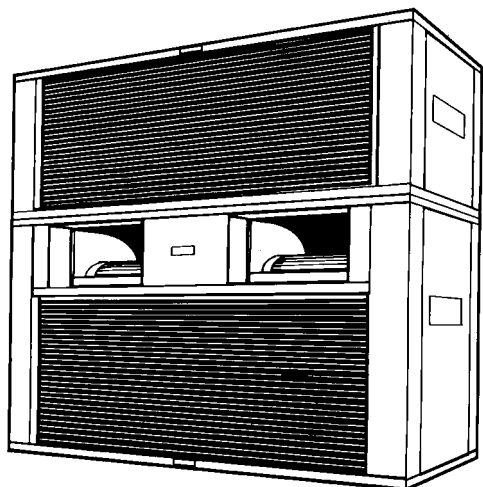




## Heating and Air Conditioning **TECHNICAL GUIDE**

### **SINGLE PACKAGE AIR COOLED AIR CONDITIONERS**

D3SK036 THRU D3SK300  
3 THRU 25 NOMINAL TONS



**EMBASSY SERIES**

### **DESCRIPTION**

YORK's self-contained air conditioning packages offer a complete line of unit options for indoor, through-the-wall installation for high rise and single story building applications.

YORK's compact, indoor design protects from potential vandalism, weathering and eliminates the need for any unsightly exterior equipment. Floor-by-floor installation provides independent zone and temperature control. Renovation and restoration projects are simplified where roof load, cooling tower, and construction restrictions can present application problems.

The air cooled DSK series units are available from 3 to 25 tons. YORK's DSK Air Cooled Indoor Vertical air conditioning design features high efficiency, quality engineering and dependable operation.

### **STANDARD FEATURES**

- Ideal for tenant change/renovation
- Protected from extreme weather conditions and vandalism
- Convenient access to all parts and service needs, while running in place
- Allows independent metering/temperature control
- Convenient compact size fits through standard openings (33")
- Filter drier, sight glass and TX Valve
- Sub-cooling built into draw through condensing coil
- 18 gauge galvalume evaporator and condensing cabinets
- Convertible horizontal or vertical evaporator discharge
- Static capability to suit various installation requirements using centrifugal blowers and adjustable pulleys
- Available in 3, 4, 5, 8, 10, 12, 15, 20 and 25 ton capacities
- 5 Year compressor warranty
- 1 Year limited warranty on all other parts



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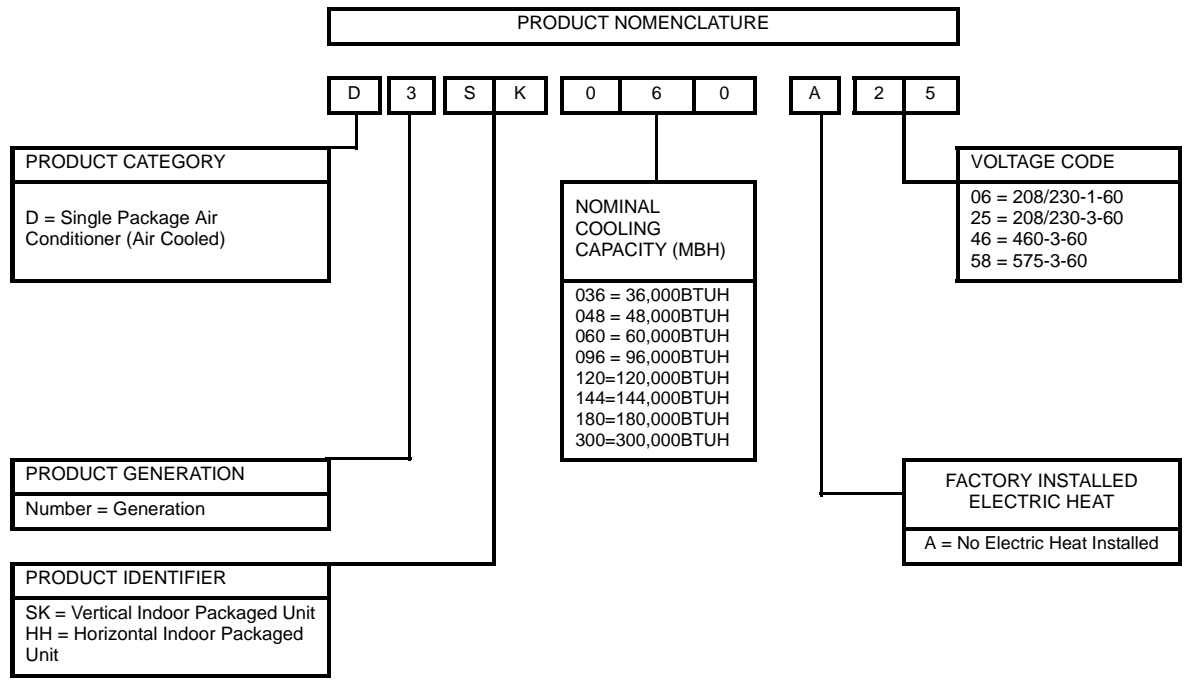
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## MECHANICAL SPECIFICATIONS

**GENERAL** - All models 3 -15 tons ship as factory-charged unitized packages. The 20 - 25 ton models shall be shipped as separate evaporator and condensing unit modules (nitrogen holding charge only). All units may be field split and installed as separate modules to suit on-site requirements. All packages are designed for free-standing mounting on the floor, to on a field fabricated structural steel stand. The standing mounting on the floor, or on a field fabricated structural steel stand. The 5, 8, and 10 ton models are shipped with vertical evaporator fan discharge as standard. The 15, 20 and 25 ton models are shipped horizontal discharge as standard.

**CABINET** - All cabinets are completely constructed of 18 Ga. corrosion resistant "Galvalume" coated steel. The entire unit interior (both evaporator and condensing section) is insulated with 1/2" thick, 2 lb. density insulation. Service panels are equipped with lifting handles for ease of removal and handling. Duct flanges for condenser discharge, condenser intake, and evaporator discharge are provided with the unit for field installation. Duct flange on evaporator return is incorporated into the filter frame.

**COMPRESSOR** - All models utilize "Scroll" type hermetic compressors. Compressors are mounted on rubber isolators to minimize vibration transmission. Internal overload protection is provided. External high pressure and low pressure cutout switches are included in each compressor control circuit. Crankcase heaters are standard on all models.

**REFRIGERANT CIRCUITS** - The 3 - 5 ton units have a single refrigeration circuit. The 8-25 ton units feature two independent refrigeration circuits. Each refrigeration circuit includes an

adjustable thermal expansion valve (with external equalizer), liquid line filter drier, sight glass/moisture indicator, and service gauge ports.

**EVAPORATOR AND CONDENSER COILS** - The evaporator and condenser coils are constructed of internally enhanced copper tubes mechanically bonded to rippled aluminum plate fins. Both coils are employed in a draw-through configuration. Large evaporator coil face area minimizes potential water blow-off.

**INDOOR/OUTDOOR FANS** - Forward curved, double inlet and double width centrifugal blowers are used for both evaporator and condenser air movement. Blower wheels are fabricated of galvanized steel blowers employ solid steel shafts, supported in permanently lubricated ball bearing. All blowers are belt driven. Variable-pitch motor sheaves allow for field adjustment of blower rpm.

**ELECTRICAL CONTROLS** - All units are completely factory wired with all necessary controls. Manual reset protection is provided on both evaporator and condenser motors. A manual reset circuit is also provided on each compressor control circuit in the event of high/low pressure cutout. A 24 volt control circuit, with oversized transformer, is provided for field connection.

**FILTERS** - All models are shipped with 2 inch thick medium-efficiency throw-away filters factory installed. Filter rack is external to the cabinet (shipped loose)

### FACTORY INSTALLED ACCESSORIES

**OVERSIZED EVAPORATOR FAN MOTORS** - Increased horsepower motors and drive components are available for

those applications where external static pressure requirements exceed the capability of the standard motor.

**CORROSION RESISTANT COATINGS** - Condenser and/or evaporator coils shall have a 2 to 3 mil coating of Heresite P-413 protective coating applied in a multiple dip and bake process.

**STAINLESS STEEL DRAIN PAN** - Evaporator drain pan shall be fabricated of 304 stainless steel material. The 3/4 in. NPT drain connection fitting is also of 304 stainless steel.

**HOT GAS BYPASS** - Adjustable hot gas regulator and all necessary piping shall be installed on lead compressor circuit. Bypass capacity shall be minimum 50% of compressor capacity. The bypass valve opens at a preset suction pressure to prevent coil freeze-up at light evaporator load, or low airflow conditions. The use of the field installed Low Ambient Control is strongly recommended when hot gas bypass is installed.

## FIELD INSTALLED ACCESSORIES

**LOW AMBIENT CONTROL** - Head pressure control damper kit will allow unit operation down to 0°F ambient. Damper assembly fits over condenser air intake. The kit includes damper actuator, and low pressure switch bypass timer(s).

**HOT WATER AND STEAM COILS** - Hydronic heating coils shall mount on return air inlet of evaporator section of unit. The unit filter rack shall mount to the entering air side of the heating coil.

**DISCHARGE PLENUM** - Plenums shall mount on top of the evaporator section, with fans arranged for vertical discharge. Double deflection grilles shall allow air discharge in multiple directions.

**TABLE 1: GENERAL DATA**

MODEL D*SK	036	048	060	096	120	144	180	240	300
NOMINAL COOLING (TON)	3	4	5	8	10	12	15	20	25
COOLING PERFORMANCE*									
GROSS COOLING CAPACITY (BTUH)	39000	49000	60000	95000	122000	150000	186000	244000	304000
DESIGN CFM	1200	1600	2000	3200	4000	4800	6000	8000	10000
NET COOLING CAPACITY†	38200	48000	58000	92000	117000	144000	178000	236000	286000
NET COOLING CFM	1200	1400	2000	3200	3600	4800	5500	6800	8800
SEER / EER‡	13.40	12.80	11.20	11.55	10.60	10.65	9.80	10.10	9.60
COMPRESSOR - QTY / TYPE	1/SCROLL	1/SCROLL	1/SCROLL	2/SCROLL	2/SCROLL	2/SCROLL	2/SCROLL	2/SCROLL	3/SCROLL
CAPACITY STEPS (%)	100/0	100/0	100/0	100/50/0	100/50/0	100/50/0	100/50/0	100/50/0	100/66/33/0
EVAPORATOR COIL-TYPE	ENHANCED COPPER TUBES, ENHANCED ALUMINUM FINNS								
FACE AREA (SQ FT)	5.19	5.19	5.19	8.67	8.67	13.03	13.03	19.00	19.79
ROWS/FPI	2/16	3/14	3/14	3/10	4/10	3/10	4/10	4/10	4/10
REFRIGERANT CONTROL	TX VALVE								
CONDENSER COIL-TYPE	ENHANCED COPPER TUBES, ENHANCED ALUMINUM FINNS								
FACE AREA (SQ FT)	7.08	7.08	7.08	12.28	12.28	15.82	15.82	20.55	24.13
ROWS/FPI	4/16	4/16	4/16	4/14	4/14	4/14	4/14	4/14	4/14
EVAPORATOR FAN-TYPE	CENTRIFUGAL, FORWARD CURVED								
QTY. - DIAMETER x WIDTH (in)	1 - 10x8	1 - 10x10	1 - 10x10	1 - 12x15	1 - 12x15	2 - 12x9	2 - 15x9	2 - 15x15	2 - 15x15
DRIVE	ADJUSTABLE BELT								
MOTOR HP (STANDARD/OVERSIZED)	0.33/.5	0.5/0.75	0.75/1	1.5/2	2/3	2/3	5/NA	5/7.5	7.5/10
CONDENSER FAN-TYPE	CENTRIFUGAL, FORWARD CURVED								
QTY. - DIAMETER x WIDTH (in)	1 - 12x15	1 - 12x15	1 - 12x15	2 - 12x11	2 - 12x11	2 - 15x15	2 - 15x15	2 - 18x13	2 - 18x13
DRIVE	ADJUSTABLE BELT								
MOTOR HP (STANDARD)	1	1	1.5	2	3	3	5	7.5	7.5
FILTERS - QUANTITY/SIZE (in)	2-18x24x2	2-18x24x2	2-18x24x2	4-14x25x2	4-14x25x2	2-14x20x2 4-14x25x2	2-14x20x2 4-14x25x2	6-20x25x2	8-20x20x2
CONDENSATE CONNECTION	3/4 NPT								
WEIGHT - OPERATING	600	620	665	1005	1065	1335	1465	1720	1995
- SHIPPING	645	665	710	1060	1110	1395	1525	1805	2080

\*. Cooling performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb and CFM listed. Gross capacity does not include the effect of fan motor heat.

†. Units 2 through 5 tons rated in accordance with ARI Standard 210/240.

‡. SEER rating relates to product 65,000 btuh and below. EER applies to product 65,000 btuh and above.

**TABLE 2: COOLING PERFORMANCE DSK036 - 3 TON**

DSK036 3 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
1000	75°F	36.0	25.6	38.6	20.5	43.0	15.9	34.6	25.0	37.8	20.2	41.4	15.3	33.4	24.5	36.3	19.6	39.8	14.8	31.9	23.8	34.9	19.0	38.0	14.2
	80°F	36.0	30.1	38.6	25.0	43.0	20.4	34.6	29.5	37.8	24.7	41.4	19.8	33.4	29.0	36.3	24.1	39.8	19.3	31.9	23.3	34.9	23.5	38.0	18.7
	85°F	36.0	36.0	38.6	29.5	43.0	24.9	34.7	34.7	37.8	29.2	41.4	24.4	33.6	33.6	36.3	28.6	39.8	23.8	32.5	32.5	34.9	28.0	38.0	23.2
1200	75°F	37.1	27.7	40.2	22.1	44.2	16.4	35.8	27.1	38.6	21.5	42.4	15.8	34.2	26.5	37.2	20.9	41.0	15.4	33.0	26.0	35.6	20.4	39.2	14.7
	80°F	37.1	33.0	40.2	27.4	44.2	21.7	35.8	32.4	38.6	26.7	42.4	21.1	34.2	34.2	37.2	26.2	41.0	20.6	33.0	31.2	35.6	25.7	39.2	20.0
	85°F	37.9	37.9	40.2	32.7	44.2	27.0	36.8	36.8	38.6	32.0	42.2	42.4	35.5	35.5	37.2	31.5	41.0	25.9	34.2	34.2	35.6	30.9	39.2	25.3
1400	75°F	38.1	29.7	41.4	23.3	45.2	16.9	36.6	29.1	39.8	22.7	43.4	16.4	34.9	28.4	38.1	22.1	41.4	15.7	33.5	27.9	36.3	21.5	39.6	15.1
	80°F	38.1	35.7	41.4	29.3	45.2	22.9	36.6	36.6	39.8	28.7	43.4	22.4	35.2	35.2	38.1	28.1	41.4	21.7	34.0	34.0	36.3	27.4	39.6	21.1
	85°F	39.5	39.5	41.4	35.3	45.2	28.9	38.5	38.5	39.8	34.7	43.4	28.4	37.1	37.1	38.1	34.1	41.4	27.7	35.9	35.9	36.3	33.4	39.6	27.1

**TABLE 3: COOLING PERFORMANCE DSK048 - 4 TON**

DSK048 4 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
1450	75°F	45.8	36.5	49.3	29.0	53.6	21.5	44.2	35.8	47.7	28.3	51.8	20.8	42.3	35.0	45.9	27.5	49.8	20.5	40.3	34.1	43.9	26.8	47.7	19.7
	80°F	46.6	44.0	49.9	36.2	54.3	28.9	44.5	42.9	48.1	35.5	52.4	28.2	43.0	42.2	46.2	34.8	50.4	27.5	41.6	41.6	44.1	33.9	48.2	26.7
	85°F	48.8	48.8	50.4	43.8	54.7	36.1	47.3	47.3	48.5	43.0	52.8	35.4	45.8	45.8	46.5	42.2	50.7	34.7	44.1	44.1	44.3	41.2	48.5	33.9
1600	75°F	46.5	38.1	50.1	30.0	54.4	22.4	44.7	37.4	48.4	29.3	52.5	21.7	42.8	36.5	46.5	28.6	50.4	20.9	41.4	36.1	44.4	27.8	48.2	20.1
	80°F	47.5	46.3	50.6	37.9	55.0	29.9	45.7	45.3	48.7	37.1	53.1	29.2	44.5	44.5	46.7	36.3	51.0	28.4	42.7	42.7	44.5	35.5	48.7	27.6
	85°F	50.2	50.2	51.0	46.0	55.5	37.7	48.7	48.7	49.0	45.1	53.4	37.0	47.0	47.0	46.9	44.1	51.3	36.3	45.2	45.2	45.1	43.6	49.1	35.5
1800	75°F	47.1	40.2	50.9	31.3	55.2	22.9	45.3	39.4	49.2	30.6	53.3	22.2	44.1	39.0	47.2	29.8	51.1	21.4	42.0	38.1	45.1	29.0	48.8	20.6
	80°F	49.0	49.0	51.3	39.9	55.8	31.1	47.5	47.5	49.3	39.2	53.8	30.4	45.7	45.7	47.4	38.3	51.5	29.7	43.9	43.9	44.9	37.5	49.1	28.8
	85°F	51.7	51.7	51.5	48.5	55.9	39.6	50.1	50.1	49.8	48.1	53.9	38.9	48.3	48.3	47.8	47.0	51.7	38.2	46.4	46.4	46.4	46.4	49.3	37.3

**TABLE 4: COOLING PERFORMANCE DSK060 - 5 TON**

DSK060 5 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
1800	75°F	56.2	44.1	60.1	35.0	65.3	26.2	54.3	43.3	58.1	34.2	63.2	25.9	52.2	42.3	56.0	33.3	61.0	25.1	49.8	41.3	53.8	32.4	58.6	24.2
	80°F	57.7	53.4	61.1	43.8	66.3	35.0	55.2	52.2	59.0	42.9	64.1	34.1	52.5	50.9	56.8	42.0	61.8	33.3	50.6	49.9	54.4	41.1	59.4	32.4
	85°F	60.0	60.0	62.1	52.8	66.8	43.5	58.2	58.2	59.5	51.7	64.5	42.7	56.3	56.3	57.8	51.3	62.1	41.8	54.3	54.3	55.0	50.0	59.6	40.9
2000	75°F	57.5	46.3	61.1	36.2	66.4	27.3	55.3	45.3	59.0	35.4	64.1	26.4	52.9	44.3	56.9	34.6	61.8	25.6	50.3	43.2	54.6	33.7	59.4	24.6
	80°F	58.1	55.7	62.1	45.8	67.3	36.2	56.3	55.0	59.9	44.9	65.0	35.4	54.0	53.7	57.6	44.0	62.7	34.5	53.0	53.0	55.1	43.0	60.1	33.6
	85°F	61.8	61.8	63.8	56.1	67.8	45.5	59.9	59.9	61.2	55.0	65.4	44.6	57.9	57.9	58.3	53.7	62.8	43.7	55.8	55.8	55.3	52.4	60.3	42.9
2200	75°F	58.2	48.1	61.9	37.4	67.3	27.7	55.9	47.2	59.9	36.6	64.9	26.9	53.4	46.1	57.6	35.7	62.5	26.0	51.5	45.6	55.3	34.8	60.0	25.1
	80°F	59.2	58.3	63.0	47.7	68.2	37.3	58.6	58.6	60.7	46.8	65.8	36.5	56.4	56.4	58.2	45.9	63.4	35.6	54.1	54.1	55.6	44.9	60.8	34.7
	85°F	63.3	63.3	64.4	58.5	68.6	47.3	61.3	61.3	61.6	57.3	66.1	46.4	59.2	59.2	58.4	55.9	63.5	45.6	57.0	57.0	56.4	55.2	61.0	44.7

**TABLE 5: COOLING PERFORMANCE DSK096 - 8 TON**

DSK096 8 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
3000	75°F	90.0	72.0	97.5	57.3	106.7	43.8	86.8	70.6	94.1	55.9	102.5	42.2	83.3	69.1	90.3	54.3	97.9	40.5	79.4	67.4	86.2	52.7	92.7	38.5
	80°F	91.3	86.7	98.2	71.6	107.6	57.8	88.4	85.8	94.7	70.2	103.4	56.2	84.6	83.4	90.9	68.7	98.6	54.5	82.6	82.6	86.7	67.0	93.4	52.6
	85°F	96.6	96.6	99.1	86.8	108.2	72.4	93.7	93.7	95.6	85.2	103.7	70.9	90.7	90.7	91.8	83.6	98.9	69.1	87.3	87.3	87.7	81.8	93.5	67.3
3200	75°F	91.1	74.1	98.3	58.5	107.1	44.1	87.7	72.6	94.8	57.0	102.8	42.5	83.9	71.0	91.0	55.5	98.0	40.8	79.7	69.2	86.7	53.8	92.7	38.8
	80°F	92.7	90.0	99.0	73.5	108.2	58.8	89.1	87.8	95.5	72.1	103.6	57.3	87.5	87.5	91.5	70.6	98.7	55.5	84.0	84.0	87.2	69.0	93.3	53.6
	85°F	98.3	98.3	100.1	89.4	108.6	74.3	95.3	95.3	96.5	87.9	104.0	72.7	92.1	92.1	92.5	86.2	99.1	71.0	88.7	88.7	88.1	84.3	93.5	69.1
3400	75°F	91.8	76.0	99.0	59.6	107.5	44.4	88.2	74.5	95.4	58.2	103.0	42.7	84.3	72.9	91.5	56.6	98.2	41.0	81.4	72.1	87.2	54.9	92.7	39.0
	80°F	93.4	92.0	99.7	75.4	108.4	59.8	92.3	92.3	96.1	74.0	103.8	58.2	88.9	88.9	92.2	92.2	98.7	56.4	85.2	85.2	87.6	70.8	93.1	54.5
	85°F	99.8	99.8	100.9	92.0	108.8	76.0	96.8	96.8	97.2	90.4	104.1	74.5	93.5	93.5	93.0	88.6	99.0	72.7	89.9	89.9	90.3	87.8	93.2	62.6

**TABLE 6: COOLING PERFORMANCE DSK120 - 10 TON**

DSK120 10 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
3600	75°F	115.4	91.5	124.8	73.0	134.5	53.8	111.0	89.6	120.2	71.1	129.8	52.2	106.3	87.5	115.2	69.1	124.9	50.5	101.1	85.2	109.9	66.9	119.8	49.6
	80°F	116.6	109.7	125.8	90.9	136.1	72.4	112.6	107.8	120.9	89.0	131.3	70.6	107.2	105.0	115.9	87.0	126.2	68.7	103.4	103.0	110.5	84.8	121.0	66.8
	85°F	122.5	122.5	126.8	109.4	136.8	90.2	118.8	118.8	121.9	107.4	131.8	88.4	114.8	114.8	116.8	105.3	126.6	86.5	110.6	110.6	111.4	103.1	121.3	84.6
4000	75°F	117.2	95.9	126.7	75.7	136.5	56.3	112.5	93.8	121.6	73.6	131.7	54.4	108.6	92.4	116.5	71.6	126.5	52.5	103.5	90.1	111.0	69.4	121.3	50.6
	80°F	118.8	115.5	127.4	95.2	138.2	75.1	114.7	113.4	122.5	93.2	133.2	73.3	111.8	111.8	117.2	91.2	128.0	71.4	107.4	107.4	111.6	89.0	122.5	69.5
	85°F	126.2	126.2	128.6	115.3	138.8	94.5	122.3	122.3	123.4	113.1	133.5	92.6	118.0	118.0	119.5	111.8	128.1	90.7	113.6	113.6	114.4	109.4	122.6	88.8
4400	75°F	118.4	100.0	127.9	78.1	138.3	57.3	114.9	98.7	122.9	76.1	133.3	55.5	109.9	96.5	117.4	71.7	128.0	53.5	104.6	94.1	111.7	71.7	122.6	51.6
	80°F	121.7	121.1	128.8	99.3	140.0	77.6	119.1	119.1	123.5	97.2	134.7	75.7	114.5	114.5	118.1	95.2	129.0	73.9	109.8	109.8	112.2	93.0	123.3	71.9
	85°F	129.4	129.4	129.9	120.7	140.2	98.6	125.1	125.1	126.4	119.5	134.8	96.7	120.7	120.7	121.4	117.1	129.4	94.8	116.1	116.1	117.5	115.5	123.9	92.8

**TABLE 7: COOLING PERFORMANCE DSK144 - 12 TON**

DSK144 12 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
4300	75°F	140.0	108.7	151.6	87.4	167.1	66.6	135.4	106.7	146.6	85.3	160.8	64.5	130.2	104.3	141.1	83.0	153.9	63.2	124.4	101.8	134.7	80.4	146.1	60.3
	80°F	145.8	132.3	152.8	108.0	168.5	88.6	139.8	129.4	147.1	106.0	162.2	86.2	133.3	126.2	142.1	103.7	155.2	83.5	127.4	123.9	135.6	101.1	147.2	80.6
	85°F	148.1	148.1	153.1	128.8	169.4	109.7	143.9	143.9	147.7	126.6	163.0	107.3	139.4	139.4	143.2	125.6	155.8	104.8	134.3	134.3	136.8	122.8	147.6	101.8
4800	75°F	143.1	114.2	154.1	90.5	168.7	69.2	138.1	112.0	148.9	88.4	162.3	66.8	132.4	109.5	143.1	86.0	154.9	64.1	125.9	106.7	136.3	83.3	146.7	61.0
	80°F	144.8	137.4	155.0	113.0	170.4	91.5	138.6	134.4	150.0	111.0	163.7	89.0	134.4	132.3	144.0	108.7	156.1	86.2	130.9	130.9	137.2	106.0	147.7	83.2
	85°F	152.8	152.8	156.8	137.3	171.2	114.5	148.4	148.4	151.5	134.9	164.3	112.1	143.6	143.6	145.5	132.3	156.7	109.4	138.1	138.1	138.7	129.4	147.9	106.4
5300	75°F	145.1	119.0	156.2	93.4	170.0	70.1	139.7	116.7	150.6	91.2	163.3	67.7	133.7	114.1	144.5	88.8	155.4	64.8	126.8	111.3	137.6	86.1	146.8	61.6
	80°F	147.8	144.5	157.3	117.9	171.4	94.0	142.5	141.4	151.6	115.7	164.4	91.5	140.1	140.1	145.5	113.4	156.6	88.7	134.1	134.1	138.4	110.7	147.6	85.6
	85°F	156.8	156.8	159.0	143.7	172.1	119.1	152.2	152.2	153.4	141.2	164.9	116.6	147.0	147.0	146.9	138.5	157.0	113.9	141.2	141.2	142.1	137.2	147.8	110.8

**TABLE 8: COOLING PERFORMANCE DSK180 - 15 TON**

DSK180 15 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
5400	75°F	175.4	138.5	189.7	110.0	207.4	82.9	168.8	135.5	182.8	107.8	200.6	81.8	161.6	132.3	175.0	104.6	189.4	78.3	153.0	128.5	166.3	101.0	178.7	74.3
	80°F	177.1	165.8	191.0	137.5	209.1	111.5	171.2	163.1	184.0	134.7	201.4	108.4	162.9	158.9	176.1	131.5	190.9	104.8	156.5	155.5	167.3	128.0	180.0	100.8
	85°F	185.6	185.6	192.5	165.4	210.0	139.1	180.0	180.0	185.6	162.4	202.6	135.9	173.9	177.6	159.0	191.4	132.3	166.9	166.9	168.7	155.4	180.4	128.3	
6000	75°F	178.1	145.0	192.4	114.6	209.1	86.2	171.2	142.0	185.1	111.6	200.0	82.9	163.3	138.6	177.2	108.4	190.0	79.2	156.7	136.0	167.9	104.7	178.7	75.1
	80°F	180.6	174.7	193.7	144.0	210.6	115.1	174.3	171.8	186.3	141.1	201.5	111.8	169.0	169.0	178.0	137.8	191.3	108.0	162.1	162.1	168.7	134.3	179.8	104.0
	85°F	191.3	191.3	195.5	174.2	211.2	145.0	185.4	185.4	187.9	171.1	201.9	141.8	178.9	178.9	181.5	168.9	191.6	138.2	171.5	171.5	173.1	164.9	180.0	134.2
6600	75°F	180.0	151.2	194.5	118.3	209.9	87.1	174.8	149.4	186.9	115.3	200.7	83.8	167.0	145.9	178.7	112.0	190.2	80.0	158.3	141.9	169.0	108.2	178.6	75.8
	80°F	184.9	183.4	195.8	150.2	211.3	118.3	180.4	180.4	188.2	147.2	201.6	114.8	173.6	173.6	179.6	143.9	191.0	111.1	165.8	165.8	170.0	140.3	178.8	106.9
	85°F	196.1	196.1	197.6	182.5	211.9	150.9	189.9	189.9	192.2	180.6	202.0	147.5	183.0	183.0	184.5	177.0	191.2	143.8	175.4	175.4	177.6	174.3	178.9	139.7

**TABLE 9: COOLING PERFORMANCE DSK240 - 20 TON**

DSK240 20 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
7200	75°F	230.3	184.1	248.7	146.4	269.3	108.2	221.9	180.3	239.8	142.7	258.3	104.3	212.7	176.3	229.6	138.6	245.6	101.9	204.5	173.1	218.5	134.1	231.2	96.6
	80°F	233.3	221.4	250.2	182.6	270.6	146.3	223.9	216.6	241.0	178.9	259.4	142.1	215.3	212.5	230.8	174.9	246.5	137.4	208.0	208.0	219.3	170.3	231.9	132.1
	85°F	262.7	262.7	257.8	222.3	278.1	185.8	256.4	256.4	249.3	218.7	266.7	181.7	249.3	249.3	239.8	214.8	253.8	177.1	241.6	241.6	229.1	210.4	239.2	171.9
8000	75°F	233.4	193.0	251.7	151.6	270.0	111.9	224.6	189.1	242.4	147.9	258.0	107.4	217.3	186.4	231.7	143.6	244.6	102.6	207.0	181.7	220.0	139.0	229.6	97.1
	80°F	237.1	233.3	253.1	191.3	271.6	150.9	229.0	228.3	243.4	187.5	259.7	146.6	223.1	223.1	232.9	183.4	246.1	141.7	214.4	214.4	220.6	178.7	230.7	136.4
	85°F	274.3	274.3	262.9	235.0	279.6	194.2	267.2	267.2	253.9	231.3	267.7	190.0	259.5	259.5	246.4	228.9	254.1	185.3	250.9	250.9	236.3	224.2	238.8	180.0
8800	75°F	238.2	203.1	254.1	156.6	269.4	112.7	229.5	199.0	244.2	152.7	256.9	108.2	219.6	194.6	233.2	148.4	242.7	103.0	208.7	189.7	220.1	143.6	226.8	97.3
	80°F	245.1	245.1	255.4	199.7	271.2	155.0	237.2	237.2	245.4	195.8	258.4	150.5	228.4	228.4	234.1	191.6	244.2	145.5	218.7	218.7	224.8	188.5	227.9	139.9
	85°F	283.8	283.8	267.3	247.1	279.9	202.1	276.1	276.1	261.2	245.1	267.1	197.7	267.4	267.4	251.9	240.8	252.9	192.9	257.9	257.9	241.6	236.0	236.5	187.5

**TABLE 10: COOLING PERFORMANCE DSK300 - 25 TON**

DSK300 25 TON		AMBIENT CONDENSER AIR TEMPERATURE																							
		85°F						95°F						105°F						115°F					
		EWB						EWB						EWB						EWB					
		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F		62°F		67°F		72°F	
CFM	EDB	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
9000	75°F	285.6	225.4	308.9	180.1	339.4	136.0	275.0	220.8	297.5	175.4	325.1	133.6	263.1	215.6	285.0	170.3	309.2	127.7	249.6	209.8	270.6	164.5	291.5	121.1
	80°F	291.7	271.6	311.4	224.0	342.3	182.2	281.0	267.2	299.6	219.3	327.5	176.7	266.8	259.8	286.9	214.3	311.3	170.8	255.5	254.0	272.2	208.6	293.1	164.3
	85°F	304.3	304.3	314.2	269.9	344.0	227.1	294.8	294.8	302.6	265.0	329.0	221.8	284.4	284.4	289.4	259.5	312.6	216.0	272.7	272.7	274.6	253.5	293.9	209.5
10,000	75°F	290.5	236.1	313.5	186.4	341.9	140.9	279.2	231.3	301.6	181.7	326.7	135.2	266.4	225.8	288.2	176.3	309.8	129.1	255.4	221.7	273.3	170.5	290.9	122.1
	80°F	297.4	286.2	315.8	234.3	344.8	187.9	286.0	281.3	303.7	229.7	329.2	182.2	273.7	273.5	290.2	224.5	312.1	176.1	266.2	266.2	274.9	218.7	292.6	169.2
	85°F	313.5	313.5	319.3	284.1	346.0	236.7	303.4	303.4	306.8	279.0	330.2	231.3	292.3	292.3	295.5	275.4	312.8	225.4	279.9	279.9	281.6	268.8	292.9	218.7
11,000	75°F	291.3	244.8	317.1	192.3	344.4	142.8	279.6	240.0	304.7	187.5	328.3	136.9	270.4	236.7	290.8	182.0	310.6	130.5	256.8	230.6	275.2	176.0	291.2	123.5
	80°F	301.6	298.9	319.4	244.1	346.7	193.2	296.7	296.7	306.8	239.4	330.6	187.6	284.5	284.5	292.6	234.1	312.5	181.2	270.9	270.9	276.7	228.3	292.2	174.3
	85°F	321.2	321.2	320.7	296.4	347.7	246.2	310.6	310.6	311.0	293.2	330.9	240.5	298.8	298.8	297.1	286.7	312.6	234.4	285.8	285.8	287.5	283.3	291.4	227.5

**TABLE 11: SUPPLY AIR BLOWER PERFORMANCE - 3, 4, & 5 TONS**

MODEL DSK	SUPPLY CFM	EXTERNAL STATIC PRESSURE - Inches W.C.															
		0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
036	1000	591	0.11	716	0.16	820	0.19	920	0.25	1027	0.30	1081	0.35	1216	0.43	1291	0.48
	1200	660	0.17	770	0.22	870	0.28	966	0.33	1046	0.39	1133	0.45	1223	0.52	-	-
	1400	732	0.25	830	0.31	922	0.37	1007	0.43	1090	0.50	-	-	-	-	-	-
048	1450	724	0.24	833	0.30	936	0.37	1022	0.44	1117	0.51	1207	0.59	1294	0.67	1377	0.75
	1600	776	0.30	876	0.37	972	0.44	1060	0.53	1153	0.61	1231	0.68	1305	0.76	-	-
	1800	850	0.41	940	0.49	1028	0.57	1111	0.65	1190	0.74	-	-	-	-	-	-
060	1800	850	0.41	940	0.49	1028	0.57	1111	0.66	1191	0.75	1269	0.82	1344	0.84	1415	0.94
	2000	921	0.54	1003	0.63	1083	0.71	1161	0.80	1237	0.89	1309	0.98	-	-	-	-
	2200	997	0.71	1073	0.79	1146	0.89	1218	0.98	1288	1.08	-	-	-	-	-	-

**Note:**

21. At higher evaporator airflows, and wet bulb conditions condensate carry-over may occur. Adjust air flow downward as necessary
22. Values include pressure drop from wet coil and clean filters.
23. Shaded areas indicate oversize motors.

**TABLE 12: CONDENSER AIR BLOWER PERFORMANCE - 3, 4, & 5 TONS**

MODEL DSK	OUTDOOR CFM	EXTERNAL STATIC PRESSURE - INCHES W.C.									
		0.2		0.4		0.6		0.8		1.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
036	2400	623	0.43	714	0.53	800	0.63	887	0.74	963	0.87
048	2600	655	0.52	741	0.53	823	0.74	894	0.88	964	1.00
060	3200	767	0.89	839	1.03	908	1.17	973	1.31	1035	1.46



**TABLE 13: SUPPLY AIR BLOWER PERFORMANCE - 8, 10, 12, 15, 20, & 25 TONS**

MODEL DSK	SUPPLY CFM	EXTERNAL STATIC PRESSURE - Inches W.C.																			
		0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
096	3000	734	0.76	809	0.89	881	1.02	950	1.17	1016	1.32	1079	1.47	1139	1.63	1196	1.79	1251	1.97	1303	2.17
	3200	771	0.90	843	1.03	911	1.17	977	1.32	1040	1.47	1101	1.63	1159	1.81	1214	2.01	-	-	-	-
	3400	811	1.06	879	1.20	944	1.35	1007	1.50	1068	1.66	1128	1.83	1187	2.01	-	-	-	-	-	-
120	3600	800	1.13	867	1.28	931	1.43	993	1.59	1052	1.74	1100	1.88	1158	2.11	1225	2.25	1245	2.50	1335	2.66
	4000	876	1.52	937	1.68	996	1.85	1052	2.01	1100	2.23	1154	2.31	1200	2.55	1263	2.72	1304	2.93	1367	3.12
	4400	951	1.98	1007	2.16	1062	2.35	1120	2.52	1178	2.76	1204	2.92	1263	3.15	-	-	-	-	-	-
144	4300	717	1.06	792	1.23	862	1.41	928	1.58	989	1.75	1049	1.93	1100	2.10	1165	2.30	1210	2.50	1245	2.60
	4800	781	1.42	850	1.62	915	1.81	976	2.00	1035	2.20	1091	2.39	1144	2.58	1197	2.78	1245	2.96	-	-
	5300	848	1.87	912	2.08	972	2.29	1030	2.57	1085	2.72	1138	2.94	1189	3.15	-	-	-	-	-	-
180	5400	765	1.93	818	2.16	870	2.41	920	2.70	970	2.90	1010	3.20	1050	3.46	1100	3.70	1145	3.90	1180	4.30
	6000	824	2.52	873	2.77	920	3.03	967	3.30	1010	3.58	1052	3.90	1097	4.24	1137	4.59	1178	4.95	1220	5.33
	6600	903	3.33	947	3.60	991	3.89	1034	4.19	1076	4.49	1110	4.80	1150	5.10	-	-	-	-	-	-
240	7200	657	1.89	717	2.19	774	2.51	829	2.84	875	3.18	933	3.53	972	3.89	1024	4.26	1072	4.63	1113	5.02
	8000	717	2.51	772	2.84	825	3.20	875	3.55	924	3.92	976	4.31	1022	4.72	1062	5.15	1105	5.60	1145	6.07
	8800	778	3.27	830	3.64	878	4.01	925	4.40	970	4.79	1015	5.20	1067	5.63	1102	6.08	1140	6.54	1183	7.03
300	9000	785	3.42	836	3.80	884	4.18	930	4.56	975	4.97	1019	5.38	1068	5.81	1100	6.26	1143	6.75	1184	7.24
	10000	861	4.59	907	5.00	952	5.43	994	5.85	1035	6.27	1076	6.73	1116	7.19	1155	7.66	1198	8.15	1225	8.66
	11000	938	6.02	981	6.48	1022	6.94	1061	7.39	1100	7.87	1137	8.34	1174	8.82	1210	9.32	1246	9.83	1281	10.34

**Note:**

1. At higher evaporator airflows, and wet bulb conditions condensate carry-over may occur. Adjust air flow downward as necessary.
2. Values include pressure drop from wet coil and clean filters.
3. Shaded areas indicate oversize motors.

**TABLE 14: CONDENSER AIR BLOWER PERFORMANCE - 8, 10, 12, 15, 20, & 25 TONS**

MODEL DSK	OUTDOOR CFM	EXTERNAL STATIC PRESSURE - INCHES W.C.											
		0.2		0.4		0.6		0.8		1.0		1.2	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
096	4700	737	1.19	811	1.38	882	1.59	951	1.82	1017	2.07	-	-
120	5500	804	1.71	873	1.94	941	2.19	1008	2.46	1073	2.75	1136	3.06
144	6600	675	1.77	735	2.06	792	2.46	848	2.60	900	3.00	-	-
180	7500	725	2.35	780	2.67	834	3.01	886	3.37	936	3.76	983	4.18
240	10200	656	3.72	700	4.12	741	4.50	781	4.91	820	5.32	857	5.73
300	11500	687	4.76	728	5.20	767	5.64	805	6.09	841	6.52	876	6.97

**TABLE 15: ELECTRICAL DATA - STANDARD EVAPORATOR AND CONDENSER MOTORS (3, 4, & 5 TONS)**

Model DSK	Voltage	Compressor			Evaporator Fan		Condenser Fan		MIN Circuit Ampacity	Max Fuse/Circuit Breaker AMP
		QTY	RLA	LRA	HP	FLA	HP	FLA		
036A06	208-230/1/60	1 @	17.9	88.0	0.33	3.2	1.00	7.4	32.98	50
036A25	208-230/3/60	1 @	11.4	77.0	0.33	1.8	1.00	3.1	19.15	30
036A46	460/3/60	1 @	5.7	39.0	0.33	0.8	1.00	1.4	9.33	15
036A58	575/3/60	1 @	4.7	31.0	0.33	0.6	1.00	1.1	7.59	15
048A06	208-230/1/60	1 @	20.4	109.0	0.50	4.4	1.00	7.4	37.30	50
048A25	208-230/3/60	1 @	13.9	88.0	0.50	2.1	1.00	3.1	22.58	35
048A46	460/3/60	1 @	7.1	44.0	0.50	1.0	1.00	1.4	11.33	15
048A58	575/3/60	1 @	5.4	34.0	0.50	0.8	1.00	1.1	8.59	15
060A25	208-230/3/60	1 @	19.3	123.0	0.75	3.2	1.50	4.5	31.83	50
060A46	460/3/60	1 @	7.5	49.5	0.75	1.5	1.50	2.1	12.98	20
060A58	575/3/60	1 @	6.4	40.0	0.75	1.2	1.50	1.7	10.90	15

**TABLE 16: ELECTRICAL DATA - OVERSIZE EVAPORATOR MOTORS (3, 4, & 5 TONS)**

Model DSK	Voltage	Compressor			Evaporator Fan		Condenser Fan		MIN Circuit Ampacity	Max Fuse/Circuit Breaker AMP
		QTY	RLA	LRA	HP	FLA	HP	FLA		
036A06	208-230/1/60	1 @	17.9	88.0	0.50	4.4	1.00	7.4	34.18	50
036A25	208-230/3/60	1 @	11.4	77.0	0.50	2.1	1.00	3.1	19.45	30
036A46	460/3/60	1 @	5.7	39.0	0.50	1.0	1.00	1.4	9.53	15
036A58	575/3/60	1 @	4.7	31.0	0.50	0.8	1.0	1.1	7.79	15
048A06	208-230/1/60	1 @	20.4	109.0	0.75	5.4	1.00	7.4	38.30	50
048A25	208-230/3/60	1 @	13.9	88.0	0.75	3.2	1.00	3.1	23.68	35
048A46	460/3/60	1 @	7.1	44.0	0.75	1.5	1.00	1.4	11.83	15
048A58	575/3/60	1 @	5.4	34.0	0.75	1.2	1.00	1.1	8.99	15
060A25	208-230/3/60	1 @	19.3	123.0	1.00	3.1	1.50	4.5	31.73	50
060A46	460/3/60	1 @	7.5	49.5	1.00	1.4	1.50	2.1	12.88	20
060A58	575/3/60	1 @	6.4	40.0	1.00	1.1	1.50	1.7	10.80	15

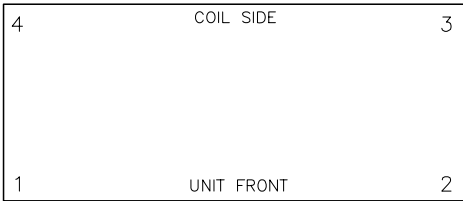
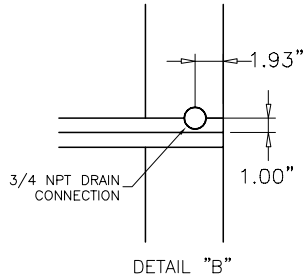
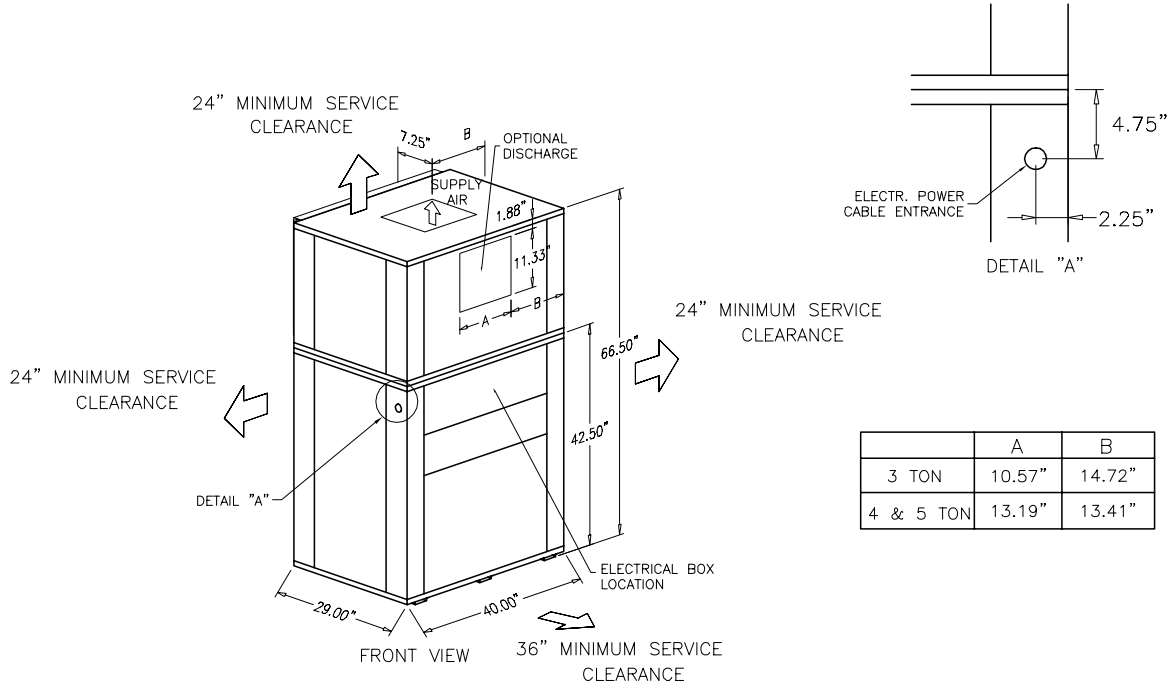
**TABLE 17: ELECTRICAL DATA - STANDARD EVAPORATOR AND CONDENSER MOTORS  
(8, 10, 12, 15, 20, & 25 TONS)**

Model DSK	Voltage	Compressor			Evaporator Fan		Condenser Fan		MIN Circuit Ampacity	Max Fuse/Circuit Breaker AMP
		QTY	RLA	LRA	HP	FLA	HP	FLA		
096A25	208-230/3/60	2 @	13.9	88.0	1.50	4.5	2.00	5.9	41.68	50
096A46	460/3/60	2 @	7.1	44.0	1.50	2.1	2.00	2.8	20.97	25
096A58	575/3/60	2 @	5.4	34.0	1.50	1.7	2.00	2.2	15.94	20
120A25	208-230/3/60	2 @	19.3	123.0	2.00	5.9	3.00	8.7	58.03	70
120A46	460/3/60	2 @	7.5	49.5	2.00	2.8	3.00	4.0	23.68	30
120A58	575/3/60	2 @	6.4	40.0	2.00	2.2	3.00	3.2	19.80	25
144A25	208-230/3/60	2 @	20.7	156.0	2.00	5.9	3.00	8.7	61.18	80
144A46	460/3/60	2 @	10.0	75.0	2.00	2.8	3.00	4.0	29.30	35
144A58	575/3/60	2 @	8.2	54.0	2.00	2.2	3.00	3.2	23.85	30
180A25	208-230/3/60	2 @	28.6	196.0	5.00	13.7	5.00	13.7	91.75	110
180A46	460/3/60	2 @	14.2	100.0	5.00	6.6	5.00	6.6	45.15	50
180A58	515/3/60	2@	9.7	90.0	5.00	5.3	5.00	5.3	32.43	40
240A25	208-230/3/60	2@	33.6	225.0	5.00	13.7	7.50	22.2	111.50	125
240A46	460/3/60	2@	17.3	114.0	5.00	6.6	7.50	10.8	56.33	70
240A58	575/3/60	2@	13.51	80.0	5.00	5.3	7.50	8.2	43.88	50
300A25	208-230/3/60	3@	33.6	195.0	7.50	22.2	7.50	22.2	148.73	175
300A46	460/3/60	3@	16.4	95.0	7.50	10.8	7.50	10.8	74.90	90
300A58	575/3/60	3@	12.0	80.0	7.50	8.2	7.50	8.2	55.40	60

**TABLE 18: ELECTRICAL DATA - OVERSIZE EVAPORATOR MOTORS (8, 10, 12, 15, 20, & 25 TONS)**

Model DSK	Voltage	Compressor			Evaporator Fan		Condenser Fan		MIN Circuit Ampacity	Max Fuse/Circuit Breaker AMP
		QTY	RLA	LRA	HP	FLA	HP	FLA		
096A25	208-230/3/60	2 @	13.9	88.0	2.00	5.9	2.00	5.9	43.08	50
096A46	460/3/60	2 @	7.1	44.0	2.00	2.8	2.00	2.8	21.67	25
096A58	575/3/60	2 @	5.4	34.0	2.00	2.2	2.00	2.2	16.44	20
120A25	208-230/3/60	2 @	19.3	123.0	3.00	8.7	3.00	8.7	60.83	80
120A46	460/3/60	2 @	7.5	49.5	3.00	4.0	3.00	4.0	24.88	30
120A58	575/3/60	2 @	6.4	40.0	3.00	3.2	3.00	3.2	20.80	25
144A25	208-230/3/60	2 @	20.7	156.0	3.00	8.7	3.00	8.7	63.98	80
144A46	460/3/60	2 @	10.0	75.0	3.00	4.0	3.00	4.0	30.50	40
144A58	575/3/60	2 @	8.2	54.0	3.00	3.2	3.00	3.2	24.85	30
180A25	208-230/3/60	2 @	28.6	196.0	5.00*	13.7	5.00	13.7	91.75	110
180A46	460/3/60	2 @	14.2	100.0	5.00*	6.6	5.00	6.6	45.15	50
180A58	515/3/60	2@	9.7	90.0	5.00*	5.3	5.00	5.3	32.43	40
240A25	208-230/3/60	2@	33.6	225.0	7.50	22.2	7.50	22.2	120.00	150
240A46	460/3/60	2@	17.3	114.0	7.50	10.8	7.50	10.8	60.53	70
240A58	575/3/60	2@	13.51	80.0	7.50	8.4	7.50	8.4	47.18	60
300A25	208-230/3/60	3@	33.6	195.0	10.00	25.6	7.50	22.2	152.13	175
300A46	460/3/60	3@	16.4	95.0	10.00	11.6	7.50	10.8	75.70	90
300A58	575/3/60	3@	12.0	80.0	10.00	9.6	7.50	8.2	56.80	60

\*NOTE: Oversized evaporator motor not available on DSK180 models.



UNIT	CORNER WEIGHTS [Lbs.]				TOTAL
	1	2	3	4	
3 TON	127	148	173	152	600
4 TON	131	153	179	157	620
5 TON	141	164	192	168	665

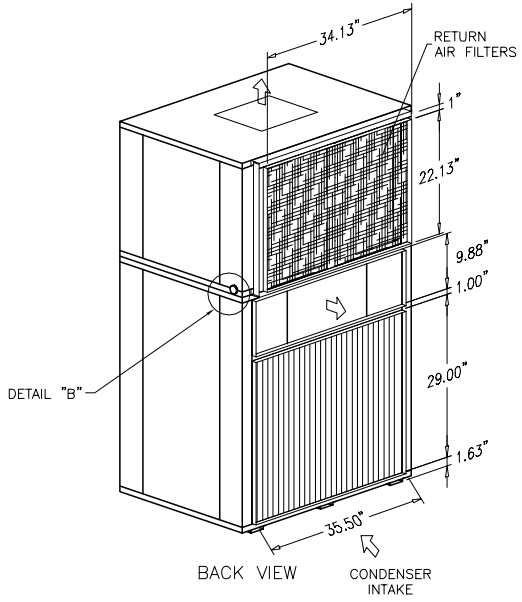
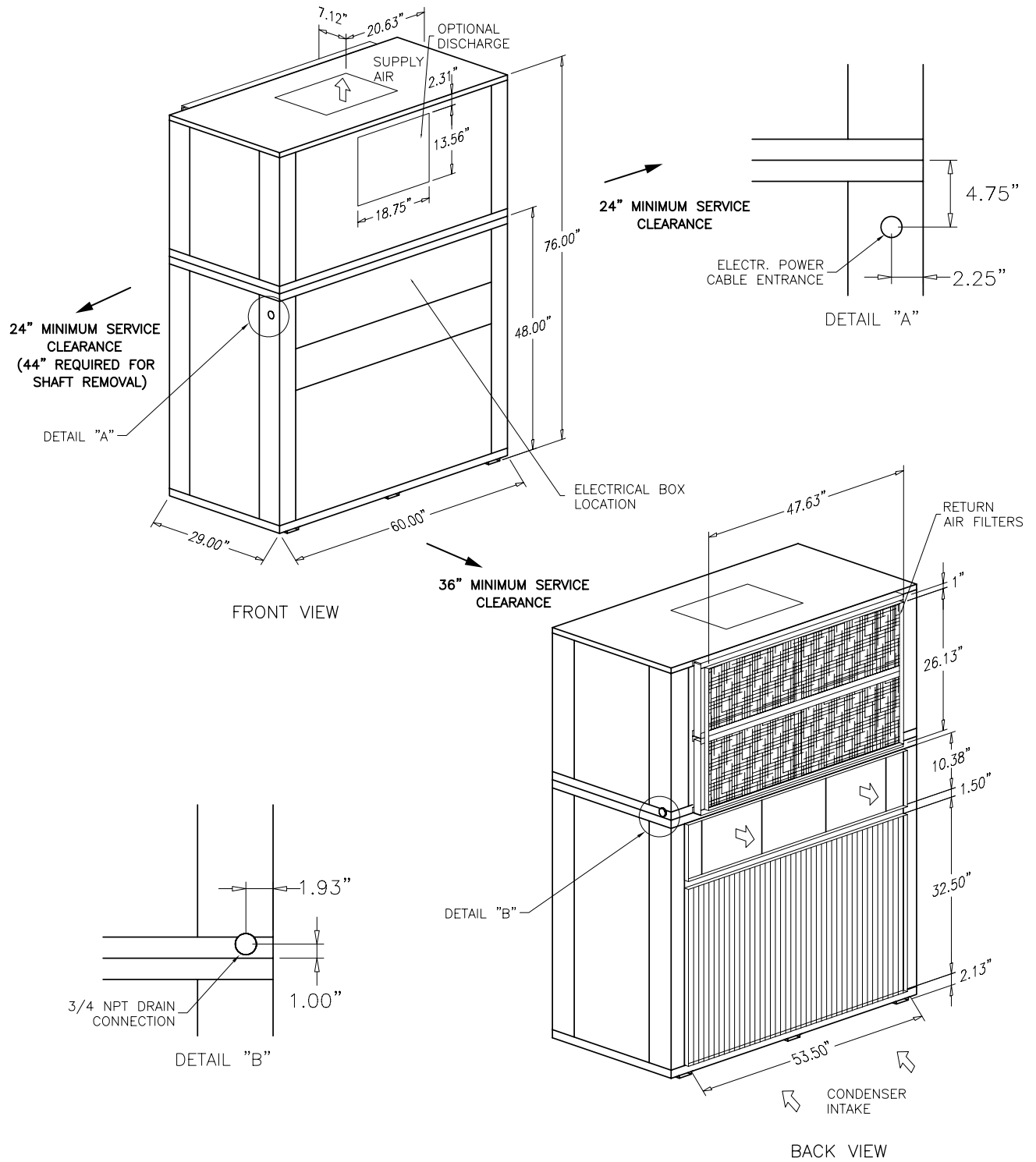


FIGURE 1: 3, 4 & 5 TON UNIT DIMENSIONS



**FIGURE 2: 8 - 10 TON UNIT DIMENSIONS**

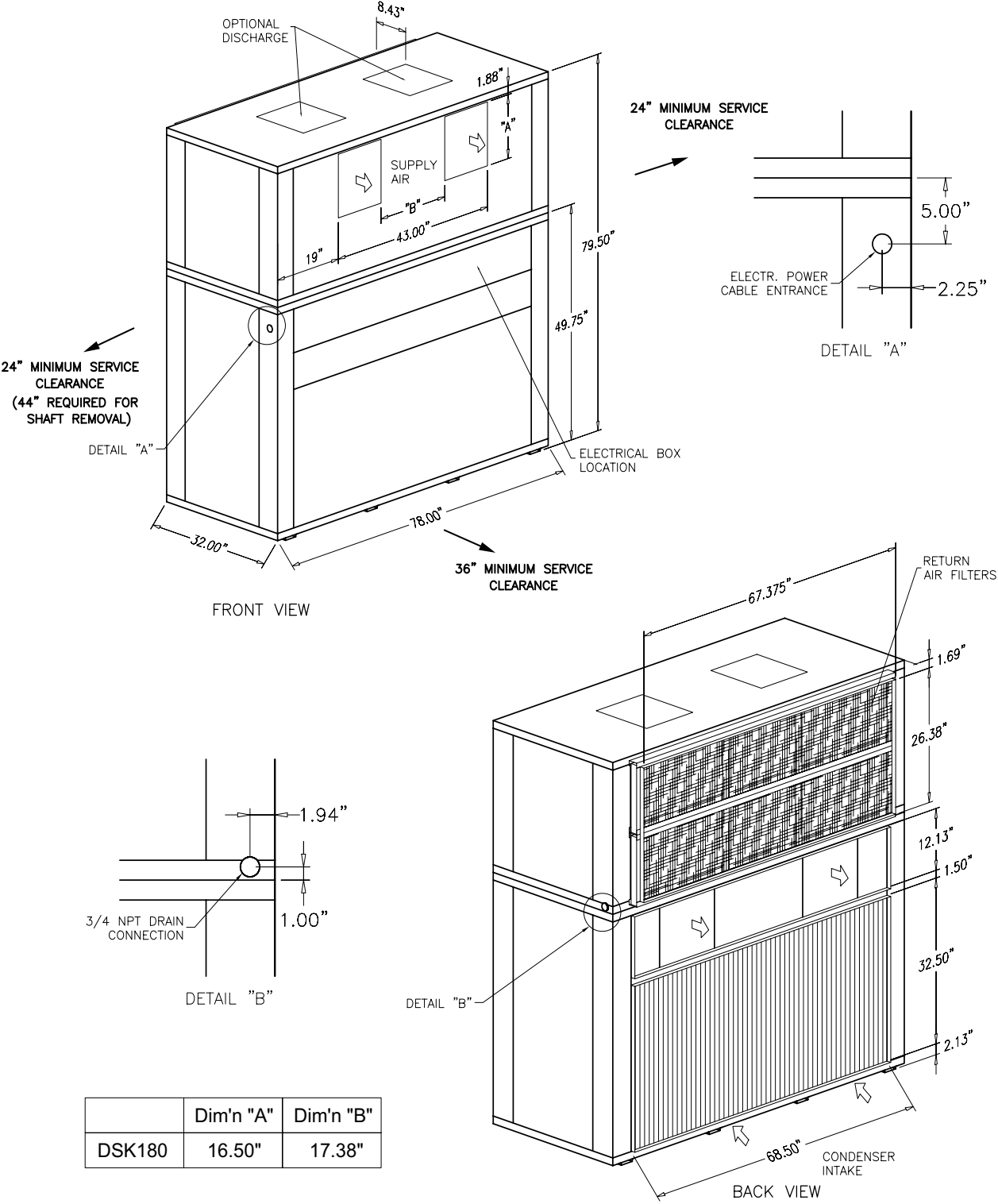
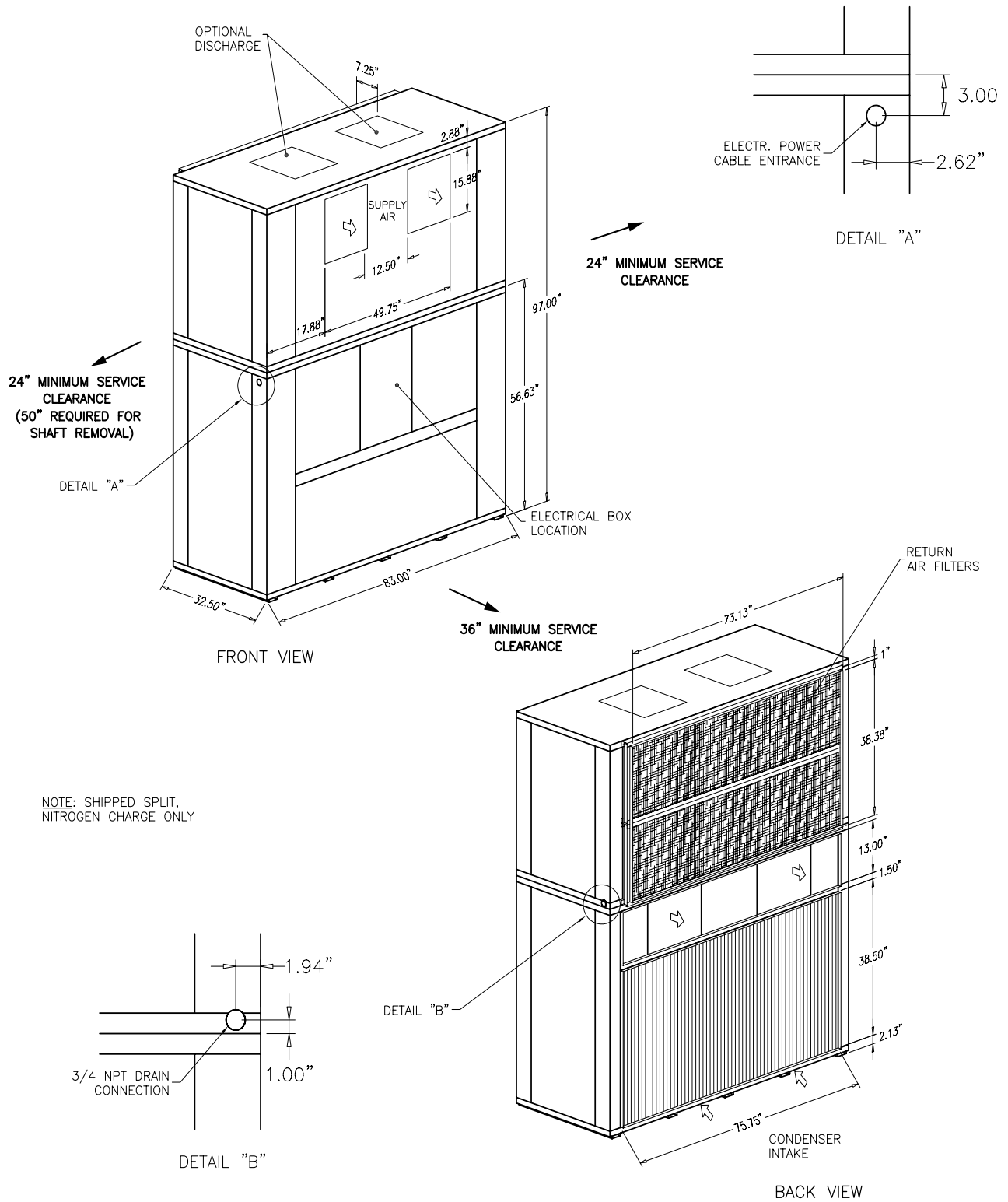


FIGURE 3: 12 - 15 TON UNIT DIMENSIONS



**FIGURE 4: 20 TON UNIT DIMENSIONS**

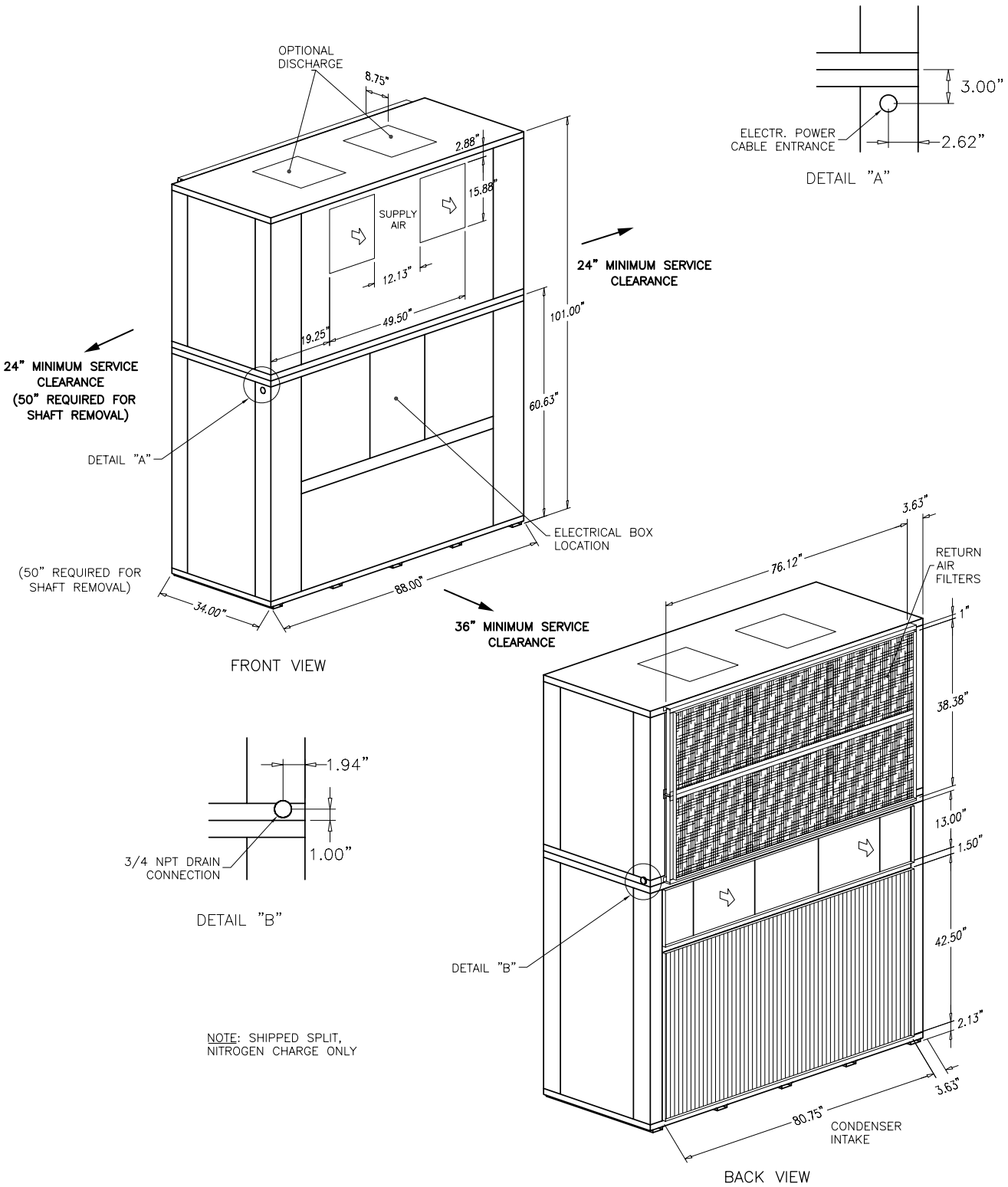


FIGURE 5: 25 TON UNIT DIMENSIONS



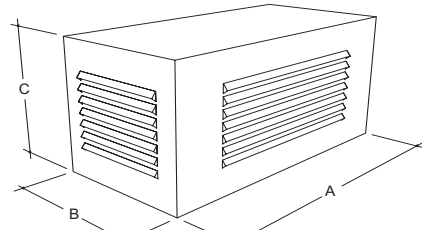
**TABLE 19: HOT WATER COILS**

MODEL DSK	60°F ENTERING AIR TEMPERATURE					
	180°F ENTERING WATER TEMPERATURE					
	AIRFLOW CFM	AIR PD IN WG	WATER GPM	WATER FT. WG	CAPACITY MBH	LAT °F
060	2000	0.11	10.0	0.49	131.9	121.1
		0.11	15.0	0.97	140.6	125.1
		0.11	20.0	1.59	145.2	127.4
096	3200	0.11	15.0	1.09	213.4	121.8
		0.11	20.0	1.78	223.3	124.6
		0.11	25.0	2.63	229.6	126.5
120	4000	0.17	20.0	1.80	255.5	119.2
		0.17	25.0	2.63	264.2	121.2
		0.17	30.0	3.65	270.3	122.6
144	4800	0.13	25.0	0.18	269.6	112.0
		0.13	30.0	0.24	277.5	113.5
		0.13	35.0	0.32	283.4	114.7
180	6000	0.16	30.0	4.13	393.4	120.7
		0.16	35.0	5.41	402.1	122.1
		0.16	40.0	6.61	408.7	123.1
240	8000	0.13	35.0	3.37	527.6	121.1
		0.13	40.0	4.25	538.9	122.4
		0.13	45.0	5.22	548.1	123.4

**TABLE 20: STEAM COILS**

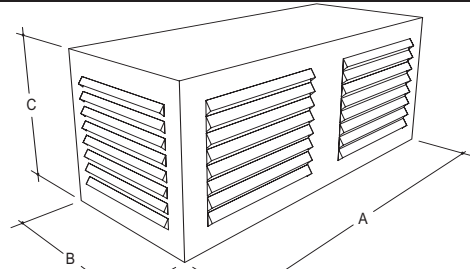
MODEL DSK	60°F ENTERING AIR TEMPERATURE				
	180°F ENTERING WATER TEMPERATURE				
	AIRFLOW CFM	AIR PD IN WG	STEAM PRESSURE	CAPACITY MBH	LAT °F
060	2000	0.09	2.0	139.4	124.5
		0.09	5.0	146.9	128.0
		0.09	10.0	155.7	132.1
096	3200	0.09	2.0	223.1	124.6
		0.09	5.0	235.2	128.1
		0.09	10.0	249.2	132.1
120	4000	0.12	2.0	248.8	117.6
		0.12	5.0	262.2	120.7
		0.12	10.0	277.9	124.3
144	4800	0.10	2.0	257.8	109.7
		0.10	5.0	271.8	112.4
		0.10	10.0	267.9	115.5
180	6000	0.13	2.0	358.9	115.4
		0.13	5.0	378.4	118.4
		0.13	10.0	400.9	121.9
240	8000	0.11	2.0	523.3	120.6
		0.11	5.0	551.7	123.9
		0.11	10.0	584.5	127.7

**NOTE:** Optional accessories on this page not currently available on the DSK300.



PLENUM DIMENSIONS (INCHES)

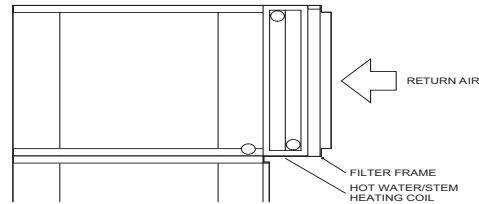
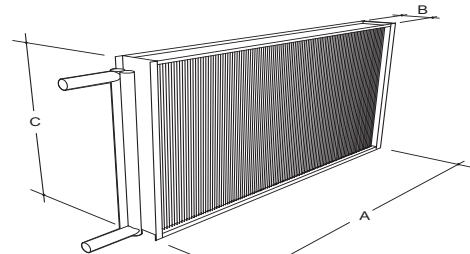
	A	B	C	SIDE GRILLE	FRONT GRILLE
5 TON	40	29	28	16X12 (2X)	32X12
8 TON	60	29	28	20X16 (2X)	38X16
10 TON	60	29	28	20X18 (2X)	48X18



PLENUM DIMENSIONS (INCHES)

	A	B	C	SIDE GRILLE	FRONT GRILLE
12 TON	78	32	28	20X18 (2X)	28X18 (2X)
15 TON	78	32	28	24X20 (2X)	28X20 (2X)
20 TON	83	32.5	28	24X20 (2X)	32X20 (2X)

**FIGURE 6: DISCHARGE PLENUM**



HEATING COIL DIMENSIONS (INCHES)

	A	B	C	INLET (MPT)	OUTLET (MPT)
5 TON	38	5.50	24	1 1/2	1 1/2
8 TON	52	5.50	28	1 1/2	1 1/2
10 TON	52	5.50	28	1 1/2	1 1/2
12 TON	62	5.50	28.25	1 1/2	1 1/2
15 TON	71	5.50	28.25	2	2
20 TON	76	5.50	40.25	2	2

**FIGURE 7: HEATING COILS**





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