Illusion
Split System

Split System Air Conditioning (Concealed Type)
1-5 Ton - 50 Hz

Air Handler Models

MCD512DB
MCD518DB
MCD524DB
MCD530DB
MCD536DB
MCD048DB
MCD060DB

Ordering No. MCD5MAIRO3-EN
Nov. 2004

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Features

MCD Air Handler unit

• Complete family of concealed models- available in capacities ranging from 12,000 to 60,000 Btu/h.
• Compact height- only 258 mm.
for 12,000 to 36,000 Btu/h models- the MCD Series is very compact for easy installation into tight ceiling locations.
• Return air plenum provides low air face velocity for quiet operation- the 42,000 to 60,000 Btu/h models are equipped with the return air plenum and 1 inch aluminum filter as standard.
• Triple protection drain pan of three layers provide maximum insulation and water integrity. First, a single piece of galvanized steel; next, a single piece of polystyrene; and finally, a vacuum formed plastic liner.
• The 12,000, 18,000 and 24,000 Btu/h models can be used in a multi-split system.
• Full capacity- the MCD Series has been tested and proved to provide full capacity and energy savings.

Condensing Unit Horizontal Discharge

• High efficiency unit with reliable slit-type aluminum fin.
• Compact unit size allows for installation in limited or confined spaces.
• Options: Blue fin, Copper fin,Stainless casing, and 45 degree louver.

Condensing Unit Vertical Discharge

• **Casing** is constructed of Heavy gauge, Galvanized steel and painted with a weather-resistant powder paint.

Corrosion & weatherproof CMBP-G30 Duratuff™ base. (2TTB / 2TTA)

• **The Climatuff® Compressor features** internal overload temperature and pressure protector, total dipped hermetic motor and thermostatically controlled sump heater. Other features include: roto lock suction and discharge refrigeration connections, centrifugal oil pump, and low vibration and noise.

• Condenser Coil

The Spine Fin™ coil shall be continuously wrapped, Corrosion resistant all aluminum with minimum brazed joints. This coil is 3/8 inch O.D. seamless aluminum glued to a continuous Aluminum fin. Coils are lab tested to withstand 2,000 pounds of pressure per square inch. The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Features

WIRED CONTROLLER / INFRA RED CONTROLLER (Optional)

The Trane ACYSTAT digital thermostat series is typically used with room air conditioning systems using concealed type indoor units. These series offer digital thermostat control with LCD wireless remote or wired control. Provide convenient and precise control of both Cooling only and Cooling/Heating concealed type chilled water fan coil or direct expansion air handling units.

These systems have been carefully designed and manufactured under strict Trane Worldwide Quality Standards. Each model of Digital Thermostat includes all of those operating features most desired by today's discriminating consumer and latest state-of the-art electronic technology in design and materials.

Controller selection and identification

ACYSTAT007A. Wired Control Cool only.
ACYSTAT008B. Wireless Control Cool only.
ACYSTAT009A. Wired Control Cool & Heat.
ACYSTAT010B. Wireless Control Cool & Heat.
Power Supply - 220 VAC 1 Phase 50/60 Hz

System Features

1. Watchdog
There is a circuit in the system to watch the operation of the microprocessor.

2. Compressor Delay Protection
There is a time delay for the compressor to restart.

3. Compressor Minimum on Time
Once the compressor starts to operate, it will not stop unless the compressor has operated for at least 24 seconds.

4. Non-Volatile Memory (Auto Restart)
After power interruption, the control will resume its operation with same setting parameters except those related to the time.

5. Pre-heat/Post-heat (Heat Model)
Prevents the fan coil from blowing a cold draught when the indoor coil temperature is low.

6. Freeze Function (Optional)
Stops the compressor if the indoor coil temperature is below 0˚C.

7. Anti-Recycle Timer
- The control system has a built-in 3 minute anti-recycle timer which helps to preserve the life of system components.
- Anti-Recycle Timer will operate as circumstances occur during operation of unit:
• Temperature setting is adjusted back and forth.
• ON/OFF switch is turned ON and OFF.
• Room temperature reaches the set point.
• Power failure.
Any of the above conditions will prevent operation of the outdoor unit for approximately 3 minutes.

8. Freeze Protection
The system is protected against low indoor coil temperatures. Under certain conditions,the "COOL/DRY" LED will blink indicating the protective function has been activated. There is no need to adjust the system.

System Performance

Nominal Rating			
Outdoor Unit	**Indoor Unit**	**MBH**	**CFM**
TTK512PB	MCD512DBP	12.2	300
TTK518PB	MCD518DBP	18.4	450
TTK524PB	MCD524DBP	24.6	600
TTK530KB	MCD530DBP	31.3	750
TTK536KB	MCD536DBP	36.6	900
TTK536KD	MCD536DBP	37.1	900
TTK042KD	MCD048DBP	42.1	1600
TTK048KD	MCD048DBP	50.2	1600
TTK060KD	MCD060DBP	60.2	2000
TTB510CA	MCD512DBP	12.4	300
TTB515CA	MCD512DBP	13.2	300
TTB515CA	MCD518DBP	15.3	450
TTB520CA	MCD518DBP	18.2	450
TTB520CA	MCD524DBP	19.0	600
2TTB0524AA	MCD524DBP	24.0	600
2TTB0530AA	MCD524DBP	26.6	600
2TTB0524AA	MCD530DBP	24.8	750
2TTB0530AA	MCD530DBP	27.9	750
2TTB0536AA	MCD530DBP	32.8	750
2TTB0536AA	MCD536DBP	34.0	900
2TTA0040AD	MCD536DBP	36.6	900
2TTA0040AD	MCD048DBP	39.2	1600
2TTA0050AD	MCD048DBP	49.1	1600
2TTA0050AD	MCD060DBP	53.0	2000
2TTA0060AD	MCD060DBP	60.9	2000

Selection Procedures

Model Number nomenclature for MCD concealed units

M	C	D	0	4	8	D	B	P	0	A
1	2	3	4	5	6	7	8	9	10	11

Digit 1
M = Mini-Split

Digit 2
C = Cooling Only

Digit 3 - Configuration
D = Concealed

Digit 4 - Refrigerant Connection
5 = Flare
0 = Brazed

Digit 5,6 = Nominal Capacity
12 = 12 MBh
18 = 18 MBh
24 = 24 MBh
30 = 30 MBh
36 = 36 MBh
48 = 48 MBh
60 = 60 MBh

Digit 7
D = Development Sequence

Digit 8 - Voltage
B = 220-240/1/50
1 = 220-240/1/60

Digit 9 - Electric Heater
P = No Electric Heater / with return plenum
Q = 1.0 kW
R = 1.5 kW
S = 2.0 kW
T = 2.5 kW
U = 3.0 kW
V = 4.0 kW
W = 4.5 kW
X = 5.0 kW
Y = 6.0 kW
Z = 7.0 kW

Digit 10 - Thermostat Option
0 = None

Digit 11
A = Design change

General Data

Indoor Units

UNIT MODELS		MCD512DBP	MCD518DBP	MCD524DBP	MCD530DBP	MCD536DBP
POWER CONNECTION	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
MCA[1]	A	12.0	15.3	18.8	25.2	28.3
SYSTEM DATA						
Refrigerant Type		R-22	R-22	R-22	R-22	R-22
No. Refrigerant Circuits		1	1	1	1	1
Refrigerant Connection Type		Flare	Flare	Flare	Flare	Flare
Suction Line OD	in (mm)	1/2 (12.7)	1/2 (12.7)	5/8 (15.87)	5/8 (15.87)	3/4 (19.05)
Liquid line OD	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
CASING						
Material / Color				Galvanized Steel / Unpainted		
Type of Insulation / Thickness	in (mm)			Fiberglass (12.70)		
Insulation Density	Kg./m^3	40	40	40	40	40
COIL						
Coil Size (HxL)	in^2	8 x 30	8 x 30	8 x 30	8 x 36	8 x 42
	(mm^2)	(203.2 x 762.0)	(203.2 x 762.0)	(203.2 x 762.0)	(203.2 x 914.4)	(203.2 x 1066.8)
Face Area	sq ft (m^2)	1.67 (0.155)	1.67 (0.155)	1.67 (0.155)	2.00 (0.186)	2.33 (0.216)
Tube Size OD	in (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
Tube Type (Rows)		Plain (2)	Inn. Grv. (2)	Inn. Grv. (3)	Inn. Grv. (3)	Inn. Grv. (3)
Fin Type		Precoated Slit	Precoated Slit	Precoated Slit	Precoated Slit	Precoated Slit
Fins per inch		19	20	15	15	14
Refrigerant Flow Control		Capillary Tube	Capillary Tube	Capillary Tube	Capillary Tube	Capillary Tube
Drain Connection Size	in (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)
ELECTRIC HEATER DATA[2]						
Heater Rating	kW	2	2.5	3	4 (2 elements)	4.5 (2 elements)
Heater RLA		9.1	11.4	13.64	18.18	20.45
FAN						
Fan Type (No. Used)		Centrifugal (2)	Centrifugal (2)	Centrifugal (2)	Centrifugal (2)	Centrifugal (2)
Diameter	in (mm)	6 (152.4)	6 (152.4)	7 (177.8)	7 (177.8)	7 (177.8)
Width	in (mm)	8 (203.2)	8 (203.2)	9 (228.6)	9 (228.6)	9 (228.6)
Drive Type		Direct	Direct	Direct	Direct	Direct
MOTOR						
Motor Type				Permanent Split Capacitor		
No. of Motor (Motor Power kW)		1 (0.041)	1 (0.087)	1 (0.193)	1 (0.278)	1 (0.261)
No. of Speed		4	4	4	4	4
Motor Speed	rpm	900/1000/1100/1200	1100/1200/1300/1400	1000/1100/1200/1400	1100/1250/1350/1400	1150/1250/1350/1400
V/ph/Hz		220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
RLA/LRA		0.48/0.80	0.82/1.86	1.37/3.15	1.98/5.28	2.20/5.77
FILTER						
Type				Washable Aluminium Filter		
No. used		1	1	1	1	1
Size (WxLxD)	in^3	10.6 x 30.3 x 1	10.6 x 30.3 x 1	10.6 x 30.3 x 1	10.6 x 36.3 x 1	10.6 x 42.4 x 1
	(mm)^3	270 x 770 x 25	270 x 770 x 25	270 x 770 x 25	270 x 922 x 25	270 x 1077 x 25
Indoor Sound Data	dBA	41	48	46	53	55
DIMENSION (HxWxD)						
Crated (Shipping)	in^3	12.2 x 37.4 x 25.2	12.2 x 37.4 x 25.2	12.2 x 37.4 x 25.2	12.2 x 43.7 x 25.2	12.2 x 49.8 x 25.2
	(mm)^3	(311 x 949 x 641)	(311 x 949 x 641)	(311 x 949 x 641)	(311 x 1111 x 641)	(311 x 1264 x 641)
Uncrated (Net)	in^3	11.8 x 37.2 x 24.6	11.8 x 37.2 x 24.6	11.8 x 37.2 x 24.6	11.8 x 43.2 x 24.6	11.8 x 49.3 x 24.6
	(mm)^3	(300 x 946 x 625)	(300 x 946 x 625)	(300 x 946 x 625)	(300 x 1098 x 625)	(300 x 1251 x 625)
WEIGHT						
Crated (Shipping)	lb (kg)	68(30.91)	72(32.73)	76(34.54)	87(39.54)	97(44.09)
Uncrated (Net)	lb (kg)	63(28.64)	67(30.45)	71(32.27)	80(36.36)	89(40.45)

1 MCA- Minimum Circuit Ampacity ; calculated as follow : 125 % of motor R.L.Amps plus heater R.L.Amps .

2 For Heating models only

3 Test at free blow (0.0 in.wg ESP) / Dry Coil / Using ARI Standard 270-84 as a reference for test set up.

General Data

Indoor Units

UNIT MODELS		MCD048DBP	MCD060DBP
POWER CONNECTION	V/ph/Hz	220-240/1/50	220-240/1/50
MCA[2]	A	38.2	45.1
SYSTEM DATA			
Refrigerant Type		R-22	R-22
No. Refrigerant Circuits		1	1
Refrigerant Connection Type		Brazed	Brazed
Suction Line OD	in (mm)	1 1/8	1 1/8
Liquid line OD	in (mm)	3/8	3/8
CASING			
Material / Color		Galvanized Steel / Unpainted	
Type of Insulation / Thickness	in (mm)	Fiberglass (12.70)	
Insulation Density	Kg./ in2	40	
COIL			
Coil Size (HxL)	in^2	14x36	14x42
	(mm^2)	355.6x914.4	355.6x1066.8
Face Area	sq ft (m^2)	3.50 (0.33)	4.08 (0.38)
Tube Size OD	in (mm)	3/8	3/8
Tube Type (Rows)		Plain (3)	Inn. Grv. (3)
Fin Type		Precoated Slit	Precoated Slit
Fins per inch		14	15
Refrigerant Flow Control		Capillary Tube	Capillary Tube
Drain Connection Size	in (mm)	1/2 (12.7)	1/2 (12.7)
ELECTRIC HEATER DATA [2]			
Heater Rating	kW	6 (2 elements)	7 (2 elements)
Heater RLA		27.2	31.8
FAN			
Fan Type (No. Used)		Centrifugal (2)	Centrifugal (2)
Diameter	in (mm)	8 (203.2)	8 (203.2)
Width	in (mm)	9 (228.6)	10(254.0)
Drive Type		Direct	Direct
MOTOR			
Motor Type		Permanent split capacitor	
No. of Motor		1	1
Motor Power	kW	0.394	0.453
No. of Speed		4	4
Motor Speed	rpm	850/1000/1100/1200	850/970/1100/1250
V/ph/Hz		220-240/1/50	220-240/1/50
RLA/LRA		3.33/5.08	4.30/6.98
FILTER			
Type		Washable Aluminium Filter	
No. used		1	1
Size (WxLxD)	in^3	13.7x35.4x1	13.7x41.5x1
	$(mm)^3$	350x901x25	350x1054x25
Indoor Sound Data[3]	dBA	60	61
DIMENSION (HxWxD)			
Crated (Shipping)	in^3	19.3x46.0x30.8	19.3x51.9x30.8
	$(mm)^3$	490x1168x782	490x1317x782
Uncrated (Net)	in^3	16x43.2x29.8	16x49.2x29.8
	$(mm)^3$	408x1098x759	408x1251x759
WEIGHT			
Crated (Shipping)	lb (kg)	116.6(53)	132(60)
Uncrated (Net)	lb (kg)	106.7(48.5)	121(55)

1 MCA- Minimum Circuit Ampacity ; calculated as follow : 125 % of motor R.L.Amps plus heater R.L.Amps.

2 For Heating models only

3 Test at free blow (0.0 in.wg ESP) / Dry Coil / Using ARI Standard 270-84 as a reference for test set up.

General Data

Outdoor Units

UNIT MODELS		TTK512PB00F	TTK518PB00F	TTK524PB00G	TTK530PB00F
POWER CONNECTION	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
MCA[1, 3]	A	8.1	10.5	15.1	22.3
Fuse Size -Max. (amps)		Per Local Codes	Per Local Codes	Per Local Codes	Per Local Codes
SYSTEM DATA					
Refrigerant Type		R-22	R-22	R-22	R-22
No. Refrigerant Circuits		1	1	1	1
Refrigerant Connection Type		Flare	Flare	Flare	Flare
Refrigerant Charge	lb (kg)	2.64 (1.20)	3.52 (1.60)	4.40 (2.00)	6.60 (3.00)
Suction Line OD	in (mm)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)	5/8 (15.88)
Liquid line OD	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8 (9.53)	3/8 (9.53)
COMPRESSOR					
Type (Number Used)		Rotary (1)	Rotary (1)	Rotary (1)	Scroll (1)
V/ph/Hz		220/1/50	220/1/50	220/1/50	220/1/50
RLA/LRA		6.16/28.0	8.00/43.00	11.30/55.00	17.10/100.00
Pressure Relief Valve		Optional	Optional	Optional	Optional
Internal Overload		Yes	Yes	Yes	Yes
Over Current Relay		Optional	Optional	Optional	Optional
LP/ HP Switch		Optional	Optional	Optional	Optional
Crank Case Heater		Optional	Optional	Optional	Optional
Filter Dryer		Yes	Yes	Yes	Yes
COIL					
Coil Size (HxL)	in	19x22	26 x 31	26 x 31	26 x 31
	(mm)	(482.6x558.8)	(660.4 x 787.4)	(660.4 x 787.4)	(660.4 x 787.4)
Face Area	sq ft (m^2)	3.0 (0.28)	5.60 (0.52)	5.60 (0.52)	5.60 (0.52)
Tube Size OD	in (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
Tube Type (Rows)		Inner Grooved (2)	Inner Grooved (1)	Inner Grooved (1)	Inner Grooved (2)
Fin Type		Uncoated Louver		Uncoated Corrugated	
Fins per inch		18	18	18	18
FAN					
Fan Type (No. Used)		Propeller (1)	Propeller (1)	Propeller (1)	Propeller (1)
Diameter	in (mm)	15 (381)	18 (457.2)	18 (457.2)	18 (457.2)
No. of Blade		5	4	4	4
Pitch Angle	degree	25	25	30	30
Drive Type		Direct	Direct	Direct	Direct
Nominal Airflow[2]	cfm (cmh)	800 (1359)	1320 (2242)	1600 (2717)	1600 (2717)
MOTOR					
Motor Type		Permanent Split Capacitor	Permanent Split Capacitor	Permanent Split Capacitor	Permanent Split Capacitor
No. of Motor		1	1	1	1
Motor hp	hp (kW)	1/15 (0.04)	1/15 (0.048)	1/8 (0.110)	1/8 (0.110)
No. of Speed		1	1	1	1
Motor Speed	rpm	850	900	900	900
V/ph/Hz		220/1/50	220/1/50	220/1/50	220/1/50
RLA/LRA		0.43/0.62	0.47/0.93	0.97/1.76	0.97/1.76
DIMENSION (HxWxD)[4]					
Crated (Shipping)	in	22.4 x 29.9 x 15.4	29.72 x 36.90 x 15.80	29.72 x 36.90 x 15.80	29.72 x 36.90 x 15.80
	(mm)	(570.0 x 760.0 x 390.0)	(755 x 938 x 401)	(755 x 938 x 401)	(755 x 938 x 401)
Uncrated (Net)	in	20.9 x 27.6 x 9.8	27.24 x 32.70 x 13.00	27.24 x 32.70 x 13.00	27.24 x 32.70 x 13.00
	(mm)	(530.6 x 700.0 x 250.0)	(692 x 830 x 330)	(692 x 830 x 330)	(692 x 830 x 330)
WEIGHT					
Crated (Shipping)	lb (kg)	83.6 (38)	119.0 (54.1)	133.1 (60.5)	144.5 (65.7)
Uncrated (Net)	lb (kg)	79.2 (36)	108.0 (49.1)	122.1 (55.5)	133.5 (60.7)

1 MCA- Minimum Circuit Ampacity ; calculated as follow : 125 % of compressor R.L.Amps plus the condenser fan motor R.L.A. Amps

2 CFM is rated with standard air-dry coil.

3 At ARI system rating conditions 80°F-DB/67°F-WB indoor & 95°F-DB outdoor

4 For uncrated, outdoor unit's width and depth do not include the size of the mounting feet.

General Data

Outdoor Units

UNIT MODELS		TTK536KB00FA	TTK536KD00FA	TTK042KD00CA	TTK048KD00EA	TTK060KD00EA
POWER CONNECTION	V/ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
MCA[1]	A	25.1	10.0	11.2	12.0	13.4
Fuse Size -Max. (amps)		Per Local Codes	Per Local Codes	Per Local Codes	Per Local Codes	Per Local Codes
SYSTEM DATA						
Refrigerant Type		R-22	R-22	R-22	R-22	R-22
No. Refrigerant Circuits		1	1	1	1	1
Refrigerant Connection Type		Flare	Flare	Brazed	Brazed	Brazed
Refrigerant Charge	lb (kg)	7.48 (3.40)	7.48 (3.40)	8.14 (3.70)	10.34 (4.70)	11.44 (5.20)
Suction Line OD	in (mm)	3/4 (19.05)	3/4 (19.05)	7/8 (22.23)	1-1/8 (28.6)	1-1/8 (28.6)
Liquid line OD	in (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
COMPRESSOR						
Type (Number Used)		Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)
V/ph/Hz		220/1/50	380/3/50	380/3/50	380/3/50	380/3/50
RLA/LRA		19.3/114.0	7.2/48.0	8.2/61.8	8.9/65.5	10.0/74.0
Pressure Relief Valve		Optional	Optional	Yes	Yes	Yes
Internal Overload		Yes	Yes	Yes	Yes	Yes
Over Current Relay		Optional	Optional	Optional	Optional	Optional
LP/ HPSwitch		Optional	Optional	Yes	Yes	Yes
Crank Case Heater		Optional	Optional	Optional	Optional	Optional
Filter Dryer		Yes	Yes	Yes	Yes	Yes
COIL						
Coil Size (HxL)	in	30x35	30x35	30x35	48x35	48x35
	(mm)	762x889	762x889	762x889	1219.2x889	1219.2x889
Face Area	sq ft (m^2)	7.29 (0.68)	7.29 (0.68)	7.29 (0.68)	11.67 (1.08)	11.67 (1.08)
Tube Size OD	in (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
Tube Type (Rows)		Inner Grooved (2)	Inner Grooved (2)	Inner Grooved (2)	Smooth (2)	Inner Grooved (2)
Fin Type		Uncoated Corrugated	Uncoated Corrugated	Uncoated Corrugated	Uncoated Corrugated	Uncoated Corrugated
Fins per inch		16	16	20	17	21
FAN						
Fan Type (No. Used)		Propeller (1)	Propeller (1)	Propeller (1)	Propeller (2)	Propeller (2)
Diameter	in (mm)	20 (508.0)	20 (508.0)	20 (508.0)	18 (457.2)	18 (457.2)
No. of Blade		4	4	4	4	4
Pitch Angle	degree	30	30	30	25	25
Drive Type		Direct	Direct	Direct	Direct	Direct
Nominal Airflow2	cfm (cmh)	2130 (3619)	2130 (3619)	2130 (3619)	2700 (4588)	2700 (4588)
MOTOR						
Motor Type		Permanent Split Capacitor	Permanent Split Capacitor	Permanent Split Capacitor	Permanent Split Capacitor	Permanent Split Capacitor
No. of Motor		1	1	1	2	2
Motor hp	hp (kW)	1/6 (0.113)	1/6 (0.113)	1/6 (0.113)	1/8 (0.110)	1/8 (0.110)
No. of Speed		1	1	1	1	1
Motor Speed	rpm	900	900	900	900	900
V/ph/Hz		220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
RLA/LRA		1.03/1.79	1.03/1.79	1.03/1.79	0.97/1.76	0.97/1.76
DIMENSION (HxWxD)[4]						
Crated (Shipping)	in	33.8 x 45.0 x 16.9	33.8 x 45.0 x 16.9	33.8 x 45.0 x 16.9	54.0 x 44.5 x 17.7	54.0 x 44.5 x 17.7
	(mm)	(858 x 1144 x 430)	(858 x 1144 x 430)	(858 x 1144 x 430)	(1371 x 1131 x 450)	(1371 x 1131 x 450)
Uncrated (Net)	in	31.3 x 40.0 x 14.2	31.3 x 40.0 x 14.2	31.3 x 40.0 x 14.2	49.4 x 38.9 x 13.8	49.4 x 38.9 x 13.8
	(mm)	(795 x 1018 x 360)	(795 x 1018 x 360)	(795 x 1018 x 360)	(1254 x 988 x 350)	(1254 x 988 x 350)
WEIGHT						
Crated (Shipping)	lb (kg)	196.7 (89.4)	192.7 (87.6)	207.7 (94.4)	222.4 (101.1)	229.0 (104.1)
Uncrated (Net)	lb (kg)	180.8 (82.2)	176.9 (80.4)	191.8 (87.2)	200.4 (91.1)	207.0(94.1)

1 MCA- Minimum Circuit Ampacity ; calculated as follow : 125 % of compressor R.L.Amps plus the condenser fan motor R.L.Amps.

2 CFM is rated with standard air-dry coil.

3 AT ARI system rating conditions 80°F-DB/ 67°F-WB indoor & 95°F-DB outdoor

4 For uncrated, outdoor unit's width and depth do not include the size of the mounting feet

General Data

Outdoor Units

TTB5 Product Specifications [1,2]

Model	TTB510CA00	TTB515CA00	TTB520CA00
Power Conn. - Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50
Min. Brch. Cir. Ampacity [3]	11	11	14
Br. Cir. Max. (Amps)	15	15	20
Prot. Rtg. Recmd. (Amps)	15	15	20
Compressor	CLIMATUFF ®	CLIMATUFF ®	CLIMATUFF ®
No. Used - No. Speeds	1 - 1	1 - 1	1 - 1
Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50
R.L. Amps - L.R. Amps	7.7 - 45	7.7 - 45	9.6 - 66
Voltage Utilization Range	180-253	180-253	180-253
Brch. Cir. Selec. Cur. Amps	7.7	7.7	9.6
Outdoor Fan - Type	PROPELLER	PROPELLER	PROPELLER
Diameter In. (mm)- No. Used	13.7 (348) - 1	13.7 (348) - 1	13.7 (348) - 1
Type Drive - No. Speeds	DIRECT- 1	DIRECT- 1	DIRECT- 1
CFM (L/s)@ 0.0 in. w.g. [4]	1250 (590)	1250 (590)	1300 (614)
No. Motors	1	1	1
Motor HP(W)	1/8 (93)	1/8 (93)	1/8 (93)
Motor Speed (RPM)	1620	1620	1620
Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50
F.L. Amps	1.1	1.1	1.1
Outdoor Coil - Type	SPINE FIN™	SPINE FIN™	SPINE FIN™
Rows - Fins/In. (Fins/mm)	1 - 24 (1)	1 - 24 (1)	1 - 24 (1)
Face Area - ft2 (m2)	6.62 (.62)	6.62 (.62)	6.62 (.62)
Tube Size In. (mm)	3/8 (10)	3/8 (10)	3/8 (10)
Refrigerant			
R-22 O.D. Unit [5] - Lbs.	2.4	3.2	3.6
kg. of R-22	1.08	1.45	1.64
Line Size - OD Gas [6] - In. (mm)	5/8 (16)	5/8 (16)	3/4 (20)
Line Size - OD Liq. [6] - In. (mm)	1/4 (6.35) (16)	1/4 (6.35) (16)	5/16 (8)
Dimensions	H x W x D	H x W x D	H x W x D
Crated - In.	24 3/4 x 20 x 20	24 3/4 x 20 x 20	24 3/4 x 20 x 20
- (mm)	(629 x 508 x 508)	(629 x 508 x 508)	(629 x 508 x 508)
Uncrated	See Outline Dwg.	See Outline Dwg.	See Outline Dwg.
Weight			
Shipping - Lbs. (kg)	118 (53.5)	118 (53.5)	121 (54.9)
Net - Lbs. (kg)	112 (50.8)	112 (50.8)	117 (53.1)

NOTES:

1. RATED IN ACCORDANCE WITH A.R.I. STANDARD 210/240
2. RATED IN ACCORDANCE WITH A.R.I. STANDARD 270
3. CALCULATED IN ACCORDANCE WITH NATIONALELECTRIC CODE. SUITABLE FOR USE WITH HACR CIRCUITBREAKERS OR FUSES.
4. STANDARD AIR - DRY COIL- OUTDOOR
5. THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNITNAMEPLATE AND SERVICE INSTRUCTIONS.
6. MAX. LINEAR LENGTH 80 FT; MAX. LIFT- SUCTION 60 FT; MAX. LIFT- LIQUID 60 FT; MAX. LENGTH PRECHARGED TUBING 50 FT. FOR GREATER LENGTH REFER TO REFRIGERANTPIPING MANUALPUB. NO. 32-3009.

General Data

TTB/2TTB Product Specifications[1][2]

Model	2TTB0524AA000A	2TTB0530AA000A	2TTB0536AA000A
Power Conn. - Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50
Fuse Size - max. amps			
Min. Brch. Cir. Ampacity	16	17	26
Br. Cir. Max. } (Amps)	25	25	40
Prot. Rtg. } Min. (Amps)	20	20	40
Compressor - Type	CLIMATUFF ®	CLIMATUFF ®	CLIMATUFF ®
No. Used - No. Speeds	1 - 1	1 - 1	1 - 1
Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50
R.L. Amps[6] - L.R. Amps	12.2 - 74.8	12.9 - 77.9	19.9 - 124
Outdoor Fan - Type	PROPELLER	PROPELLER	PROPELLER
No. Used	1	1	1
Diameter in. (mm)	19 (483)	19 (483)	19 (483)
Type Drive - No. Speeds	DIRECT - 1	DIRECT - 1	DIRECT- 1
CFM @ 0.0 in. w.g.[3]	1825	1825	2075
(M) 3/HR. @ 0.0 mm w.g.[3]			
CMH @ 0.0 mm. w.g.[3]	3103	3103	3528
No. Motors - HP	1 - 1/8	1 - 1/8	1 - 1/4
Motor Speed (RPM)	1075	1075	1075
Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50
F.L. Amps	0.9	0.9	1.3
Outdoor Coil - Type	SPINE FIN™	SPINE FIN™	SPINE FIN™
No. Rows	1	1	1
Fins/in. (mm)	24 (0.945)	24 (0.945)	24 (0.945)
Face Area sq ft (sq m)	9.72 (0.90)	9.72 (0.90)	11.32 (1.05)
Tube Size in. (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
Refrigerant			
R-22 (O.D. Unit)[4] - lbs. (kg)	4-LBS., 0-OZ. (1.82)	4-LBS., 12-OZ. (2.16)	5-LBS., 15-OZ. (2.70)
Factory Supplied	YES	YES	YES
Line Size - OD Gas[5] in. (mm)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)
Line Size - OD Liq.[5] in. (mm)	5/16 (7.94)	3/8 (9.53)	3/8 (9.53)
FCCV			
Restrictor Orifice Size in.(mm)	.059	.065	.069
Dimensions (H x W x D)			
Crated - in.	30.1 x 26.7 x 30.2	30.1 x 26.7 x 30.2	33.2 x 26.7 x 30.2
- (mm)	(765 x 678 x 767)	(765 x 678 x 767)	(843 x 678 x 767)
Uncrated			
Weight lbs. (kg)			
Shipping	175 (79.5)	178 (80.9)	215 (97.7)
Net	156 (70.9)	159 (72.3)	195 (88.6)

NOTES:

1. RATING CONDITIONS (COOLING): 80F (27C) D.B. 67F (20C) W.B. ENTERING AIR TO INDOOR COILOF APPLICABLE TYPE.
   95F (35C) D.B. ENTERING AIR TO OUTDOOR COIL.
   INDOOR COILAND UNITCONNECTED BY25 FT. (7.62 METERS) TUBING.
2. RATING CONDITIONS (HEATING): 70F (21C) D.B. ENTERING AIR TO INDOOR COIL; 47F (8C) D.B.
   43F (6C) W.B. ENTERING AIR TO OUTDOOR COIL.
   NO SUPPLEMENTARY HEAT INCLUDED.
3. STANDARD AIR - DRY COIL- OUTDOOR
4. THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNITNAMEPLATE AND SERVICE INSTRUCTIONS.
5. MAX. OF 80 FT. (24.38 METERS) TOTALMEASURED LENGTH INCLUDING 60 FT. (18.29 METERS) MAX. LIFTBETWEEN O.D. AND I.D. SECTIONS.
6. THIS VALUE SHOWN FOR COMPRESSOR RLAON THE UNITNAMEPLATE AND ON THIS SPECIFICATION SHEETIS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITYAND MAX. FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUITSELECTION CURRENT.

General Data

2TTA

2TTA Product Specifications[1,2]

Model	2TTA0030AD000A	2TTA0040AD000A	2TTA0050AD000A	2TTA0060AD000A
Power Conn. - Volts/Ph/Hz	380/415/3/50	380/415/3/50	380/415/3/50	380/415/3/50
Fuse Size - max. amps				
Min. Brch. Cir. Ampacity	7	9	12	14
Br. Cir. Max. } (Amps)	15	15	20	20
Prot. Rtg. } Min. (Amps)	15	15	20	20
Compressor - Type	CLIMATUFF ®	CLIMATUFF ®	CLIMATUFF ®	CLIMATUFF ®
No. Used - No. Speeds	1 - 1	1 - 1	1 - 1	1 - 1
Volts/Ph/Hz	380/415/3/50	380/415/3/50	380/415/3/50	380/415/3/50
R.L. Amps[6] - L.R. Amps	8.3 - 46	10 - 51	14 - 70	9 - 73
Outdoor Fan - Type	PROPELLER	PROPELLER	PROPELLER	PROPELLER
No. Used	1	1	1	1
Diameter in. (mm)	19 (483)	19 (483)	23 (584)	27.6 (701)
Type Drive - No. Speeds	DIRECT - 1	DIRECT - 1	DIRECT - 1	DIRECT - 1
CFM @ 0.0 in. w.g.[3]	2075	2075	3075	3525
(M) 3/HR. @ 0.0 mm w.g.[3]				
CMH @ 0.0 mm. w.g.[3]	3528	3528	5228	5993
No. Motors - HP	1 - 1/4	1 - 1/4	1 - 1/4	1 - 1/6
Motor Speed (RPM)	1075	1075	825	825
Volts/Ph/Hz	380/415/3/50	380/415/3/50	380/415/3/50	380/415/3/50
F.L. Amps	0.7	0.7	1.00	0.7
Outdoor Coil - Type	SPINE FIN™	SPINE FIN™	SPINE FIN™	SPINE FIN™
No. Rows	1	1	1	1
Fins/in. (mm)	24 (0.945)	24 (0.945)	24 (0.945)	24 (0.945)
Face Area sq ft (sq m)	11.32 (1.05)	13.75 (1.28)	18.75 (1.74)	27.75 (2.59)
Tube Size in. (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
Refrigerant				
R-22 (O.D. Unit)[4] - lbs. (kg)	5-LBS., 15-OZ. (2.70)	6-LBS., 13-OZ. (3.10)	7-LBS., 7-OZ. (3.38)	10-LBS., 0-OZ. (4.55)
Factory Supplied	YES	YES	YES	YES
Line Size - OD Gas[5] in. (mm)	7/8 (22.2)	1-1/8 (28.54)	1-1/8 (28.54)	1-1/8 (28.54)
Line Size - OD Liq.[5] in. (mm)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
FCCV				
Restrictor Orifice Size in.(mm)	.069	.075	.083	.089
Dimensions (H x W x D)			H X W X D	
Crated - in.	33.2 x 26.7 x 30.2	33.2 x 26.7 x 30.2	38 x 30.1 x 33.8	46.4 x 35.1 x 38.7
- (mm)	(843 x 678 x 767)	(843 x 678 x 767)	(965 x 765 x 859)	(1179 x 892 x 983)
Uncrated				
Weight lbs. (kg)				
Shipping	207 (94.1)	216 (98.2)	254 (115.5)	298 (135.5)
Net	187 (85.0)	196 (89.1)	227 (103.2)	263 (119.5)

NOTES:

1. RATING CONDITIONS (COOLING): 80F (27C) D.B. 67F (20C) W.B. ENTERING AIR TO INDOOR COILOF APPLICABLE TYPE.
   95F (35C) D.B. ENTERING AIR TO OUTDOOR COIL.
   INDOOR COILAND UNITCONNECTED BY25 FT. (7.62 METERS) TUBING.
2. RATING CONDITIONS (HEATING): 70F (21C) D.B. ENTERING AIR TO INDOOR COIL; 47F (8C) D.B.
   43F (6C) W.B. ENTERING AIR TO OUTDOOR COIL.
   NO SUPPLEMENTARY HEAT INCLUDED.
3. STANDARD AIR - DRY COIL- OUTDOOR
4. THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNITNAMEPLATE AND SERVICE INSTRUCTIONS.
5. MAX. OF 80 FT. (24.38 METERS) TOTALMEASURED LENGTH INCLUDING 60 FT. (18.29 METERS) MAX. LIFTBETWEEN O.D. AND I.D. SECTIONS.
6. THIS VALUE SHOWN FOR COMPRESSOR RLAON THE UNITNAMEPLATE AND ON THIS SPECIFICATION SHEETIS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITYAND MAX. FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUITSELECTION CURRENT.

Performance Data

Fan coil Airflow (CFM) versus. External Static Pressure (in.wg)

Table 5 - Indoor Fan Performance

MCD512DB

	AIR FLOW (CFM)								
SPEED	200	225	250	275	300	325	350	375	400
EXTRALOW	0.11	0.08	0.05	0.03					
LOW	0.17	0.15	0.11	0.08	0.04	0.00			
MED	0.23	0.20	0.18	0.15	0.11	0.08	0.04	0.00	
HIGH	0.31	0.29	0.28	0.26	0.24	0.21	0.19	0.16	0.12

MCD518DB

	AIR FLOW (CFM)								
SPEED	300	350	400	450	475	500	525	550	600
EXTRALOW	0.17	0.10	0.00						
LOW	0.23	0.19	0.12	0.03					
MED	0.28	0.24	0.19	0.13	0.09	0.06	0.01		
HIGH	0.31	0.28	0.25	0.20	0.16	0.13	0.09	0.05	0.00

MCD524DB

	AIR FLOW (CFM)								
SPEED	400	450	500	550	600	650	700	750	800
EXTRALOW	0.25	0.00							
LOW	0.38	0.30	0.20	0.00					
MED	0.44	0.38	0.32	0.24	0.15	0.04			
HIGH	0.54	0.50	0.46	0.40	0.33	0.27	0.21	0.15	0.08

MCD530DB

	AIR FLOW (CFM)								
SPEED	500	600	700	750	800	850	900	950	1000
EXTRALOW	0.27	0.07							
LOW	0.44	0.32	0.20	0.14	0.08	0.02			
MED	0.50	0.40	0.30	0.25	0.20	0.15	0.10	0.04	0.00
HIGH	0.55	0.46	0.37	0.33	0.37	0.23	0.18	0.13	0.09

MCD536DB

	AIR FLOW (CFM)								
SPEED	600	700	800	850	900	950	1000	1050	1100
EXTRALOW	0.29	0.16	0.00						
LOW	0.40	0.32	0.21	0.14	0.09	0.01			
MED	0.46	0.39	0.31	0.27	0.21	0.17	0.11	0.05	
HIGH	0.50	0.43	0.36	0.31	0.26	0.22	0.16	0.11	0.04

Performance Data

Fan coil Airflow (CFM) versus. External Static Pressure (in.wg)

Indoor Fan Performance Table

MCD 048

	AIR FLOW (CFM)								
SPEED	700	800	900	1050	1200	1300	1400	1500	1600
EXTRALOW	0.53	0.44	0.35	0.2	0.05				
LOW	0.62	0.54	0.45	0.35	0.2	0.1			
MED	0.69	0.61	0.54	0.45	0.35*	0.26	0.16	0.05	
HIGH	0.75	0.69	0.6	0.51	0.43	0.36	0.29	0.21	0.15*

MCD 060

	AIR FLOW (CFM)								
SPEED	1000	1100	1250	1400	1500	1600	1800	1900	2000
EXTRALOW	0.43	0.33	0.19	0.05					
LOW	0.56	0.5	0.39	0.25	0.15	0.05			
MED	0.66	0.61	0.52	0.44	0.36*	0.27	0.1		
HIGH	0.72	0.68	0.61	0.53	0.49	0.43	0.35	0.24	0.18*-

Performance Data
Cooling

English Units

TTK512PB WITH MCD512DBP AT 300 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	11.2	7.9	8.6	9.3	9.9	10.3	0.94
	65	12.1	6.6	7.3	7.9	8.6	9.3	0.98
	67	12.6	5.9	6.5	7.2	7.9	8.6	0.99
	71	13.5	4.4	5.1	5.7	6.4	7.1	1.04
95	61	10.9	7.8	8.5	9.2	9.7	10.3	1.02
	65	11.8	6.4	7.1	7.8	8.5	9.1	1.06
	67	12.2	5.7	6.4	7.1	7.7	8.4	1.08
	71	13.1	4.3	4.9	5.4	6.3	7.0	1.12
105	61	10.5	7.5	8.2	8.8	9.4	9.9	1.11
	65	11.3	6.2	6.8	7.5	8.2	8.9	1.15
	67	11.7	5.5	6.1	6.8	7.5	8.2	1.17
	71	12.6	4.7	4.7	5.4	6.0	6.7	1.22
115	61	10.0	7.3	8.0	8.6	9.1	9.6	1.20
	65	10.8	6.0	6.6	7.3	8.0	8.6	1.25
	67	11.2	5.2	5.9	6.6	7.3	7.9	1.27
	71	12.1	3.8	4.5	5.1	5.8	6.5	1.31

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **12.2 MBH**
AIRFLOW: **300 CFM**
SYSTEM POWER: **1290 WATTS**
NOM. SYSTEM AMPS: **5.8 AMPS**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	250	350
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.94	x 1.07

TTK518PB WITH MCD518DBP AT 450 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	16.9	10.7	11.7	12.6	13.4	14.0	1.52
	65	18.3	8.9	9.8	10.7	11.7	12.6	1.58
	67	19.0	7.9	8.8	9.8	10.7	11.6	1.61
	71	20.4	5.9	6.9	7.7	8.7	9.6	1.68
95	61	16.4	10.6	11.5	12.4	13.2	14.0	1.65
	65	17.7	8.7	9.6	10.6	11.5	12.4	1.72
	67	18.4	7.7	8.7	9.6	10.5	11.4	1.75
	71	19.8	5.8	6.7	7.6	8.5	9.5	1.82
105	61	15.8	10.2	11.1	12.0	12.7	13.4	1.80
	65	17.0	8.4	9.3	10.2	11.1	12.0	1.87
	67	17.7	7.4	8.3	9.2	10.1	11.0	1.90
	71	19.0	6.3	6.4	7.2	8.2	9.1	1.98
115	61	15.1	9.9	10.8	11.6	12.4	13.0	1.94
	65	16.3	8.1	9.0	9.9	10.8	11.7	2.02
	67	16.9	7.1	8.0	8.9	9.8	10.7	2.05
	71	18.2	5.2	6.0	6.9	7.9	8.8	2.13

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **18.4 MBH**
AIRFLOW: **450 CFM**
SYSTEM POWER: **1958 WATTS**
NOM. SYSTEM AMPS: **8.4 AMPS**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	400	500
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.04

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

TTK524PB WITH MCD524DBP AT 600 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	22.6	14.7	16.0	17.2	18.4	19.1	2.03
	65	24.4	12.2	13.5	14.7	16.0	17.2	2.12
	67	25.4	10.9	12.1	13.4	14.6	15.9	2.16
	71	27.2	8.1	9.4	10.6	11.9	13.1	2.24
95	61	22.0	14.5	15.7	17.0	18.0	19.1	2.20
	65	23.7	11.9	13.2	14.5	15.7	16.9	2.29
	67	24.6	10.6	11.9	13.1	14.4	15.6	2.34
	71	26.4	7.9	9.1	10.4	11.6	12.9	2.43
105	61	21.1	14.0	15.2	16.4	17.4	18.4	2.40
	65	22.8	11.5	12.7	13.9	15.2	16.4	2.49
	67	23.7	10.1	11.3	12.6	13.8	15.1	2.54
	71	25.4	8.7	8.7	9.9	11.2	12.4	2.64
115	61	20.2	13.6	14.8	15.9	16.9	17.8	2.60
	65	21.8	11.0	12.3	13.5	14.8	16.0	2.70
	67	22.6	9.7	11.0	12.2	13.4	14.7	2.75
	71	24.3	7.1	8.3	9.5	10.8	12.0	2.85

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **24.6 MBH**
AIRFLOW: **600 CFM**
SYSTEM POWER: **2638 WATTS**
NOM. SYSTEM AMPS: **12.4 AMPS**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	525	675
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.04

TTK530KB WITH MCD530DBP AT 750 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	28.7	19.9	21.6	23.2	24.8	25.8	2.71
	65	31.0	16.5	18.2	19.8	21.6	23.2	2.82
	67	32.2	14.7	16.3	18.1	19.7	21.4	2.87
	71	34.6	10.9	12.7	14.3	16.1	17.7	2.99
95	61	27.9	19.6	21.2	23.0	24.4	25.8	2.94
	65	30.1	16.1	17.8	19.5	21.2	22.9	3.06
	67	31.3	14.3	16.0	17.7	19.4	21.2	3.12
	71	33.6	10.7	12.3	14.0	15.7	17.5	3.24
105	61	26.8	18.9	20.5	22.1	23.5	24.8	3.20
	65	29.0	15.5	17.1	18.8	20.5	22.2	3.33
	67	30.1	13.7	15.3	17.0	18.7	20.4	3.39
	71	32.2	11.7	11.8	13.4	15.1	16.8	3.52
115	61	25.7	18.3	20.0	21.5	22.8	24.0	3.47
	65	27.7	14.9	16.6	18.2	19.9	21.6	3.60
	67	28.8	13.1	14.9	16.4	18.2	19.8	3.66
	71	30.9	9.5	11.2	12.8	14.5	16.2	3.79

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **31.3 MBH**
AIRFLOW: **750 CFM**
SYSTEM POWER: **3550 WATTS**
NOM. SYSTEM AMPS: **17.7 AMPS**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	700	800
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.02

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

TTK536KB WITH MCD536DBP AT 900 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	33.7	23.5	25.5	27.5	29.4	30.5	3.17
	65	36.3	19.4	21.5	23.4	25.5	27.4	3.30
	67	37.7	17.3	19.3	21.3	23.3	25.3	3.36
	71	40.5	12.9	15.0	16.9	19.0	21.0	3.50
95	61	32.7	23.2	25.1	27.1	28.8	30.5	3.44
	65	35.3	19.1	21.0	23.1	25.0	27.0	3.58
	67	36.6	16.9	18.9	20.9	22.9	24.9	3.65
	71	39.3	12.6	14.6	16.6	18.5	20.6	3.79
105	61	31.4	22.3	24.3	26.2	27.8	29.4	3.75
	65	33.9	18.3	20.2	22.3	24.2	26.2	3.89
	67	35.2	16.2	18.1	20.1	22.1	24.1	3.96
	71	37.7	13.8	13.9	15.8	17.9	19.8	4.12
115	61	30.0	21.7	23.6	25.4	27.0	28.4	4.06
	65	32.4	17.6	19.6	21.6	23.6	25.5	4.21
	67	33.7	15.5	17.6	19.4	21.5	23.4	4.29
	71	36.2	11.3	13.2	15.2	17.2	19.1	4.44

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 26.5/19.5 & 35 C

GROSS CAPACITY: **36.6 MBH**
AIRFLOW: **900 CFM**
SYSTEM POWER: **4100 WATTS**
NOM. SYSTEM AMPS: **8.4 AMPS**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	750	975
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.07

TTK536KD WITH MCD536DBP AT 900 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	34.1	23.8	25.9	27.8	29.7	30.9	3.05
	65	36.8	19.7	21.7	23.7	25.8	27.8	3.17
	67	38.3	17.5	19.6	21.6	23.6	25.6	3.23
	71	41.1	13.1	15.2	17.1	19.2	21.2	3.37
95	61	33.2	23.4	25.4	27.5	29.1	30.8	3.31
	65	35.8	19.3	21.3	23.3	25.3	27.4	3.44
	67	37.1	17.1	19.2	21.2	23.2	25.2	3.51
	71	37.9	12.8	14.7	16.8	18.8	20.9	3.65
105	61	31.8	22.6	24.6	26.5	28.1	29.7	3.60
	65	34.4	18.5	20.5	22.5	24.5	26.5	3.74
	67	35.7	16.4	18.3	20.4	22.3	24.4	3.81
	71	38.3	14.0	14.1	16.0	18.1	20.1	3.96
115	61	30.4	21.9	23.9	25.7	27.3	28.7	3.90
	65	32.9	17.8	19.9	21.8	23.9	25.8	4.05
	67	34.1	15.7	17.8	19.7	21.7	23.7	4.12
	71	36.7	11.4	13.4	15.3	17.4	19.4	4.27

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 26.5/19.5 & 35 C

GROSS CAPACITY: **37.1 MBH**
AIRFLOW: **900 CFM**
SYSTEM POWER: **3960 WATTS**
NOM. SYSTEM AMPS: **8.4 AMPS**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	750	975
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.07

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

TTK042KD WITH MCD048DBP AT 1600 CFM GROSS CAPACITY IN BTU/H X 1000**

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	38.7	33.5	36.4	39.2*	41.9*	43.5*	3.76
	65	41.8	27.7	30.6	33.4	36.3	39.1	3.91
	67	43.8	24.7	27.5	30.4	33.2	36.1	3.99
	71	46.6	18.4	21.4	24.1	27.1	29.9	4.15
95	61	37.6	33.0	35.8	38.7*	41.1*	43.5*	4.08
	65	40.6	27.2	30.0	32.9	35.7	38.6	4.24
	67	42.1	24.1	27.0	29.8	32.7	35.5	4.33
	71	45.3	18.0	20.7	23.7	26.4	29.4	4.50
105	61	36.1	31.8	34.6	37.3*	39.6*	41.9*	4.45
	65	39.0	26.1	28.9	31.7	34.5	37.4	4.62
	67	40.5	23.1	25.8	28.7	31.5	34.4	4.70
	71	43.4	19.7	19.8	22.6	25.5	28.2	4.89
115	61	34.5	30.9	33.6	36.1*	38.5*	40.5*	4.81
	65	37.3	25.1	28.0	30.7	33.6	36.4	5.00
	67	38.7	22.1	25.0	27.7	30.6	33.4	5.08
	71	41.6	16.1	18.8	21.6	24.5	27.3	5.27

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **42.1 MBH**
AIRFLOW: **1400 CFM**
SYSTEM POWER: **5095 WATTS**
NOM. SYSTEM AMPS: **11.4 AMPS**

NETEER (*BTU/W-HR): 7.9

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1400	1625
TOTALCAP.	x 0.99	x 1.00
SENS. CAP.	x 0.96	x 1.01

TTK048KD WITH MCD048DBP AT 1600 CFM GROSS CAPACITY IN BTU/H X 1000**

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	46.2	37.3	40.6	43.7	46.7*	48.5*	4.38
	65	49.8	30.9	34.2	37.3	40.5	43.6	4.57
	67	51.8	27.5	30.7	34.0	37.1	40.3	4.65
	71	55.6	20.6	23.8	26.9	30.2	33.3	4.84
95	61	44.9	36.8	39.9	43.1	45.8*	48.5*	4.76
	65	48.4	30.3	33.4	36.7	39.8	43.0	4.95
	67	50.2	26.8	30.1	33.3	36.4	39.6	5.05
	71	54.0	20.1	23.1	26.4	29.5	32.8	5.25
105	61	43.0	35.4	38.6	41.6	44.2*	46.7*	5.19
	65	46.5	29.1	32.2	35.4	38.5	41.7	5.38
	67	48.3	25.7	28.8	32.0	35.1	38.3	5.48
	71	51.8	22.0	22.1	25.2	28.4	31.5	5.70
115	61	41.2	34.5	37.5	41.3	42.9*	45.2*	5.61
	65	44.5	28.0	31.2	34.3	37.5	40.6	5.83
	67	46.2	24.6	27.9	30.9	34.1	37.2	5.93
	71	49.6	17.9	21.0	24.1	27.3	30.4	6.14

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **50.2 MBH**
AIRFLOW: **1600 CFM**
SYSTEM POWER: **5850 WATTS**
NOM. SYSTEM AMPS: **12.6 AMPS**

NETEER (*BTU/W-HR): 8.2

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1400	1625
TOTALCAP.	x 0.99	x 1.00
SENS. CAP.	x 0.96	x 1.01

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

TTK060KD WITH MCD060DBP AT 2000 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	55.3	45.4	49.4	53.1	56.7*	58.9*	5.56
	65	59.7	37.6	41.5	45.3	49.2	53.0	5.79
	67	62.0	33.5	37.3	41.2	45.0	48.9	5.90
	71	66.6	25.0	29.0	32.7	36.7	40.5	6.15
95	61	53.8	44.7	48.5	52.4	55.6*	58.9*	6.04
	65	58.0	36.8	40.6	44.6	48.3	52.2	6.28
	67	60.2	32.6	36.6	40.4	44.3	48.1	6.41
	71	64.7	24.4	28.1	32.1	35.8	39.9	6.66
105	61	51.6	43.0	46.9	50.5	53.6*	56.7*	6.58
	65	55.7	35.3	39.1	43.0	46.8	50.7	6.83
	67	57.9	31.2	35.0	38.9	42.6	46.6	6.96
	71	62.0	26.7	26.8	30.6	34.5	38.3	7.24
115	61	49.4	41.8	45.6	49.0	52.2*	54.8*	7.12
	65	53.3	34.0	37.9	41.6	45.5	49.3	7.40
	67	55.3	29.9	33.9	37.5	41.5	45.2	7.53
	71	59.5	21.7	25.5	29.3	33.2	37.0	7.79

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **60.2 MBH**
AIRFLOW: **2000 CFM**
SYSTEM POWER: **7315 WATTS**
NOM. SYSTEM AMPS: **15.4 AMPS**

NETEER (BTU/W-HR): 7.9

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1750	2250
TOTALCAP.	x 0.99	x 1.00
SENS. CAP.	x 0.95	x 1.05

TTB510CAWITH MCD512DBP AT 300 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	59	10.4	8.4	8.9	9.5	10.0	10.5	0.84
	63	11.3	7.4	7.9	8.5	9.0	9.6	0.87
	67	12.3	6.2	6.8	7.3	7.9	8.4	0.90
	71	13.2	5.0	5.6	6.1	6.7	7.3	0.92
90	59	10.4	8.4	9.0	9.5	10.1	10.5*	0.89
	63	11.4	7.4	7.9	8.5	9.1	9.6	0.92
	67	12.3	6.2	6.8	7.4	7.9	8.5	0.94
	71	13.3	5.1	5.6	6.2	6.7	7.3	0.97
95	59	10.5	8.4	9.0	9.5	10.1	10.6*	0.94
	63	11.4	7.4	8.0	8.5	9.1	9.6	0.96
	67	12.4	6.3	6.8	7.4	7.9	8.5	0.99
	71	13.4	5.1	5.7	6.2	6.8	7.3	1.02
100	59	10.2	8.3	8.8	9.4	9.9	10.3*	0.98
	63	11.1	7.3	7.8	8.4	8.9	9.5	1.00
	67	12.1	6.1	6.7	7.2	7.8	8.4	1.03
	71	13.1	5.0	5.5	6.1	6.6	7.2	1.05
105	59	9.9	8.1	8.7	9.2	9.8	10.1*	1.02
	63	10.8	7.1	7.7	8.2	8.8	9.4	1.04
	67	11.7	6.0	6.5	7.1	7.7	8.2	1.06
	71	12.7	4.8	5.4	5.9	6.5	7.0	1.09
115	59	9.4	7.9	8.4	9.0	9.4*	9.7*	1.10
	63	10.2	6.8	7.4	8.0	8.5	9.1	1.12
	67	11.1	5.7	6.3	6.8	7.4	7.9	1.14
	71	12.0	4.5	5.1	5.6	6.2	6.7	1.16
120	59	9.1	7.7	8.3	8.8	9.2*	9.5*	1.14
	63	9.9	6.7	7.3	7.8	8.4	8.9	1.15
	67	10.8	5.6	6.1	6.7	7.2	7.8	1.17
	71	11.6	4.4	4.9	5.5	6.0	6.6	1.19

VALUES AT 95/80/67 RATING CONDITIONS
GROSS CAPACITY= 12400 BTUH
AIRFLOW = 300 CFM
COMPRESSOR POWER = 990 WATTS
I.D. FAN POWER = 90 WATTS
O.D. FAN POWER = 130 WATTS
S.E.E.R. = 9.47 BTUH/WATT
E.E.R. = 10.25 BTUH/WATT

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	250	350
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.94	x 1.07

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTAL CAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

TTB515CAWITH MCD512DBP AT 300 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D. D.B.	I.D. W.B.	GROSS CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	74	76	78	80	COMPR. KW
85	59	11.0	8.2	8.8	9.3	9.9	10.5	0.96
	63	12.0	7.2	7.7	8.3	8.9	9.4	1.00
	67	13.1	6.0	6.6	7.1	7.7	8.9	1.04
	9.5	1.05	44.5	67	13.1	6.0	6.6	7.2
	71	14.2	4.8	5.4	6.0	6.5	7.1	1.08
90	59	11.0	8.2	8.8	9.3	9.9	10.5	1.01
	63	12.1	7.2	7.8	8.3	8.9	9.5	1.05
	67	13.1	6.0	6.6	7.2	7.7	8.7	1.09
	71	14.3	4.8	5.4	6.0	6.5	7.1	1.03
95	59	11.0	8.2	8.8	9.3	9.9	10.5	1.06
	63	12.1	7.2	7.8	8.3	8.9	9.5	1.10
	67	13.2	6.0	6.6	7.2	7.7	8.3	1.14
	71	14.3	4.8	5.4	6.0	6.6	7.1	1.18
100	59	11.0	8.2	8.7	9.3	9.9	10.4	1.12
	63	12.0	7.2	7.7	8.3	8.9	9.4	1.16
	67	13.1	6.0	6.6	7.1	7.7	8.3	1.20
	71	14.2	4.8	5.4	5.9	6.5	7.1	1.24
105	59	10.9	8.1	8.7	9.3	9.8	10.4	1.19
	63	11.9	7.1	7.7	8.3	8.8	9.4	1.22
	67	13.0	6.0	6.5	7.1	7.7	8.2	1.26
	71	14.1	4.8	5.3	5.9	3.5	7.1	1.31
115	59	10.7	8.1	8.6	9.2	9.8	10.3	1.31
	63	11.7	7.1	7.6	8.2	8.8	9.3	1.35
	67	12.8	5.9	6.5	7.0	7.6	8.2	1.39
	71	13.9	4.7	5.3	5.8	6.4	7.0	1.43

VALUES AT 95/80/67 RATING CONDITIONS
GROSS CAPACITY= 13200 BTUH
AIRFLOW = 300 CFM
COMPRESSOR POWER = 1142 WATTS
I.D. FAN POWER = 90 WATTS
O.D. FAN POWER = 130 WATTS
E.E.R. = 9.46 BTUH/WATT

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	250	350
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.94	x 1.07

TTB515CA WITH MCD518DBP AT 450 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D. D.B.	I.D. W.B.	GROSS CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	74	76	78	80	COMPR. KW
85	59	13.1	11.4	12.3	13.1	13.4*	13.8*	0.99
	63	14.2	9.9	10.7	11.6	12.4	13.2	1.03
	67	15.4	8.2	9.0	9.8	10.7	11.5	1.07
	71	16.6	6.5	7.3	8.1	8.9	9.7	1.12
90	59	13.1	11.4	12.2	13.0	13.4*	13.7*	1.04
	63	14.2	9.9	10.7	11.5	12.3	13.2	1.08
	67	15.4	8.2	9.0	9.8	10.6	11.4	1.13
	71	16.6	6.4	7.2	8.1	8.9	9.7	1.17
95	59	13.0	11.4	12.2	13.0*	13.4*	13.7*	1.10
	63	14.1	9.9	10.7	11.5	12.3	13.1	1.14
	67	15.3	8.2	9.0	9.8	10.6	11.4	1.18
	71	16.5	6.4	7.2	8.0	8.8	9.7	1.23
100	59	12.6	11.2	12.0	12.7*	13.0*	13.4*	1.14
	63	13.7	9.7	10.5	11.3	12.1	12.9	1.18
	67	14.8	7.9	8.8	9.6	10.4	11.2	1.23
	71	16.0	6.2	7.0	7.8	8.6	9.4	1.27
105	59	12.2	11.0	11.8	12.3*	12.7*	13.0*	1.19
	63	13.2	9.4	10.2	11.1	11.9	12.7	1.23
	67	14.3	7.7	8.5	9.3	10.2	11.0	1.27
	71	15.4	5.9	6.8	7.6	8.4	9.2	1.32
115	59	11.3	10.5	11.3*	11.6*	11.9*	12.3*	1.28
	63	12.3	9.0	9.8	10.6	11.4	12.2	1.32
	67	13.3	7.3	8.1	8.9	9.7	10.5	1.36
	71	14.3	5.5	6.3	7.1	7.9	8.7	1.40
120	59	10.9	10.3	11.0*	11.3*	11.6*	11.9*	1.33
	63	11.8	8.8	9.6	10.4	11.2	11.9*	1.37
	67	12.8	7.0	7.9	8.7	9.5	10.3	1.41
	71	13.8	5.3	6.1	6.9	7.7	8.5	1.45

VALUES AT 95/80/67 RATING CONDITIONS
GROSS CAPACITY= 15300 BTUH
AIRFLOW = 450 CFM
COMPRESSOR POWER = 1183 WATTS
I.D. FAN POWER = 110 WATTS
O.D. FAN POWER = 130 WATTS
S.E.E.R. = 10.27 BTUH/WATT
E.E.R. = 10.75 BTUH/WATT

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	400	500
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.04

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTAL CAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

TTB520CA WITH MCD518DBP AT 450 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D. D.B.	I.D. W.B.	GROSS CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	74	76	78	80	COMPR. KW
	59	15.5	12.5	13.3	14.1	14.9	15.6*	1.32
85	63	16.8	11.1	11.9	12.7	13.5	14.3	1.37
	67	18.1	9.4	10.2	11.0	11.8	12.6	1.42
	71	19.6	7.6	8.4	9.2	10.0	10.8	1.47
	59	15.5	12.5	13.3	14.2	15.0	15.6*	1.39
90	63	16.8	11.1	11.9	12.7	13.5	14.3	1.44
	67	18.2	9.4	10.2	11.0	11.8	12.6	1.49
	71	19.6	7.6	8.4	9.3	10.1	10.9	1.54
	59	15.5	12.6	13.4	14.2	15.0	15.6*	1.46
95	63	16.8	11.1	11.9	12.7	13.5	14.3	1.51
	67	18.2	9.4	10.2	11.0	11.8	12.6	1.56
	71	19.6	7.7	8.5	9.3	10.1	10.9	1.62
	59	15.0	12.3	13.1	13.9	14.7	15.2*	1.51
100	63	16.3	10.8	11.6	12.4	13.2	14.0	1.56
	67	17.6	9.1	9.9	10.7	11.5	12.3	1.61
	71	19.0	7.4	8.2	9.0	9.8	10.6	1.66
	59	14.5	12.0	12.8	13.6	14.4	14.8*	1.56
105	63	15.7	10.5	11.3	12.2	13.0	13.8	1.61
	67	17.0	8.9	9.7	10.5	11.3	12.1	1.66
	71	18.4	7.1	7.9	8.7	9.5	10.3	1.71
	59	13.4	11.5	12.3	13.1	13.6*	14.0*	1.66
115	63	14.6	10.0	10.8	11.6	12.4	13.2	1.71
	67	15.8	8.3	9.1	9.9	10.7	11.5	1.75
	71	17.1	6.6	7.4	8.2	9.0	9.8	1.80
	59	12.9	11.2	12.0	12.8	13.2*	13.6*	1.71
120	63	14.1	9.7	10.5	11.4	12.2	13.0	1.76
	67	15.2	8.1	8.9	9.7	10.5	11.3	1.80
	71	16.4	6.3	7.1	7.9	8.7	9.5	1.85

VALUES AT 95/80/67 RATING CONDITIONS
GROSS CAPACITY= 18200 BTUH
AIRFLOW = 450 CFM
COMPRESSOR POWER = 1562 WATTS
I.D. FAN POWER = 110 WATTS
O.D. FAN POWER = 130 WATTS
S.E.E.R. = 9.65 BTUH/WATT
E.E.R. = 10.10 BTUH/WATT

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	400	500
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.04

TTB520CA WITH MCD524DBP AT 600 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D. D.B.	I.D. W.B.	GROSS CAP.	SENS. CAP. AT ENTERING D.B. TEMP. 72	74	76	78	80	COMPR. KW
	59	16.6	13.9	15.1	16.2	16.9*	17.4*	1.38
85	63	18.0	11.7	12.9	14.0	15.2	46.3	1.43
	67	19.4	9.3	10.4	11.6	12.7	13.9	1.48
	71	20.9	6.8	8.0	9.1	10.2	11.4	1.53
	59	16.4	13.9	15.0	16.1	16.8*	19.2*	1.45
90	63	17.8	11.7	12.8	13.9	15.1	16.2	1.5
	67	19.2	9.2	10.4	11.5	12.6	13.8	1.55
	71	20.6	6.7	7.9	9.0	10.2	11.3	1.60
	59	16.3	13.6	14.9	16.1	16.7*	17.1*	1.51
95	63	17.6	11.6	12.7	13.9	15.0	16.1	1.56
	67	19.0	9.2	10.3	11.4	12.6	13.7	1.62
	71	20.6	6.7	7.8	8.9	10.1	11.2	1.67
	59	15.8	13.6	14.7	12.9*	16.3*	16.7*	1.58
100	63	17.1	11.4	12.5	13.7	14.8	16.0	1.63
	67	18.5	9.0	10.1	11.2	12.4	13.5	1.69
	71	19.9	6.5	7.6	8.7	9.9	11.0	1.74
	59	15.4	13.4	14.6	15.5*	15.9*	16.3*	1.65
105	63	16.6	11.2	12.4	13.5	14.6	15.8	1.70
	67	18.0	8.8	9.9	11.1	12.2	13.3	1.76
	71	19.3	6.3	7.4	8.6	9.7	10.8	1.81
	59	14.5	13.1	14.2	14.8*	15.2*	15.6*	1.80
115	63	15.7	10.9	12.4	13.1	14.3	15.4	1.85
	67	16.9	8.4	9.5	10.7	11.8	13.0	1.90
	71	18.2	5.9	7.1	8.2	9.3	10.5	1.96

VALUES AT 95/80/67 RATING CONDITIONS
GROSS CAPACITY= 19000 BTUH
AIRFLOW = 600 CFM
COMPRESSOR POWER = 1613 WATTS
I.D. FAN POWER = 190 WATTS
O.D. FAN POWER = 130 WATTS
E.E.R. = 9.44 BTUH/WATT

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	525	675
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.04

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

2TTB0524AA WITH MCD524DBP AT 600 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	22.1	15.4	16.7	18.0	19.2	20.0	1.79
	65	23.8	12.7	14.1	15.3	16.7	18.0	1.86
	67	24.7	11.3	12.6	14.0	15.3	16.6	1.90
	71	26.6	8.5	9.8	11.1	12.4	13.7	1.97
95	61	21.5	15.2	16.4	17.8	18.9	20.0	1.94
	65	23.1	12.5	13.8	15.1	16.4	17.7	2.02
	67	24.0	11.1	12.4	13.7	15.0	16.3	2.06
	71	25.8	8.3	9.5	10.9	12.1	13.5	2.14
105	61	20.6	14.6	15.9	17.1	18.2	19.2	2.11
	65	22.2	12.0	13.3	14.6	15.8	17.2	2.19
	67	23.1	10.6	11.8	13.2	14.5	15.8	2.23
	71	24.8	9.1	9.1	10.4	11.7	13.0	2.32
115	61	19.7	14.2	15.4	16.6	17.7	18.6	2.29
	65	21.3	11.5	12.8	14.1	15.4	16.7	2.37
	67	22.1	10.1	11.5	12.7	14.1	15.3	2.42
	71	23.7	7.4	8.6	9.9	11.2	12.5	2.50

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **24.0 MBH**
AIRFLOW: **600 CFM**
SYSTEM POWER: **2404 WATTS**
EER (BTU/W-HR): **10.0**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	525	675
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.04

2TTB0524AA WITH MCD530DBP AT 750 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	22.8	17.2	18.7	20.1	21.5	22.3	1.79
	65	24.6	14.2	15.7	17.1	18.6	20.0	1.87
	67	25.6	12.7	14.1	15.6	17.0	18.5	1.90
	71	27.5	9.5	11.0	12.4	13.9	15.3	1.98
95	61	22.2	16.9	18.3	19.8	21.1	22.3*	1.95
	65	23.9	13.9	15.4	16.9	18.3	19.8	2.02
	67	24.8	12.3	13.8	15.3	16.7	18.2	2.07
	71	26.7	9.2	10.6	12.1	13.5	15.1	2.15
105	61	21.3	16.3	17.7	19.1	20.3	21.5*	2.12
	65	23.0	13.4	14.8	16.3	17.7	19.2	2.20
	67	23.9	11.8	13.2	14.7	16.1	17.6	2.24
	71	25.6	10.1	10.2	11.6	13.1	14.5	2.33
115	61	20.4	15.8	17.2	18.5	19.7	20.8*	2.29
	65	22.0	12.9	14.3	15.8	17.2	18.6	2.38
	67	22.8	11.3	12.8	14.2	15.7	17.1	2.42
	71	24.5	8.2	9.6	11.1	12.6	14.0	2.51

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **24.8 MBH**
AIRFLOW: **750 CFM**
SYSTEM POWER: **2421 WATTS**
EER (BTU/W-HR): **10.2**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	700	800
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.02

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTAL CAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

2TTB0530AA WITH MCD524DBP AT 600 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	24.5	16.6	18.1	19.4	20.8	21.6	2.18
	65	26.4	13.7	15.2	16.6	18.0	19.4	2.27
	67	27.4	12.2	13.7	15.1	16.5	17.9	2.31
	71	29.5	9.1	10.6	12.0	13.4	14.8	2.41
95	61	23.8	16.4	17.7	19.2	20.4	21.5	2.37
	65	25.6	13.5	14.9	16.3	17.7	19.1	2.46
	67	26.6	11.9	13.4	14.8	16.2	17.6	2.51
	71	28.6	8.9	10.3	11.7	13.1	14.6	2.61
105	61	22.8	15.7	17.2	18.5	19.6	20.8	2.58
	65	24.6	12.9	14.3	15.7	17.1	18.5	2.68
	67	25.6	11.4	12.8	14.2	15.6	17.0	2.73
	71	27.4	9.8	9.8	11.2	12.6	14.0	2.83
115	61	21.8	15.3	16.7	17.9	19.1	20.1	2.79
	65	23.6	12.4	13.9	15.2	16.7	18.0	2.90
	67	24.5	10.9	12.4	13.7	15.2	16.5	2.95
	71	26.3	8.0	9.3	10.7	12.1	13.5	3.05

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **26.6 MBH**
AIRFLOW: **600 CFM**
SYSTEM POWER: **2860 WATTS**
EER (BTU/W-HR): **9.3**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	525	675
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.04

2TTB0530AAWITH MCD530DBP AT 750 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	25.7	18.2	19.8	21.3	22.8	23.6	2.18
	65	27.7	15.1	16.6	18.2	19.7	21.3	2.27
	67	28.8	13.4	15.0	16.5	18.1	19.6	2.32
	71	30.9	10.0	11.6	13.1	14.7	16.3	2.41
95	61	24.9	18.0	19.4	21.0	22.3	23.6	2.37
	65	26.9	14.8	16.3	17.9	19.4	21.0	2.46
	67	27.9	13.1	14.7	16.2	17.8	19.3	2.52
	71	30.0	9.8	11.3	12.9	14.4	16.0	2.61
105	61	23.9	17.3	18.8	20.3	21.5	22.8	2.58
	65	25.8	14.2	15.7	17.3	18.8	20.3	2.68
	67	26.9	12.5	14.0	15.6	17.1	18.7	2.73
	71	28.8	10.7	10.8	12.3	13.9	15.4	2.84
115	61	22.9	16.8	18.3	19.7	20.9	22.0	2.79
	65	24.7	13.6	15.2	16.7	18.3	19.8	2.90
	67	25.7	12.0	13.6	15.1	16.6	18.1	2.95
	71	27.6	8.7	10.2	11.8	13.3	14.8	3.06

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **27.9 MBH**
AIRFLOW: **750 CFM**
SYSTEM POWER: **2894 WATTS**
EER (BTU/W-HR): **9.6**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	700	800
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.02

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

2TTB0536AAWITH MCD530DBP AT 750 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	30.2	20.4	22.2	23.8	25.5	26.4	2.48
	65	32.6	16.9	18.6	20.3	22.1	23.8	2.58
	67	33.8	15.0	16.8	18.5	20.2	22.0	2.63
	71	36.3	11.2	13.0	14.7	16.5	18.2	2.74
95	61	29.3	20.1	21.8	23.5	25.0	26.4	2.69
	65	31.6	16.5	18.2	20.0	21.7	23.5	2.80
	67	32.8	14.6	16.4	18.1	19.9	21.6	2.85
	71	35.3	10.9	12.6	14.4	16.1	17.9	2.96
105	61	28.1	19.3	21.1	22.7	24.1	25.5	2.93
	65	30.4	15.9	17.6	19.3	21.0	22.7	3.04
	67	31.6	14.0	15.7	17.5	19.2	20.9	3.10
	71	33.8	12.0	12.0	13.7	15.5	17.2	3.22
115	61	26.9	18.8	20.5	22.0	23.4	24.6	3.17
	65	29.1	15.3	17.0	18.7	20.4	22.1	3.29
	67	30.2	13.4	15.2	16.9	18.6	20.3	3.35
	71	32.4	9.8	11.4	13.2	14.9	16.6	3.47

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **32.8 MBH**
AIRFLOW: **750 CFM**
SYSTEM POWER: **3270 WATTS**
EER (BTU/W-HR): **10.0**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	700	800
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.02

2TTB0536AA WITH MCD536DBP AT 900 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	31.3	22.1	24.0	25.8	27.6	28.7	2.47
	65	33.8	18.3	20.2	22.0	23.9	25.8	2.57
	67	35.1	16.3	18.2	20.1	21.9	23.8	2.62
	71	37.6	12.2	14.1	15.9	17.9	19.7	2.73
95	61	30.4	21.8	23.6	25.5	27.1	28.6	2.68
	65	32.8	17.9	19.7	21.7	23.5	25.4	2.79
	67	34.0	15.9	17.8	19.7	21.5	23.4	2.85
	71	36.6	11.9	13.7	15.6	17.4	19.4	2.96
105	61	29.1	20.0	22.8	24.6	26.1	27.6	2.92
	65	31.5	17.2	19.0	20.9	22.7	24.6	3.03
	67	32.7	15.2	17.0	18.9	20.7	22.7	3.09
	71	35.1	13.0	13.1	14.9	16.8	18.6	3.21
115	61	27.9	20.4	22.2	23.8	25.4	26.7	3.16
	65	30.1	16.5	18.4	20.3	22.2	24.0	3.29
	67	31.3	14.5	16.5	18.3	20.2	22.0	3.34
	71	33.6	10.6	12.4	14.3	16.1	18.0	3.46

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **34.0 MBH**
AIRFLOW: **900 CFM**
SYSTEM POWER: **3284 WATTS**
EER (BTU/W-HR): **10.4**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	750	975
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.07

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

2TTA0040AD WITH MCD536DBP AT 900 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	33.7	23.2	25.2	27.1	29.0	30.1	2.85
	65	36.3	19.2	21.2	23.2	25.2	27.1	2.97
	67	37.7	17.1	19.1	21.1	23.0	25.0	3.02
	71	40.5	12.8	14.8	16.7	18.8	20.7	3.15
95	61	32.7	22.9	24.8	26.8	28.5	30.1	3.09
	65	35.3	18.8	20.8	22.8	24.7	26.7	3.22
	67	36.6	16.7	18.7	20.7	22.6	24.6	3.28
	71	39.3	12.5	14.4	16.4	18.3	20.4	3.41
105	61	31.4	22.0	24.0	25.8	27.4	29.0	3.37
	65	33.9	18.1	20.0	22.0	23.9	25.9	3.50
	67	35.2	16.0	17.9	19.9	21.8	23.8	3.57
	71	37.7	13.7	13.7	15.6	17.7	19.6	3.71
115	61	30.0	21.4	23.3	25.0	26.7	28.0	3.65
	65	32.4	17.4	19.4	21.3	23.3	25.2	3.79
	67	33.7	15.3	17.3	19.2	21.2	23.1	3.86
	71	36.2	11.1	13.0	15.0	17.0	18.9	3.99

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **36.6 MBH**
AIRFLOW: **900 CFM**
SYSTEM POWER: **3709 WATTS**
EER (BTU/W-HR): **9.9**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	750	975
TOTALCAP.	x 0.99	x 1.01
SENS. CAP.	x 0.96	x 1.07

2TTA0040AD WITH MCD048DBP AT 1600 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	36.1	30.4	33.0	35.5	38.0*	39.4*	2.97
	65	38.9	25.1	27.8	30.3	32.9	35.5	3.09
	67	40.4	22.4	25.0	27.6	30.1	32.7	3.15
	71	43.4	16.7	19.4	21.9	24.6	27.1	3.28
95	61	35.0	30.0	32.4	35.1*	37.2*	39.4*	3.22
	65	37.8	24.7	27.2	29.8	32.3	35.0	3.35
	67	39.2	21.8	24.5	27.0	29.6	32.2	3.42
	71	42.1	16.3	18.8	21.5	24.0	26.7	3.55
105	61	33.6	28.8	31.4	33.8*	35.9*	38.0*	3.51
	65	36.3	23.6	26.2	28.8	31.3	33.9	3.65
	67	37.7	20.9	23.4	26.0	28.6	31.2	3.71
	71	40.4	17.9	18.0	20.5	23.1	25.6	3.86
115	61	32.2	28.0	30.5	32.8*	34.9*	36.7*	3.80
	65	34.7	22.8	25.4	27.9	30.5	33.0	3.95
	67	36.1	20.0	22.7	25.1	27.8	30.3	4.02
	71	38.8	14.6	17.1	19.6	22.2	24.8	4.16

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **39.2 MBH**
AIRFLOW: **1600 CFM**
SYSTEM POWER: **4205 WATTS**
EER (BTU/W-HR): **9.3**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1400	1625
TOTALCAP.	x 0.99	x 1.00
SENS. CAP.	x 0.96	x 1.01

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

2TTA0050AD WITH MCD048DBP AT 1600 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	45.2	34.3	37.4	40.2	42.9	44.6	3.78
	65	48.7	28.4	31.4	34.3	37.2	40.1	3.93
	67	50.6	25.3	28.2	31.2	34.1	37.0	4.01
	71	54.4	18.9	21.9	24.7	27.8	30.7	4.17
95	61	43.9	33.9	36.7	39.7	42.1	44.6*	4.10
	65	47.3	27.9	30.7	33.7	36.6	39.5	4.26
	67	49.1	24.7	27.7	30.6	33.5	36.4	4.35
	71	52.8	18.4	21.3	24.3	27.1	30.2	4.52
105	61	42.1	32.6	35.5	38.2	40.6	42.9*	4.47
	65	45.5	26.7	29.6	32.5	35.4	38.3	4.64
	67	47.3	23.6	26.5	29.4	32.3	35.2	4.73
	71	50.6	20.2	20.3	23.1	26.1	29.0	4.91
115	61	40.3	31.7	34.5	37.1	39.5	41.5	4.83
	65	43.5	25.7	28.7	31.5	34.5	37.3	5.02
	67	45.2	22.6	25.7	28.4	31.4	34.2	5.11
	71	48.6	16.5	19.3	22.2	25.1	28.0	5.29

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **49.1 MBH**
AIRFLOW: **1600 CFM**
SYSTEM POWER: **5178 WATTS**
EER (BTU/W-HR): **9.5**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1400	1625
TOTALCAP.	x 0.99	x 1.00
SENS. CAP.	x 0.96	x 1.01

2TTA0050AD WITH MCD060DBP AT 2000 CFM** GROSS CAPACITY IN BTU/H X 1000

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	48.7	40.5	44.1	47.4	50.7*	52.7*	3.92
	65	52.6	33.6	37.1	40.5	44.0	47.4	4.08
	67	54.6	29.9	33.4	36.9	40.2	43.7	4.16
	71	58.7	22.3	25.9	29.2	32.8	36.2	4.33
95	61	47.4	40.0	43.3	46.8	49.7*	52.6*	4.25
	65	51.1	32.9	36.3	39.8	43.2	46.7	4.42
	67	53.0	29.2	32.7	36.1	39.6	43.0	4.51
	71	57.0	21.8	25.1	28.7	32.0	35.6	4.69
105	61	45.4	38.5	41.9	45.2	48.0*	50.7*	4.63
	65	49.1	31.6	35.0	38.4	41.8	45.3	4.81
	67	51.0	27.9	31.3	34.8	38.1	41.6	4.90
	71	54.7	23.9	24.0	27.3	30.9	34.2	5.10
115	61	43.5	37.4	40.7	43.8*	46.6*	49.0*	5.01
	65	47.0	30.4	33.9	37.2	40.7	44.1	5.21
	67	48.8	26.7	30.3	33.5	37.1	40.4	5.30
	71	52.4	19.4	22.8	26.2	29.7	33.1	5.49

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil
Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **53.0 MBH**
AIRFLOW: **2000 CFM**
SYSTEM POWER: **5390 WATTS**
EER (BTU/W-HR): **9.8**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1750	2250
TOTALCAP.	x 0.99	x 1.00
SENS. CAP.	x 0.95	x 1.05

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

Performance Data
Cooling English Units

2TTA0060AD WITH MCD060DBP AT 2000 CFM GROSS CAPACITY IN BTU/H X 1000**

O.D.	I.D.	GROSS	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR.
D.B.	W.B.	CAP.	72	74	76	78	80	KW
85	61	56.0	43.1	46.9	50.4	53.9	56.0	4.38
	65	60.5	35.7	39.4	43.0	46.8	50.3	4.56
	67	62.8	31.8	35.5	39.2	42.8	46.5	4.64
	71	67.4	23.7	27.5	31.1	34.9	38.5	4.84
95	61	54.4	42.5	46.0	49.8	52.9	55.9*	4.75
	65	58.7	35.0	38.6	42.3	45.9	49.6	4.94
	67	60.9	31.0	34.7	38.4	42.0	45.7	5.04
	71	65.5	23.1	26.7	30.5	34.0	37.9	5.24
105	61	52.2	40.9	44.6	48.0	51.0	53.9*	5.18
	65	56.4	33.5	37.2	40.9	44.4	48.1	5.37
	67	58.6	29.7	33.2	36.9	40.5	44.2	5.48
	71	62.8	25.4	25.5	29.1	32.8	36.4	5.69
115	61	50.0	39.8	43.3	46.5	49.6	52.1*	5.60
	65	54.0	32.3	36.0	39.6	43.3	46.8	5.82
	67	56.0	28.4	32.2	35.7	39.4	43.0	5.92
	71	60.2	20.7	24.2	27.8	31.5	35.1	6.13

* Dry coil condition (Gross Capacity = Sensible Capacity)
Gross Capacity and Comp. KW are valid only for Wet Coil Performance at the Rating Conditions of 80/67 & 95 F

GROSS CAPACITY: **60.9 MBH**
AIRFLOW: **2000 CFM**
SYSTEM POWER: **5986 WATTS**
EER (BTU/W-HR): **10.2**

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1750	2250
TOTALCAP.	x 0.99	x 1.00
SENS. CAP.	x 0.95	x 1.05

TOTALAND SENSIBLE CAPACITY
GROSS CAPACITYIN BTUH/1000
*** DRY COILCONDITION (TOTALCAPACITY= SENSIBLE CAPACITY)**
TOTALCAPACITY, COMP. KW ARE VALID ONLY
FOR WET COIL
ALLTEMPERATURES IN DEGREES F
**** NOMINALCFM**

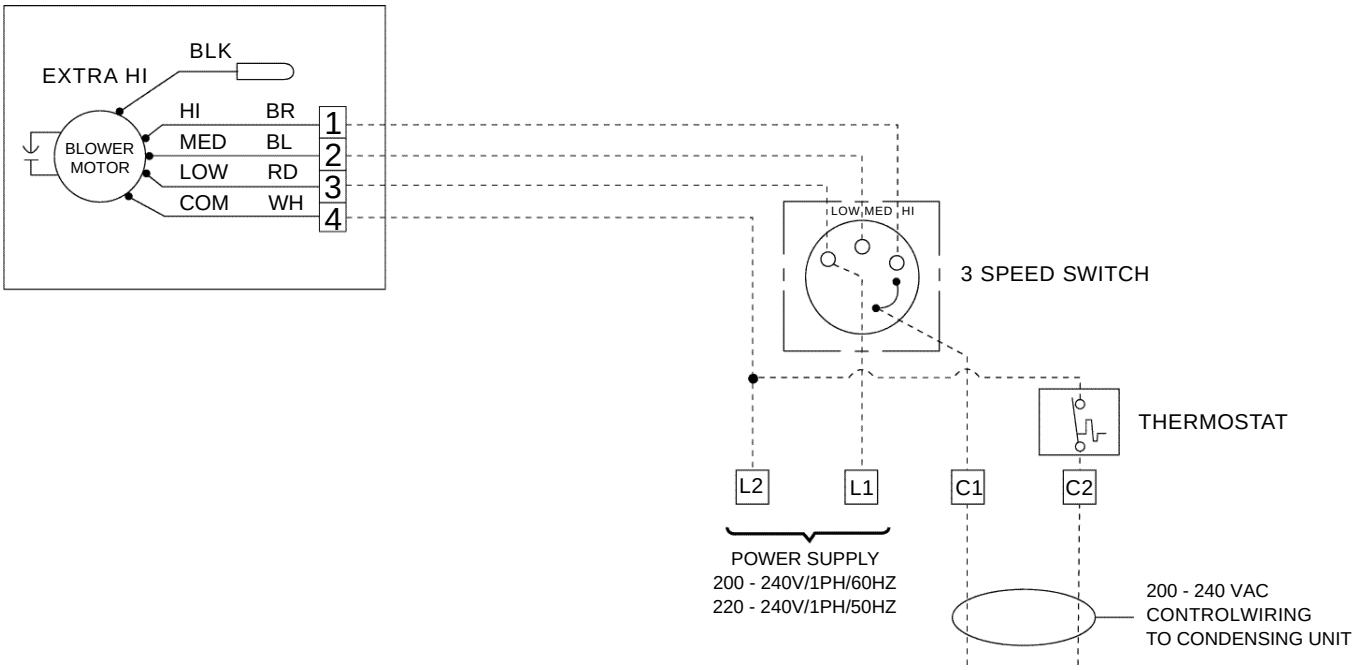
Typical Wiring Diagrams

CONCEALED DX AIR HANDLER; COOLING ONLY
MCD512-536DB/D1

REMOVE THE HI-BR WIRE FROM TB-1 AND REPLACE

WITH EXTRAHI-BLK WIRE WHEN HI SPEED/CFM

IS REQUIRED IN THE FIELD



NOTES :

1. POWER WIRING AND GROUNDING OF EQUIPMENT MUSTCOMPLY WITH LOCALCODES.
2. INSURE THAT POWER SUPPLY AGREES WITH EQUIPMENTNAME PLATE.
3. USE ONLY COPPER CONDUCTORS.

LEGEND:

- - - FIELD WIRING

___ FACTORY WIRING

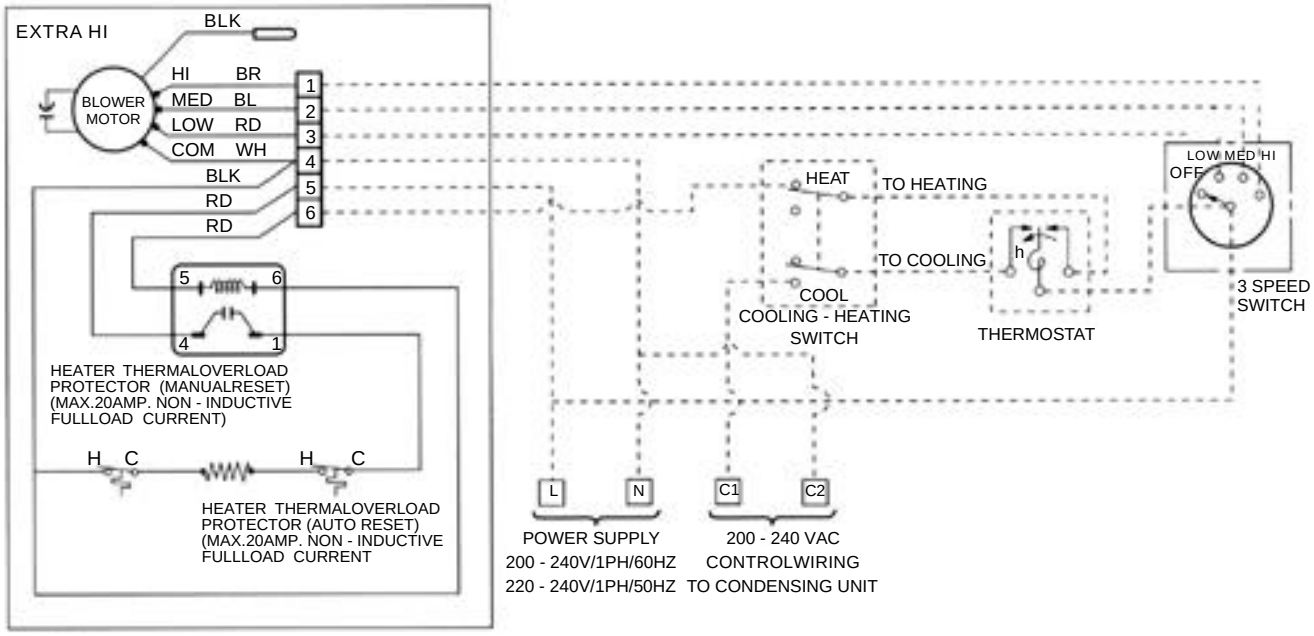
Typical Wiring Diagrams

CONCEALED DX AIR HANDLER; COOLING - HEATING
MCD512-524DB/D1

REMOVE THE HI-BR WIRE FROM TB-1 AND REPLACE

WITH EXTRAHI-BLK WIRE WHEN HI SPEED/CFM

IS REQUIRED IN THE FIELD



NOTES :

1. POWER WIRING AND GROUNDING OF EQUIPMENT MUSTCOMPLY WITH LOCALCODES.
2. INSURE THAT POWER SUPPLY AGREES WITH EQUIPMENTNAME PLATE.
3. USE ONLY COPPER CONDUCTORS.

LEGEND:

- - - FIELD WIRING

___ FACTORY WIRING

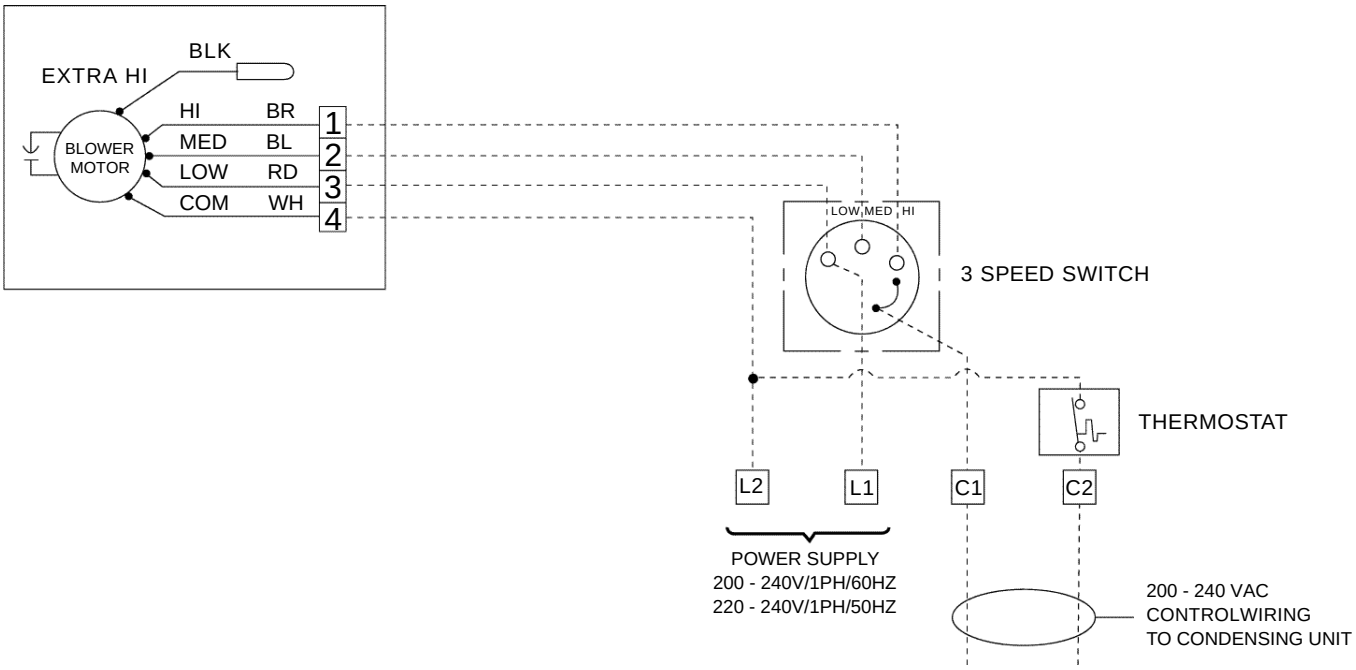
Typical Wiring Diagrams

CONCEALED FAN COIL UNITS; COOLING ONLY
MCD048 - 060 DB/D1

REMOVE THE HI-BR WIRE FROM TB-1 AND REPLACE

WITH EXTRAHI-BLK WIRE WHEN HI SPEED/CFM

IS REQUIRED IN THE FIELD



NOTES :

1. POWER WIRING AND GROUNDING OF EQUIPMENT MUSTCOMPLY WITH LOCALCODES.
2. INSURE THAT POWER SUPPLY AGREES WITH EQUIPMENTNAME PLATE.
3. USE ONLY COPPER CONDUCTORS.

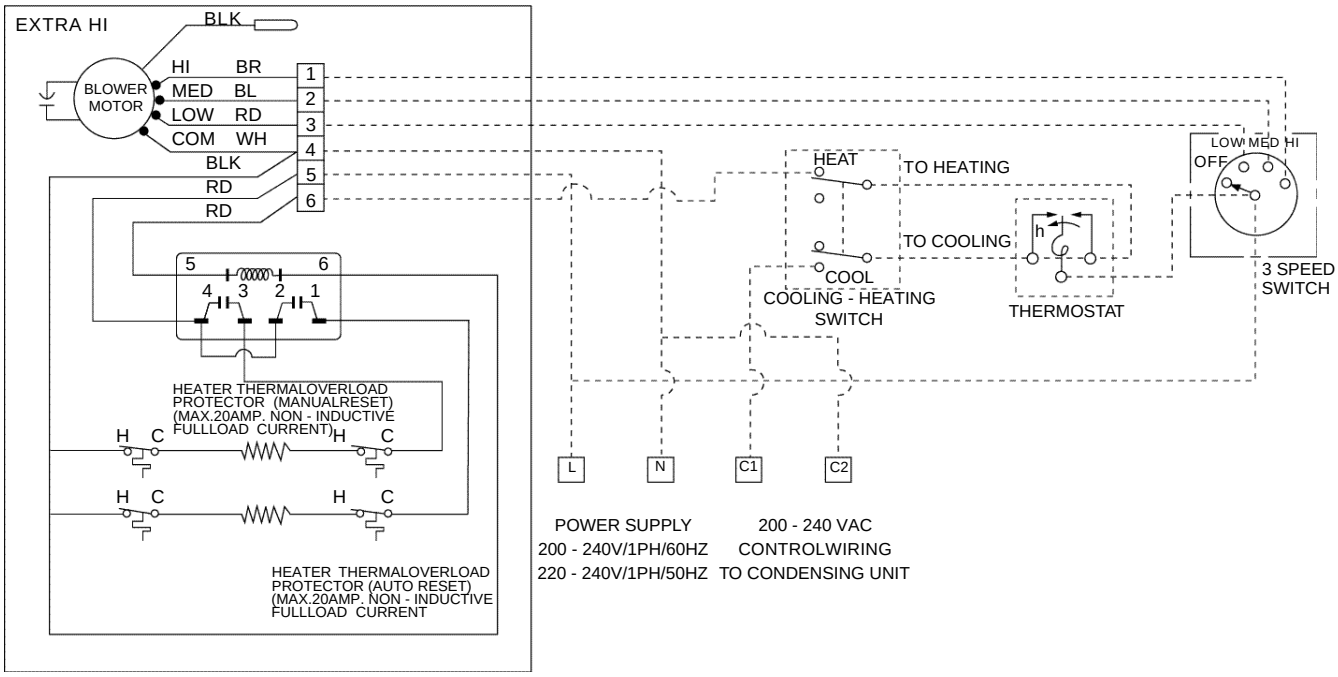
LEGEND:

- - - FIELD WIRING

___ FACTORY WIRING

Typical Wiring Diagrams

CONCEALED FAN COIL UNITS; COOLING - HEATING
MCD530 - 536 DB/D1
MCD048 - 060 DB/D1



NOTES :

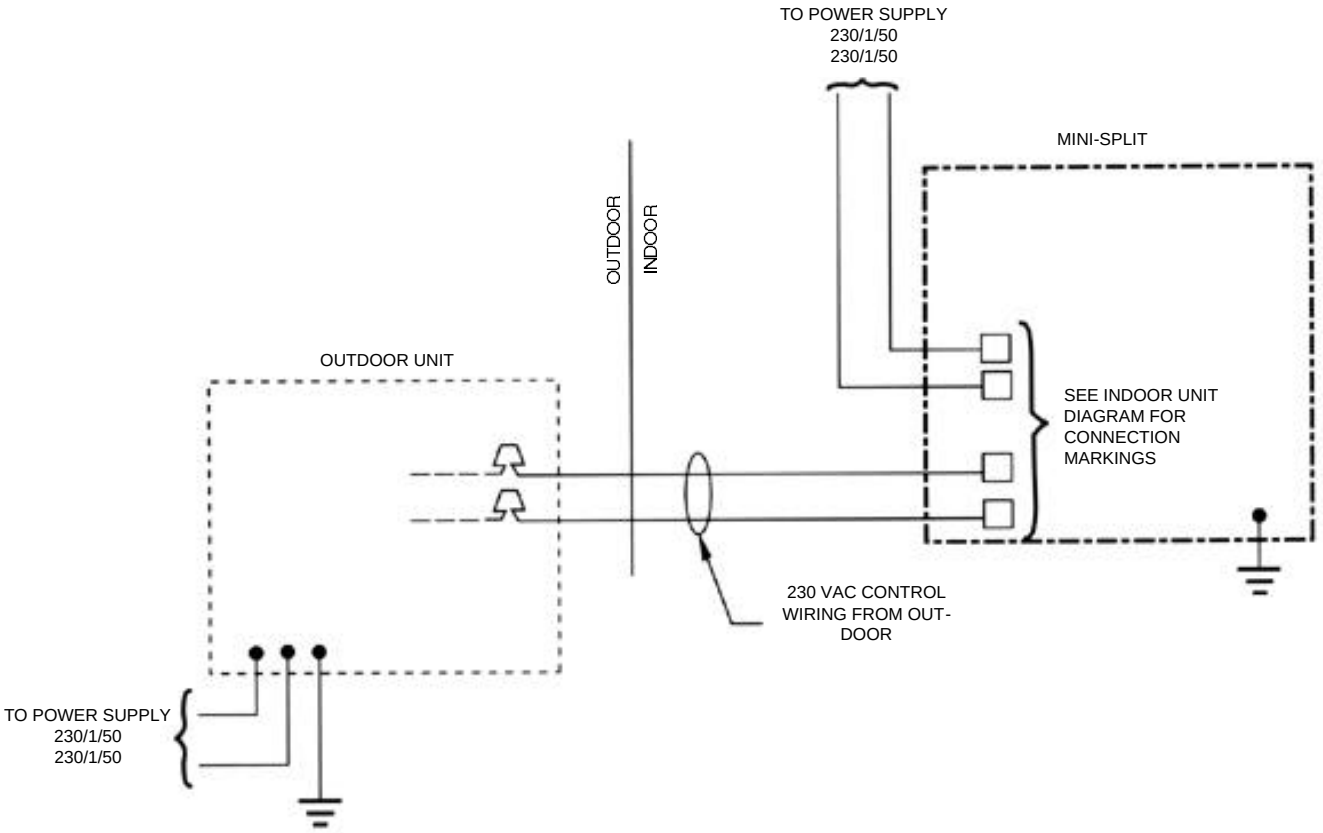
1. POWER WIRING AND GROUNDING OF EQUIPMENT MUSTCOMPLY WITH LOCAL CODES.
2. INSURE THAT POWER SUPPLY AGREES WITH EQUIPMENTNAME PLATE.
3. USE ONLY COPPER CONDUCTORS.

LEGEND:

- - - FACTORY WIRING
___ FIELD WIRING

Typical Wiring Diagrams

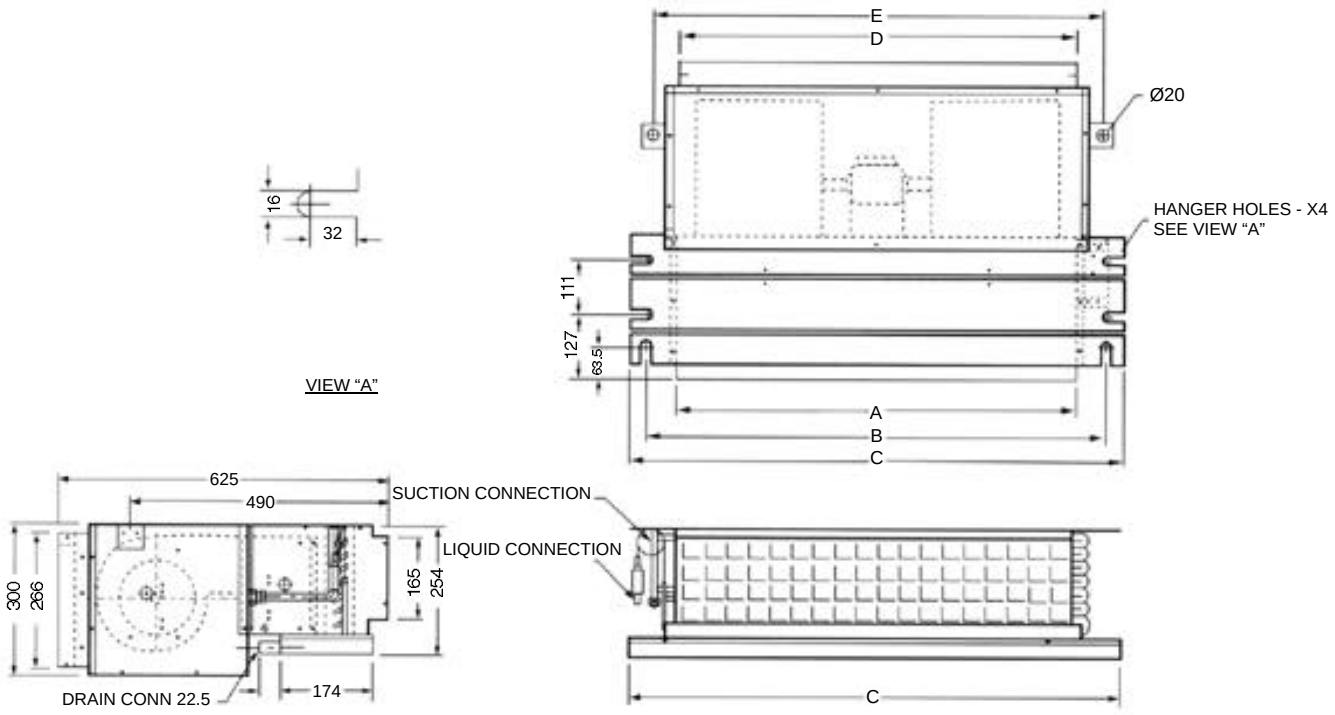
TTB5 and MCD-D



NOTES :

1. POWER WIRING AND GROUNDING OF EQUIPMENT MUSTCOMPLY WITH LOCALCODES.
2. INSURE THAT POWER SUPPLY AGREES WITH EQUIPMENTNAME PLATE.
3. USE ONLY COPPER CONDUCTORS.

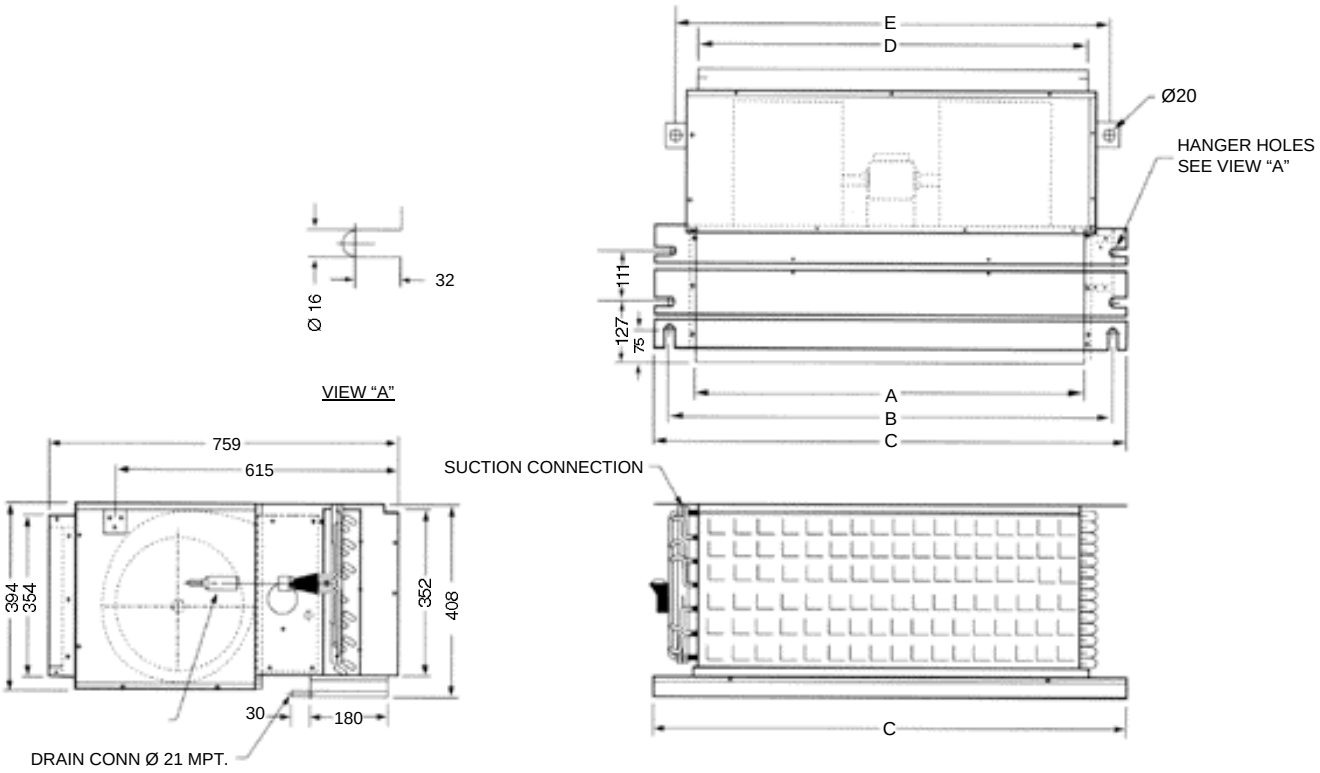
Dimensional Data



External Dimensions and Weights (with plenum)

Model No.	External Dimensions (mm)					Conn. Sizes	
	A	B	C	D	E	Liquid	Suction
MCD 512	762 (30")	882 (34 3/4")	946 (37 1/4")	762 (30")	862 (33 15/16")	6.35 (1/4")	12.7 (1/2")
MCD 518	762 (30")	882 (34 3/4")	946 (37 1/4")	762 (30")	862 (33 15/16")	6.35 (1/4")	12.7 (1.2")
MCD 524	762 (30")	882 (34 3/4")	946 (37 1/4")	762 (30")	862 (33 15/16")	9.52 (3/8")	15.87 (5/8")
MCD 530	914 (36")	1034 (40 1/4")	1098 (43 1/4")	914 (36")	1014 (39 15/16")	9.52 (3/8")	15.87 (5/8")
MCD 536	1067 (42")	1087 (42 7/8")	1251 (49 1/4")	1067 (42")	1167 (45 15/16")	9.52 (3/8")	19.05 (3/4")

Dimensional Data

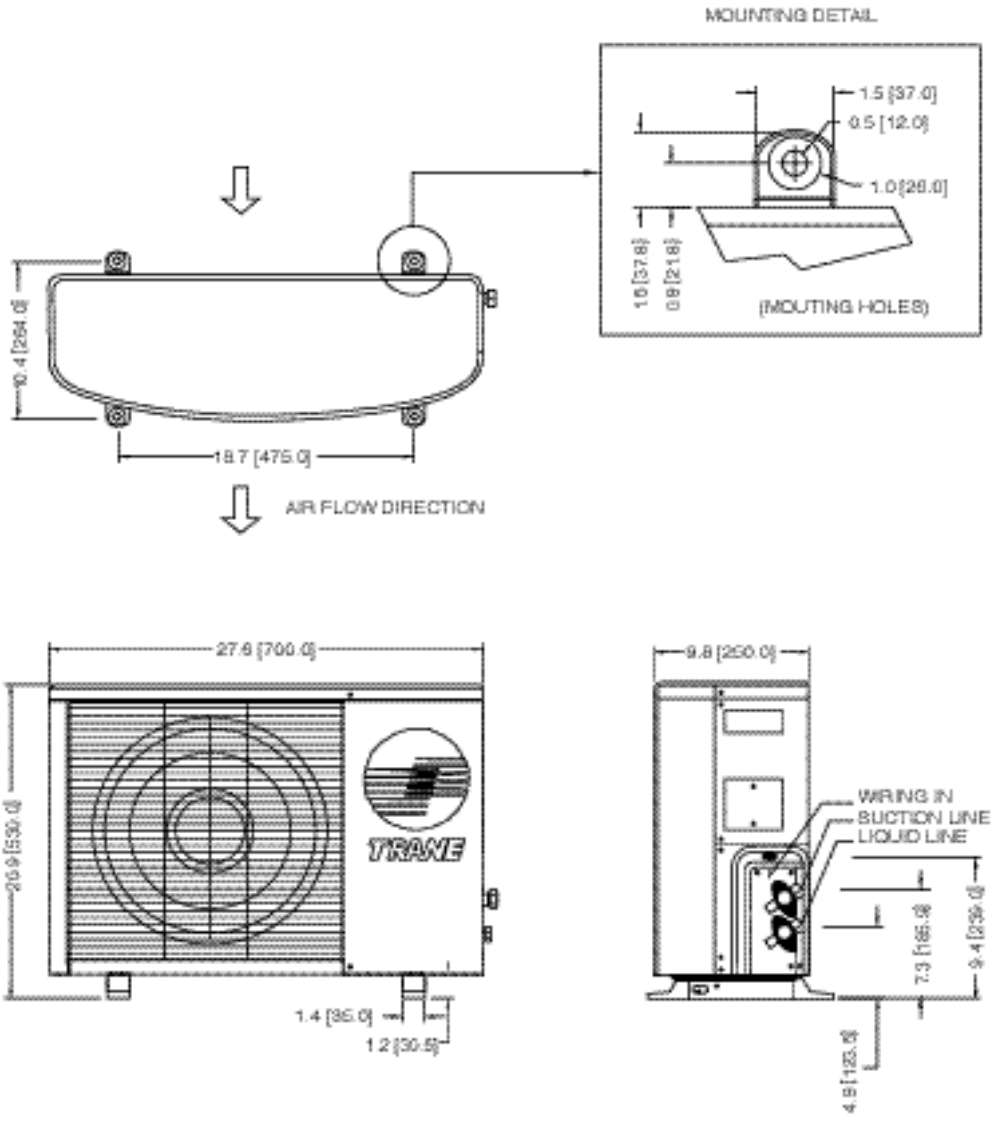


External Dimensions (Air return plenum is standard)

Model No.	All External Dimensions are Inch (mm)					Conn. Sizes	
	A	B	C	D	E	Suction	Liquid
MCD 048	39.06 (916)	40.70" (1034)	43.58" (1107)	35.70" (907)	39.88" (1013)	1 - 1/8" (28.57)	3/8" (9.52)
MCD 060	42.08 (1069)	46.73" (1187)	49.21" (1250)	41.73" (1060)	45.90" (1166)	1 - 1/8" (28.57)	3/8" (9.52)

Dimensional Data

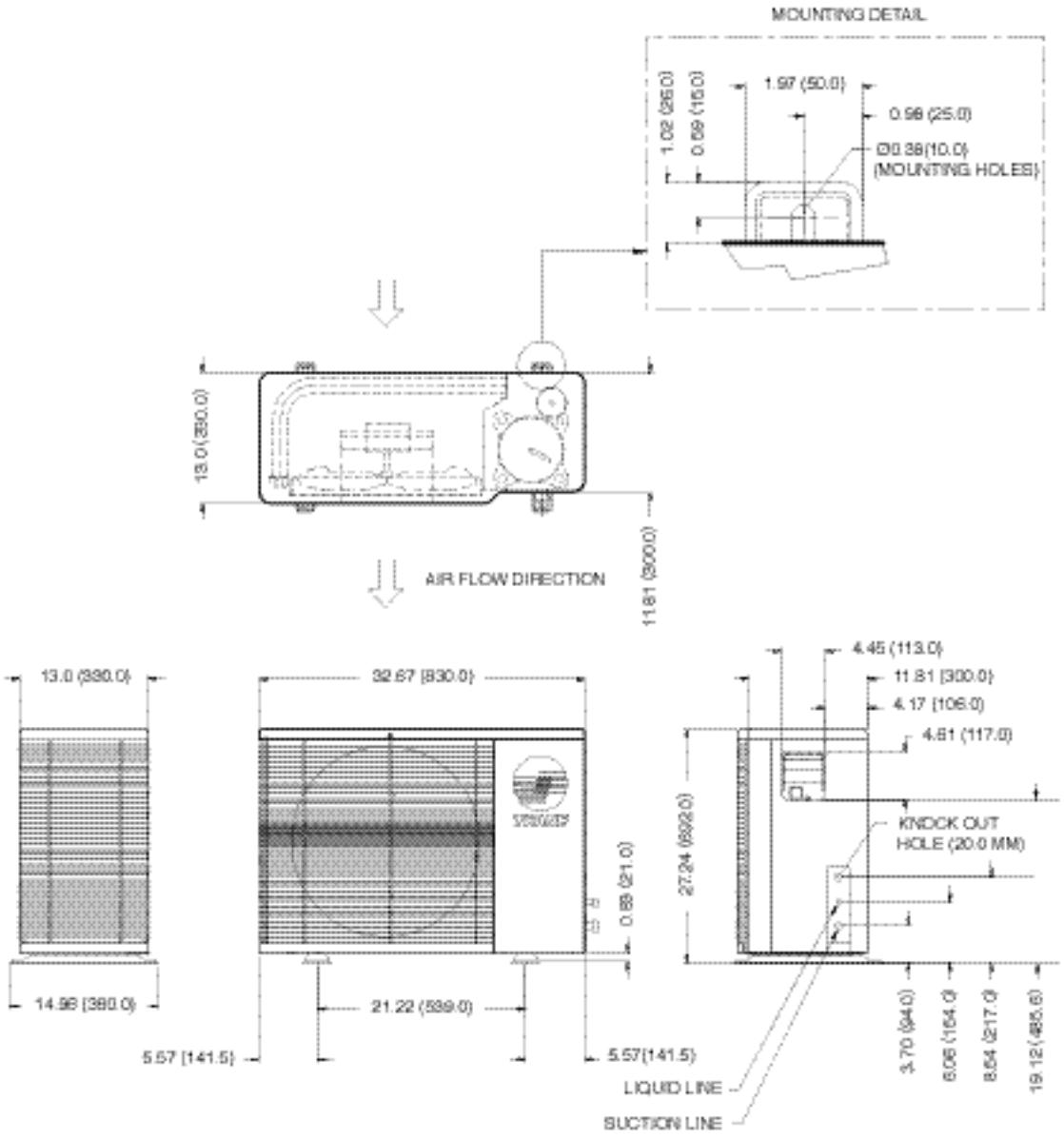
Outline Drawing



MODEL	REFRIG LINE DIA	
	LIQUID	SUCTION
TTK512	1/4" (6.35)	1/2" (12.70)

NOTES:
1. SUCTION AND LIQUID LINES ARE FLARE TYPE CONNECTIONS
2. DIMENSIONS : INCHES (MILLIMETERS) : 1 IN. = 25.4 MM.

Dimensional Data

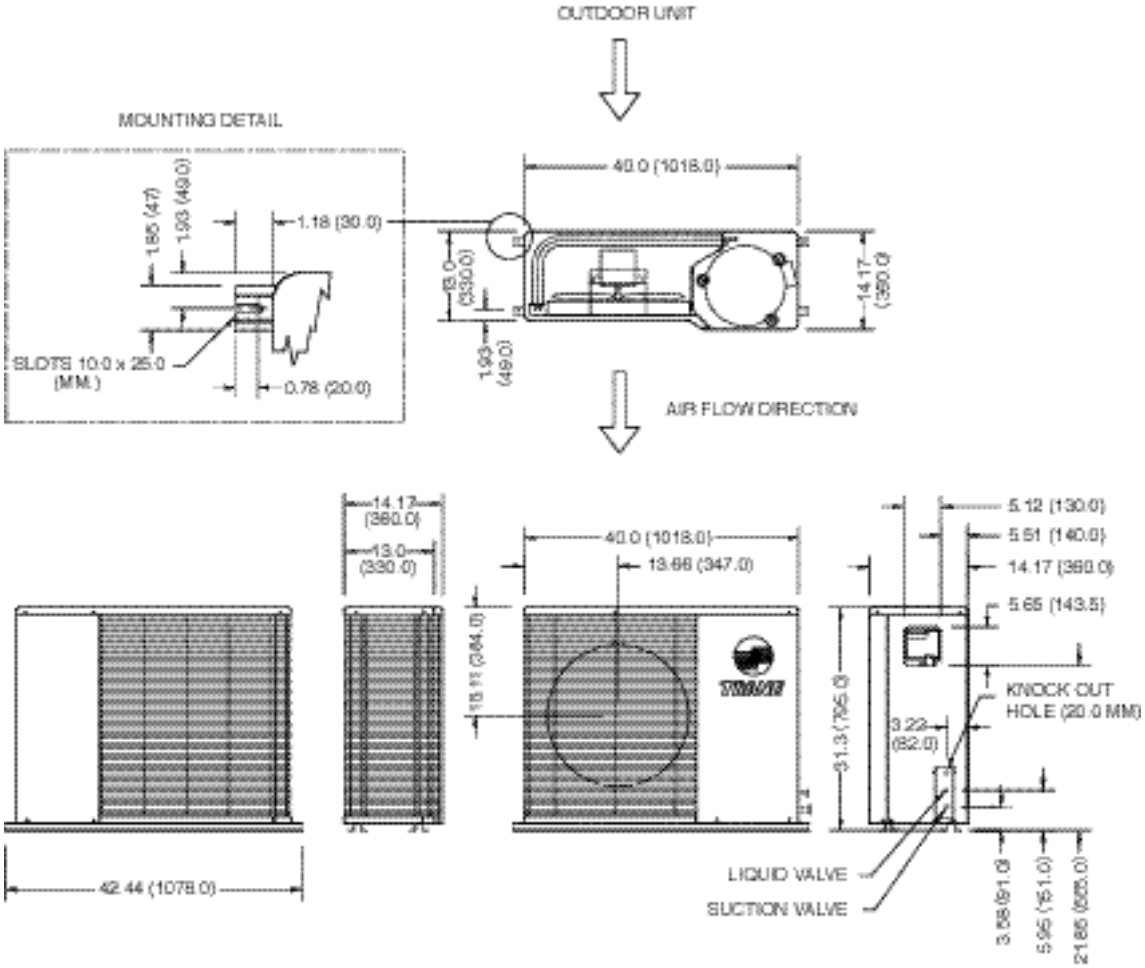


MODEL	REFRIG. LINE DIA	
	LIQUID	SUCTION
TTKS18PB/P1	1/4 (6.4)	1/2 (12.7)
TTKS24PB/P1 TTKS30KB	3/8 (9.5)	5/8 (15.9)

NOTES:

1. SUCTION AND LIQUID LINE ARE FLARE TYPE CONNECTIONS.
2. DIMENSIONS : INCHES (MILIMETERS) ; 1 IN = 25.40 MM

Dimensional Data

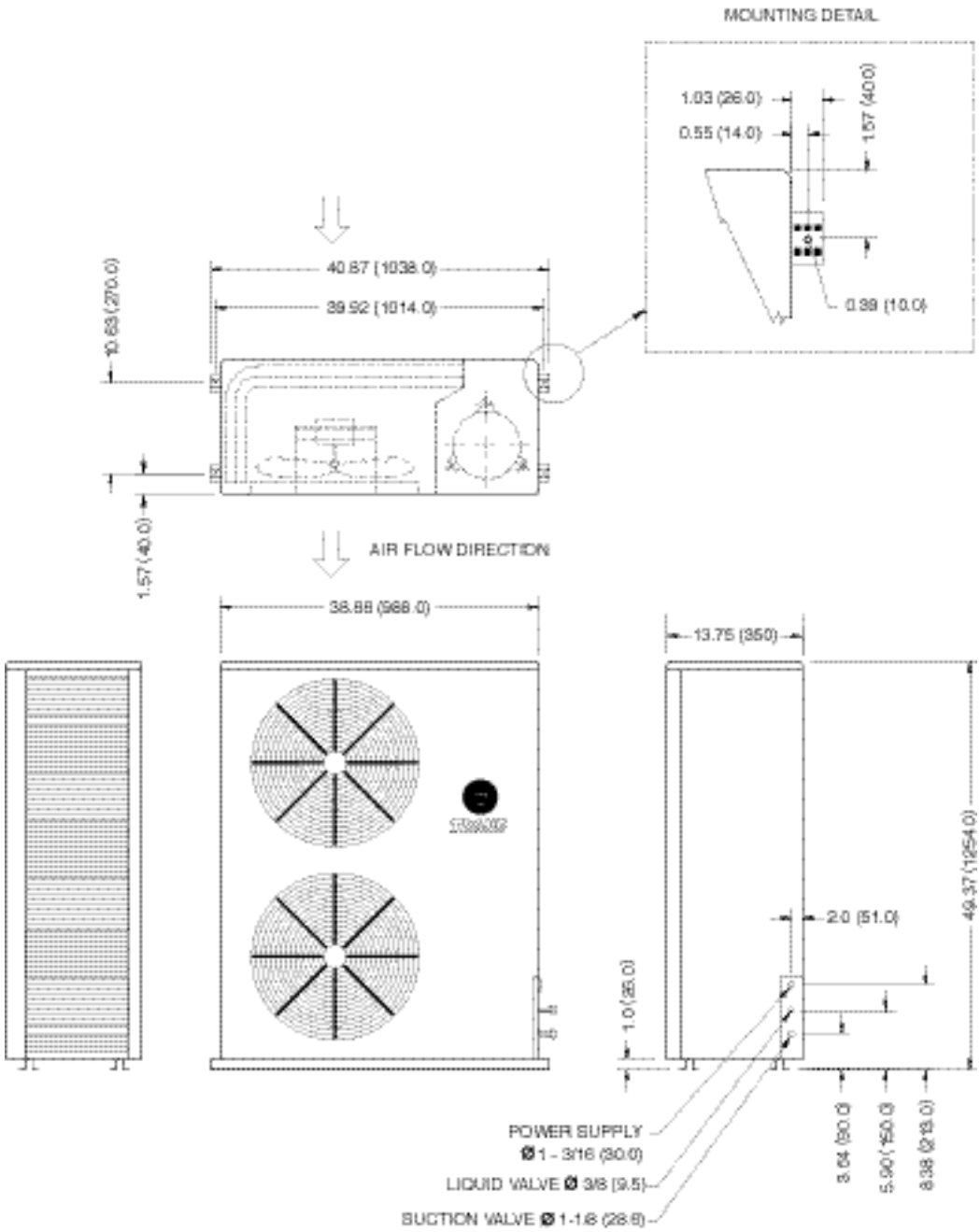


MODEL	REFRIG. LINE DIA.	
	LIQUID	SUCTION
TTKS36KB/KD TTKS36K1/K4	3/8 (9.5)	3/4 (19.1)
TTK042KD/K4	3/8 (9.5)	7/8 (22.2)

NOTE
1. SUCTION AND LIQUID VALVES ARE FLARE TYPE CONNECTIONS
2. DIMENSIONS : INCHES (MILIMETERS) ; 1 IN = 25.40 MM

Dimensional Data

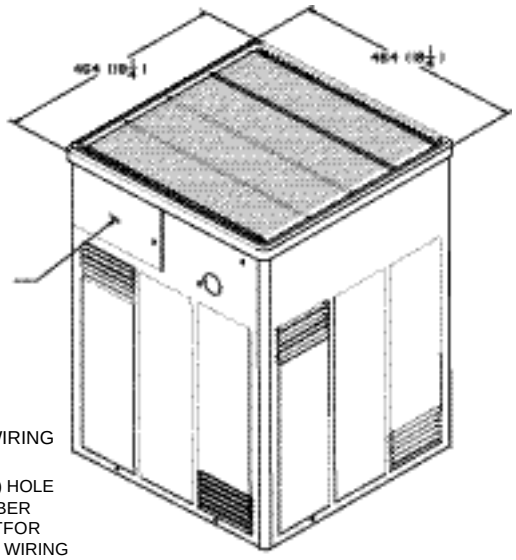
TTK048-060KD/K4



NOTES
1) SUCTION AND LIQUID VALVE ARE BLAZED TYPE CONNECTIONS.
2) DIMENSIONS : INCHES (MILIMETERS) ; 1 IN = 25.4 MM

Dimensional Data

TTB510-520CA



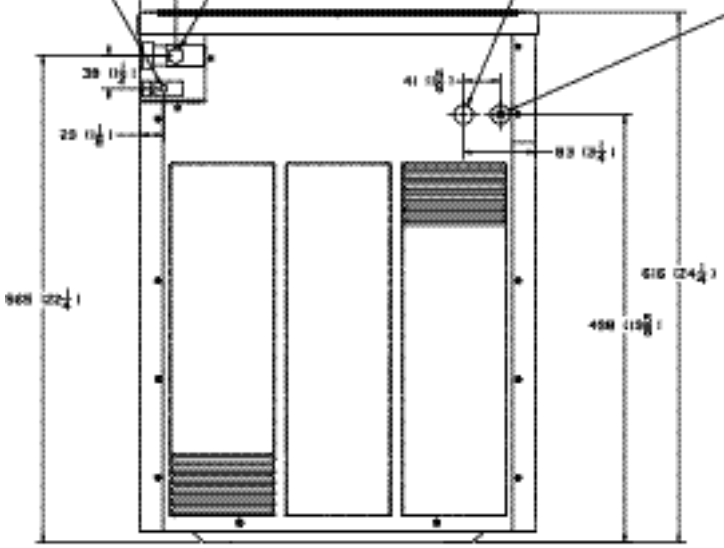
ELECTRICAL
CONTROLACCESS
(THIS SIDE ONLY)

LIQUID LINE SERVICE VALVE "B"
SAE MALE FLARE FOR "D" O.D. TUBE SIZE
CONNECTION WITH 1/4 SAE FLARE PRESSURE
TAPFITTING

GAS LINE SERVICE VALVE "A"
SAE MALE FLARE FOR "C" O.D. TUBE SIZE
CONNECTION WITH 1/4 SAE FLARE PRESSURE
TAPFITTING

22.2 (Ø 7/8) HOLE FOR POWER WIRING

22.2 (Ø 7/8) HOLE
WITH RUBBER
GROMMETFOR
CONTROL WIRING



REAR VIEW

25.40 MILLIMETERS = 1 INCH

FLARE - NUT TORQUE		
	TORQUE FT-LBS (NEWTON METERS)	
APPLIED TUBE SIZE	MINIMUM	MAXIMUM
6.35 mm (1/4 IN.)	8 (11.0)	10 (14.0)
7.94 mm (5/16 IN.)	10 (14.0)	15 (20.0)
9.52 mm (3/8 IN.)	15 (20.0)	25 (34.0)
12.70 mm (1/2 IN.)	25 (34.0)	35 (47.0)
15.88 mm (5/8 IN.)	40 (54.0)	55 (75.0)
19.05 mm (3/4 IN.)	50 (68.0)	60 (81.0)

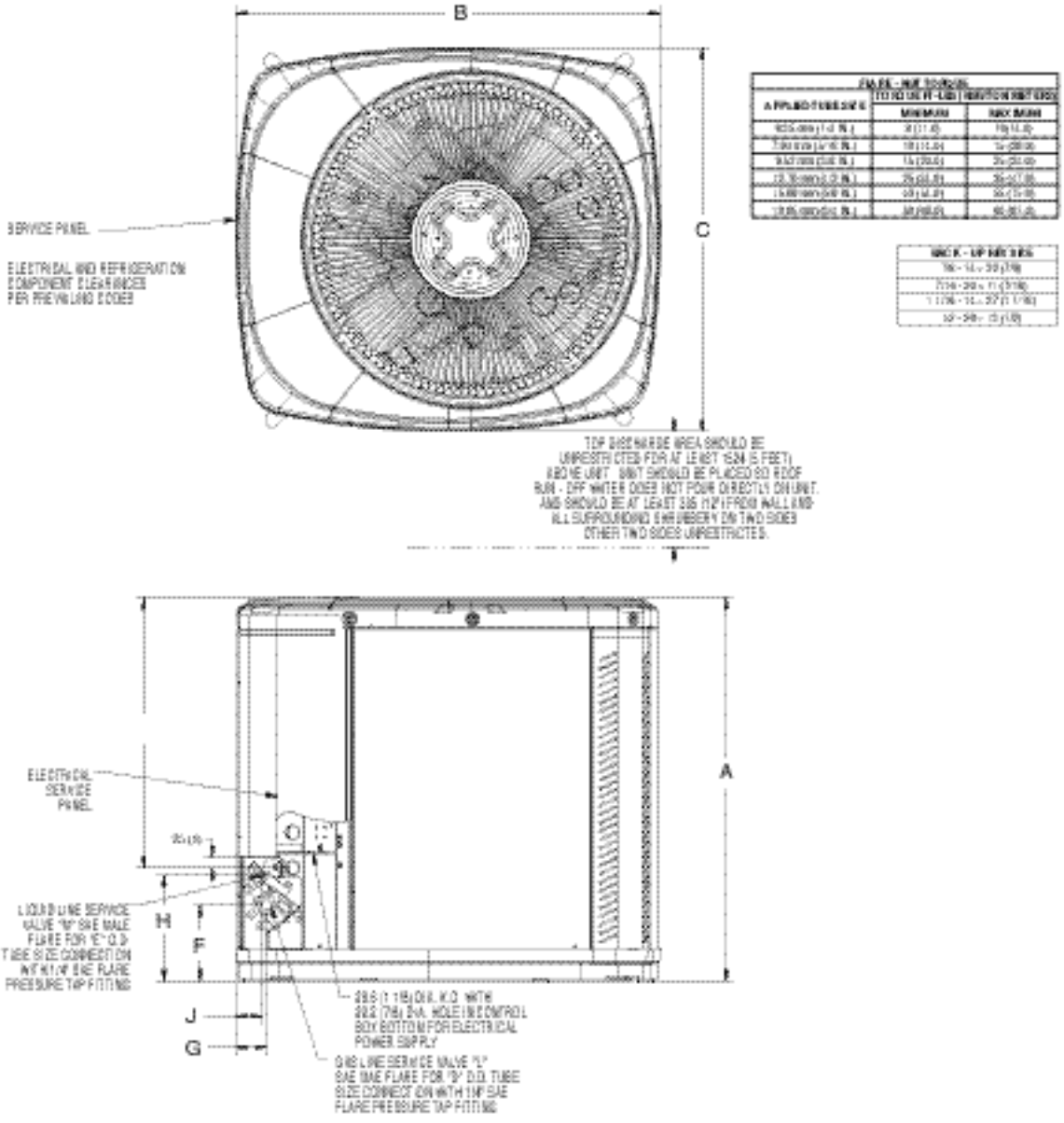
BLACK - UP HEX SIZE
7/8 - 14 = 22 (7/8)
7/16 - 20 = 11 (7/16)
1 1/16 - 14 = 27 (1 1/16)
1/2 - 20 = 13 (1/2)

PART NO.	A	B	C	D
PO1	7/8 - 14 UNF-2A	7/16 - 20 UNF-2A	16 (5/8)	6 (1/4)
PO2	1 1/6 - 14 UNF-2A	1/2 - 20 UNF-2A	19 (3/4)	8 (5/16)

Dimensions

2TTB0524-536AA Outline Drawing

All dimensions are in inches (mm)

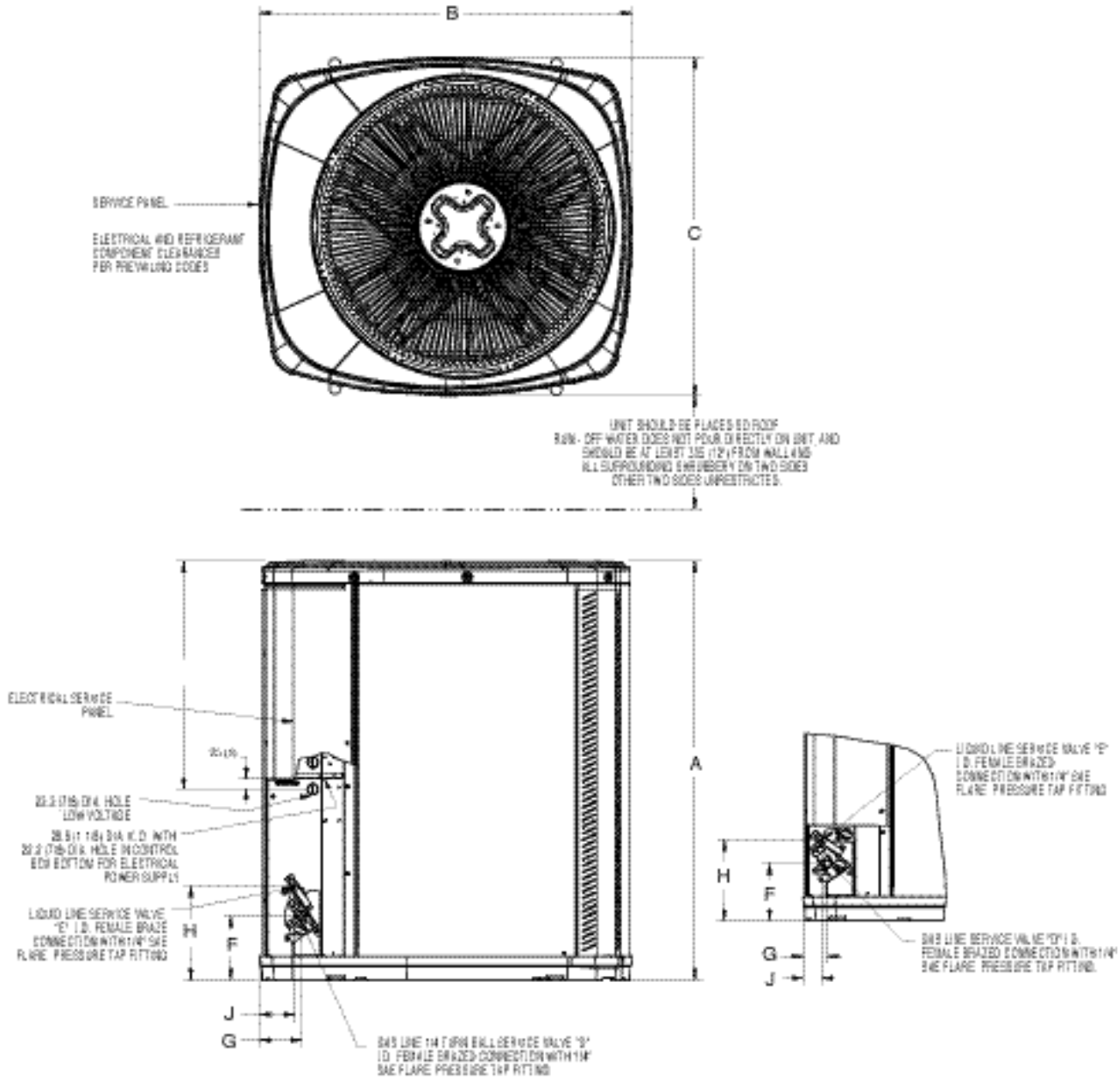


MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K	L	M
2TTB0524AA	2	1	581(25-5/8)	724(28-1/2)	651 (25-5/8)	3/4	5/16	127(5)	57 (2-1/4)	181(7-1/8)	44 (1-3/4)	457 (18)	1-1/16-14 UNF-2A	1/2-20 UNF-2A
2TTB0530AA	2	1	581(25-5/8)	724(28-1/2)	651 (25-5/8)	3/4	5/16	127(5)	57 (2-1/4)	181(7-1/8)	44 (1-3/4)	457 (18)	1-1/16-14 UNF 2A	1/2-20 UNF-2A
2TTB0536AA	2	1	730 (28-3/4)	724(28-1/2)	651 (25-5/8)	3/4	5/16	137 (5-3/8)	65(2-5/8)	210(8-1/4)	57 (2-1/4)	457 (18)	1-1/16-14 UNF 2A	1/2-20 UNF-2A

Dimensions

2TTA0030-060AD Outline Drawing

All dimensions are in inches (mm)



MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K
2TTA0030AD	2	2	730 (28-3/4)	724 (28-1/2)	651(25-5/8)	7/8	3/8	137 (5-3/8)	65 (2-5/8)	210 (8-1/4)	57 (2-1/4)	457 (18)
2TTA0040AD	2	2	730 (28-3/4)	724 (28-1/2)	651(25-5/8)	1-1/8	3/8	137 (5-3/8)	65 (2-5/8)	210 (8-1/4)	57 (2-1/4)	457 (18)
2TTA0050AD	3	1	832 (32-3/4)	829 (32-5/8)	756 (29-3/4)	1-1/8	3/8	143 (5-5/8)	92 (3-5/8)	210 (8-1/4)	79 (3-1/8)	508 (20)
2TTA0060AD	4	1	1045 (41-1/8)	946 (37-1/4)	870 (34-1/4)	1-1/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)

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File No.	**PL-UNT-MCD5-MAIR03EN - NOV. 04**
Supersedes	**PL-UNT-MCD5-MAIR01EN-1099**
Stocking location	**MAIR H.Q.**