640	640	320	960	1440	1280	1280
			270	370	110	430	220	580	340	490	400	190	690	420	400	370
110	1490 x 1170	1440 x 1120	1120	1280	800	1120	1600	2240	1920	640	640	320	960	1440	1280	1280
			330	390	110	470	220	640	360	560	460	210	790	460	420	390
130	1810 x 1170	1760 x 1120	1120	1440	800	1120	1600	2240	1920	640	640	320	960	1440	1280	1280
			390	530	140	560	280	730	410	670	560	250	950	520	490	460
160	1810 x 1330	1760 x 1280	1120	1440	960	1280	1920	2560	2240	640	640	320	960	1440	1280	1280
			400	590	170	660	340	890	490	780	650	290	1100	610	590	570
190	1970 x 1490	1920 x 1440	1280	1600	960	1280	1920	2560	2240	640	640	320	960	1600	1440	1440
			530	710	180	780	360	1030	550	900	760	330	1280	700	680	650
220	2130 x 1490	2080 x 1440	1440	1760	1120	1440	2240	2880	2560	640	640	320	960	1600	1440	1440
			600	820	210	900	420	1210	650	1050	880	390	1500	800	790	750
260	2290 x 1650	2240 x 1600	1600	1920	1120	1440	2240	2880	2560	640	640	320	960	1600	1440	1440
			720	1090	220	1130	440	1360	730	1190	1000	440	1600	900	890	840
300	2290 x 1970	2240 x 1920	1600	1920	1280	1600	2560	3200	2560	640	640	320	960	1600	1440	1440
			780	1150	250	1160	500	1550	790	1350	1150	500	1930	1000	980	960
340	2610 x 1970	2560 x 1920	1600	1920	1280	1600	2560	3200	2560	640	640	320	960	1600	1440	1440
			870	1290	280	1300	560	1730	870	1500	1270	540	2140	1120	1090	1020
390	2610 x 2130	2560 x 2080	1600	1920	1280	1600	2560	3200	2560	640	640	320	960	1600	1440	1440
			890	1390	300	1470	600	1930	960	1700	1450	670	2430	1250	1230	1200
450	2930 x 2130	2880 x 2080	1600	2080	1440	1760	2880	3520	3200	640	640	320	960	1600	1440	1440
			970	1550	340	1690	680	2220	1190	1960	1660	710	2790	1450	1420	1380
520	3250 x 2130	3200 x 2080	1760	2240	1440	1760	2880	3520	3200	640	640	320	960	1600	1440	1440
			1190	1780	370	1920	740	2480	1300	2250	1910	820	3200	1650	1610	1570
590	3730 x 2130	3680 x 2080	1760	2240	1440	1760	2880	3520	3200	640	640	320	960	1600	1440	1440
			1230	1950	430	2230	860	2800	1360	2580	2160	950	3660	1750	1700	1620
680	4210 x 2130	4160 x 2080	1920	2400	1440	1760	2880	3520	3200	640	640	320	960	1600	1440	1440
			1360	2270	470	2510	940	3190	1620	2900	2470	1040	4140	2100	2000	1910
780	4850 x 2130	4800 x 2080	1920	2400	1440	1760	2880	3520	3200	640	640	320	960	1600	1440	1440
			1480	2500	520	2840	1040	3600	1820	3300	2820	1180	4710	2400	2380	2290

(1) Dimensions b x h are width and height of external sections of basic units in mm.

(2) The numbers in black colour are lengths of basic units in mm. The numbers in blue colour are approximate weights of basic units in kg.

P.E.	P.B.	F.A.	F.T.	F.R.	P.C.	P.F.	L.G.	Z.O.	S.I. 750	S.I. 1000	S.I. 1500
640	1120	1120	1440	NA	640	1120	640	1280	1280	1600	2080
120	170	70	70	NA	100	130	60	300	50	65	85
640	1120	1120	1440	NA	640	1120	640	1280	1280	1600	2080
130	190	80	70	NA	100	130	60	350	50	65	85
640	1120	1120	1440	NA	640	1120	640	1280	1280	1600	2080
160	230	90	90	NA	120	150	60	380	70	95	130
640	1120	1120	1440	NA	640	1120	640	1280	1280	1600	2080
160	240	90	90	NA	120	150	70	390	70	95	130
640	1120	1120	1440	NA	640	1120	640	1440	1280	1600	2080
170	260	90	90	NA	120	150	70	420	70	95	130
640	1120	1120	1440	1440	800	1280	800	1440	1280	1600	2080
190	350	120	110	230	120	150	90	490	85	120	165
640	1120	1120	1440	1440	800	1280	800	1440	1280	1600	2080
210	380	120	110	230	130	180	90	520	100	135	190
640	1120	1120	1440	1440	800	1280	800	1600	1280	1600	2080
250	430	130	120	240	170	210	110	600	120	140	200
640	1120	1120	1440	1440	800	1280	800	1600	1280	1600	2080
270	490	130	120	240	170	210	120	650	120	140	200
640	1120	1120	1440	1440	800	1280	800	1760	1280	1600	2080
340	590	150	140	260	180	320	130	750	125	130	225
640	1120	1120	1440	1440	960	1440	960	1760	1280	1600	2080
400	700	170	160	280	220	390	200	910	160	170	245
640	1120	1120	1440	1440	960	1440	960	2080	1280	1600	2080
460	810	170	160	280	240	450	200	1010	180	185	270
640	1120	1120	1440	1440	960	1440	960	2080	1280	1600	2080
560	970	200	180	300	280	540	230	1230	185	195	280
640	1120	1120	1440	1440	960	1440	960	2400	1280	1600	2080
650	1130	220	200	320	320	610	230	1440	190	210	265
640	1120	1120	1440	1440	960	1440	960	2400	1280	1600	2080
760	1320	260	230	350	360	700	230	1640	200	245	335
640	1120	1120	1440	1440	1120	1600	1120	2400	1280	1600	2080
880	1530	280	260	380	420	820	380	1920	210	250	335
640	1120	1120	1440	1440	1120	1600	1120	2720	1280	1600	2080
1000	1750	310	290	410	470	930	380	2040	220	265	360
640	1120	1120	1440	1440	1120	1600	1120	2720	1280	1600	2080
1150	1970	350	320	440	530	1040	410	2430	230	295	415
640	1120	1120	1440	1440	1120	1600	1120	2720	1280	1600	2080
1270	2210	380	370	490	570	1110	410	2700	250	320	445
640	1120	1120	1440	1440	1120	1600	1120	3040	1600	1920	2400
1450	2510	420	400	520	700	1380	410	3030	270	385	525
640	1120	1120	1440	1440	1280	1760	1280	3040	1600	1920	2400
1660	2880	470	450	570	740	1460	700	3470	290	400	550
640	1120	1120	1440	1440	1280	1760	1280	3040	1600	1920	2400
1910	3300	510	490	610	850	1690	720	3940	320	425	590
640	1120	1120	1440	1440	1280	1760	1280	3040	1600	1920	2400
2160	3500	580	560	680	980	1950	740	4520	340	460	640
640	1120	1120	1440	1440	1280	1760	1280	3040	1600	1920	2400
2470	3720	640	610	730	1070	2100	800	5080	390	505	690
640	1120	1120	1440	1440	1280	1760	1280	3040	1600	1920	2400
2820	3910	750	700	820	1210	2390	960	5750	450	560	730

(3) Dimensions b x h are not valid for absolute filter sections FA. These are dependent on the type of filter installed.

(4) Dimension h is not valid for multi-zone section ZO. This will be specified at time of quotation.

Data and dimensions are approximate only. YORK reserves the right to make changes without prior notice.

Form No YD 585 AC 688

YORK

INTERNATIONAL

YORK Sales & Service
Unit Q4, 72 Buckingham Ave,
Slough, Berkshire, SL1 4PN
Telephone (0753) 693919 Telex 99105 YRKBAS



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