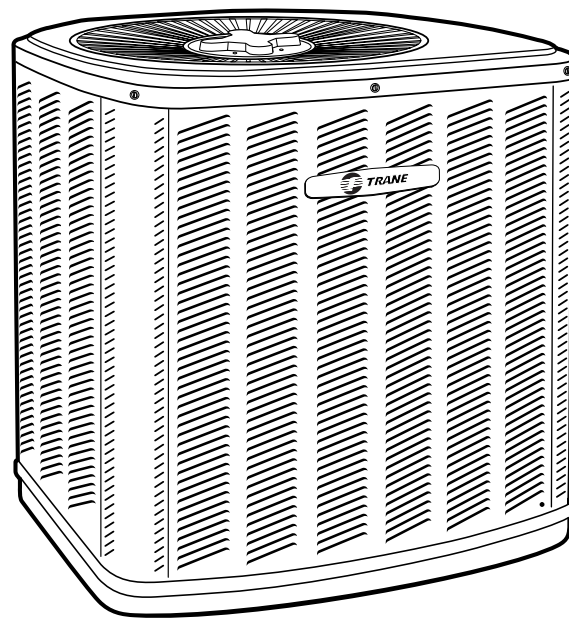




Split System Cooling Product & Performance Data

50 Hz



Air Handler Models

TWE030CA
TWE040CA
TWE050CA

Condensing Models

TTB0520
2TTB0524-536AA
2TTA0030-060AD

PUB. NO. TWE5-PRC002-EN-08-17-03



General Features

Split System Cooling Units . . . The Evolution Continues

2TTB0, 2TTA0 split systems represent a product that is not only an engineer's dream, it's also a customer's dream. The design team's mission and accomplishment is enhanced performance and efficiency, improved reliability and durability, and improved installability and serviceability.

Trane's experienced design team applied "six sigma principles", the latest computer

technology and customer research to develop the next generation of leadership outdoor products.

Couple the Trane reputation for reliability and durability with the above mentioned mission and accomplishments and you continue to have systems that prove "It's Hard to Stop a Trane®."



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Features and Benefits



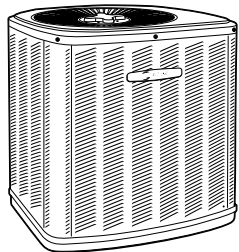
TTB05



Condensing Units (TTB05_CA)

- Vertical Air Discharge
- High Efficiency TRANE Climatuff® Compressor
- Powder Paint finish
- Brazed or flare connections
- Flexibility in application
- Quality and reliability
- Uniform covering for a smooth, attractive and corrosion-resistant finish

- Climatuff® compressor
- Efficiency up to 10 SEER
- All aluminum Spine Fin™ coil
- Duratuff™ base, fast complete drain, weather proof
- WeatherGuard™ fasteners



2TTB05 & 2TTA00

Condensing Units (2TTB05_AA, 2TTA00_AD)

- New appearance with enhanced consumer cues
- New tarpaulin gray cabinet with anthracite gray base
- Quick-Sess™ cabinet, service access and refrigerant connections with full coil protection
- Corrosion resistant finish
- High/low pressure & temperature protection
- Liquid line filter-drier
- Easy single side service
- Brazed or flared connections
- Multi-use liquid and suction line service valves
- Easy top & fan removal
- Full length control and service valve cover
- Sure Fast™ seams louver panel removal
- HCFC-22 refrigerant
- S.E.E.T. design testing
- 100% line run test
- Low ambient to 55°F as shipped
- Low ambient to 40°F with EDC accessory AY28X079
- Low ambient to 30°F with EDC accessory AY28X079 and TXV

Air Handling Units (2TWE0_CA)

- Ships horizontal
- Six way convertibility – horizontal (left and right), upflow, downflow (front and rear access)



TWE

- Electrical, refrigerant, condensate and blower access convertible to either side
- Corrosion resistant galvanized steel with attractive finish
- Internally enhanced finned coil tubes
- Direct drive motor
- Standard filters
- Multi-speed blower
- 220 volt primary and 24 volt secondary transformer
- Insulated cabinet
- External access to heater circuit breakers
- Start kits are not required
- Built-in indoor fan delay function for increased efficiency. No kit required.
- Improved filter access and latch – Eliminate current T-bar and shipping bracket.
- Provision for 1-1/8 inches thick field supplied electrostatic filter
- Reversible Duct Flanges – Fits up to 1-1/2 inches duct board
- Improve controls access with control box mounted next to blower.
- 40 VA transformer with 5 amp automotive style fuse on 3 tons and less
- 5 Amp automotive style fuse replaces Bussman “red cap” fuse on 3.5 to 5 ton models
- Blower mounting brackets improved – Front access to screw with power driver
- Improved bottom carton cushioning
- 1 inch thick foil faced insulation for all models



Features and Benefits

Optional Equipment

OPTIONAL EQUIPMENT FOR CONDENSING UNITS (Check mark [✓] indicates accessories included).

Indoor Thermostats — Htg./Clg. Programmable Thermostat	TAYSTAT300C []
Electronic, 2-Stg. Htg./1 Clg.	TAYSTAT302C []
Prog., 5/2 Day, Manual, 1 Htg./1 Clg.	TAYSTAT340 []
Prog., 5/2 Day, Manual, 2 (Gas) 1 Htg./1 Clg.	TAYSTAT350 []
Electronic, 1 Htg. (Gas)/1 Clg. (Non Prog.)	TAYSTAT370 []
Electronic, 1 Htg. (Elec.)/1 Clg. (Non Prog.) ^②	TAYSTAT371 []
Electronic, 2 Htg. (Gas)/1 Clg. (Non Prog.)	TAYSTAT380 []
Manual, 2-Stg. Htg./1 Clg.	TAYSTAT241 []
Heating/Cooling — Horizontal	AY28X092 []
Cooling Only with Fan Switch	BAYSTAT304 []
Heating/Cooling — Vertical	BAYSTAT305 []
Two-Stage Heating/Cooling — Horizontal ^①	BAY28X183 []
One-Stage Heating/Cooling — Horizontal ^①	BAY28X182 []
Thermostat Locking Cover ^③	BAY28X190 []
Outdoor Thermostat	TAYSTAT250B []
Sub-base BAY28X182, 183 (Manual changeover) ^②	BAY28X185 []
Evaporator Defrost Control	AY28X079 []
Fan Delay Relay Kit	BAY24X045 []
5 Minute Delay Relay	TAYASCT501A []
Outdoor Temperature Sensor	TAYSENS100A []
Start Kit 1.5-5 ton)	BAYKSKT257 []
Extreme Conditions Mounting Kit (2TTB05_AA, 2TTA0_AD)	BAYECMT001 []
Seacoast Kit	BAYSEAC001 []

① Requires sub-base
 ② Specifically designed for electric heat applications (instant on fan)
 ③ Not for use with programmable thermostats

BRAZED TUBING REFRIGERANT LINE SETS (All Suction Lines are Insulated.)

5/8" ODM (90° bend, one end), 5/8" and 1/4" tubing	TAYREFLN1_* []
3/4" ODM (90° bend, one end), 3/4" and 5/16" tubing	TAYREFLN2_* []
7/8" ODM (90° bend, one end), 7/8" and 3/8" tubing	TAYREFLN3_* []
1-1/8" ODM (90° bend, one end), 1-1/8" and 3/8" tubing	TAYREFLN4_* []

* Line lengths: 15, 20, 25, 30, 40 & 50 ft. Insert desired line length in catalog number at right for the complete number.
 Example: TAYREFLN220

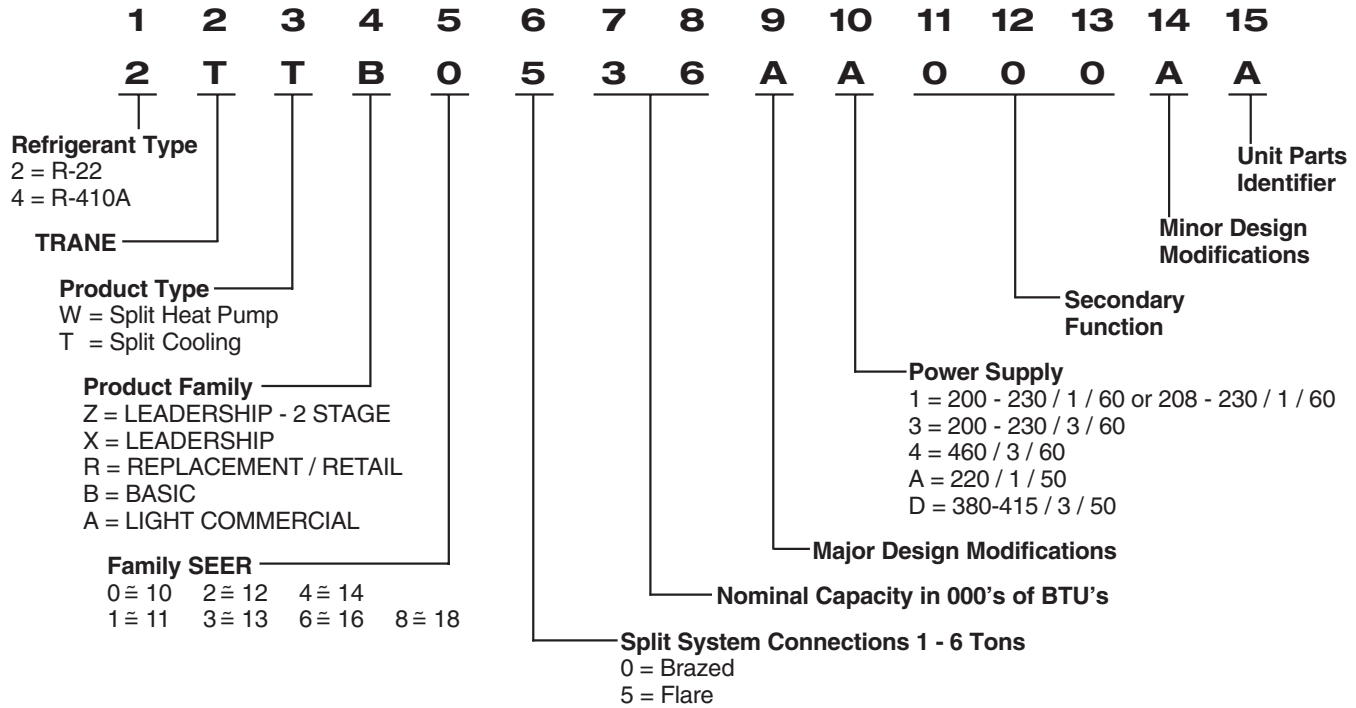
Low Outdoor Ambient Cooling

Low Ambient Cooling	As Manufactured	Evaporator Defrost Control
FCCV Accutron™	55°F	40°F
Thermal Expansion Valve (TXV)	55°F	30°F

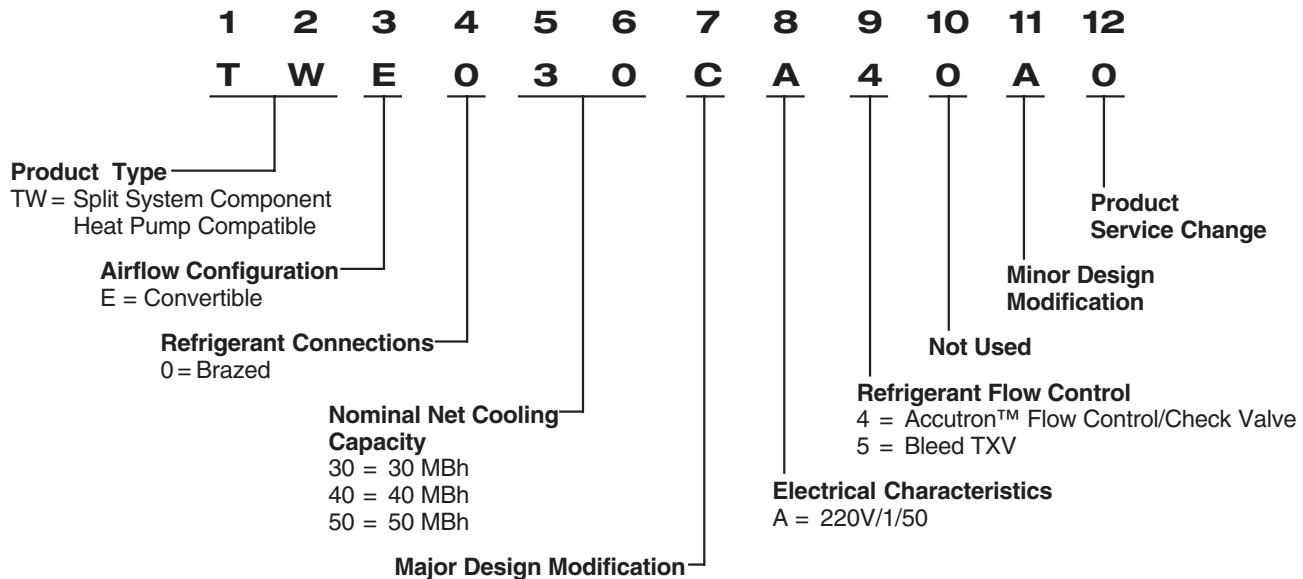


Selection Procedure

Model Number Nomenclature for Condensing Units (2TTB05, 2TTA00)



Model Number Nomenclature for Air Handlers





General Data

TWE

TWE Product Specifications

Model	TWE030CA40B	TWE040CA40C	TWE050CA50D
Power Conn.— Volts/Ph/Hz	220/1/50	220/1/50	220/1/50
Indoor Coil - Type	Plate Fin	Plate Fin	Plate Fin
Rows	3	3	3
Fins per inch (Fins per 25.4 mm)	14	14	14
Face Area sq ft (sq m)	3.21 (.30)	5.04 (.47)	6.19 (.58)
Tube Size in. (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Refrigerant Control	FCCV	FCCV	FCCV
Drain Conn. Size in. (mm)	3/4 NPT	3/4 NPT	3/4 NPT
Duct Connections	See Outline Drawing	See Outline Drawing	See Outline Drawing
Indoor Fan - Type	Centrifugal	Centrifugal	Centrifugal
No. Used	1	1	1
Diameter in. (mm)	10.0 (254.0)	10.0 (254.0)	11.0 (279.4)
Width in. (mm)	8.0 (203.2)	10.0 (254.0)	10.0 (254.0)
Type Drive - No. Speeds	Direct - 3	Direct - 3	Direct - 3
Airflow (High)			
CFM @ 0.0 in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
CMH @ 0.0 Pa	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors - HP	1 - 1/3	1 - 1/3	1 - 3/4
Motor RPM	1000	900	900
Volts/Ph/Hz	220/1/50	220/1/50	220/1/50
F.L. Amps	2.6	2.1	4.5
L.R. Amps	3.3	4.2	10.1
Filters			
Vertical Applications			
Filter Furnished	Yes	Yes	Yes
Type Furnished	Throwaway	Throwaway	High Velocity
No.-Size-Thickness	1 - 20 x 20 - 1	1 - 20 x 20 - 1	1 - 22 x 20 - 1
Horizontal Applications			
Filter Furnished	No	No	No
Type Recommended	See Note Below	See Note Below	See Note Below
No.-Size-Thickness	See Note Below	See Note Below	See Note Below
Refrigerant Line Size			
Line Size ID Gas in. (mm)	7/8 (22.23)	1-1/8 (28.56)	1-1/8 (28.56)
Line Size ID Liquid in. (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Dimensions (H x W x D)			
Crated - in.	44.5 x 24.0 x 23.5	53.25 x 26.0 x 23.5	59.5 x 26.0 x 23.5
- (mm)	(1130 x 610 x 597)	(1353 x 660 x 597)	(1511 x 660 x 597)
Uncrated - in.	43.0 x 21.5 x 21.0	52.0 x 23.5 x 21.0	58.0 x 23.5 x 21.0
- (mm)	(1092 x 546 x 533)	(1321 x 597x 533)	(1473 x 597 x 533)
Weight lbs. (kg)			
Shipping	125 (56.7)	165 (74.8)	198 (898)
Net	115 (52.2)	150 (68.0)	183 (83.0)

Minimum filter size for horizontal applications based on airflow selection and calculated as follows:
 Low Velocity Filter: Face Area (sq ft) = CFM/300
 High Velocity Filter: Face Area (sq ft) = CFM/500



General Data

TTB/2TTB

TTB/2TTB Product Specifications ^{①②}

Model	TTB520CA00B0	2TTB0524AA000A	2TTB0530AA000A	2TTB0536AA000A
Power Conn. - Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50	200/230/1/50
Fuse Size - max. amps	PER LOCAL CODES			
Min. Brch. Cir. Ampacity	14	16	17	26
Br. Cir. } Max. (Amps)	20	25	25	40
Prot. Rtg. } Min. (Amps)	20	20	20	40
Compressor - Type	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®	CLIMATUFF®
No. Used - No. Speeds	1	1 - 1	1 - 1	1 - 1
Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50	200/230/1/50
R.L. Amps ^⑥ - L.R. Amps	9.6 - 66	12.2 - 74.8	12.9 - 77.9	19.9 - 124
Factory Installed				
Start Components ^⑦	NO	NO	NO	YES
Insulation/Sound Blanket	NO	NO	NO	NO
Compressor Heat	NO	NO	NO	NO
Outdoor Fan - Type	PROPELLER	PROPELLER	PROPELLER	PROPELLER
No. Used	1	1	1	1
Diameter in. (mm)	13.7 (348)	19 (483)	19 (483)	19 (483)
Type Drive - No. Speeds	DIRECT - 1	DIRECT - 1	DIRECT - 1	DIRECT - 1
CFM @ 0.0 in. w.g. ^③	1300	1825	1825	2075
(M) 3/HR. @ 0.0 mm w.g. ^③	602			
CMH @ 0.0 mm. w.g. ^③		3103	3103	3528
No. Motors - HP	1 - 1/8	1 - 1/8	1 - 1/8	1 - 1/4
Motor Speed (RPM)	1620	1075	1075	1075
Volts/Ph/Hz	200/230/1/50	200/230/1/50	200/230/1/50	200/230/1/50
F.L. Amps	1.1	0.9	0.9	1.3
Outdoor Coil - Type	SPINE FIN™	SPINE FIN™	SPINE FIN™	SPINE FIN™
No. Rows	1	1	1	1
Fins/in. (mm)	24 (.945)	24 (0.945)	24 (0.945)	24 (0.945)
Face Area sq ft (sq m)	6.62 (.615)	9.72 (0.90)	9.72 (0.90)	11.32 (1.05)
Tube Size in. (mm)	3/8 (9.52)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
Refrigerant				
R-22 (O.D. Unit) ^④ - lbs. (kg)	3-LBS., 6-OZ. (110)	4-LBS., 0-OZ. (1.82)	4-LBS., 12-OZ. (2.16)	5-LBS., 15-OZ. (2.70)
Factory Supplied	NOM.	YES	YES	YES
Line Size - OD Gas ^⑤ in. (mm)	3/4 (0.053)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)
Line Size - OD Liq. ^⑤ in. (mm)	5/16 (1.35)	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.	24-3/4 X 20 X 20	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)	(629 X 508 X 508)	765 x 678 x 767	(765 x 678 x 767)	(843 x 678 x 767)
Uncrated	SEE OUTLINE DRAWINGS			
Weight lbs. (kg)				
Shipping	121 (54.9)	175 (79.5)	178 (80.9)	215 (97.7)
Net	117 (53.1)	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 COIL OF APPLICABLE TYPE. 95F (35C) D.B. ENTERING AIR TO OUTDOOR COIL. INDOOR COIL AND UNIT CONNECTED BY 25 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 UNIT NAMEPLATE AND SERVICE INSTRUCTIONS.
- ⑤ MAX. OF 80 FT. (24.38 METERS) TOTAL MEASURED LENGTH INCLUDING 60 FT. (18.29 METERS) MAX. LIFT BETWEEN O.D. AND I.D. SECTIONS.
- ⑥ THIS VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAX. FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑦ NO MEANS NO START COMPONENTS. YES MEANS QUICK START KIT COMPONENTS. PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



General Data

2TTA

2TTA Product Specifications ^{①②}

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
Factory Installed				
Start Components ^⑦	NO	NO	NO	NO
Insulation/Sound Blanket	NO	NO	NO	NO
Compressor Heat	YES	YES	YES	YES
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 COIL OF APPLICABLE TYPE. 95F (35C) D.B. ENTERING AIR TO OUTDOOR COIL. INDOOR COIL AND UNIT CONNECTED BY 25 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 UNIT NAMEPLATE AND SERVICE INSTRUCTIONS.
- ⑤ MAX. OF 80 FT. (24.38 METERS) TOTAL MEASURED LENGTH INCLUDING 60 FT. (18.29 METERS) MAX. LIFT BETWEEN O.D. AND I.D. SECTIONS.
- ⑥ THIS VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAX. FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑦ NO MEANS NO START COMPONENTS. YES MEANS QUICK START KIT COMPONENTS. PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



Performance Data

Cooling

English Units

TTB520CA-B WITH TWE030CA4 AT 700 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	18.4	15.6	16.9	18.2	18.8*	19.3*	1.41	47.2
	63	19.9	13.1	14.4	15.7	17.0	18.2	1.45	51.1
	67	21.3	10.4	11.7	12.9	14.2	15.5	1.50	55.3
	71	22.8	7.6	8.9	10.1	11.4	12.7	1.55	59.5
90	59	18.1	15.5	16.7	18.0	18.5*	19.0*	1.47	47.5
	63	19.4	13.0	14.2	15.5	16.8	18.1	1.52	51.4
	67	20.9	10.2	11.5	12.8	14.0	15.3	1.57	55.6
	71	22.3	7.4	8.7	10.0	11.2	12.5	1.62	59.9
95	59	17.7	15.3	16.6	17.8*	18.2*	18.6*	1.54	47.8
	63	19.0	12.8	14.1	15.3	16.6	17.9	1.59	51.7
	67	20.4	10.0	11.3	12.6	13.9	15.1	1.63	55.9
	71	21.8	7.2	8.5	9.8	11.1	12.3	1.68	60.2
100	59	17.2	15.1	16.4	17.4*	17.8*	18.2*	1.61	48.1
	63	18.5	12.6	13.9	15.1	16.4	17.7	1.66	52.0
	67	19.8	9.8	11.1	12.4	13.7	14.9	1.70	56.2
	71	21.2	7.0	8.3	9.6	10.8	12.1	1.75	60.5
105	59	16.8	14.9	16.2	17.0*	17.4*	17.8*	1.68	48.4
	63	18.0	12.4	13.7	14.9	16.2	17.5	1.73	52.4
	67	19.3	9.6	10.9	12.2	13.4	14.7	1.78	56.6
	71	20.6	6.8	8.1	9.4	10.6	11.9	1.82	60.9
115	59	15.8	14.5	15.8	16.2*	16.6*	17.0*	1.83	49.1
	63	16.9	12.0	13.2	14.5	15.8	17.0*	1.87	53.1
	67	18.1	9.2	10.5	11.8	13.0	14.3	1.92	57.3
	71	19.4	6.4	7.7	8.9	10.2	11.5	1.96	61.6
120	59	15.3	14.3	15.4*	15.8*	16.2*	16.6*	1.91	49.5
	63	16.4	11.8	13.0	14.3	15.6	16.6*	1.95	53.4
	67	17.6	9.0	10.3	11.5	12.8	14.1	1.99	57.7
	71	18.7	6.2	7.5	8.7	10.0	11.3	2.03	62.0

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	625	825
TOTAL CAP.	X0.99	X1.02
SENS. CAP.	X0.95	X1.08
COMPR. KW	X0.99	X1.01
A.D.P.	-1.1	1.4

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 20500 BTUH

AIRFLOW = 725 CFM
APP. DEW PT. = 56.2 DEG. F
COMPRESSOR POWER = 1638 WATTS
I.D. FAN POWER = 310 WATTS
O.D. FAN POWER = 130 WATTS
E.E.R. = 9.40 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCT.
AND 5/16 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)
TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.

2TTB0524AA WITH TWE030CA4 AT 900 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	23.9	21.1	22.8	24.1*	24.7*	25.3*	2.40	48.3
	63	25.7	17.8	19.5	21.2	22.9	24.6	2.46	52.1
	67	27.6	14.2	15.9	17.6	19.3	20.9	2.52	56.3
	71	29.6	10.5	12.2	13.9	15.5	17.2	2.58	60.5
90	59	23.6	21.0	22.7	23.9*	24.5*	25.1*	2.50	48.4
	63	25.4	17.7	19.4	21.1	22.8	24.5	2.56	52.3
	67	27.3	14.1	15.8	17.5	19.1	20.8	2.62	56.4
	71	29.3	10.4	12.1	13.7	15.4	17.1	2.68	60.7
95	59	23.3	20.9	22.6	23.7*	24.3*	24.9*	2.59	48.6
	63	25.1	17.6	19.3	21.0	22.7	24.3	2.65	52.5
	67	27.0	14.0	15.6	17.3	19.0	20.7	2.71	56.6
	71	28.9	10.2	11.9	13.6	15.3	17.0	2.78	60.8
100	59	22.6	20.5	22.2	23.1*	23.7*	24.2*	2.67	49.0
	63	24.3	17.3	18.9	20.6	22.3	24.0	2.73	52.9
	67	26.2	13.6	15.3	17.0	18.7	20.4	2.79	57.1
	71	28.0	9.9	11.6	13.3	15.0	16.7	2.85	61.3
105	59	21.9	20.2	21.9*	22.5*	23.0*	23.6*	2.76	49.5
	63	23.6	16.9	18.6	20.3	22.0	23.6*	2.81	53.3
	67	25.3	13.3	15.0	16.7	18.3	20.0	2.87	57.5
	71	27.1	9.6	11.3	13.0	14.6	16.3	2.93	61.7
115	59	20.4	19.5	20.7*	21.2*	21.8*	22.3*	2.92	50.3
	63	22.0	16.2	17.9	19.6	21.3	22.3*	2.97	54.2
	67	23.6	12.6	14.3	16.0	17.7	19.4	3.02	58.4
	71	25.3	8.9	10.6	12.3	14.0	15.7	3.08	62.6
120	59	19.7	19.2	20.1*	20.6*	21.1*	21.6*	3.01	50.8
	63	21.2	15.9	17.6	19.3	21.0	21.6*	3.05	54.6
	67	22.8	12.3	14.0	15.7	17.3	19.0	3.10	58.8
	71	24.4	8.6	10.3	12.0	13.6	15.3	3.15	63.1

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	775	1025
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01
A.D.P.	-1.5	1.2

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 27000 BTUH

AIRFLOW = 900 CFM
APP. DEW PT. = 56.6 DEG. F
COMPRESSOR POWER = 2143 WATTS
I.D. FAN POWER = 425 WATTS
O.D. FAN POWER = 146 WATTS
S.E.E.R. = 10.19 BTUH/WATT
E.E.R. = 9.33 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCT.
AND 5/16 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)
TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.



Performance Data Cooling

Metric Units

TTB520CA-B WITH TWE030CA4 AT 1189 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	5.4	4.6	5.0	5.3	5.5*	5.7*	1.4
	17.2	5.8	3.8	4.2	4.6	5.0	5.3	1.5
	19.4	6.2	3.0	3.4	3.8	4.2	4.5	1.5
	21.7	6.7	2.2	2.6	3.0	3.3	3.7	1.5
32.2	15.0	5.3	4.5	4.9	5.3	5.4*	5.6*	1.5
	17.2	5.7	3.8	4.2	4.5	4.9	5.3	1.5
	19.4	6.1	3.0	3.4	3.8	4.1	4.5	1.6
	21.7	6.5	2.2	2.5	2.9	3.3	3.7	1.6
35.0	15.0	5.2	4.5	4.9	5.2*	5.3*	5.4*	1.5
	17.2	5.6	3.8	4.1	4.5	4.9	5.2	1.6
	19.4	6.0	2.9	3.3	3.7	4.1	4.4	1.6
	21.7	6.4	2.1	2.5	2.9	3.3	3.6	1.7
37.8	15.0	5.0	4.4	4.8	5.1*	5.2*	5.3*	1.6
	17.2	5.4	3.7	4.1	4.4	4.8	5.2	1.7
	19.4	5.8	2.9	3.3	3.6	4.0	4.4	1.7
	21.7	6.2	2.1	2.4	2.8	3.2	3.5	1.8
40.6	15.0	4.9	4.4	4.7	5.0*	5.1*	5.2*	1.7
	17.2	5.3	3.6	4.0	4.4	4.7	5.1	1.7
	19.4	5.7	2.8	3.2	3.6	3.9	4.3	1.8
	21.7	6.0	2.0	2.4	2.8	3.1	3.5	1.8
46.1	15.0	4.6	4.2	4.6	4.7*	4.9*	5.0*	1.8
	17.2	5.0	3.5	3.9	4.2	4.6	5.0*	1.9
	19.4	5.3	2.7	3.1	3.5	3.8	4.2	1.9
	21.7	5.7	1.9	2.3	2.6	3.0	3.4	2.0
48.9	15.0	4.5	4.2	4.5*	4.6*	4.7*	4.9*	1.9
	17.2	4.8	3.5	3.8	4.2	4.6	4.9*	2.0
	19.4	5.2	2.6	3.0	3.4	3.8	4.1	2.0
	21.7	5.5	1.8	2.2	2.5	2.9	3.3	2.0

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1061	1401
TOTAL CAP.	X0.99	X1.02
SENS. CAP.	X0.95	X1.08
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 6.01 KW

AIRFLOW = 1231 CMH

COMPRESSOR POWER = 1638 WATTS

I.D. FAN POWER = 310 WATTS

O.D. FAN POWER = 130 WATTS

E.E.R. = 9.40 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCT.
AND 5/16 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.

ARE VALID ONLY FOR WET COIL

ALL TEMPERATURES IN DEGREES C.

2TTB0524AA WITH TWE030CA4 AT 1528 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	7.0	6.2	6.7	7.1*	7.2*	7.4*	2.4
	17.2	7.5	5.2	5.7	6.2	6.7	7.2	2.5
	19.4	8.1	4.2	4.7	5.2	5.7	6.1	2.5
	21.7	8.7	3.1	3.6	4.1	4.5	5.0	2.6
32.2	15.0	6.9	6.2	6.7	7.0*	7.2*	7.4*	2.5
	17.2	7.4	5.2	5.7	6.2	6.7	7.2	2.6
	19.4	8.0	4.1	4.6	5.1	5.6	6.1	2.6
	21.7	8.6	3.0	3.5	4.0	4.5	5.0	2.7
35.0	15.0	6.8	6.1	6.6	6.9*	7.1*	7.3*	2.6
	17.2	7.4	5.2	5.7	6.2	6.7	7.1	2.7
	19.4	7.9	4.1	4.6	5.1	5.6	6.1	2.7
	21.7	8.5	3.0	3.5	4.0	4.5	5.0	2.8
37.8	15.0	6.6	6.0	6.5	6.8*	6.9*	7.1*	2.7
	17.2	7.1	5.1	5.5	6.0	6.5	7.0	2.7
	19.4	7.7	4.0	4.5	5.0	5.5	6.0	2.8
	21.7	8.2	2.9	3.4	3.9	4.4	4.9	2.8
40.6	15.0	6.4	5.9	6.4*	6.6*	6.7*	6.9*	2.8
	17.2	6.9	5.0	5.4	5.9	6.4	6.9*	2.8
	19.4	7.4	3.9	4.4	4.9	5.4	5.9	2.9
	21.7	7.9	2.8	3.3	3.8	4.3	4.8	2.9
46.1	15.0	6.0	5.7	6.1*	6.2*	6.4*	6.5*	2.9
	17.2	6.4	4.7	5.2	5.7	6.2	6.5*	3.0
	19.4	6.9	3.7	4.2	4.7	5.2	5.7	3.0
	21.7	7.4	2.6	3.1	3.6	4.1	4.6	3.1
48.9	15.0	5.8	5.6	5.9*	6.0*	6.2*	6.3*	3.0
	17.2	6.2	4.7	5.2	5.7	6.2	6.3*	3.0
	19.4	6.7	3.6	4.1	4.6	5.1	5.6	3.1
	21.7	7.1	2.5	3.0	3.5	4.0	4.5	3.2

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1316	1741
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 7.91 KW

AIRFLOW = 1528 CMH

COMPRESSOR POWER = 2143 WATTS

I.D. FAN POWER = 425 WATTS

O.D. FAN POWER = 146 WATTS

S.E.E.R. = 10.19 BTUH/WATT

E.E.R. = 9.33 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCT.
AND 5/16 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.

ARE VALID ONLY FOR WET COIL

ALL TEMPERATURES IN DEGREES C.



Performance Data

Cooling

English Units

2TTB0530AA WITH TWE030CA4 AT 1000 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	26.7	23.4	25.3	26.8*	27.5*	28.2*	2.79	48.0
	63	28.7	19.8	21.6	23.5	25.3	27.2	2.86	51.9
	67	30.7	15.8	17.6	19.4	21.3	23.1	2.93	56.1
	71	32.8	11.6	13.5	15.3	17.2	19.0	3.01	60.4
90	59	26.4	23.3	25.1	26.6*	27.3*	27.9*	2.91	48.2
	63	28.3	19.6	21.5	23.3	25.2	27.0	2.98	52.1
	67	30.3	15.6	17.5	19.3	21.2	23.0	3.05	56.3
	71	32.4	11.5	13.4	15.2	17.0	18.9	3.13	60.6
95	59	26.1	23.1	25.0	26.3*	27.0*	27.6*	3.03	48.4
	63	28.0	19.5	21.3	23.2	25.0	26.9	3.10	52.3
	67	30.0	15.5	17.3	19.2	21.0	22.9	3.18	56.5
	71	32.1	11.4	13.2	15.1	16.9	18.8	3.25	60.7
100	59	25.2	22.7	24.6	25.6*	26.3*	26.9*	3.13	48.9
	63	27.1	19.1	20.9	22.8	24.6	26.5	3.20	52.8
	67	29.0	15.1	16.9	18.8	20.6	22.5	3.28	57.0
	71	31.0	11.0	12.8	14.7	16.5	18.4	3.36	61.2
105	59	24.3	22.3	24.2	24.9*	25.5*	26.1*	3.24	49.4
	63	26.1	18.7	20.5	22.4	24.2	26.1	3.31	53.3
	67	28.0	14.7	16.5	18.4	20.2	22.1	3.38	57.5
	71	30.0	10.6	12.4	14.3	16.1	18.0	3.46	61.7
115	59	22.6	21.5	22.8*	23.5*	24.0*	24.6*	3.45	50.3
	63	24.3	17.9	19.7	21.6	23.4	24.6*	3.51	54.2
	67	26.0	13.9	15.7	17.6	19.4	21.3	3.58	58.4
	71	27.8	9.8	11.7	13.5	15.3	17.2	3.65	62.7
120	59	21.7	21.1	22.1*	22.7*	23.3*	23.8*	3.56	50.8
	63	23.3	17.5	19.4	21.2	23.0	23.8*	3.62	54.7
	67	25.0	13.5	15.3	17.2	19.0	20.9	3.68	58.9
	71	26.8	9.4	11.3	13.1	15.0	16.8	3.75	63.2

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	875	1125
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.05
COMPR. KW	X0.99	X1.01
A.D.P.	-1.4	1.1

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 30000 BTUH

AIRFLOW = 1000 CFM
APP. DEW PT. = 56.5 DEG. F
COMPRESSOR POWER = 2591 WATTS
I.D. FAN POWER = 437 WATTS
O.D. FAN POWER = 149 WATTS
S.E.E.R. = 9.95 BTUH/WATT
E.E.R. = 8.96 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 7/8 SUCT.
AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)
TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.

2TTB0530AA WITH TWE040CA4-B AT 1100 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	28.7	25.7	27.8	29.1*	29.8*	30.5*	2.71	48.4
	63	30.7	21.5	23.6	25.7	27.8	29.9	2.78	52.4
	67	32.8	16.9	19.0	21.1	23.2	25.3	2.85	56.6
	71	35.0	12.2	14.3	16.4	18.5	20.6	2.93	61.0
90	59	28.3	25.5	27.6	28.8*	29.5*	30.1*	2.83	48.6
	63	30.3	21.3	23.4	25.5	27.6	29.8	2.90	52.6
	67	32.3	16.7	18.8	20.9	23.0	25.1	2.98	56.8
	71	34.5	12.0	14.1	16.3	18.4	20.5	3.06	61.2
95	59	27.9	25.3	27.4	28.5*	29.1*	29.8*	2.96	48.8
	63	29.9	21.1	23.3	25.4	27.5	29.6	3.03	52.8
	67	31.9	16.5	18.7	20.8	22.9	25.0	3.11	57.0
	71	34.0	11.9	14.0	16.1	18.2	20.3	3.18	61.3
100	59	26.9	24.9	27.0*	27.7*	28.3*	28.9*	3.06	49.2
	63	28.9	20.7	22.8	24.9	27.0	28.9*	3.13	53.2
	67	30.8	16.1	18.2	20.3	22.4	24.6	3.21	57.4
	71	32.9	11.5	13.6	15.7	17.8	19.9	3.29	61.8
105	59	26.0	24.5	26.2*	26.9*	27.5*	28.1*	3.16	49.7
	63	27.9	20.3	22.4	24.5	26.6	28.1*	3.24	53.6
	67	29.8	15.7	17.8	19.9	22.0	24.1	3.31	57.9
	71	31.8	11.0	13.2	15.3	17.4	19.5	3.39	62.2
115	59	24.1	23.7	24.6*	25.2*	25.8*	26.4*	3.38	50.5
	63	25.9	19.5	21.6	23.7	25.8	26.4*	3.45	54.5
	67	27.6	14.9	17.0	19.1	21.2	23.3	3.52	58.7
	71	29.5	10.2	12.3	14.4	16.6	18.7	3.59	63.0
120	59	23.2	23.2*	23.8*	24.4*	25.0*	25.6*	3.49	50.9
	63	24.8	19.1	21.2	23.3	25.0*	25.6*	3.55	54.9
	67	26.6	14.5	16.6	18.7	20.8	22.9	3.62	59.1
	71	28.4	9.8	11.9	14.0	16.1	18.3	3.69	63.5

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	950	1250
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.93	X1.06
COMPR. KW	X0.99	X1.01
A.D.P.	-1.4	1.1

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 32000 BTUH

AIRFLOW = 1125 CFM
APP. DEW PT. = 57.2 DEG. F
COMPRESSOR POWER = 2660 WATTS
I.D. FAN POWER = 309 WATTS
O.D. FAN POWER = 149 WATTS
S.E.E.R. = 11.00 BTUH/WATT
E.E.R. = 9.80 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 7/8 SUCT.
AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)
TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.



Performance Data Cooling

Metric Units

2TTB0530AA WITH TWE030CA4 AT 1698 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	7.8	6.9	7.4	7.9*	8.1*	8.3*	2.8
	17.2	8.4	5.8	6.3	6.9	7.4	8.0	2.9
	19.4	9.0	4.6	5.2	5.7	6.2	6.8	2.9
	21.7	9.6	3.4	4.0	4.5	5.0	5.6	3.0
32.2	15.0	7.7	6.8	7.4	7.8*	8.0*	8.2*	2.9
	17.2	8.3	5.7	6.3	6.8	7.4	7.9	3.0
	19.4	8.9	4.6	5.1	5.7	6.2	6.7	3.0
	21.7	9.5	3.4	3.9	4.5	5.0	5.5	3.1
35.0	15.0	7.6	6.8	7.3	7.7*	7.9*	8.1*	3.0
	17.2	8.2	5.7	6.2	6.8	7.3	7.9	3.1
	19.4	8.8	4.5	5.1	5.6	6.2	6.7	3.2
	21.7	9.4	3.3	3.9	4.4	5.0	5.5	3.3
37.8	15.0	7.4	6.7	7.2	7.5*	7.7*	7.9*	3.1
	17.2	7.9	5.6	6.1	6.7	7.2	7.8	3.2
	19.4	8.5	4.4	5.0	5.5	6.0	6.6	3.3
	21.7	9.1	3.2	3.8	4.3	4.8	5.4	3.4
40.6	15.0	7.1	6.5	7.1	7.3*	7.5*	7.6*	3.2
	17.2	7.6	5.5	6.0	6.6	7.1	7.6	3.3
	19.4	8.2	4.3	4.8	5.4	5.9	6.5	3.4
	21.7	8.8	3.1	3.6	4.2	4.7	5.3	3.5
46.1	15.0	6.6	6.3	6.7*	6.9*	7.0*	7.2*	3.5
	17.2	7.1	5.2	5.8	6.3	6.9	7.2*	3.5
	19.4	7.6	4.1	4.6	5.2	5.7	6.2	3.6
	21.7	8.1	2.9	3.4	4.0	4.5	5.0	3.7
48.9	15.0	6.4	6.2	6.5*	6.7*	6.8*	7.0*	3.6
	17.2	6.8	5.1	5.7	6.2	6.7	7.0*	3.6
	19.4	7.3	4.0	4.5	5.0	5.6	6.1	3.7
	21.7	7.9	2.8	3.3	3.8	4.4	4.9	3.8

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1486	1910
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.05
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 8.79 KW
 AIRFLOW = 1698 CMH
 COMPRESSOR POWER = 2591 WATTS
 I.D. FAN POWER = 437 WATTS
 O.D. FAN POWER = 149 WATTS
 S.E.E.R. = 9.95 BTUH/WATT
 E.E.R. = 8.96 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 7/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.

2TTB0530AA WITH TWE040CA4-B AT 1868 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	8.4	7.5	8.1	8.5*	8.7*	8.9*	2.7
	17.2	9.0	6.3	6.9	7.5	8.1	8.8	2.8
	19.4	9.6	5.0	5.6	6.2	6.8	7.4	2.8
	21.7	10.3	3.6	4.2	4.8	5.4	6.0	2.9
32.2	15.0	8.3	7.5	8.1	8.4*	8.6*	8.8*	2.8
	17.2	8.9	6.2	6.9	7.5	8.1	8.7	2.9
	19.4	9.5	4.9	5.5	6.1	6.7	7.4	3.0
	21.7	10.1	3.5	4.1	4.8	5.4	6.0	3.1
35.0	15.0	8.2	7.4	8.0	8.4*	8.5*	8.7*	3.0
	17.2	8.8	6.2	6.8	7.4	8.1	8.7	3.0
	19.4	9.3	4.8	5.5	6.1	6.7	7.3	3.1
	21.7	10.0	3.5	4.1	4.7	5.3	5.9	3.2
37.8	15.0	7.9	7.3	7.9*	8.1*	8.3*	8.5*	3.1
	17.2	8.5	6.1	6.7	7.3	7.9	8.5*	3.1
	19.4	9.0	4.7	5.3	5.9	6.6	7.2	3.2
	21.7	9.6	3.4	4.0	4.6	5.2	5.8	3.3
40.6	15.0	7.6	7.2	7.7*	7.9*	8.1*	8.2*	3.2
	17.2	8.2	5.9	6.6	7.2	7.8	8.2*	3.2
	19.4	8.7	4.6	5.2	5.8	6.4	7.1	3.3
	21.7	9.3	3.2	3.9	4.5	5.1	5.7	3.4
46.1	15.0	7.1	6.9	7.2*	7.4*	7.6*	7.7*	3.4
	17.2	7.6	5.7	6.3	6.9	7.6	7.7*	3.5
	19.4	8.1	4.4	5.0	5.6	6.2	6.8	3.5
	21.7	8.6	3.0	3.6	4.2	4.9	5.5	3.6
48.9	15.0	6.8	6.8*	7.0*	7.1*	7.3*	7.5*	3.5
	17.2	7.3	5.6	6.2	6.8	7.3*	7.5*	3.5
	19.4	7.8	4.2	4.9	5.5	6.1	6.7	3.6
	21.7	8.3	2.9	3.5	4.1	4.7	5.4	3.7

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1613	2123
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.93	X1.06
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 9.38 KW
 AIRFLOW = 1910 CMH
 COMPRESSOR POWER = 2660 WATTS
 I.D. FAN POWER = 309 WATTS
 O.D. FAN POWER = 149 WATTS
 S.E.E.R. = 11.00 BTUH/WATT
 E.E.R. = 9.80 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 7/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.



Performance Data Cooling

English Units

2TTB0536AA WITH TWE030CA4 AT 1100 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	32.4	27.1	29.1	31.1	32.7*	33.6*	3.21	47.0
	63	35.0	23.3	25.3	27.3	29.3	31.3	3.30	50.7
	67	37.8	19.0	21.0	23.0	25.0	27.0	3.39	54.7
	71	40.6	14.6	16.6	18.6	20.6	22.6	3.48	58.8
90	59	32.0	26.9	28.9	30.9	32.4*	33.2*	3.34	47.2
	63	34.6	23.1	25.1	27.1	29.1	31.1	3.43	50.9
	67	37.3	18.8	20.8	22.8	24.8	26.8	3.53	55.0
	71	40.1	14.4	16.4	18.4	20.4	22.4	3.63	59.1
95	59	31.6	26.7	28.7	30.7	32.0*	32.9*	3.48	47.4
	63	34.2	22.9	24.9	26.9	28.9	30.9	3.57	51.2
	67	36.9	18.6	20.6	22.6	24.6	26.6	3.67	55.2
	71	39.7	14.2	16.2	18.2	20.2	22.3	3.76	59.3
100	59	30.5	26.2	28.2	30.2	31.2*	32.0*	3.59	48.1
	63	33.0	22.3	24.4	26.4	28.4	30.4	3.68	51.8
	67	35.6	18.1	20.1	22.1	24.1	26.1	3.78	55.8
	71	38.3	13.7	15.7	17.7	19.7	21.7	3.87	59.9
105	59	29.4	25.7	27.7	29.5*	30.3*	31.1*	3.71	48.7
	63	31.8	21.8	23.8	25.8	27.9	29.9	3.79	52.4
	67	34.3	17.5	19.6	21.6	23.6	25.6	3.89	56.4
	71	36.9	13.2	15.2	17.2	19.2	21.2	3.98	60.6
115	59	27.1	24.6	26.6	27.7*	28.5*	29.2*	3.94	49.8
	63	29.4	20.8	22.8	24.8	26.8	28.8	4.02	53.6
	67	31.7	16.5	18.5	20.5	22.5	24.5	4.10	57.7
	71	34.2	12.1	14.1	16.2	18.2	20.2	4.19	61.8
120	59	26.0	24.1	26.1*	26.8*	27.5*	28.2*	4.06	50.4
	63	28.2	20.3	22.3	24.3	26.3	28.2*	4.14	54.2
	67	30.5	16.0	18.0	20.0	22.0	24.0	4.21	58.2
	71	32.8	11.6	13.6	15.6	17.7	19.7	4.29	62.4

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	950	1250
TOTAL CAP.	X0.98	X1.02
SENS. CAP.	X0.94	X1.05
COMPR. KW	X0.99	X1.01
A.D.P.	-1.8	1.4

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 37000 BTUH

AIRFLOW = 1125 CFM
APP. DEW PT. = 55.4 DEG. F
COMPRESSOR POWER = 2959 WATTS
I.D. FAN POWER = 541 WATTS
O.D. FAN POWER = 187 WATTS
S.E.E.R. = 10.48 BTUH/WATT
E.E.R. = 9.43 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 7/8 SUCT.
AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.

2TTB0536AA WITH TWE040CA4-B AT 1400 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	35.5	32.0	34.6	36.1*	37.1*	38.0*	3.21	48.6
	63	38.2	26.9	29.5	32.2	34.8	37.4	3.30	52.5
	67	41.1	21.3	23.9	26.5	29.1	31.7	3.40	56.6
	71	44.0	15.5	18.1	20.7	23.4	26.0	3.50	60.9
90	59	35.0	31.8	34.4	35.7*	36.6*	37.5*	3.36	48.8
	63	37.7	26.7	29.3	31.9	34.5	37.2	3.45	52.7
	67	40.5	21.0	23.7	26.3	28.9	31.5	3.55	56.8
	71	43.4	15.3	17.9	20.5	23.1	25.8	3.65	61.1
95	59	34.5	31.5	34.2	35.3*	36.2*	37.1*	3.50	49.0
	63	37.1	26.4	29.1	31.7	34.3	36.9	3.60	52.9
	67	39.9	20.8	23.4	26.0	28.7	31.3	3.69	57.0
	71	42.8	15.0	17.7	20.3	22.9	25.5	3.80	61.3
100	59	33.2	31.0	33.3*	34.3*	35.1*	36.0*	3.61	49.5
	63	35.8	25.9	28.5	31.1	33.7	36.0*	3.71	53.4
	67	38.5	20.2	22.9	25.5	28.1	30.7	3.80	57.5
	71	41.2	14.5	17.1	19.7	22.3	25.0	3.90	61.8
105	59	32.0	30.4	32.3*	33.2*	34.0*	34.9*	3.72	49.9
	63	34.5	25.3	27.9	30.5	33.2	34.9*	3.81	53.8
	67	37.0	19.7	22.3	24.9	27.5	30.1	3.91	58.0
	71	39.7	13.9	16.5	19.2	21.8	24.4	4.01	62.2
115	59	29.5	29.3	30.3*	31.1*	31.9*	32.7*	3.95	50.9
	63	31.8	24.2	26.8	29.4	31.9*	32.7*	4.04	54.7
	67	34.2	18.6	21.2	23.8	26.4	29.0	4.12	58.9
	71	36.7	12.8	15.4	18.1	20.7	23.3	4.22	63.2
120	59	28.2	28.4*	29.2*	30.0*	30.8*	31.5*	4.07	51.3
	63	30.5	23.6	26.3	28.9	30.8*	31.5*	4.15	55.2
	67	32.8	18.0	20.6	23.2	25.9	28.5	4.23	59.4
	71	35.2	12.3	14.9	17.5	20.1	22.8	4.32	63.6

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1225	1575
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01
A.D.P.	-1.3	1.0

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 40000 BTUH

AIRFLOW = 1430 CFM
APP. DEW PT. = 57.2 DEG. F
COMPRESSOR POWER = 3114 WATTS
I.D. FAN POWER = 410 WATTS
O.D. FAN POWER = 187 WATTS
S.E.E.R. = 11.61 BTUH/WATT
E.E.R. = 10.31 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 7/8 SUCT.
AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.



Performance Data Cooling

Metric Units

2TTB0536AA WITH TWE030CA4 AT 1868 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	9.5	7.9	8.5	9.1	9.6*	9.8*	3.2
	17.2	10.3	6.8	7.4	8.0	8.6	9.2	3.3
	19.4	11.1	5.6	6.2	6.7	7.3	7.9	3.4
	21.7	11.9	4.3	4.9	5.4	6.0	6.6	3.5
32.2	15.0	9.4	7.9	8.5	9.1	9.5*	9.7*	3.3
	17.2	10.1	6.8	7.4	7.9	8.5	9.1	3.4
	19.4	10.9	5.5	6.1	6.7	7.3	7.9	3.5
	21.7	11.7	4.2	4.8	5.4	6.0	6.6	3.6
35.0	15.0	9.3	7.8	8.4	9.0	9.4*	9.6*	3.5
	17.2	10.0	6.7	7.3	7.9	8.5	9.1	3.6
	19.4	10.8	5.4	6.0	6.6	7.2	7.8	3.7
	21.7	11.6	4.2	4.7	5.3	5.9	6.5	3.8
37.8	15.0	8.9	7.7	8.3	8.8	9.1*	9.4*	3.6
	17.2	9.7	6.5	7.1	7.7	8.3	8.9	3.7
	19.4	10.4	5.3	5.9	6.5	7.1	7.6	3.8
	21.7	11.2	4.0	4.6	5.2	5.8	6.4	3.9
40.6	15.0	8.6	7.5	8.1	8.6*	8.9*	9.1*	3.7
	17.2	9.3	6.4	7.0	7.6	8.2	8.8	3.8
	19.4	10.0	5.1	5.7	6.3	6.9	7.5	3.9
	21.7	10.8	3.9	4.5	5.0	5.6	6.2	4.0
46.1	15.0	7.9	7.2	7.8	8.1*	8.4*	8.6*	3.9
	17.2	8.6	6.1	6.7	7.3	7.9	8.4	4.0
	19.4	9.3	4.8	5.4	6.0	6.6	7.2	4.1
	21.7	10.0	3.5	4.1	4.7	5.3	5.9	4.2
48.9	15.0	7.6	7.1	7.6*	7.9*	8.1*	8.3*	4.1
	17.2	8.3	5.9	6.5	7.1	7.7	8.3*	4.1
	19.4	8.9	4.7	5.3	5.9	6.4	7.0	4.2
	21.7	9.6	3.4	4.0	4.6	5.2	5.8	4.3

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1613	2123
TOTAL CAP.	X0.98	X1.02
SENS. CAP.	X0.94	X1.05
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 10.84 KW
 AIRFLOW = 1910 CMH
 COMPRESSOR POWER = 2959 WATTS
 I.D. FAN POWER = 541 WATTS
 O.D. FAN POWER = 187 WATTS
 S.E.E.R. = 10.48 BTUH/WATT
 E.E.R. = 9.43 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 7/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.

2TTB0536AA WITH TWE040CA4-B AT 2378 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	10.4	9.4	10.1	10.6*	10.9*	11.1*	3.2
	17.2	11.2	7.9	8.6	9.4	10.2	11.0	3.3
	19.4	12.0	6.2	7.0	7.8	8.5	9.3	3.4
	21.7	12.9	4.5	5.3	6.1	6.9	7.6	3.5
32.2	15.0	10.3	9.3	10.1	10.5*	10.7*	11.0*	3.4
	17.2	11.0	7.8	8.6	9.3	10.1	10.9	3.5
	19.4	11.9	6.2	6.9	7.7	8.5	9.2	3.5
	21.7	12.7	4.5	5.2	6.0	6.8	7.6	3.7
35.0	15.0	10.1	9.2	10.0	10.3*	10.6*	10.9*	3.5
	17.2	10.9	7.7	8.5	9.3	10.0	10.8	3.6
	19.4	11.7	6.1	6.9	7.6	8.4	9.2	3.7
	21.7	12.5	4.4	5.2	5.9	6.7	7.5	3.8
37.8	15.0	9.7	9.1	9.8*	10.0*	10.3*	10.5*	3.6
	17.2	10.5	7.6	8.4	9.1	9.9	10.5*	3.7
	19.4	11.3	5.9	6.7	7.5	8.2	9.0	3.8
	21.7	12.1	4.2	5.0	5.8	6.5	7.3	3.9
40.6	15.0	9.4	8.9	9.5*	9.7*	10.0*	10.2*	3.7
	17.2	10.1	7.4	8.2	8.9	9.7	10.2*	3.8
	19.4	10.8	5.8	6.5	7.3	8.1	8.8	3.9
	21.7	11.6	4.1	4.8	5.6	6.4	7.1	4.0
46.1	15.0	8.6	8.6	8.9*	9.1*	9.3*	9.6*	4.0
	17.2	9.3	7.1	7.9	8.6	9.3*	9.6*	4.0
	19.4	10.0	5.4	6.2	7.0	7.7	8.5	4.1
	21.7	10.8	3.8	4.5	5.3	6.1	6.8	4.2
48.9	15.0	8.3	8.3*	8.6*	8.8*	9.0*	9.2*	4.1
	17.2	8.9	6.9	7.7	8.5	9.0*	9.2*	4.2
	19.4	9.6	5.3	6.0	6.8	7.6	8.4	4.2
	21.7	10.3	3.6	4.4	5.1	5.9	6.7	4.3

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	2080	2675
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 11.72 KW
 AIRFLOW = 2428 CMH
 COMPRESSOR POWER = 3114 WATTS
 I.D. FAN POWER = 410 WATTS
 O.D. FAN POWER = 187 WATTS
 S.E.E.R. = 11.61 BTUH/WATT
 E.E.R. = 10.31 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 7/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.



Performance Data

Cooling

English Units

2TTA0030AD WITH TWE030CA4 AT 1000 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	30.5	25.3	27.1	29.0	30.6*	31.4*	2.88	46.4
	63	32.9	21.7	23.6	25.4	27.3	29.1	2.95	50.5
	67	35.4	17.7	19.6	21.5	23.3	25.2	3.03	54.5
	71	38.0	13.7	15.5	17.4	19.2	21.1	3.11	58.6
90	59	30.1	25.1	26.9	28.8	30.3*	31.1*	3.00	46.9
	63	32.5	21.5	23.4	25.2	27.1	28.9	3.08	50.7
	67	35.0	17.6	19.4	21.3	23.1	25.0	3.15	54.7
	71	37.5	13.5	15.3	17.2	19.0	20.9	3.23	58.9
95	59	29.7	24.9	26.7	28.6	30.0*	30.8*	3.13	47.2
	63	32.0	21.3	23.2	25.0	26.9	28.7	3.21	51.0
	67	34.5	17.4	19.2	21.1	22.9	24.8	3.28	55.0
	71	37.0	13.3	15.2	17.0	18.9	20.7	3.36	59.1
100	59	28.6	24.3	26.2	28.1	29.1*	29.8*	3.24	47.9
	63	30.8	20.8	22.6	24.5	26.3	28.2	3.31	51.6
	67	33.2	16.8	18.7	20.5	22.4	24.2	3.38	55.7
	71	35.7	12.8	14.6	16.5	18.3	20.2	3.46	59.9
105	59	27.4	23.8	25.7	27.5*	28.2*	28.9*	3.34	48.5
	63	29.6	20.3	22.1	24.0	25.8	27.7	3.41	52.3
	67	31.9	16.3	18.1	20.0	21.9	23.7	3.48	56.4
	71	34.3	12.2	14.1	15.9	17.8	19.6	3.56	60.6
115	59	25.2	22.8	24.6	25.6*	26.3*	27.0*	3.56	49.8
	63	27.2	19.2	21.1	22.9	24.8	26.6	3.62	53.6
	67	29.3	15.2	17.1	18.9	20.8	22.6	3.69	57.7
	71	31.5	11.2	13.0	14.9	16.7	18.6	3.75	61.9
120	59	24.0	22.3	24.1*	24.8*	25.4*	26.0*	3.67	50.4
	63	26.0	18.7	20.5	22.4	24.2	26.0*	3.73	54.2
	67	28.0	14.7	16.6	18.4	20.3	22.1	3.79	58.4
	71	30.1	10.7	12.5	14.4	16.2	18.1	3.85	62.6

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	875	1125
TOTAL CAP.	X0.98	X1.02
SENS. CAP.	X0.95	X1.05
COMPR. KW	X0.99	X1.01
A.D.P.	-1.6	1.3

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 34500 BTUH

AIRFLOW = 1000 CFM
 APP. DEW PT. = 55.0 DEG. F
 COMPRESSOR POWER = 2662 WATTS
 I.D. FAN POWER = 437 WATTS
 O.D. FAN POWER = 184 WATTS
 S.E.E.R. = 11.07 BTUH/WATT
 E.E.R. = 9.91 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 7/8 SUCT.
 AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.

ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES F.

2TTA0030AD WITH TWE040CA4-B AT 1100 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	32.5	27.5	29.6	31.7	33.0*	33.8*	2.81	47.1
	63	35.0	23.3	25.5	27.6	29.7	31.8	2.88	51.0
	67	37.5	18.8	20.9	23.0	25.1	27.2	2.96	55.2
	71	40.2	14.2	16.3	18.4	20.5	22.6	3.04	59.4
90	59	32.0	27.2	29.3	31.4	32.6*	33.4*	2.94	47.4
	63	34.4	23.1	25.2	27.3	29.4	31.5	3.01	51.3
	67	36.9	18.6	20.7	22.8	24.9	27.0	3.09	55.4
	71	39.5	13.9	16.0	18.1	20.2	22.4	3.17	59.7
95	59	31.5	27.0	29.1	31.2	32.2*	33.0*	3.07	47.6
	63	33.9	22.9	25.0	27.1	29.2	31.3	3.14	51.5
	67	36.4	18.3	20.4	22.6	24.7	26.8	3.22	55.7
	71	38.9	13.7	15.8	17.9	20.0	22.1	3.30	59.9
100	59	30.3	26.4	28.5	30.4*	31.2*	31.9*	3.17	48.2
	63	32.6	22.3	24.4	26.5	28.6	30.7	3.24	52.1
	67	35.0	17.8	19.9	22.0	24.1	26.2	3.32	56.3
	71	37.4	13.1	15.2	17.4	19.5	21.6	3.40	60.5
105	59	29.0	25.9	28.0	29.4*	30.2*	30.9*	3.27	48.8
	63	31.3	21.8	23.9	26.0	28.1	30.2	3.35	52.7
	67	33.6	17.2	19.3	21.4	23.5	25.6	3.42	56.9
	71	35.9	12.6	14.7	16.8	18.9	21.0	3.50	61.1
115	59	26.6	24.8	26.7*	27.4*	28.1*	28.8*	3.49	49.9
	63	28.6	20.6	22.7	24.9	27.0	28.8*	3.55	53.8
	67	30.7	16.1	18.2	20.3	22.4	24.5	3.62	58.0
	71	32.9	11.5	13.6	15.7	17.8	19.9	3.69	62.3
120	59	25.4	24.2	25.7*	26.4*	27.0*	27.7*	3.60	50.5
	63	27.3	20.1	22.2	24.3	26.4	27.7*	3.66	54.4
	67	29.3	15.6	17.7	19.8	21.9	24.0	3.72	58.6
	71	31.4	10.9	13.0	15.2	17.3	19.4	3.79	62.9

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	950	1250
TOTAL CAP.	X0.97	X1.02
SENS. CAP.	X0.93	X1.06
COMPR. KW	X0.99	X1.01
A.D.P.	-1.6	1.3

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 36500 BTUH

AIRFLOW = 1125 CFM
 APP. DEW PT. = 55.9 DEG. F
 COMPRESSOR POWER = 2742 WATTS
 I.D. FAN POWER = 309 WATTS
 O.D. FAN POWER = 184 WATTS
 S.E.E.R. = 12.31 BTUH/WATT
 E.E.R. = 10.90 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 7/8 SUCT.
 AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT.

ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES F.



Performance Data Cooling

Metric Units

2TTA0030AD WITH TWE030CA4 AT 1698 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	8.9	7.4	7.9	8.5	9.0*	9.2*	2.9
	17.2	9.6	6.4	6.9	7.4	8.0	8.5	3.0
	19.4	10.4	5.2	5.7	6.3	6.8	7.4	3.0
	21.7	11.1	4.0	4.5	5.1	5.6	6.2	3.1
32.2	15.0	8.8	7.4	7.9	8.4	8.9*	9.1*	3.0
	17.2	9.5	6.3	6.9	7.4	7.9	8.5	3.1
	19.4	10.3	5.2	5.7	6.2	6.8	7.3	3.2
	21.7	11.0	4.0	4.5	5.0	5.6	6.1	3.2
35.0	15.0	8.7	7.3	7.8	8.4	8.8*	9.0*	3.1
	17.2	9.4	6.2	6.8	7.3	7.9	8.4	3.2
	19.4	10.1	5.1	5.6	6.2	6.7	7.3	3.3
	21.7	10.8	3.9	4.5	5.0	5.5	6.1	3.4
37.8	15.0	8.4	7.1	7.7	8.2	8.5*	8.7*	3.2
	17.2	9.0	6.1	6.6	7.2	7.7	8.3	3.3
	19.4	9.7	4.9	5.5	6.0	6.6	7.1	3.4
	21.7	10.5	3.8	4.3	4.8	5.4	5.9	3.5
40.6	15.0	8.0	7.0	7.5	8.1*	8.3*	8.5*	3.3
	17.2	8.7	5.9	6.5	7.0	7.6	8.1	3.4
	19.4	9.3	4.8	5.3	5.9	6.4	6.9	3.5
	21.7	10.0	3.6	4.1	4.7	5.2	5.7	3.6
46.1	15.0	7.4	6.7	7.2	7.5*	7.7*	7.9*	3.6
	17.2	8.0	5.6	6.2	6.7	7.3	7.8	3.6
	19.4	8.6	4.5	5.0	5.5	6.1	6.6	3.7
	21.7	9.2	3.3	3.8	4.4	4.9	5.4	3.8
48.9	15.0	7.0	6.5	7.1*	7.3*	7.4*	7.6*	3.7
	17.2	7.6	5.5	6.0	6.6	7.1	7.6*	3.7
	19.4	8.2	4.3	4.9	5.4	5.9	6.5	3.8
	21.7	8.8	3.1	3.7	4.2	4.7	5.3	3.8

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1486	1910
TOTAL CAP.	X0.98	X1.02
SENS. CAP.	X0.95	X1.05
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 10.11 KW
 AIRFLOW = 1698 CMH
 COMPRESSOR POWER = 2662 WATTS
 I.D. FAN POWER = 437 WATTS
 O.D. FAN POWER = 184 WATTS
 S.E.E.R. = 11.07 BTUH/WATT
 E.E.R. = 9.91 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 7/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.

2TTA0030AD WITH TWE040CA4-B AT 1868 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	9.5	8.1	8.7	9.3	9.7*	9.9*	2.8
	17.2	10.3	6.8	7.5	8.1	8.7	9.3	2.9
	19.4	11.0	5.5	6.1	6.7	7.4	8.0	3.0
	21.7	11.8	4.2	4.8	5.4	6.0	6.6	3.0
32.2	15.0	9.4	8.0	8.6	9.2	9.6*	9.8*	2.9
	17.2	10.1	6.8	7.4	8.0	8.6	9.2	3.0
	19.4	10.8	5.4	6.1	6.7	7.3	7.9	3.1
	21.7	11.6	4.1	4.7	5.3	5.9	6.6	3.2
35.0	15.0	9.2	7.9	8.5	9.1	9.4*	9.7*	3.1
	17.2	9.9	6.7	7.3	7.9	8.6	9.2	3.1
	19.4	10.7	5.4	6.0	6.6	7.2	7.9	3.2
	21.7	11.4	4.0	4.6	5.2	5.9	6.5	3.3
37.8	15.0	8.9	7.7	8.4	8.9*	9.1*	9.3*	3.2
	17.2	9.6	6.5	7.1	7.8	8.4	9.0	3.2
	19.4	10.3	5.2	5.8	6.4	7.1	7.7	3.3
	21.7	11.0	3.8	4.5	5.1	5.7	6.3	3.4
40.6	15.0	8.5	7.6	8.2	8.6*	8.8*	9.1*	3.3
	17.2	9.2	6.4	7.0	7.6	8.2	8.8	3.3
	19.4	9.8	5.0	5.7	6.3	6.9	7.5	3.4
	21.7	10.5	3.7	4.3	4.9	5.5	6.2	3.5
46.1	15.0	7.8	7.3	7.8*	8.0*	8.2*	8.4*	3.5
	17.2	8.4	6.0	6.7	7.3	7.9	8.4*	3.5
	19.4	9.0	4.7	5.3	5.9	6.6	7.2	3.6
	21.7	9.6	3.4	4.0	4.6	5.2	5.8	3.7
48.9	15.0	7.4	7.1	7.5*	7.7*	7.9*	8.1*	3.6
	17.2	8.0	5.9	6.5	7.1	7.7	8.1*	3.7
	19.4	8.6	4.6	5.2	5.8	6.4	7.0	3.7
	21.7	9.2	3.2	3.8	4.5	5.1	5.7	3.8

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1613	2123
TOTAL CAP.	X0.97	X1.02
SENS. CAP.	X0.93	X1.06
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 10.69 KW
 AIRFLOW = 1910 CMH
 COMPRESSOR POWER = 2742 WATTS
 I.D. FAN POWER = 309 WATTS
 O.D. FAN POWER = 184 WATTS
 S.E.E.R. = 12.31 BTUH/WATT
 E.E.R. = 10.90 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 7/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.



Performance Data

Cooling

English Units

2TTA0040AD WITH TWE040CA4-B AT 1500 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	38.5	34.5	37.3	39.1*	40.1*	41.0*	3.58	48.4
	63	41.4	29.0	31.8	34.6	37.4	40.2	3.71	52.3
	67	44.4	23.0	25.8	28.6	31.4	34.1	3.84	56.5
	71	47.5	16.8	19.6	22.4	25.2	28.0	3.97	60.8
90	59	37.9	34.2	37.0	38.6*	39.6*	40.5*	3.74	48.7
	63	40.8	28.8	31.6	34.3	37.1	39.9	3.88	52.6
	67	43.7	22.7	25.5	28.3	31.1	33.9	4.01	56.7
	71	46.8	16.5	19.3	22.1	24.9	27.7	4.16	61.0
95	59	37.3	34.0	36.8	38.1*	39.1*	40.0*	3.91	48.9
	63	40.1	28.5	31.3	34.1	36.9	39.7	4.04	52.8
	67	43.0	22.4	25.2	28.0	30.8	33.6	4.19	57.0
	71	46.1	16.3	19.1	21.9	24.6	27.4	4.34	61.2
100	59	35.8	33.3	35.9*	36.8*	37.7*	38.6*	4.04	49.5
	63	38.5	27.8	30.6	33.4	36.2	38.6*	4.18	53.4
	67	41.3	21.7	24.5	27.3	30.1	32.9	4.33	57.5
	71	44.2	15.6	18.4	21.2	24.0	26.7	4.48	61.8
105	59	34.2	32.6	34.6*	35.5*	36.4*	37.2*	4.16	50.0
	63	36.8	27.1	29.9	32.7	35.4	37.2*	4.31	53.9
	67	39.5	21.0	23.8	26.6	29.4	32.2	4.47	58.1
	71	42.3	14.9	17.7	20.5	23.3	26.0	4.62	62.4
115	59	31.1	31.1*	32.0*	32.8*	33.6*	34.5*	4.42	51.1
	63	33.5	25.7	28.5	31.3	33.6*	34.5*	4.58	55.0
	67	36.0	19.6	22.4	25.2	28.0	30.8	4.74	59.2
	71	38.5	13.5	16.3	19.1	21.9	24.7	4.91	63.5
120	59	29.5	29.8*	30.7*	31.5*	32.3*	33.0*	4.55	51.6
	63	31.8	25.0	27.8	30.6	32.3*	33.0*	4.71	55.5
	67	34.2	19.0	21.8	24.5	27.3	30.1	4.88	59.7
	71	36.6	12.8	15.6	18.4	21.2	24.0	5.05	64.0

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1300	1700
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01
A.D.P.	-1.4	1.1

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 43000 BTUH

AIRFLOW = 1498 CFM
APP. DEW PT. = 57.0 DEG. F
COMPRESSOR POWER = 3591 WATTS
I.D. FAN POWER = 423 WATTS
O.D. FAN POWER = 175 WATTS
S.E.E.R. = 11.18 BTUH/WATT
E.E.R. = 9.86 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 1 1/8 SUCT.
AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)
TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.

2TTA0040AD WITH TWE050CA5-C AT 1500 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	39.7	34.8	37.7	40.0*	41.0*	41.9*	3.69	48.0
	63	42.6	29.3	32.1	34.9	37.8	40.6	3.82	51.9
	67	45.6	23.2	26.0	28.8	31.6	34.5	3.95	56.1
	71	48.8	17.0	19.8	22.6	25.4	28.2	4.09	60.4
90	59	38.7	34.4	37.2	39.2*	40.2*	41.1*	3.84	48.3
	63	41.6	28.9	31.7	34.5	37.3	40.1	3.97	52.2
	67	44.5	22.7	25.6	28.4	31.2	34.0	4.11	56.4
	71	47.6	16.5	19.3	22.2	25.0	27.8	4.25	60.7
95	59	37.8	34.0	36.8	38.4*	39.4*	40.3*	3.98	48.6
	63	40.5	28.4	31.2	34.1	36.9	39.7	4.12	52.6
	67	43.4	22.3	25.1	27.9	30.8	33.6	4.26	56.8
	71	46.4	16.1	18.9	21.7	24.5	27.4	4.41	61.1
100	59	36.5	33.4	36.2	37.4*	38.3*	39.1*	4.13	49.1
	63	39.2	27.9	30.7	33.5	36.3	39.1	4.27	53.0
	67	41.9	21.7	24.6	27.4	30.2	33.0	4.42	57.2
	71	44.8	15.5	18.3	21.2	24.0	26.8	4.57	61.5
105	59	35.2	32.8	35.3*	36.3*	37.2*	38.0*	4.28	49.5
	63	37.8	27.3	30.1	32.9	35.7	38.0*	4.42	53.5
	67	40.5	21.2	24.0	26.8	29.6	32.4	4.58	57.7
	71	43.2	14.9	17.8	20.6	23.4	26.2	4.74	62.0
115	59	32.7	31.7	33.3*	34.1*	34.9*	35.7*	4.57	50.4
	63	35.0	26.2	29.0	31.8	34.6	35.7*	4.73	54.3
	67	37.5	20.0	22.9	25.7	28.5	31.3	4.89	58.6
	71	40.1	13.8	16.6	19.5	22.3	25.1	5.06	62.8
120	59	31.4	31.2	32.2*	33.0*	33.8*	34.6*	4.72	50.8
	63	33.7	25.6	28.4	31.2	33.8*	34.6*	4.88	54.7
	67	36.1	19.5	22.3	25.1	27.9	30.7	5.05	59.0
	71	38.5	13.3	16.1	18.9	21.7	24.5	5.22	63.3

CORRECTION FACTORS - OTHER AIRFLOWS
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1300	1700
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01
A.D.P.	-1.4	1.1

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 43500 BTUH

AIRFLOW = 1546 CFM
APP. DEW PT. = 57.1 DEG. F
COMPRESSOR POWER = 3593 WATTS
I.D. FAN POWER = 521 WATTS
O.D. FAN POWER = 175 WATTS
S.E.E.R. = 10.99 BTUH/WATT
E.E.R. = 9.63 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 1 1/8 SUCT.
AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
SENSIBLE CAPACITY)
TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
ARE VALID ONLY FOR WET COIL
ALL TEMPERATURES IN DEGREES F.



Performance Data Cooling

Metric Units

2TTA0040AD WITH TWE040CA4-B AT 2547 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	11.3	10.1	10.9	11.7*	12.0*	3.6	
	17.2	12.1	8.5	9.3	10.1	11.0	3.7	
	19.4	13.0	6.7	7.6	8.4	9.2	3.8	
	21.7	13.9	4.9	5.7	6.6	7.4	4.0	
32.2	15.0	11.1	10.0	10.8	11.3*	11.6*	3.7	
	17.2	12.0	8.4	9.3	10.0	10.9	3.9	
	19.4	12.8	6.7	7.5	8.3	9.1	4.0	
	21.7	13.7	4.8	5.7	6.5	7.3	4.2	
35.0	15.0	10.9	10.0	10.8	11.2*	11.5*	3.9	
	17.2	11.7	8.4	9.2	10.0	10.8	4.0	
	19.4	12.6	6.6	7.4	8.2	9.0	4.2	
	21.7	13.5	4.8	5.6	6.4	7.2	4.3	
37.8	15.0	10.5	9.8	10.5*	10.8*	11.0*	4.0	
	17.2	11.3	8.1	9.0	9.8	10.6	4.2	
	19.4	12.1	6.4	7.2	8.0	8.8	4.3	
	21.7	13.0	4.6	5.4	6.2	7.0	4.5	
40.6	15.0	10.0	9.6	10.1*	10.4*	10.7*	4.2	
	17.2	10.8	7.9	8.8	9.6	10.4	4.3	
	19.4	11.6	6.2	7.0	7.8	8.6	4.5	
	21.7	12.4	4.4	5.2	6.0	6.8	4.6	
46.1	15.0	9.1	9.1*	9.4*	9.6*	9.8*	4.4	
	17.2	9.8	7.5	8.4	9.2	9.8*	4.6	
	19.4	10.5	5.7	6.6	7.4	8.2	4.7	
	21.7	11.3	4.0	4.8	5.6	6.4	4.9	
48.9	15.0	8.6	8.7*	9.0*	9.2*	9.5*	4.6	
	17.2	9.3	7.3	8.1	9.0	9.5*	4.7	
	19.4	10.0	5.6	6.4	7.2	8.0	4.9	
	21.7	10.7	3.8	4.6	5.4	6.2	5.1	

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	2208	2887
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 12.60 KW
 AIRFLOW = 2544 CMH
 COMPRESSOR POWER = 3591 WATTS
 I.D. FAN POWER = 423 WATTS
 O.D. FAN POWER = 175 WATTS
 S.E.E.R. = 11.18 BTUH/WATT
 E.E.R. = 9.86 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 1 1/8 IN. SUCT. AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.

2TTA0040AD WITH TWE050CA5-C AT 2547 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	11.6	10.2	11.0	11.7*	12.0*	3.7	
	17.2	12.5	8.6	9.4	10.2	11.1	3.8	
	19.4	13.4	6.8	7.6	8.4	9.3	4.0	
	21.7	14.3	5.0	5.8	6.6	7.4	4.1	
32.2	15.0	11.3	10.1	10.9	11.5*	11.8*	3.8	
	17.2	12.2	8.5	9.3	10.1	10.9	4.0	
	19.4	13.0	6.7	7.5	8.3	9.1	4.1	
	21.7	13.9	4.8	5.7	6.5	7.3	4.3	
35.0	15.0	11.1	10.0	10.8	11.3*	11.5*	4.0	
	17.2	11.9	8.3	9.1	10.0	10.8	4.1	
	19.4	12.7	6.5	7.4	8.2	9.0	4.3	
	21.7	13.6	4.7	5.5	6.4	7.2	4.4	
37.8	15.0	10.7	9.8	10.6	11.0*	11.2*	4.1	
	17.2	11.5	8.2	9.0	9.8	10.6	4.3	
	19.4	12.3	6.4	7.2	8.0	8.8	4.4	
	21.7	13.1	4.5	5.4	6.2	7.0	4.6	
40.6	15.0	10.3	9.6	10.3*	10.6*	10.9*	4.3	
	17.2	11.1	8.0	8.8	9.6	10.5	4.4	
	19.4	11.9	6.2	7.0	7.9	8.7	4.6	
	21.7	12.7	4.4	5.2	6.0	6.9	4.7	
46.1	15.0	9.6	9.3	9.8*	10.0*	10.2*	4.6	
	17.2	10.3	7.7	8.5	9.3	10.1	4.7	
	19.4	11.0	5.9	6.7	7.5	8.4	4.9	
	21.7	11.7	4.0	4.9	5.7	6.5	5.1	
48.9	15.0	9.2	9.1	9.4*	9.7*	9.9*	4.7	
	17.2	9.9	7.5	8.3	9.1	9.9*	4.9	
	19.4	10.6	5.7	6.5	7.4	8.2	5.1	
	21.7	11.3	3.9	4.7	5.5	6.4	5.2	

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	2208	2887
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 12.75 KW
 AIRFLOW = 2626 CMH
 COMPRESSOR POWER = 3593 WATTS
 I.D. FAN POWER = 521 WATTS
 O.D. FAN POWER = 175 WATTS
 S.E.E.R. = 10.99 BTUH/WATT
 E.E.R. = 9.63 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 1 1/8 IN. SUCT. AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.



Performance Data

Cooling

English Units

2TTA0050AD WITH TWE040CA4-B AT 1500 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	46.9	38.6	41.4	44.2	46.9*	48.0*	4.44	46.1
	63	50.3	33.2	36.0	38.8	41.6	44.4	4.58	50.3
	67	53.9	27.0	29.9	32.7	35.5	38.3	4.74	54.5
	71	57.6	20.8	23.6	26.4	29.2	32.0	4.89	58.7
90	59	46.3	38.3	41.2	44.0	46.5*	47.5*	4.64	46.4
	63	49.7	32.9	35.7	38.5	41.3	44.1	4.79	50.6
	67	53.3	26.8	29.6	32.4	35.2	38.0	4.95	54.7
	71	56.9	20.5	23.3	26.1	28.9	31.7	5.11	58.9
95	59	45.7	38.1	40.9	43.7	46.0*	47.1*	4.84	47.0
	63	49.1	32.6	35.4	38.2	41.0	43.8	5.00	50.8
	67	52.6	26.5	29.3	32.1	34.9	37.7	5.16	55.0
	71	56.2	20.2	23.1	25.9	28.7	31.5	5.32	59.2
100	59	44.0	37.3	40.1	42.9	44.6*	45.8*	5.01	47.6
	63	47.3	31.8	34.6	37.4	40.2	43.0	5.16	51.5
	67	50.7	25.7	28.5	31.3	34.1	36.9	5.33	55.6
	71	54.2	19.5	22.3	25.1	27.9	30.7	5.49	59.9
105	59	42.4	36.5	39.3	42.1	43.3*	44.4*	5.18	48.3
	63	45.5	31.0	33.8	36.6	39.4	42.2	5.33	52.1
	67	48.8	24.9	27.7	30.5	33.4	36.2	5.50	56.3
	71	52.2	18.7	21.5	24.3	27.1	29.9	5.66	60.5
115	59	39.1	35.0	37.8	39.6*	40.6*	41.6*	5.52	49.5
	63	42.0	29.5	32.3	35.1	37.9	40.7	5.68	53.4
	67	45.1	23.4	26.2	29.0	31.8	34.6	5.84	57.6
	71	48.2	17.2	20.0	22.8	25.6	28.4	6.00	61.8
120	59	37.4	34.2	37.0	38.2*	39.2*	40.2*	5.70	50.1
	63	40.3	28.7	31.5	34.3	37.1	39.9	5.85	54.0
	67	43.2	22.6	25.4	28.3	31.1	33.9	6.01	58.2
	71	46.2	16.4	19.2	22.1	24.9	27.7	6.17	62.4

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1300	1700
TOTAL CAP.	X0.97	X1.02
SENS. CAP.	X0.94	X1.05
COMPR. KW	X0.98	X1.01
A.D.P.	-1.8	1.4

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 52500 BTUH

AIRFLOW = 1494 CFM
 APP. DEW PT. = 54.9 DEG. F
 COMPRESSOR POWER = 4475 WATTS
 I.D. FAN POWER = 464 WATTS
 O.D. FAN POWER = 217 WATTS
 S.E.E.R. = 11.01 BTUH/WATT
 E.E.R. = 9.79 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 1 1/8 SUCT.
 AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES F.

2TTA0050AD WITH TWE050CA5-C AT 1800 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	49.5	42.8	46.1	49.5	50.7*	51.9*	4.81	47.6
	63	53.1	36.2	39.5	42.9	46.2	49.6	4.96	51.5
	67	56.8	28.9	32.2	35.6	38.9	42.3	5.12	55.7
	71	60.6	21.4	24.8	28.1	31.5	34.8	5.28	60.0
90	59	48.4	42.3	45.6	48.6*	49.9*	51.0*	5.00	47.9
	63	51.9	35.7	39.0	42.4	45.7	49.1	5.15	51.9
	67	55.5	28.4	31.7	35.1	38.4	41.8	5.31	56.1
	71	59.3	20.9	24.3	27.6	31.0	34.3	5.48	60.4
95	59	47.3	41.8	45.1	47.7*	48.9*	50.0*	5.19	48.3
	63	50.7	35.2	38.5	41.9	45.2	48.6	5.34	52.2
	67	54.3	27.9	31.2	34.6	37.9	41.3	5.51	56.4
	71	57.9	20.4	23.8	27.1	30.5	33.8	5.68	60.7
100	59	46.0	41.2	44.5	46.6*	47.8*	48.8*	5.38	48.7
	63	49.2	34.5	37.9	41.2	44.6	47.9	5.54	52.6
	67	52.7	27.2	30.6	33.9	37.3	40.6	5.70	56.9
	71	56.2	19.8	23.1	26.5	29.8	33.2	5.87	61.2
105	59	44.6	40.5	43.9	45.4*	46.6*	47.6*	5.57	49.1
	63	47.8	33.9	37.3	40.6	43.9	47.3	5.73	53.1
	67	51.1	26.6	29.9	33.3	36.6	40.0	5.89	57.3
	71	54.5	19.2	22.5	25.8	29.2	32.5	6.07	61.6
115	59	41.8	39.3	42.1*	43.2*	44.2*	45.1*	5.95	49.9
	63	44.8	32.6	36.0	39.3	42.7	45.1*	6.11	53.9
	67	47.9	25.3	28.7	32.0	35.4	38.7	6.28	58.1
	71	51.1	17.9	21.2	24.6	27.9	31.3	6.45	62.4
120	59	40.4	38.7	40.9*	42.0*	42.9*	43.9*	6.15	50.4
	63	43.3	32.0	35.4	38.7	42.1	43.9*	6.31	54.3
	67	46.3	24.7	28.1	31.4	34.7	38.1	6.47	58.6
	71	49.4	17.3	20.6	24.0	27.3	30.7	6.64	62.9

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1575	2025
TOTAL CAP.	X0.99	X1.01
SENS. CAP.	X0.95	X1.05
COMPR. KW	X0.99	X1.01
A.D.P.	-1.4	1.1

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 54000 BTUH

AIRFLOW = 1750 CFM
 APP. DEW PT. = 56.1 DEG. F
 COMPRESSOR POWER = 4533 WATTS
 I.D. FAN POWER = 731 WATTS
 O.D. FAN POWER = 217 WATTS
 S.E.E.R. = 10.54 BTUH/WATT
 E.E.R. = 9.34 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 1 1/8 SUCT.
 AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES F.



Performance Data Cooling

Metric Units

2TTA0050AD WITH TWE040CA4-B AT 2547 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	13.7	11.3	12.1	13.0	13.7*	14.1*	4.4
	17.2	14.7	9.7	10.5	11.4	12.2	13.0	4.6
	19.4	15.8	7.9	8.8	9.6	10.4	11.2	4.7
	21.7	16.9	6.1	6.9	7.7	8.6	9.4	4.9
32.2	15.0	13.6	11.2	12.1	12.9	13.6*	13.9*	4.6
	17.2	14.6	9.6	10.5	11.3	12.1	12.9	4.8
	19.4	15.6	7.9	8.7	9.5	10.3	11.1	4.9
	21.7	16.7	6.0	6.8	7.6	8.5	9.3	5.1
35.0	15.0	13.4	11.2	12.0	12.8	13.5*	13.8*	4.8
	17.2	14.4	9.6	10.4	11.2	12.0	12.8	5.0
	19.4	15.4	7.8	8.6	9.4	10.2	11.0	5.2
	21.7	16.5	5.9	6.8	7.6	8.4	9.2	5.3
37.8	15.0	12.9	10.9	11.7	12.6	13.1*	13.4*	5.0
	17.2	13.9	9.3	10.1	11.0	11.8	12.6	5.2
	19.4	14.9	7.5	8.4	9.2	10.0	10.8	5.3
	21.7	15.9	5.7	6.5	7.4	8.2	9.0	5.5
40.6	15.0	12.4	10.7	11.5	12.3	12.7*	13.0*	5.2
	17.2	13.3	9.1	9.9	10.7	11.5	12.4	5.3
	19.4	14.3	7.3	8.1	8.9	9.8	10.6	5.5
	21.7	15.3	5.5	6.3	7.1	7.9	8.8	5.7
46.1	15.0	11.5	10.3	11.1	11.6*	11.9*	12.2*	5.5
	17.2	12.3	8.6	9.5	10.3	11.1	11.9	5.7
	19.4	13.2	6.9	7.7	8.5	9.3	10.1	5.8
	21.7	14.1	5.0	5.9	6.7	7.5	8.3	6.0
48.9	15.0	11.0	10.0	10.8	11.2*	11.5*	11.8*	5.7
	17.2	11.8	8.4	9.2	10.0	10.9	11.7	5.8
	19.4	12.7	6.6	7.4	8.3	9.1	9.9	6.0
	21.7	13.5	4.8	5.6	6.5	7.3	8.1	6.2

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	2208	2887
TOTAL CAP.	X0.97	X1.02
SENS. CAP.	X0.94	X1.05
COMPR. KW	X0.98	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 15.38 KW
 AIRFLOW = 2537 CMH
 COMPRESSOR POWER = 4475 WATTS
 I.D. FAN POWER = 464 WATTS
 O.D. FAN POWER = 217 WATTS
 S.E.E.R. = 11.01 BTUH/WATT
 E.E.R. = 9.79 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 1 1/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.

2TTA0050AD WITH TWE050CA5-C AT 3057 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	14.5	12.5	13.5	14.5	14.9*	15.2*	4.8
	17.2	15.6	10.6	11.6	12.6	13.5	14.5	5.0
	19.4	16.6	8.5	9.4	10.4	11.4	12.4	5.1
	21.7	17.8	6.3	7.3	8.2	9.2	10.2	5.3
32.2	15.0	14.2	12.4	13.4	14.2*	14.6*	14.9*	5.0
	17.2	15.2	10.5	11.4	12.4	13.4	14.4	5.2
	19.4	16.3	8.3	9.3	10.3	11.3	12.2	5.3
	21.7	17.4	6.1	7.1	8.1	9.1	10.0	5.5
35.0	15.0	13.9	12.2	13.2	14.0*	14.3*	14.6*	5.2
	17.2	14.9	10.3	11.3	12.3	13.2	14.2	5.3
	19.4	15.9	8.2	9.1	10.1	11.1	12.1	5.5
	21.7	17.0	6.0	7.0	7.9	8.9	9.9	5.7
37.8	15.0	13.5	12.1	13.0	13.7*	14.0*	14.3*	5.4
	17.2	14.4	10.1	11.1	12.1	13.1	14.0	5.5
	19.4	15.4	8.0	9.0	9.9	10.9	11.9	5.7
	21.7	16.5	5.8	6.8	7.8	8.7	9.7	5.9
40.6	15.0	13.1	11.9	12.9	13.3*	13.7*	13.9*	5.6
	17.2	14.0	9.9	10.9	11.9	12.9	13.9	5.7
	19.4	15.0	7.8	8.8	9.8	10.7	11.7	5.9
	21.7	16.0	5.6	6.6	7.6	8.6	9.5	6.1
46.1	15.0	12.2	11.5	12.3*	12.7*	13.0*	13.2*	5.9
	17.2	13.1	9.6	10.5	11.5	12.5	13.2*	6.1
	19.4	14.0	7.4	8.4	9.4	10.4	11.3	6.3
	21.7	15.0	5.2	6.2	7.2	8.2	9.2	6.4
48.9	15.0	11.8	11.3	12.0*	12.3*	12.6*	12.9*	6.2
	17.2	12.7	9.4	10.4	11.3	12.3	12.9*	6.3
	19.4	13.6	7.2	8.2	9.2	10.2	11.2	6.5
	21.7	14.5	5.1	6.0	7.0	8.0	9.0	6.6

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	2675	3439
TOTAL CAP.	X0.99	X1.01
SENS. CAP.	X0.95	X1.05
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 15.82 KW
 AIRFLOW = 2972 CMH
 COMPRESSOR POWER = 4533 WATTS
 I.D. FAN POWER = 731 WATTS
 O.D. FAN POWER = 217 WATTS
 S.E.E.R. = 10.54 BTUH/WATT
 E.E.R. = 9.34 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 1 1/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.



Performance Data Cooling

English Units

2TTA0060AD WITH TWE050CA5-C AT 1800 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	55.2	45.5	48.9	52.2	55.4*	56.6*	5.23	46.1
	63	59.3	39.0	42.3	45.7	49.0	52.4	5.33	50.3
	67	63.5	31.7	35.0	38.4	41.7	45.1	5.43	54.4
	71	67.9	24.2	27.6	30.9	34.3	37.6	5.53	58.7
90	59	54.3	45.1	48.4	51.8	54.6*	55.9*	5.50	46.8
	63	58.3	38.5	41.9	45.2	48.6	51.9	5.61	50.6
	67	62.4	31.2	34.6	37.9	41.3	44.6	5.72	54.8
	71	66.7	23.8	27.1	30.5	33.8	37.2	5.83	59.0
95	59	53.3	44.6	48.0	51.3	53.8*	55.1*	5.77	47.1
	63	57.2	38.1	41.4	44.8	48.1	51.5	5.89	50.9
	67	61.3	30.8	34.1	37.5	40.8	44.2	6.01	55.1
	71	65.5	23.3	26.7	30.0	33.4	36.7	6.14	59.3
100	59	52.0	44.0	47.4	50.7	52.8*	54.1*	6.08	47.5
	63	55.8	37.4	40.8	44.1	47.5	50.8	6.21	51.4
	67	59.8	30.2	33.5	36.9	40.2	43.6	6.35	55.5
	71	63.9	22.7	26.1	29.4	32.8	36.1	6.49	59.8
105	59	50.7	43.4	46.8	50.1	51.7*	53.0*	6.38	47.9
	63	54.4	36.8	40.2	43.5	46.9	50.2	6.53	51.8
	67	58.3	29.6	32.9	36.3	39.6	43.0	6.68	56.0
	71	62.4	22.1	25.5	28.8	32.2	35.5	6.84	60.2
115	59	48.1	42.2	45.6	48.4*	49.7*	50.8*	6.96	48.7
	63	51.7	35.6	39.0	42.3	45.7	49.0	7.15	52.6
	67	55.4	28.4	31.7	35.1	38.4	41.8	7.35	56.8
	71	59.2	20.9	24.3	27.6	31.0	34.3	7.56	61.1
120	59	46.8	41.6	45.0	47.3*	48.6*	49.7*	7.24	49.1
	63	50.3	35.0	38.4	41.7	45.1	48.4	7.46	53.0
	67	53.9	27.8	31.1	34.5	37.8	41.2	7.69	57.2
	71	57.6	20.3	23.7	27.0	30.4	33.7	7.92	61.5

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1575	2025
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.95	X1.05
COMPR. KW	X0.99	X1.01
A.D.P.	-1.7	1.3

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 61000 BTUH

AIRFLOW = 1750 CFM
 APP. DEW PT. = 54.8 DEG. F
 COMPRESSOR POWER = 5033 WATTS
 I.D. FAN POWER = 731 WATTS
 O.D. FAN POWER = 224 WATTS
 S.E.E.R. = 11.08 BTUH/WATT
 E.E.R. = 9.76 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 1 1/8 SUCT.
 AND 3/8 LIQUID LINE

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL

Performance Data Cooling

Metric Units

2TTA0060AD WITH TWE050CA5-C AT 3057 CMH

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW
			22.2	23.3	24.4	25.6	26.7	
29.4	15.0	16.2	13.3	14.3	15.3	16.2*	16.6*	5.2
	17.2	17.4	11.4	12.4	13.4	14.4	15.4	5.3
	19.4	18.6	9.3	10.3	11.3	12.2	13.2	5.4
	21.7	19.9	7.1	8.1	9.1	10.0	11.0	5.5
32.2	15.0	15.9	13.2	14.2	15.2	16.0*	16.4*	5.5
	17.2	17.1	11.3	12.3	13.2	14.2	15.2	5.6
	19.4	18.3	9.1	10.1	11.1	12.1	13.1	5.7
	21.7	19.5	7.0	7.9	8.9	9.9	10.9	5.8
35.0	15.0	15.6	13.1	14.1	15.0	15.8*	16.1*	5.8
	17.2	16.8	11.2	12.1	13.1	14.1	15.1	5.9
	19.4	18.0	9.0	10.0	11.0	12.0	13.0	6.0
	21.7	19.2	6.8	7.8	8.8	9.8	10.8	6.1
37.8	15.0	15.2	12.9	13.9	14.9	15.5*	15.9*	6.1
	17.2	16.3	11.0	12.0	12.9	13.9	14.9	6.2
	19.4	17.5	8.8	9.8	10.8	11.8	12.8	6.3
	21.7	18.7	6.7	7.6	8.6	9.6	10.6	6.5
40.6	15.0	14.9	12.7	13.7	14.7	15.1*	15.5*	6.4
	17.2	15.9	10.8	11.8	12.7	13.7	14.7	6.5
	19.4	17.1	8.7	9.6	10.6	11.6	12.6	6.7
	21.7	18.3	6.5	7.5	8.4	9.4	10.4	6.8
46.1	15.0	14.1	12.4	13.4	14.2*	14.6*	14.9*	7.0
	17.2	15.1	10.4	11.4	12.4	13.4	14.4	7.2
	19.4	16.2	8.3	9.3	10.3	11.3	12.2	7.3
	21.7	17.3	6.1	7.1	8.1	9.1	10.0	7.6
48.9	15.0	13.7	12.2	13.2	13.9*	14.2*	14.6*	7.2
	17.2	14.7	10.3	11.3	12.2	13.2	14.2	7.5
	19.4	15.8	8.1	9.1	10.1	11.1	12.1	7.7
	21.7	16.9	5.9	6.9	7.9	8.9	9.9	7.9

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	2675	3439
TOTAL CAP.	X0.98	X1.01
SENS. CAP.	X0.95	X1.05
COMPR. KW	X0.99	X1.01

VALUES AT ARI RATING CONDITIONS

GROSS CAPACITY = 17.87 KW

AIRFLOW = 2972 CMH
 COMPRESSOR POWER = 5033 WATTS
 I.D. FAN POWER = 731 WATTS
 O.D. FAN POWER = 224 WATTS
 S.E.E.R. = 11.08 BTUH/WATT
 E.E.R. = 9.76 BTUH/WATT

NOTE: RATED WITH 7.62 METERS OF 1 1/8 IN. SUCT.
 AND 3/8 IN. LIQUID LINES

* DRY COIL CONDITION (TOTAL CAPACITY =
 SENSIBLE CAPACITY)
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT.
 ARE VALID ONLY FOR WET COIL
 ALL TEMPERATURES IN DEGREES C.



Performance Data

Evaporator Fan Performance

Blower Performance — TWE030CA40B — Wet Coil

EXTERNAL STATIC PRESSURE INCHES OF WATER (PASCALS)								
UPFLOW & DOWNFLOW (See Notes)					HORIZONTAL; NO FILTER (See Notes)			
220 VOLTS					220 VOLTS			
CFM	CMH	HI	MED	LO	HI	MED	LO	
600	1018.8			0.72 (179.4)			0.71 (176.9)	
650	1103.7			0.62 (154.4)			0.61 (152.0)	
700	1188.6		0.86 (214.2)	0.51 (127.0)		0.84 (209.2)	0.50 (124.6)	
750	1273.5		0.75 (186.8)	0.40 (99.6)		0.72 (179.4)	0.39 (97.1)	
800	1358.4	0.89 (221.7)	0.65 (161.9)	0.29 (72.2)	0.87 (216.7)	0.62 (154.4)	0.28 (69.7)	
850	1443.3	0.81 (201.8)	0.54 (134.5)	0.18 (44.8)	0.79 (196.8)	0.51 (127.0)	0.17 (42.3)	
900	1528.2	0.72 (179.4)	0.43 (107.1)	0.06 (14.9)	0.69 (171.9)	0.40 (99.6)	0.08 (19.9)	
950	1613.1	0.63 (156.9)	0.32 (79.7)		0.61 (152.0)	0.30 (74.7)		
1000	1698.0	0.53 (132.0)	0.21 (52.3)		0.51 (127.0)	0.17 (42.3)		
1050	1782.9	0.42 (104.6)	0.10 (24.9)		0.40 (99.6)	0.02 (5.0)		
1100	1867.8	0.31 (77.2)			0.31 (77.2)			
1150	1952.7	0.20 (49.8)			0.22 (54.8)			
1200	2037.6	0.08 (19.9)			0.10 (24.9)			

NOTES:

Vertical: With filter, no horizontal drip tray. Subtract 0.06" W.G. (15) for downflow.
Horizontal: As shipped, but without filter. Subtract 0.05" W.G. (12.5) for horizontal left.

Blower Performance — TWE040CA40C — Wet Coil

EXTERNAL STATIC PRESSURE INCHES OF WATER (PASCALS)								
UPFLOW & DOWNFLOW (See Notes)					HORIZONTAL; NO FILTER (See Notes)			
220 VOLTS					220 VOLTS			
CFM	CMH	HI	MED	LO	HI	MED	LO	
700	1188.6		0.58 (144.5)					
750	1273.5		0.61 (152.0)	0.55 (137.0)				
800	1358.4	0.61 (152.0)	0.58 (144.5)	0.52 (129.5)			0.58 (144.5)	
850	1443.3	0.57 (142.0)	0.54 (134.5)	0.48 (119.6)			0.52 (129.5)	
900	1528.2	0.53 (132.0)	0.51 (127.0)	0.44 (109.6)			0.49 (122.1)	
950	1613.1	0.49 (122.1)	0.47 (117.1)	0.40 (99.6)		0.57 (142.0)	0.45 (112.1)	
1000	1698.0	0.45 (112.1)	0.43 (107.1)	0.34 (84.7)	0.53 (132.0)	0.50 (124.6)	0.40 (99.6)	
1050	1782.9	0.40 (99.6)	0.38 (94.7)	0.28 (69.7)	0.48 (119.6)	0.45 (112.1)	0.35 (87.2)	
1100	1867.8	0.36 (89.7)	0.34 (84.7)	0.22 (54.8)	0.43 (107.1)	0.40 (99.6)	0.30 (74.7)	
1150	1952.7	0.31 (77.2)	0.29 (72.2)	0.15 (37.4)	0.39 (97.1)	0.37 (92.2)	0.22 (54.8)	
1200	2037.6	0.26 (64.8)	0.24 (59.8)	0.08 (19.9)	0.35 (87.2)	0.32 (79.7)	0.17 (42.3)	
1250	2122.5	0.21 (52.3)	0.18 (44.8)	0.00 (0.0)	0.31 (77.2)	0.28 (69.7)	0.10 (24.9)	
1300	2207.4	0.17 (42.3)	0.13 (32.4)	0.26 (64.8)	0.22 (54.8)	0.01 (2.5)		
1350	2292.3	0.11 (27.4)	0.07 (17.4)		0.21 (52.3)	0.18 (44.8)		
1400	2377.2	0.06 (14.9)	0.01 (2.5)		0.15 (37.4)	0.12 (29.9)		
1450	2462.1	0.01 (2.5)			0.11 (27.4)	0.08 (19.9)		
1500	2547.0	0.00			0.05 (12.5)	0.02 (5.0)		

NOTES:

Vertical: With filter, no horizontal drip tray. Small apex baffle. Subtract 0.06" W.G. (15) for downflow.
Horizontal: As shipped, but without filter. Subtract 0.05" W.G. (12.5) for horizontal left.



Performance Data

Evaporator Fan Performance

Blower Performance — TWE050CA50D — Wet Coil

EXTERNAL STATIC PRESSURE INCHES OF WATER (PASCALS)								
UPFLOW & DOWNFLOW (See Notes)					HORIZONTAL; NO FILTER (See Notes)			
220 VOLTS					220 VOLTS			
CFM	CMH	HI	MED	LO	HI	MED	LO	
900	1528.2							
950	1613.1			0.63 (156.9)				
1000	1698.0			0.61 (152.0)			0.62 (154.4)	
1050	1782.9			0.58 (144.5)			0.60 (149.5)	
1100	1867.8			0.54 (134.5)			0.57 (142.0)	
1150	1952.7			0.50 (124.6)			0.53 (132.0)	
1200	2037.6			0.45 (112.1)			0.49 (122.1)	
1250	2122.5		0.61 (152.0)	0.39 (97.1)		0.64 (159.4)	0.44 (109.6)	
1300	2207.4	0.59 (147.0)	0.57 (142.0)	0.33 (82.2)	0.62 (154.4)	0.61 (152.0)	0.38 (94.7)	
1350	2292.3	0.56 (139.5)	0.53 (132.0)	0.26 (64.8)	0.59 (147.0)	0.58 (144.5)	0.32 (79.7)	
1400	2377.2	0.52 (129.5)	0.49 (122.1)	0.18 (44.8)	0.56 (139.5)	0.55 (137.0)	0.25 (62.3)	
1450	2462.1	0.48 (119.6)	0.45 (112.1)	0.10 (24.9)	0.52 (129.5)	0.52 (129.5)	0.18 (44.8)	
1500	2547.0	0.44 (109.6)	0.40 (99.6)	0.01 (2.5)	0.49 (122.1)	0.48 (119.6)	0.11 (27.4)	
1550	2631.9	0.40 (99.6)	0.35 (87.2)		0.47 (117.1)	0.44 (109.6)	0.00 (0.0)	
1600	2716.8	0.35 (87.2)	0.30 (74.7)		0.45 (112.1)	0.40 (99.6)		
1650	2801.7	0.31 (77.2)	0.25 (62.3)		0.41 (102.1)	0.35 (87.2)		
1700	2886.6	0.26 (64.8)	0.20 (49.8)		0.36 (89.7)	0.28 (69.7)		
1750	2971.5	0.21 (52.3)	0.14 (34.9)		0.30 (74.7)	0.20 (49.8)		
1800	3056.4	0.16 (39.9)	0.08 (19.9)		0.24 (59.8)	0.13 (32.4)		
1850	3141.3	0.11 (27.4)	0.02 (5.0)		0.17 (42.3)	0.07 (17.4)		
1900	3226.2	0.05 (12.5)			0.10 (24.9)	0.01 (2.5)		
1950	3311.1				0.02 (5.0)			

NOTES:
Vertical: With filter, no horizontal drip tray. Small apex baffle. Subtract 0.06" W.G. (15) for downflow.
Horizontal: As shipped, but without filter. Subtract 0.05" W.G. (12.5) for horizontal left.

Air Pressure Drop (Inches) – Electric Heaters

Pressure Drop For Electric Heaters In Air Handler Models

		NUMBER OF RACKS									
		1		2		3		4		5	
AIRFLOW CFM	AIRFLOW CMH	AIR PRESSURE DROP IN. W.G. (PASCALS)									
600	1018.8	0.01 (2.5)		0.02 (5.0)		0.02 (5.0)					
700	1188.6	0.01 (2.5)		0.02 (5.0)		0.02 (5.0)					
800	1358.4	0.02 (5.0)		0.03 (7.5)		0.03 (7.5)		0.04 (10.0)			
900	1528.2	0.03 (7.5)		0.03 (7.5)		0.04 (10.0)		0.05 (12.5)			
1000	1698.0	0.04 (10.0)		0.04 (10.0)		0.05 (12.5)		0.06 (14.9)			
1100	1867.8	0.04 (10.0)		0.05 (12.5)		0.06 (14.9)		0.07 (17.4)	0.08 (19.9)		
1200	2037.6	0.05 (12.5)		0.06 (14.9)		0.07 (17.4)		0.08 (19.9)	0.09 (22.4)		
1300	2207.4	0.06 (14.9)		0.07 (17.4)		0.08 (19.9)		0.09 (22.4)	0.11 (27.4)		
1400	2377.2	0.07 (17.4)		0.08 (19.9)		0.10 (24.9)		0.11 (27.4)	0.13 (32.4)		
1500	2547.0	0.08 (19.9)		0.09 (22.4)		0.11 (27.4)		0.13 (32.4)	0.15 (37.4)		
1600	2716.8	0.09 (22.4)		0.10 (24.9)		0.12 (29.9)		0.15 (37.4)	0.17 (42.3)		
1700	2886.6	0.10 (24.9)		0.11 (27.4)		0.14 (34.9)		0.17 (42.3)	0.19 (47.3)		
1800	3056.4	0.11 (27.4)		0.13 (32.4)		0.16 (39.9)		0.19 (47.3)	0.21 (52.3)		
1900	3226.2	0.13 (32.4)		0.15 (37.4)		0.18 (44.8)		0.21 (52.3)	0.23 (57.3)		
2000	3396.0	0.14 (34.9)		0.17 (42.3)		0.20 (49.8)		0.23 (57.3)	0.26 (64.8)		

NOTES:
 1. See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters.
 2. Heater model numbers may have additional suffix digits.



Minimum Airflow (CFM) Heater Matrix

THESE AIR HANDLERS ARE CONVERTIBLE AND MOTOR SPEED TAPS VARY BY THE UNIT ORIENTATION.

A Heater Matrix for All TWE

MINIMUM HEATING AIRFLOW CFM – HEATER MATRIX							
AIR HANDLER	HEATER MODEL NUMBER BAYHTR—						
MODEL NUMBER	1405 000 BRK PDC 4.80kw	1408 000 BRK PDC 7.68kw	1410 000 BRK PDC 3410 000 9.60kw	1415 BRK 15.36kw	3415 000 15.36kw	1419 BRK 19.20kw	1425 BRK 24.96kw
NUMBER OF HEATER RACKS	1	2	2	2	2	4	5
NUMBER OF CIRCUITS	1	1	1	2	1	2	3
TWE030C	L/L	L/L	L/L	L/L	L/L	—	—
TWE040C	L/L	L/L	L/L	L/L	L/L	L/H	L/H
TWE050C	L/L	L/L	L/L	L/L	L/L	L/H	L/H

(Example: L=Low, M=Medium, H=High Speed)
Cooling/Heat Pump Air Flow
AS = Heater application is affected based on whether the outdoor unit is a heat pump or cooling unit.
PS = Minimum speed tap varies based on air handler installation position.

000 = Pigtails, BRK = Contains circuit breakers, PDC = Contains Pull Disconnect
RBR = Contains recessed circuit breaker (for 14" deep TVF018-024 Models only)
RPD = contains recessed pull disconnect (for 14" deep TV0F18-024 Models only)
* For upflow position only minimum setting is 1200

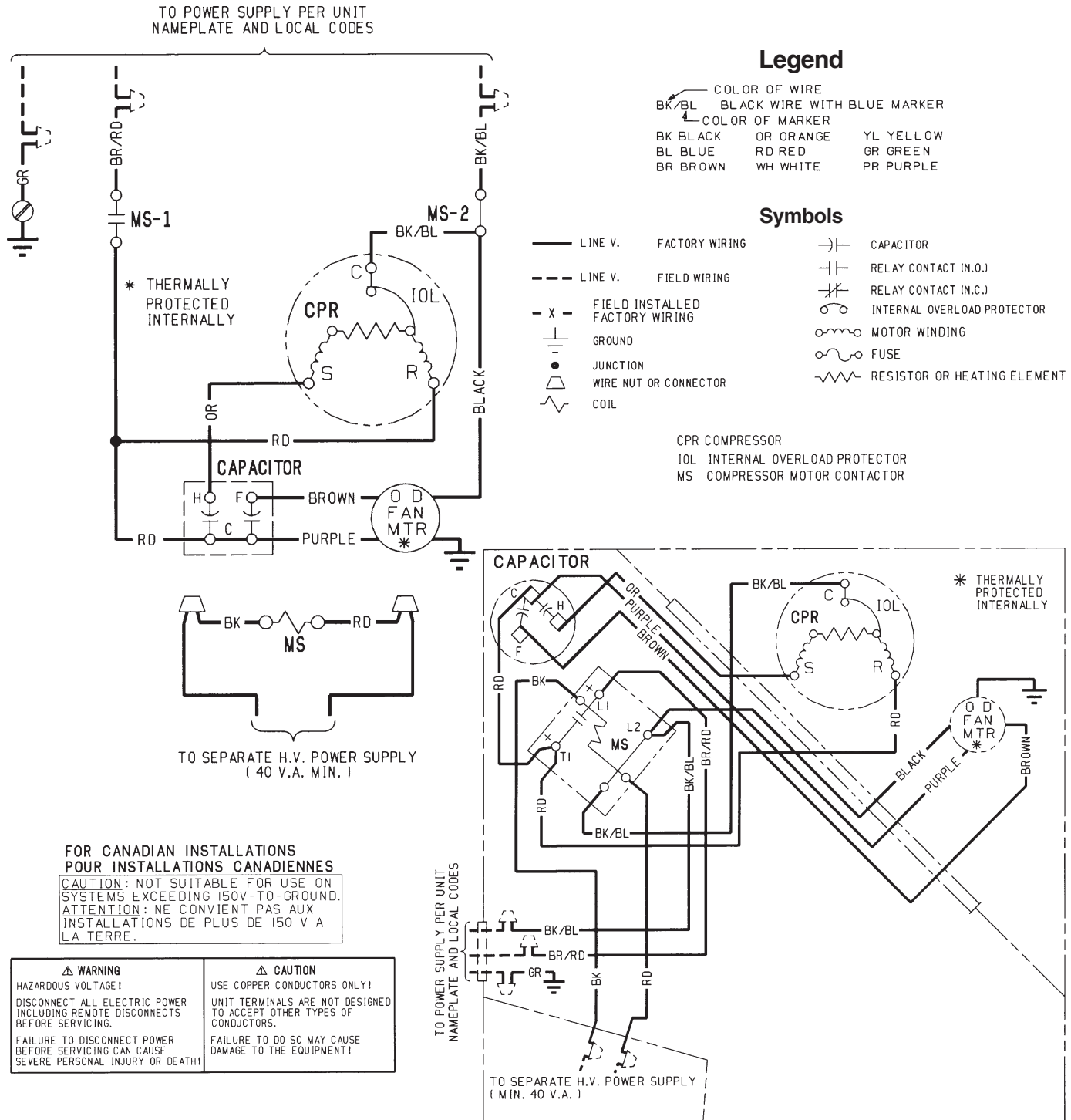
CAUTION: Any power supply and/or combination power supply, circuit or circuits must be wired and protected in accordance with local electrical codes.

HEATER RACKS	
HEATER MODEL NO.	NO. OF RACKS
BAY96X1405	1
BAY96X1406	2
BAY96X1408	2
BAY96X1410	2
BAY96X1411	3
BAY96X1415	3
BAY96X1419	4
BAY96X1421	4
BAY96X1426	5
BAY96X3411	3
BAY96X3415	3



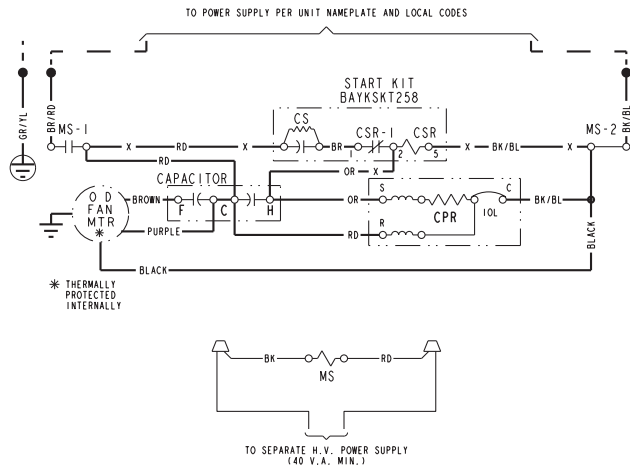
Electrical Data

TTB0520 System Wiring Diagram



Electrical Data

2TTB0524-0536AA System Wiring Diagram



Legend

COLOR OF WIRE	
BK/BL	BLACK WIRE WITH BLUE MARKER
COLOR OF MARKER	
BK	BLACK
BL	BLUE
BR	BROWN
OR	ORANGE
RD	RED
WH	WHITE
YL	YELLOW
GR	GREEN
PR	PURPLE

Symbols

—	LINE V. FACTORY WIRING		THERMISTOR
- - -	LINE V. FIELD WIRING		INTERNAL OVERLOAD PROTECTOR
- X -	FIELD INSTALLED FACTORY WIRING		PRESSURE ACTUATED SWITCH
	EARTHING		TEMP. ACTUATED SWITCH
•	JUNCTION		POL. PLUG FEMALE HOUSING (MALE TERM.)
	WIRE NUT OR CONNECTOR		POL. PLUG MALE HOUSING (FEMALE TERM.)
	COIL		RESISTOR OR HEATING ELEMENT
	CAPACITOR		MOTOR WINDING
	RELAY CONTACT (N.O.)		TERMINAL
	RELAY CONTACT (N.C.)		

<p>⚠ WARNING HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p>	<p>⚠ CAUTION USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!</p>
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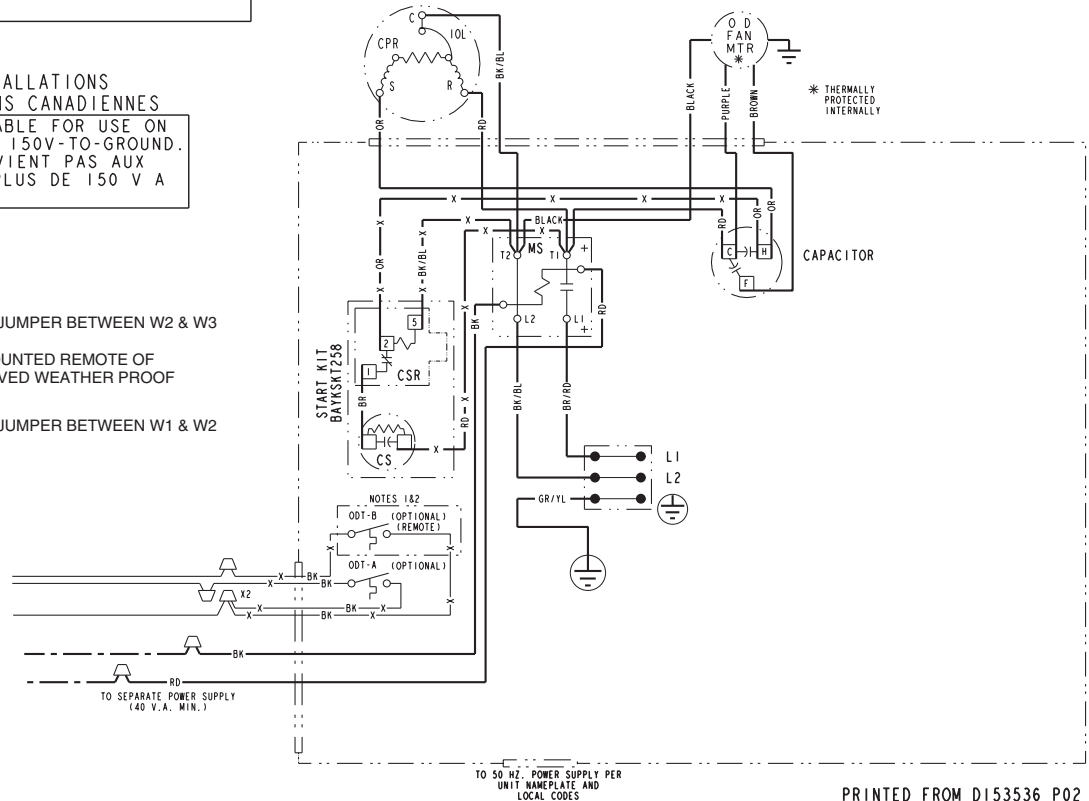
CA	COOLING ANTICIPATOR	F	INDOOR FAN RELAY	ODT	OUTDOOR THERMOSTAT
CBS	COIL BOTTOM SENSOR	HA	HEATING ANTICIPATOR	RHS	RESISTANCE HEAT SWITCH
CF	FAN CAPACITOR	HPCO	HIGH PRESSURE CUTOFF SW.	SC	SWITCHOVER VALVE SOLENOID
CN	WIRE CONNECTOR	IOL	INTERNAL OVERLOAD PROTECTOR	SM	SYSTEM "ON-OFF" SWITCH
CPR	COMPRESSOR	LPCO	LOW PRESSURE CUTOFF SW.	TDL	DISCHARGE LINE THERMOSTAT
CR	RUN CAPACITOR	MS	COMPRESSOR MOTOR CONTACTOR	TNS	TRANSFORMER
CS	STARTING CAPACITOR	ODA	OUTDOOR ANTICIPATOR	TS	HEATING-COOLING THERMOSTAT
CSR	CAPACITOR SWITCHING RELAY	OFT	OUTDOOR FAN THERMOSTAT	TSH	HEATING THERMOSTAT
DFC	DEFROST CONTROL	ODS	OUTDOOR TEMPERATURE SENSOR		

FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V-TO-GROUND.
ATTENTION: NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE.

NOTES:

- IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER.
IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
- IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.

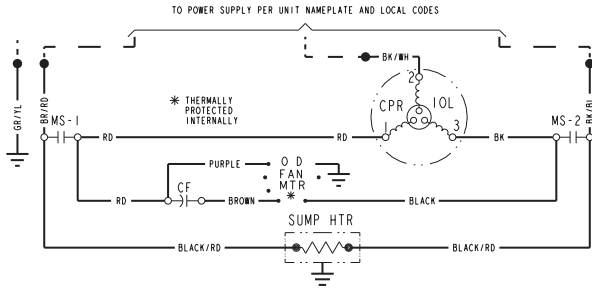


PRINTED FROM D153536 P02



Electrical Data

2TTA0030-060AD System Wiring Diagram



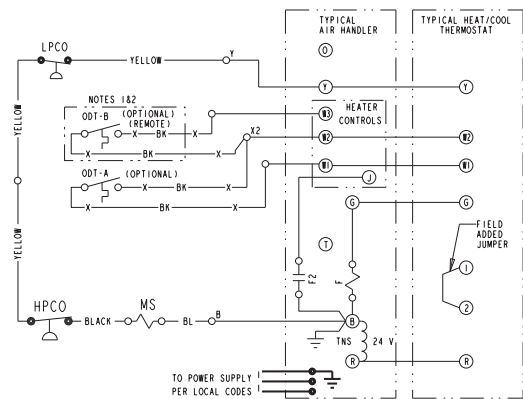
Legend

—	COLOR OF WIRE				
BK/BL	BLACK WIRE WITH BLUE MARKER				
—	COLOR OF MARKER				
BK	BLACK	OR	ORANGE	YL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WH	WHITE	PR	PURPLE

Symbols

—	24 V. LINE V.	} FACTORY WIRING		THERMISTOR
- - -	24 V. LINE V.		} FIELD WIRING	
- X -				
⊥	GROUND			TEMP. ACTUATED SWITCH
•	JUNCTION			POL. PLUG FEMALE HOUSING (MALE TERM.)
△	WIRE NUT OR CONNECTOR			POL. PLUG MALE HOUSING (FEMALE TERM.)
	COIL			RESISTOR OR HEATING ELEMENT
	CAPACITOR			MOTOR WINDING
	RELAY CONTACT (N.O.)		○	TERMINAL
	RELAY CONTACT (N.C.)			

CA	COOLING ANTICIPATOR	F	INDOOR FAN RELAY	ODT	OUTDOOR THERMOSTAT
CBS	COIL BOTTOM SENSOR	HA	HEATING ANTICIPATOR	RHS	RESISTANCE HEAT SWITCH
CF	FAN CAPACITOR	HPCO	HIGH PRESSURE CUTOFF SW.	SC	SWITCHOVER VALVE SOLENOID
CN	WIRE CONNECTOR	IOL	INTERNAL OVERLOAD PROTECTOR	SM	SYSTEM "ON-OFF" SWITCH
CPR	COMPRESSOR	LPCO	LOW PRESSURE CUTOFF SW.	TDL	DISCHARGE LINE THERMOSTAT
CR	RUN CAPACITOR	MS	COMPRESSOR MOTOR CONTACTOR	TNS	TRANSFORMER
CS	STARTING CAPACITOR	ODA	OUTDOOR ANTICIPATOR	TS	HEATING-COOLING THERMOSTAT
CSR	CAPACITOR SWITCHING RELAY	ODT	OUTDOOR FAN THERMOSTAT	TSH	HEATING THERMOSTAT
DFC	DEFROST CONTROL	ODS	OUTDOOR TEMPERATURE SENSOR		

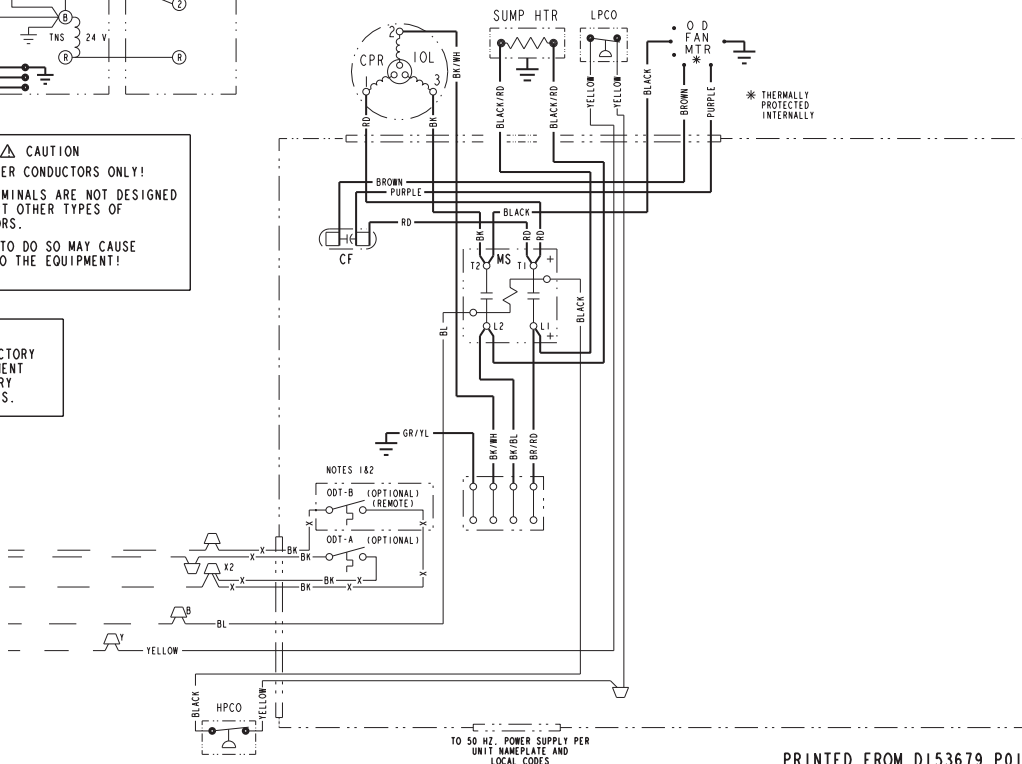


<p>⚠ WARNING HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p>	<p>⚠ CAUTION USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!</p>
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NOTE
THREE PHASE MOTOR (S) FACTORY SUPPLIED IN THIS EQUIPMENT PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

NOTES:

- IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER. IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
- IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
- LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

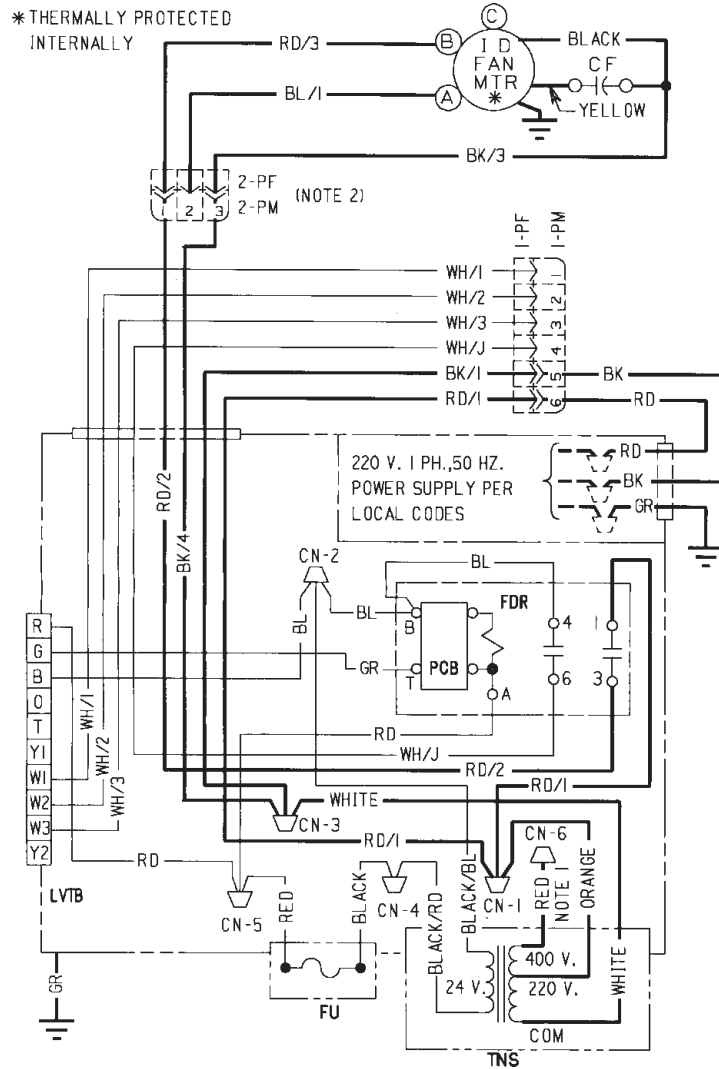


PRINTED FROM D153679 P01



Electrical Data

TWE030-050C System Wiring Diagram



- NOTES:**
- DO NOT USE REQ TRANSFORMER LEAD IN THIS APPLICATION
 - ACCESSORY KIT BAY24X038 MAY BE USED WHEN AUTOMATIC SPEED CHANGE FOR HEATING/COOLING OPERATION IS DESIRED.
 - A 220V HIGH VOLTAGE CONTROL IN TTB5-C/2TTB05-A NEEDS TO BE CHANGED WITH 24V LOW VOLTAGE CONTROL KIT (ACYLVCOR006A) WHEN MATCHED WITH TWE-C AIR HANDLING UNITS.

AIR FLOW SELECTION	
TERM	SPEED
A	LOW
B	MED
C	HIGH

MODEL
TWE030CA4
TWE040CA4
TWE050CA5

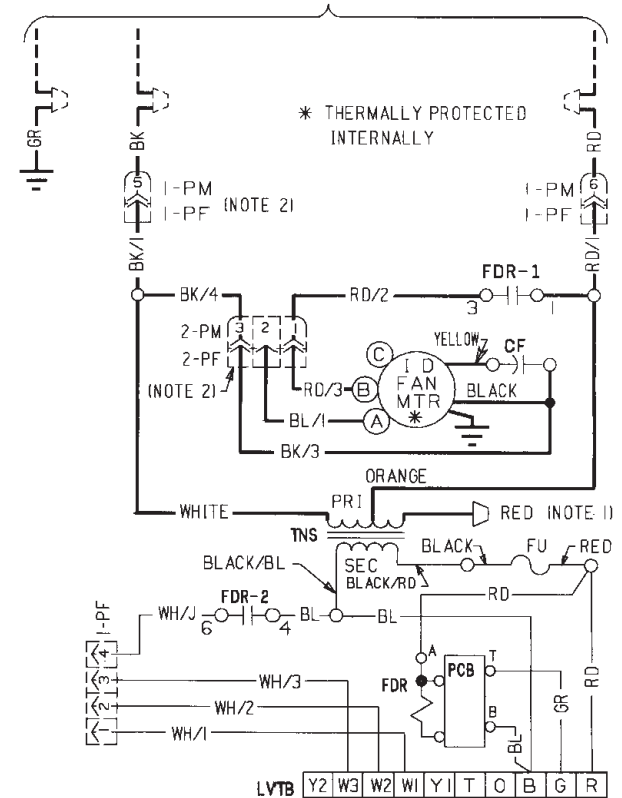
Legend

COLOR OF WIRE		
BK/BL	BLACK WIRE WITH BLUE MARKER	
COLOR OF MARKER		
BK	BLACK	OR ORANGE
BL	BLUE	WH WHITE
BR	BROWN	GR GREEN
		YL YELLOW
		PR PURPLE

Symbols

	24 V. LINE V. FACTORY WIRING		TRANSFORMER
	24 V. LINE V. FIELD WIRING		FUSE
	GROUND		TERMINAL BLOCK/BOARD
	JUNCTION		RELAY CONTACT NO
	CAPACITOR		MAGNETIC COIL
	WIRE NUT OR CONNECTOR		POL. PLUG FEMALE HOUSING (MALE TERMINALS)
	TERMINAL		POL. PLUG MALE HOUSING (FEMALE TERMINALS)
	CN WIRE CONNECTOR		PCB PRINTED CIRCUIT BOARD
	CF FAN CAPACITOR		PF POLARIZED PLUG (FEMALE HOUSING)
	FDR FAN DELAY RELAY		PM POLARIZED PLUG (MALE HOUSING)
	FU FUSE		TNS TRANSFORMER
	LVTB LOW VOLTAGE TERMINAL BOARD		

220 V. 1 PH., 50 HZ. POWER SUPPLY PER LOCAL CODES

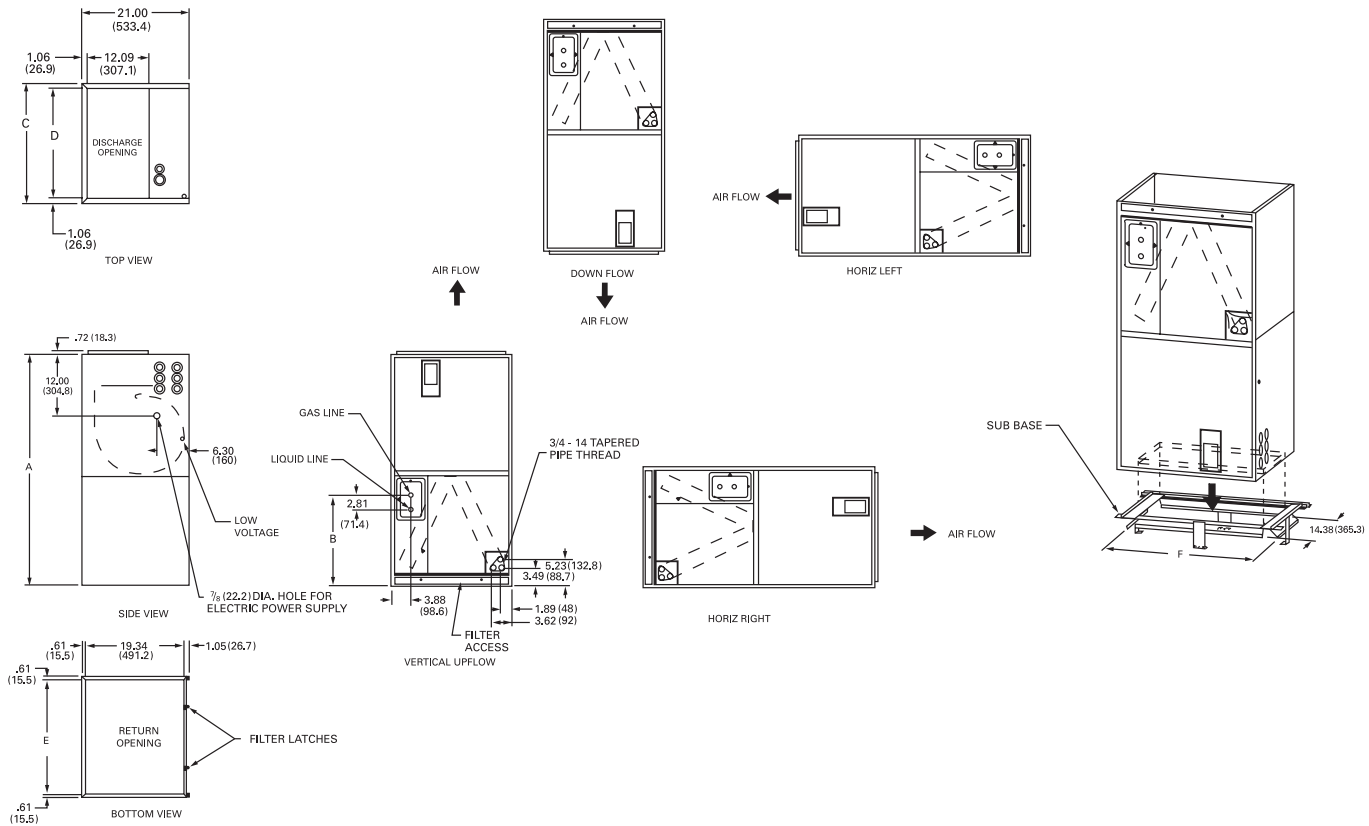




Dimensions

TWE030-050C Outline Drawing

ALL DIMENSIONS ARE IN INCHES (MM)



	MINIMUM UNIT CLEARANCE SALE		SERVICE CLEARANCE		
	TO COMBUSTIBLE MATERIAL (REQUIRED)		(RECOMMENDED)		
SIDES	0	(0)	2	(50.8)	
FRONT	0	(0)	21	(533.4)	
BACK	0	(0)	0	(0)	
INLET DUCT	0	(0)	1	(25.4)	
OUTLET DUCT	1	(25.4)			

MODEL NO.	A	B	C	D	E	F	FLOW CONTROL
TWE030CA4	43.00 (1092.2)	15.57 (395.5)	21.50 (761.1)	19.50 (495.3)	20.28 (515.1)	21.63 (549.4)	FCCV
TWE040CA4	51.75 (1134.5)	24.32 (617.7)	23.50 (596.9)	21.50 (761.1)	22.28 (565.9)	23.63 (600.2)	FCCV
TWE050CA5	57.90 (1470.7)	30.47 (773.9)	23.50 (596.9)	21.50 (761.1)	22.28 (565.9)	23.63 (600.2)	TXV



Dimensions

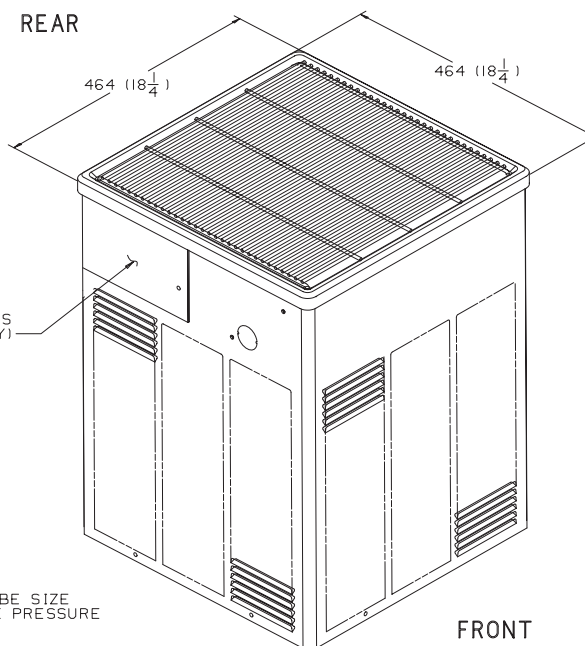
TTB520CA Outline Drawing

All dimensions are in inches (mm)

1 INCH = (25.40 MILLIMETERS)

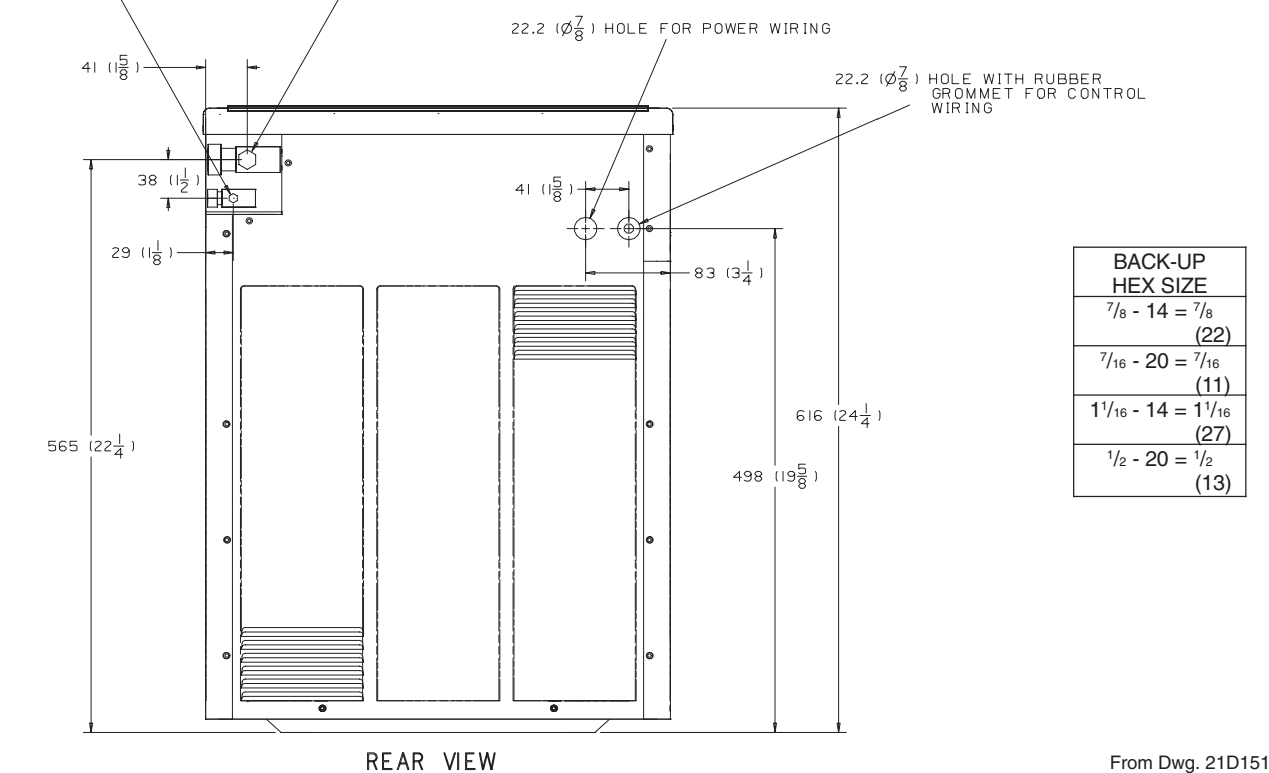
PT. NO.	A	B	C	D
P02	1 ¹ / ₁₆	1/2	3/4	5/16
	14 UNS-2A	20UNF-2A	(19)	(8)

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



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

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



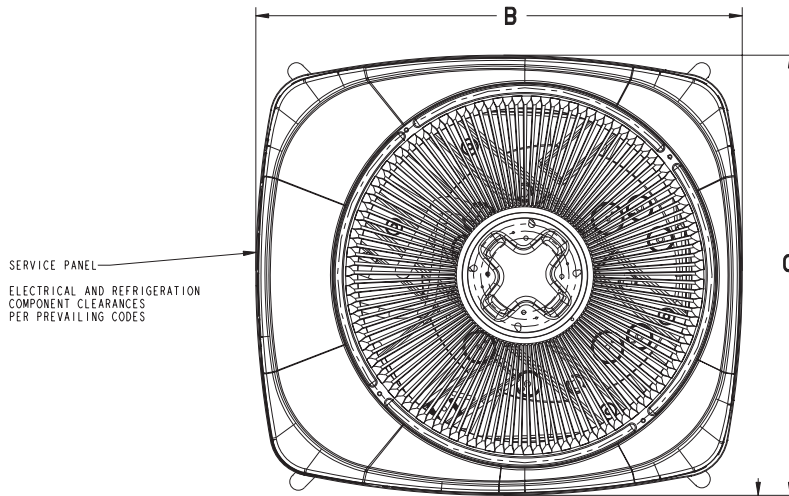
BACK-UP HEX SIZE
7/8 - 14 = 7/8 (22)
7/16 - 20 = 7/16 (11)
1 ¹ / ₁₆ - 14 = 1 ¹ / ₁₆ (27)
1/2 - 20 = 1/2 (13)



Dimensions

2TTB0524-536AA Outline Drawing

All dimensions are in inches (mm)



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

BACK-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)

TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR AT LEAST 1524 (5 FEET) ABOVE UNIT. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT, AND SHOULD BE AT LEAST 305 (12") FROM WALL AND ALL SURROUNDING SHRUBBERY ON TWO SIDES. OTHER TWO SIDES UNRESTRICTED.

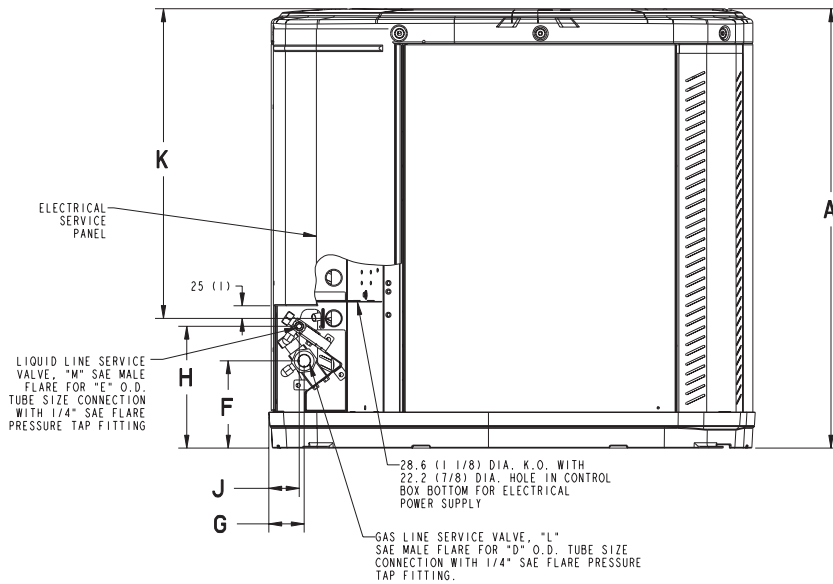


FIG. 1

MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K	L	M
2TTB0524AA	2	1	561 (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	561 (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

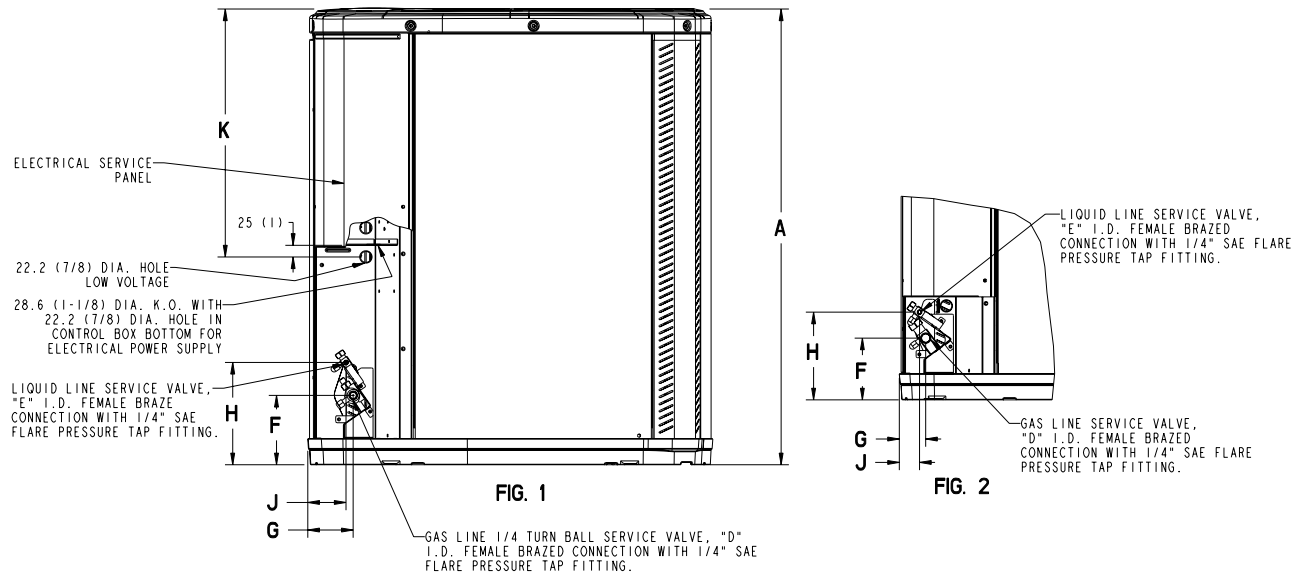
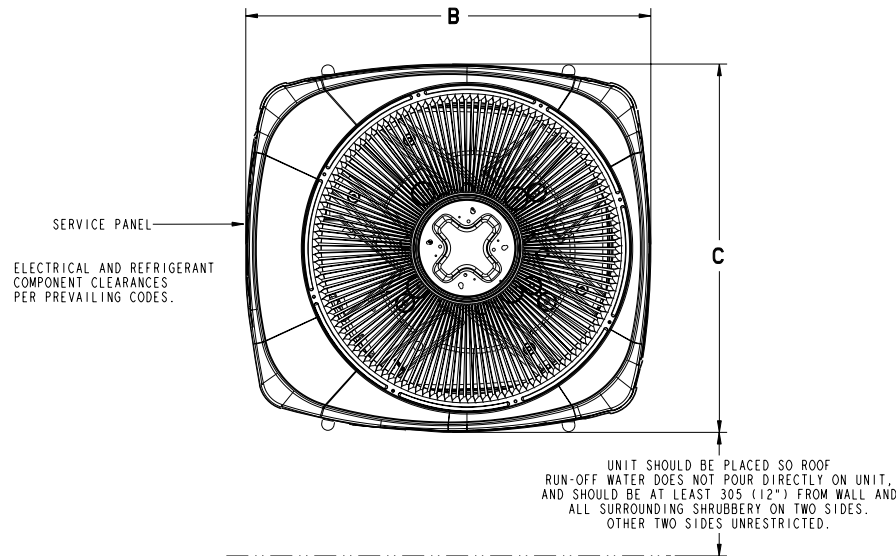
From Dwg. 21D153509 Rev. 1



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)

From Dwg. 21D153074 Rev. 5



Convertibility

TWE030 Through 050 Convertibility

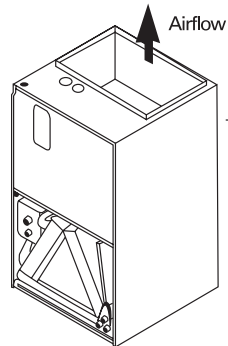
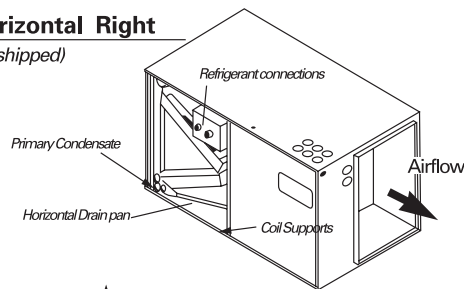
Six (6) Way Convertibility

One Unit - 4 Applications

(Conversion 1-4)

Horizontal Right

(as shipped)



Vertical Upflow

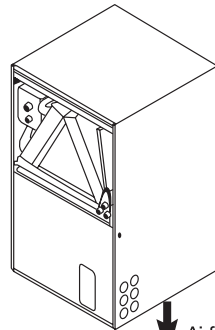
(as shipped)

One-Step Conversion
Stand unit on end

Horizontal Left

Rotate Coil

Airflow

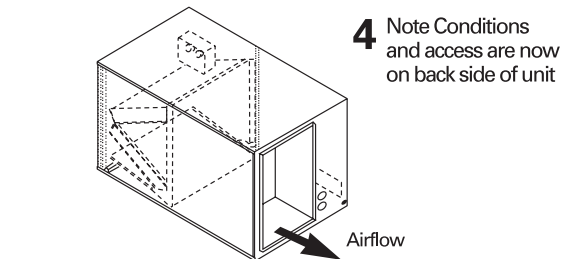
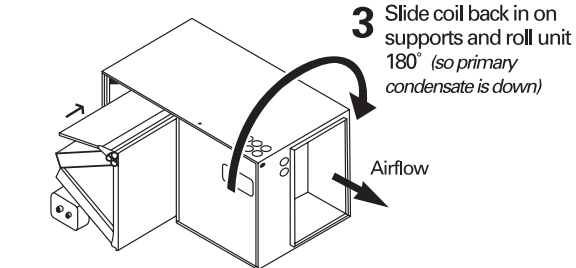
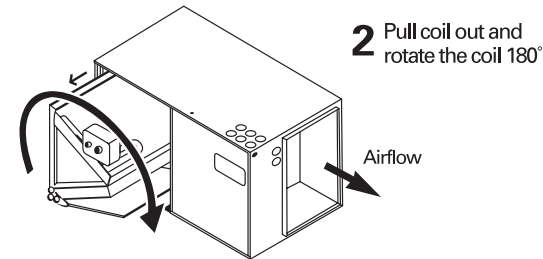
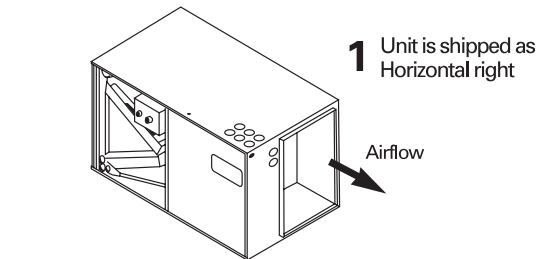


Vertical Downflow

One-Step Conversion
from Horizontal left

Easy Conversion to Opposite Side Access

(Conversion 5 & 6)



6 CONVERSION APPLICATIONS

1. Horizontal Right — (Front Access)
2. Vertical Upflow
3. Horizontal Left - (Front Access)
4. Vertical Downflow
5. Horizontal Right - (Rear Access)
6. Horizontal Left - (Rear Access)



Mechanical Specification Options

Condensing Units

General

The unit shall be fully charged from the factory for matched indoor section and up to 15 feet of piping. This unit must be designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities shall be matched with a wide selection of air handlers. Exterior must be designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint. Corrosion and weatherproof CMBP-G30 Duratuff™ base.(2TTB/2TTA)

Refrigerant Controls

Refrigeration system controls include condenser fan and compressor contactor. High and low pressure controls are inherent to the compressor. Another standard feature is the liquid line dryer.

Compressor

The Climatuff® compressor features internal over 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 and has a 10 year limited warranty.

Low Ambient Cooling

As manufactured, this unit has a cooling capability to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

Accessories

Thermostats — Heating/Cooling (manual and automatic changeover). Sub-base to match thermostat and locking thermostat cover.

Evaporator Defrost Control — See Low Ambient Cooling.

Outdoor Thermostat — Supplemental heat outdoor ambient lockout from 46 to -10°F.

Mechanical Specification Options

Air Handling Units

General

Blower coil units shall be completely factory assembled including coil, condensate drain pan, fan, motor, filters and controls in an insulated casing that can be applied in horizontal or vertical configuration.

This new line of TWE-C air handlers provides exclusive compact size combined with simple four-way convertibility in three sizes. The unit ships in the right hand horizontal configuration and converts to vertical upflow just by standing the unit on end. No tools required. Simple coil rotation provides downflow and horizontal left applications.

The four-way convertibility provides you inventory benefits and service/installation flexibility. The simple conversion provides opposite side access for installation and service.

Casing

Units shall have rugged sheet metal and steel frame construction and shall be painted with an enamel finish. Casing shall be insulated and knockouts shall be provided for electrical power and control wiring.

Refrigerant Circuits

The TWE units shall have a single refrigerant circuit. TWE03-040C refrigerant circuit shall be controlled by a flow control check valve (FCCV). The TWE050C refrigerant circuit shall be controlled by a factory-installed thermal expansion valve.

Coil

Aluminum fin surface shall be mechanically bonded to 3/8-inch OD copper tubing. Coils shall be factory pressure and leak tested.

Fan

Forward curved, dynamically and statically balanced with three-speed direct drive shall be standard, fan motor bearing shall be permanently lubricated.

Controls

Fan contactor, and plug-in module for accessory electric heat control shall be included. TWE models shall also include check valves.

Filters

Filters shall be included as standard.

Accessories

Electric Heaters — Shall be available in a wide range of capacities and voltages with various staging options and plug in control wiring. Heaters shall fit inside internal compartment.



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P.I.