



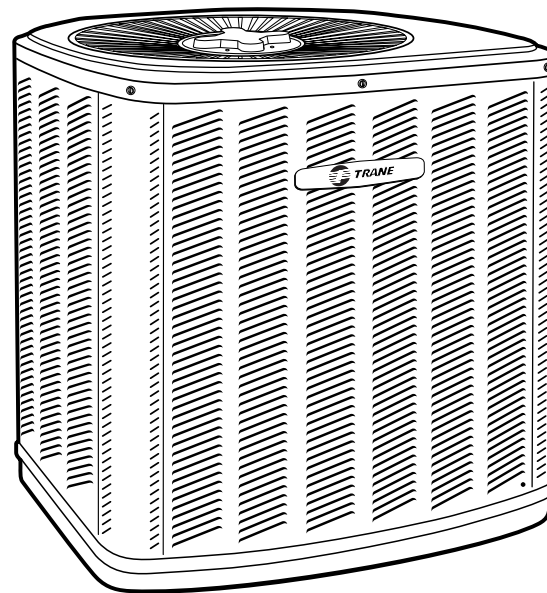
TRANE®

SSP-PRC007-EN

Split System Heat Pump Product & Performance Data

**Three Phase
2TWA0030-072A**

2½ – 6 Tons



PUB. NO. 22-1738-01-1002 (EN)



General Features

Split System Heat Pump Units . . . The Evolution Continues

2TWA0 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 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

- **Climatuff**® compressor
- All aluminum **Spine Fin**™ coil
- **DuraTuff**™ base, fast complete drain, weatherproof
- **WeatherGuard**™ fasteners
- New appearance with polystate gray cabinet
- **Quick-Sess**™ cabinet, service access and refrigerant connections with full coil protection
- Demand Defrost Control with Diagnostics
- Corrosion resistant finish
- Internal high/low pressure & temperature protection
- Low pressure switch
- High pressure switch on 2TWA0072
- Liquid line filter-drier
- **Comfort "R"**™ mode approved
- Crankcase heat provided
- Easy single side service
- Multi-use liquid and suction line service valves
- Easy top & fan removal
- Full length control and service valve cover
- HCFC-22 refrigerant
- **5 year limited warranty on compressor, coil, and 1 year on parts**
- **Extended warranties available**
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 55°F as shipped
- Low ambient cooling to 40°F with EDC accessory AY28X084
- Low ambient cooling to 30°F with EDC accessory AY28X084 and TXV
- Low ambient cooling to 0°F with TXV and BAYLOAM103



Features and Benefits

Optional Equipment

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

Indoor Thermostats — Elec. Setback Thermostat	TAYSTAT500C []
Electronic, 2 Htg./1 Clg. (Non Prog.)	TAYSTAT570 []
Automatic Heat/Cool (Two Stage Heating)	BAY28X138A []
Manual Seasonal Selector Heat/Cool (Two Stage Heating)	BAYSTAT239A []
Locking Thermostat Cover	BAY28X190 []
Outdoor Thermostats 46°F. to – 10°F. (Adjustable)	TAYSTAT250B []
Evaporator Defrost Control Kit	AY28X084 []
5 Minute Delay Relay ①	TAYASCT501A []
Outdoor Temperature Sensor (TAYSTAT500C)	TAYSENS100A []
Snow Legs – Base and Cap 4" High	BAYLEGS002 []
Snow Legs – addition 4" extension (used with BAYLEGS002)	BAYLEGS003 []
Electronic Head Pressure Control	BAYLOAM103 []
Extreme Conditions Mounting Kit	BAYECMT001 []
Seacoast Kit	BAYSEAC001 []

① Do not use with programmable thermostats

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

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_* []
3/4" 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

A.R.I. Standard Capacity Rating Conditions

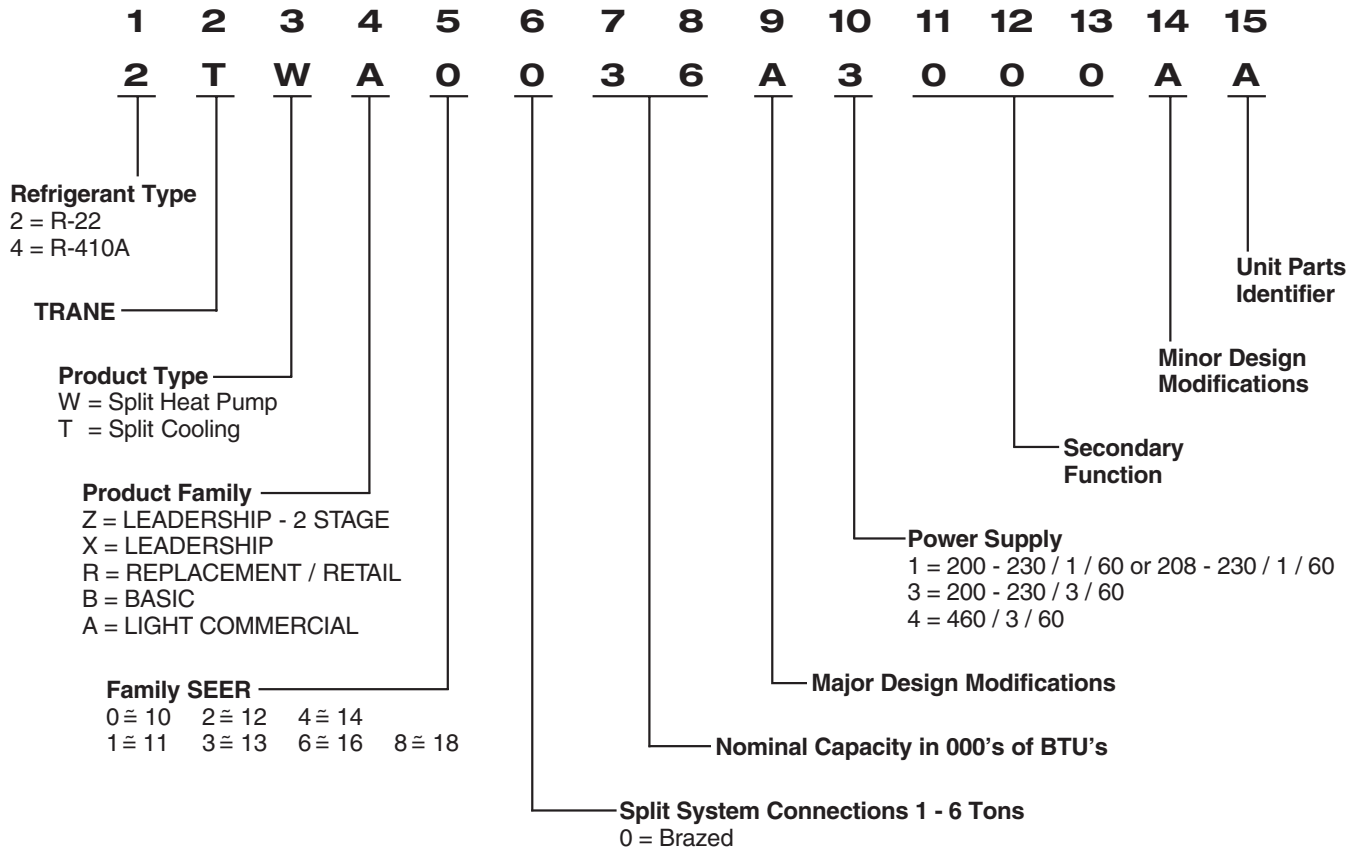
A.R.I. STANDARD 210/240 RATING CONDITIONS — (A) Cooling 80°F. D.B., 67°F. W.B. air entering indoor coil, 95°F. D.B. air entering outdoor coil. (B) High Temperature Heating 47°F. D.B., 43°F. W.B. air entering outdoor coil, 70°F. D.B. air entering indoor coil. (C) Low Temperature Heating 17°F. D.B., 15°F. W.B. air entering outdoor coil, 70°F. D.B. air entering indoor coil. (D) Rated indoor airflow for heating is the same as for cooling.

A.R.I. STANDARD 270 RATING CONDITIONS — (Noise rating numbers are determined with the unit in cooling operation.) Standard Noise Rating number is at 95°F. outdoor air.



Selection Procedure

Model Number Nomenclature





General Data

2TWA0030A3/4000A

OUTDOOR UNIT ①②	2TWA0030A3000A	2TWA0030A4000A
SOUND RATING (DECIBELS) ③	82	82
POWER CONNS. — V/PH/Hz ③	200/230/3/60	460/3/60
MIN. BRCH. CIR. AMPACITY	13	7
BR. CIR. } MAX. (AMPS)	20	15
PROT. RTG. } MIN. (AMPS)	20	15
COMPRESSOR	CLIMATUFF®	CLIMATUFF®
NO. USED - NO. SPEEDS	1 - 1	1 - 1
VOLTS/PH/Hz	200/230/3/60	460/3/60
R.L. AMPS ⑦ - L.R. AMPS	9.6 - 74	4.8 - 38
FACTORY INSTALLED		
START COMPONENTS ⑧	NO	NO
INSULATION/SOUND BLANKET	NO	NO
COMPRESSOR HEAT	YES	YES
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER
DIA. (IN.) - NO. USED	19 - 1	19 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	2475	2475
NO. MOTORS - HP	1 - 1/4	1 - 1/4
MOTOR SPEED R.P.M.	1075	1075
VOLTS/PH/Hz	200/230/3/60	460/3/60
FL. AMPS	1.3	0.6
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™
ROWS - F.P.I.	1 - 24	1 - 24
FACE AREA (SQ. FT.)	13.75	13.75
TUBE SIZE (IN.)	3/8	3/8
REFRIGERANT CONTROL	EXPANSION VALVE	EXPANSION VALVE
REFRIGERANT	R-22	R-22
(O.D. UNIT) NP CHR.G. ⑤	4/09-LB/OZ	4/09-LB/OZ
FACTORY SUPPLIED	YES	YES
LINE SIZE - IN. O.D. GAS ⑥	3/4	3/4
LINE SIZE - IN. O.D. LIQ. ⑥	5/16	5/16
FCCV		
RESTRICTOR ORIFICE SIZE	0.069	0.069
DIMENSIONS	H X W X D	H X W X D
OUTDOOR UNIT CRATED (IN.)	33.2 X 26.7 X 30.2	33.2 X 26.7 X 30.2
UNCRATED	SEE OUTLINE DWG.	SEE OUTLINE DWG.
WEIGHT		
SHIPPING (LBS.)	193	193
NET (LBS.)	173	173

- ① CERTIFIED IN ACCORDANCE WITH THE AIR-SOURCE UNITARY HEAT PUMP EQUIPMENT CERTIFICATION PROGRAM WHICH IS BASED ON A.R.I. STANDARD 210/240.
- ② RATED IN ACCORDANCE WITH A.R.I. STANDARD 270.
- ③ CALCULATED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. ONLY USE HACR CIRCUIT BREAKERS OR FUSES.
- ④ STANDARD AIR - DRY COIL - OUTDOOR
- ⑤ THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNIT NAMEPLATE AND SERVICE INSTRUCTION.
- ⑥ MAX. LINEAR LENGTH: 80 FT WITH RECIPROCATING COMPRESSOR - 60 FT WITH SCROLL. MAX. LIFT - SUCTION 60 FT; MAX LIFT - LIQUID 60 FT. FOR GREATER LENGTH REFER TO REFRIGERANT PIPING SOFTWARE PUB. NO. 32-3312-01.
- ⑦ THE VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAXIMUM FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑧ NO MEANS NO START COMPONENTS
YES MEANS QUICK START KIT COMPONENTS
PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



SPLIT SYSTEM



OUTDOOR UNIT WITH HEAT PUMP COILS

	TXA025C4	TXA030C4	TXA031C4	TXA035C4	TXA036C4	TXA043C4	TXC025C4
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	29800	30800	31000	31400	32200	32600	29800
BTUH (SENSIBLE)	20600	21800	22100	22900	23700	23900	20600
INDOOR AIRFLOW (CFM)	900	1000	1000	1100	1125	1125	900
SYSTEM POWER (KW)	3.15	3.24	3.25	3.31	3.34	3.36	3.15
EER/SEER (BTU/WATT-HR.)	9.45/10.25	9.50/10.25	9.55/10.25	9.50/10.25	9.65/10.25	9.70/10.25	9.45/10.25
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	28600	28800	29200	29000	29800	29800	28600
SYSTEM POWER (KW)	2.93	2.95	2.87	2.95	2.85	2.82	2.93
COP	2.86	2.86	2.98	2.88	3.06	3.10	2.86
HSPF (BTU/WATT-HR.)	7.40	7.35	7.55	7.40	7.70	7.70	7.40

	TXC025D4	TXC030C4	TXC030D4	TXC031C4	TXC031D4	TXC031S3	TXC035C4
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	TXV-NB	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	29800	30800	30800	31000	31000	32400	31400
BTUH (SENSIBLE)	20600	21800	21800	22100	22100	23100	22900
INDOOR AIRFLOW (CFM)	900	1000	1000	1000	1000	1000	1100
SYSTEM POWER (KW)	3.15	3.24	3.24	3.25	3.25	3.31	3.31
EER/SEER (BTU/WATT-HR.)	9.45/10.25	9.50/10.25	9.50/10.25	9.55/10.25	9.55/10.25	9.80/11.00	9.50/10.25
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	28600	28800	28800	29200	29200	29400	29000
SYSTEM POWER (KW)	2.93	2.95	2.95	2.87	2.87	2.83	2.95
COP	2.86	2.86	2.86	2.98	2.98	3.04	2.88
HSPF (BTU/WATT-HR.)	7.40	7.35	7.35	7.55	7.55	7.65	7.40

*See page 22 for combinations with Auxiliary Devices.



General Data

2TWA0030A3/4000A

OUTDOOR UNIT WITH HEAT PUMP COILS

	TXC035D4	TXC036C4	TXC036D4	TXC036S3	TXC037S3	TXH025A4	TXH033A4
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	TXV-NB	TXV-NB	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	31400	32200	32200	33600	33600	29400	31000
BTUH (SENSIBLE)	22900	23700	23700	24900	24900	20200	22700
INDOOR AIRFLOW (CFM)	1100	1125	1125	1125	1125	900	1000
SYSTEM POWER (KW)	3.31	3.34	3.34	3.39	3.39	3.14	3.25
EER/SEER (BTU/WATT-HR.)	9.50/10.25	9.65/10.25	9.65/10.25	9.90/11.25	9.90/11.25	9.35/10.00	9.55/10.25
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	29000	29800	29800	30000	30000	28200	29200
SYSTEM POWER (KW)	2.95	2.85	2.85	2.80	2.80	3.04	2.89
COP	2.88	3.06	3.06	3.14	3.14	2.72	2.96
HSPF (BTU/WATT-HR.)	7.40	7.70	7.70	7.80	7.80	7.15	7.55

TXH041A4

EXPANSION TYPE	CHG TO 69
RATINGS (COOLING) ①	
BTUH (TOTAL)	33200
BTUH (SENSIBLE)	24700
INDOOR AIRFLOW (CFM)	1125
SYSTEM POWER (KW)	3.37
EER/SEER (BTU/WATT-HR.)	9.85/10.50
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	29800
SYSTEM POWER (KW)	2.82
COP	3.10
HSPF (BTU/WATT-HR.)	7.75

OUTDOOR UNIT WITH AIR HANDLERS

	TVF024A14	TVF025A14	TVF030A14	TVF036A14	TWE024C14	TWE024P13	TWE030C14
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	TXV-NB	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	30000	30800	32000	33000	28800	31200	30200
BTUH (SENSIBLE)	20200	21700	23300	24800	19600	21800	21500
INDOOR AIRFLOW (CFM)	775	900	1000	1125	900	900	1000
SYSTEM POWER (KW)	3.13	3.21	3.27	3.40	3.10	3.20	3.20
EER/SEER (BTU/WATT-HR.)	9.60/10.50	9.60/10.50	9.80/10.75	9.70/10.50	9.30/10.25	9.75/11.00	9.45/10.25
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	28400	28800	29200	29800	27800	28600	29400
SYSTEM POWER (KW)	2.93	2.91	2.81	2.83	3.02	2.89	2.93
COP	2.84	2.90	3.04	3.08	2.70	2.90	2.94
HSPF (BTU/WATT-HR.)	7.40	7.50	7.75	7.80	7.15	7.40	7.50

	TWE030P13	TWE031E13	TWE036C14	TWE036P13	TWE037E13	TWG025A14	TWG030A14
EXPANSION TYPE	TXV-NB	TXV-NB	CHG TO 69	TXV-NB	TXV-NB	CHG TO 69	FACT INS 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	31600	32200	32000	32400	32800	30000	30600
BTUH (SENSIBLE)	22300	23400	23900	23800	23600	21200	22100
INDOOR AIRFLOW (CFM)	940	1020	1125	1125	1000	900	1000
SYSTEM POWER (KW)	3.21	3.16	3.32	3.34	3.09	3.11	3.20
EER/SEER (BTU/WATT-HR.)	9.85/11.00	10.20/11.50	9.65/10.50	9.70/11.00	10.60/11.50	9.65/10.50	9.55/10.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	28800	28600	29400	29600	28600	28000	28600
SYSTEM POWER (KW)	2.87	2.77	2.91	2.87	2.67	2.93	2.97
COP	2.94	3.02	2.96	3.02	3.14	2.80	2.82
HSPF (BTU/WATT-HR.)	7.50	7.75	7.60	7.60	8.00	7.30	7.40

*See page 22 for combinations with Auxiliary Devices.



General Data

2TWA0030A3/4000A

OUTDOOR UNIT WITH AIR HANDLERS

TWG036A14	
EXPANSION TYPE	CHG TO 69
RATINGS (COOLING) ①	
BTUH (TOTAL)	31800
BTUH (SENSIBLE)	23800
INDOOR AIRFLOW (CFM)	1125
SYSTEM POWER (KW)	3.30
EER/SEER (BTU/WATT-HR.)	9.65/10.50
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	29200
SYSTEM POWER (KW)	2.91
COP	2.94
HSPF (BTU/WATT-HR.)	7.55

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD060R9V3 +TXC031S3	TDD060R9V3 +TXC036S3	TDD080R9V3 +TXC031S3	TDD080R9V3 +TXC036S3	TUD060R9V3 +TXC031S3	TUD060R9V3 +TXC036S3	TUD080R9V3 +TXC031S3
EXPANSION TYPE	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	32800	33600	32600	33200	32800	33600	32800
BTUH (SENSIBLE)	23500	24100	23000	23400	23800	24200	23500
INDOOR AIRFLOW (CFM)	1000	1000	945	945	1050	1020	1000
SYSTEM POWER (KW)	3.15	3.17	3.12	3.12	3.22	3.22	3.17
EER/SEER (BTU/WATT-HR.)	10.40/11.50	10.60/11.50	10.45/11.50	10.65/11.50	10.20/11.50	10.45/11.50	10.35/11.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	28800	29000	28600	28800	29000	29200	28800
SYSTEM POWER (KW)	2.70	2.64	2.70	2.64	2.74	2.69	2.70
COP	3.12	3.22	3.10	3.20	3.10	3.18	3.12
HSPF (BTU/WATT-HR.)	8.00	8.15	8.00	8.15	7.90	8.10	8.00

TUD080R9V3 +TXC036S3	
EXPANSION TYPE	TXV-NB
RATINGS (COOLING) ①	
BTUH (TOTAL)	33600
BTUH (SENSIBLE)	24100
INDOOR AIRFLOW (CFM)	1000
SYSTEM POWER (KW)	3.17
EER/SEER (BTU/WATT-HR.)	10.60/11.50
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	29000
SYSTEM POWER (KW)	2.64
COP	3.22
HSPF (BTU/WATT-HR.)	8.15

①See page 22 for combinations with Auxiliary Devices.



General Data

2TWA0036A3/4000A

OUTDOOR UNIT ①②	2TWA0036A3000A	2TWA0036A4000A
SOUND RATING (DECIBELS) ②	80	80
POWER CONNS. — V/PH/Hz ③	200/230/3/60	460/3/60
MIN. BRCH. CIR. AMPACITY	15	7
BR. CIR. } MAX. (AMPS)	25	15
PROT. RTG. } MIN. (AMPS)	20	15
COMPRESSOR	CLIMATUFF®	CLIMATUFF®
NO. USED - NO. SPEEDS	1 - 1	1 - 1
VOLTS/PH/Hz	200/230/3/60	460/3/60
R.L. AMPS ⑦ - L.R. AMPS	10.9 - 74	5.5 - 38
FACTORY INSTALLED		
START COMPONENTS ⑧	NO	NO
INSULATION/SOUND BLANKET	NO	NO
COMPRESSOR HEAT	YES	YES
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER
DIA. (IN.) - NO. USED	19 - 1	19 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	2475	2475
NO. MOTORS - HP	1 - 1/4	1 - 1/4
MOTOR SPEED R.P.M.	1075	1075
VOLTS/PH/Hz	200/230/3/60	460/3/60
FL. AMPS	1.3	0.7
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™
ROWS - F.P.I.	1 - 24	1 - 24
FACE AREA (SQ. FT.)	11.32	11.32
TUBE SIZE (IN.)	3/8	3/8
REFRIGERANT CONTROL	EXPANSION VALVE	EXPANSION VALVE
REFRIGERANT	R-22	R-22
(O.D. UNIT) NP CHR.G. ⑤	5/12-LB/OZ	5/12-LB/OZ
FACTORY SUPPLIED	YES	YES
LINE SIZE - IN. O.D. GAS ⑥	7/8	7/8
LINE SIZE - IN. O.D. LIQ. ⑥	3/8	3/8
FCCV		
RESTRICTOR ORIFICE SIZE	0.069	0.069
DIMENSIONS	H X W X D	H X W X D
OUTDOOR UNIT CRATED (IN.)	33.2 X 26.7 X 30.2	33.2 X 26.7 X 30.2
UNCRATED	SEE OUTLINE DWG.	SEE OUTLINE DWG.
WEIGHT		
SHIPPING (LBS.)	192	192
NET (LBS.)	172	172

- ① CERTIFIED IN ACCORDANCE WITH THE AIR-SOURCE UNITARY HEAT PUMP EQUIPMENT CERTIFICATION PROGRAM WHICH IS BASED ON A.R.I. STANDARD 210/240.
- ② RATED IN ACCORDANCE WITH A.R.I. STANDARD 270.
- ③ CALCULATED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. ONLY USE HACR CIRCUIT BREAKERS OR FUSES.
- ④ STANDARD AIR - DRY COIL - OUTDOOR
- ⑤ THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNIT NAMEPLATE AND SERVICE INSTRUCTION.
- ⑥ MAX. LINEAR LENGTH: 80 FT WITH RECIPROCATING COMPRESSOR - 60 FT WITH SCROLL. MAX. LIFT - SUCTION 60 FT; MAX LIFT - LIQUID 60 FT. FOR GREATER LENGTH REFER TO REFRIGERANT PIPING SOFTWARE PUB. NO. 32-3312-01.
- ⑦ THE VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAXIMUM FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑧ NO MEANS NO START COMPONENTS
YES MEANS QUICK START KIT COMPONENTS
PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



SPLIT SYSTEM



OUTDOOR UNIT WITH HEAT PUMP COILS

	TXA031C4	TXA036C4	TXA037C4	TXA042C4	TXC031C4	TXC031D4	TXC031S3
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	34800	36000	36000	36400	34800	34800	35800
BTUH (SENSIBLE)	24600	26000	26000	26200	24600	24600	25500
INDOOR AIRFLOW (CFM)	1100	1200	1200	1200	1100	1100	1110
SYSTEM POWER (KW)	3.74	3.85	3.85	3.87	3.74	3.74	3.77
EER/SEER (BTU/WATT-HR.)	9.30/10.00	9.35/10.00	9.35/10.00	9.40/10.25	9.30/10.00	9.30/10.00	9.50/11.00
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	33200	33600	33600	33800	33200	33200	33400
SYSTEM POWER (KW)	3.33	3.26	3.26	3.24	3.33	3.33	3.26
COP	2.92	3.02	3.02	3.06	2.92	2.92	3.00
HSPF (BTU/WATT-HR.)	6.90	7.05	7.05	7.10	6.90	6.90	7.00

	TXC036C4	TXC036D4	TXC036S3	TXC037C4	TXC037S3	TXC042C4	TXH033A4
EXPANSION TYPE	CHG TO 69	CHG TO 69	TXV-NB	CHG TO 69	TXV-NB	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	36000	36000	37000	36000	37000	36400	34600
BTUH (SENSIBLE)	26000	26000	27000	26000	27000	26200	25400
INDOOR AIRFLOW (CFM)	1200	1200	1200	1200	1200	1200	1125
SYSTEM POWER (KW)	3.85	3.85	3.85	3.85	3.85	3.87	3.74
EER/SEER (BTU/WATT-HR.)	9.35/10.00	9.35/10.00	9.60/11.00	9.35/10.00	9.60/11.00	9.40/10.25	9.25/10.00
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	33600	33600	34000	33600	34000	33800	33200
SYSTEM POWER (KW)	3.26	3.26	3.19	3.26	3.19	3.24	3.33
COP	3.02	3.02	3.12	3.02	3.12	3.06	2.92
HSPF (BTU/WATT-HR.)	7.05	7.05	7.15	7.05	7.15	7.10	6.90

*See page 23 for combinations with Auxiliary Devices.



General Data

2TWA0036A3/4000A

OUTDOOR UNIT WITH HEAT PUMP COILS

TXH041A4	
EXPANSION TYPE	CHG TO 69
RATINGS (COOLING) ①	
BTUH (TOTAL)	37600
BTUH (SENSIBLE)	28700
INDOOR AIRFLOW (CFM)	1350
SYSTEM POWER (KW)	4.00
EER/SEER (BTU/WATT-HR.)	9.40/10.25
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	34200
SYSTEM POWER (KW)	3.25
COP	3.08
HSPF (BTU/WATT-HR.)	7.10

OUTDOOR UNIT WITH AIR HANDLERS

	TVF030A14	TVF036A14	TWE030C14	TWE030P13	TWE031E13	TWE036C14	TWE036P13
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	TXV-NB	TXV-NB	CHG TO 69	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	35600	36800	33400	34200	35600	34800	35800
BTUH (SENSIBLE)	26000	27200	22600	23400	26400	25500	25900
INDOOR AIRFLOW (CFM)	1125	1200	945	940	1220	1200	1200
SYSTEM POWER (KW)	3.83	3.94	3.57	3.58	3.73	3.72	3.79
EER/SEER (BTU/WATT-HR.)	9.30/10.25	9.35/10.25	9.35/10.25	9.55/10.75	9.55/11.00	9.35/10.00	9.45/10.75
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	33400	33800	32200	32400	33200	33800	33400
SYSTEM POWER (KW)	3.31	3.26	3.39	3.34	3.29	3.32	3.28
COP	2.96	3.04	2.78	2.84	2.96	2.98	2.98
HSPF (BTU/WATT-HR.)	7.00	7.10	6.80	6.80	7.00	6.80	7.00

	TWE037E13	TWE042C14	TWE042P13	TWG030A14	TWG036A14	TWG037A14	TWG042A14
EXPANSION TYPE	TXV-NB	CHG TO 69	TXV-NB	FACT INS 69	CHG TO 69	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	36400	37000	37200	34200	35000	35400	35600
BTUH (SENSIBLE)	26400	28200	28400	24500	25300	26100	26600
INDOOR AIRFLOW (CFM)	1160	1350	1350	1100	1150	1200	1335
SYSTEM POWER (KW)	3.62	3.98	3.92	3.68	3.85	3.77	3.83
EER/SEER (BTU/WATT-HR.)	10.05/11.50	9.30/10.25	9.50/11.00	9.30/10.25	9.10/10.00	9.40/10.25	9.30/10.25
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	32800	34000	34200	32400	33200	33000	33400
SYSTEM POWER (KW)	3.14	3.32	3.25	3.44	3.45	3.38	3.31
COP	3.06	3.00	3.08	2.76	2.82	2.86	2.96
HSPF (BTU/WATT-HR.)	7.20	7.05	7.10	6.80	6.80	6.90	7.00

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD060R9V3 +TXC031E5	TDD060R9V3 +TXC031S3	TDD060R9V3 +TXC036S3	TDD080R9V3 +TXC031S3	TDD080R9V3 +TXC036S3	TDD100R9V5 +TXC037S3	TUD060R9V3 +TXC031S3
EXPANSION TYPE	TXV-B	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	36400	36400	37400	36200	37200	37600	36400
BTUH (SENSIBLE)	26600	26600	27400	25900	26800	27500	26600
INDOOR AIRFLOW (CFM)	1200	1200	1200	1120	1130	1180	1200
SYSTEM POWER (KW)	3.73	3.73	3.76	3.66	3.68	3.63	3.77
EER/SEER (BTU/WATT-HR.)	9.75/11.05	9.75/11.10	9.95/11.25	9.90/11.25	10.10/11.50	10.35/11.50	9.65/11.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	33400	33400	33600	33000	33200	33200	33400
SYSTEM POWER (KW)	3.22	3.22	3.14	3.18	3.10	3.04	3.24
COP	3.04	3.04	3.14	3.04	3.10	3.20	3.02
HSPF (BTU/WATT-HR.)	7.15	7.15	7.30	7.15	7.30	7.40	7.10

*See page 23 for combinations with Auxiliary Devices.



General Data

2TWA0036A3/4000A

OUTDOOR UNIT WITH FURNACES AND COILS

	TUD060R9V3 +TXC036S3	TUD080R9V3 +TXC031S3	TUD080R9V3 +TXC036S3	TUD100R9V5 +TXC037S3
EXPANSION TYPE	TXV-NB	TXV-NB	TXV-NB	TXV-NB
RATINGS (COOLING) ①				
BTUH (TOTAL)	37200	36400	37200	37600
BTUH (SENSIBLE)	27200	26600	27200	27700
INDOOR AIRFLOW (CFM)	1200	1200	1200	1200
SYSTEM POWER (KW)	3.80	3.75	3.80	3.67
EER/SEER (BTU/WATT-HR.)	9.80/11.25	9.70/11.00	9.80/11.00	10.25/11.50
RATINGS (HEATING) ①				
(HIGH TEMP) BTUH	33600	33400	33600	33200
SYSTEM POWER (KW)	3.16	3.24	3.16	3.04
COP	3.12	3.02	3.12	3.20
HSPF (BTU/WATT-HR.)	7.25	7.10	7.25	7.40

*See page 23 for combinations with Auxiliary Devices.



General Data

2TWA0042A3/4000A

OUTDOOR UNIT ①②	2TWA0042A3000A	2TWA0042A4000A
SOUND RATING (DECIBELS) ②	81	81
POWER CONNS. — V/PH/Hz ③	200/230/3/60	460/3/60
MIN. BRCH. CIR. AMPACITY	17	9
BR. CIR. } MAX. (AMPS)	30	15
PROT. RTG. } MIN. (AMPS)	30	15
COMPRESSOR	CLIMATUFF®	CLIMATUFF®
NO. USED - NO. SPEEDS	1 - 1	1 - 1
VOLTS/PH/Hz	200/230/3/60	460/3/60
R.L. AMPS ⑦ - L.R. AMPS	12.8 - 101	6.4 - 51
FACTORY INSTALLED		
START COMPONENTS ⑧	NO	NO
INSULATION/SOUND BLANKET	NO	NO
COMPRESSOR HEAT	YES	YES
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER
DIA. (IN.) - NO. USED	23 - 1	23 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	3325	3325
NO. MOTORS - HP	1 - 1/6	1 - 1/6
MOTOR SPEED R.P.M.	825	825
VOLTS/PH/Hz	200/230/3/60	460/3/60
FL. AMPS	1.4	0.7
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™
ROWS - F.P.I.	1 - 24	1 - 24
FACE AREA (SQ. FT.)	15.18	15.18
TUBE SIZE (IN.)	3/8	3/8
REFRIGERANT CONTROL	EXPANSION VALVE	EXPANSION VALVE
REFRIGERANT	R-22	R-22
(O.D. UNIT) NP CHR.G. ⑤	6/08-LB/OZ	6/08-LB/OZ
FACTORY SUPPLIED	YES	YES
LINE SIZE - IN. O.D. GAS ⑥	7/8	7/8
LINE SIZE - IN. O.D. LIQ. ⑥	3/8	3/8
FCCV		
RESTRICTOR ORIFICE SIZE	0.077	0.077
DIMENSIONS	H X W X D	H X W X D
OUTDOOR UNIT CRATED (IN.)	38 X 30.1 X 33.8	38 X 30.1 X 33.8
UNCRATED	SEE OUTLINE DWG.	SEE OUTLINE DWG.
WEIGHT		
SHIPPING (LBS.)	250	250
NET (LBS.)	223	223

- ① CERTIFIED IN ACCORDANCE WITH THE AIR-SOURCE UNITARY HEAT PUMP EQUIPMENT CERTIFICATION PROGRAM WHICH IS BASED ON A.R.I. STANDARD 210/240.
- ② RATED IN ACCORDANCE WITH A.R.I. STANDARD 270.
- ③ CALCULATED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. ONLY USE HACR CIRCUIT BREAKERS OR FUSES.
- ④ STANDARD AIR - DRY COIL - OUTDOOR
- ⑤ THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNIT NAMEPLATE AND SERVICE INSTRUCTION.
- ⑥ MAX. LINEAR LENGTH: 80 FT WITH RECIPROCATING COMPRESSOR - 60 FT WITH SCROLL. MAX. LIFT - SUCTION 60 FT; MAX LIFT - LIQUID 60 FT. FOR GREATER LENGTH REFER TO REFRIGERANT PIPING SOFTWARE PUB. NO. 32-3312-01.
- ⑦ THE VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAXIMUM FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑧ NO MEANS NO START COMPONENTS
YES MEANS QUICK START KIT COMPONENTS
PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



SPLIT SYSTEM



OUTDOOR UNIT WITH HEAT PUMP COILS

	TXA035C4	TXA036C4	TXA037C4	TXA042C4	TXA043C4	TXA048C4	TXA049C4
EXPANSION TYPE	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77
RATINGS (COOLING) ①							
BTUH (TOTAL)	38000	40500	41000	41000	42000	42500	43500
BTUH (SENSIBLE)	25700	28000	29300	28200	30300	30400	32700
INDOOR AIRFLOW (CFM)	1100	1200	1350	1200	1400	1350	1575
SYSTEM POWER (KW)	3.92	4.07	4.12	4.08	4.20	4.21	4.33
EER/SEER (BTU/WATT-HR.)	9.70/10.00	9.95/10.25	9.95/10.25	10.05/10.25	10.00/10.25	10.10/10.25	10.05/10.25
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	37800	39500	40000	39500	40000	40500	41000
SYSTEM POWER (KW)	3.93	3.71	3.71	3.69	3.66	3.62	3.62
COP	2.82	3.12	3.16	3.14	3.20	3.28	3.32
HSPF (BTU/WATT-HR.)	7.15	7.70	7.80	7.80	7.90	8.00	8.05

	TXC035C4	TXC035D4	TXC036C4	TXC036D4	TXC036S3	TXC037C4	TXC037S3
EXPANSION TYPE	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	TXV-NB	CHG TO 77	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	38000	38000	40500	40500	42500	41000	43000
BTUH (SENSIBLE)	25700	25700	28000	28000	30200	29300	31100
INDOOR AIRFLOW (CFM)	1100	1100	1200	1200	1280	1350	1350
SYSTEM POWER (KW)	3.92	3.92	4.07	4.07	4.15	4.12	4.20
EER/SEER (BTU/WATT-HR.)	9.70/10.00	9.70/10.00	9.95/10.25	9.95/10.25	10.25/11.00	9.95/10.25	10.25/11.00
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	37800	37800	39500	39500	40000	40000	40500
SYSTEM POWER (KW)	3.93	3.93	3.71	3.71	3.62	3.71	3.62
COP	2.82	2.82	3.12	3.12	3.24	3.16	3.28
HSPF (BTU/WATT-HR.)	7.15	7.15	7.70	7.70	7.95	7.80	8.00

*See pages 23 and 24 for combinations with Auxiliary Devices.



General Data

2TWA0042A3/4000A

OUTDOOR UNIT WITH HEAT PUMP COILS

	TXC042C4	TXC043C4	TXC048C4	TXC049C4	TXC054S3	TXH041A4	TXH054A4
EXPANSION TYPE	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	TXV-NB	CHG TO 77	CHG TO 77
RATINGS (COOLING) ①							
BTUH (TOTAL)	41000	42000	42500	43500	43500	43000	45500
BTUH (SENSIBLE)	28200	30300	30400	32700	32600	31500	35100
INDOOR AIRFLOW (CFM)	1200	1400	1350	1575	1575	1400	1575
SYSTEM POWER (KW)	4.08	4.20	4.21	4.33	4.31	4.24	4.42
EER/SEER (BTU/WATT-HR.)	10.05/10.25	10.00/10.25	10.10/10.25	10.05/10.25	10.10/11.00	10.15/10.50	10.30/10.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	39500	40000	40500	41000	41000	40000	41500
SYSTEM POWER (KW)	3.69	3.66	3.62	3.62	3.55	3.64	3.56
COP	3.14	3.20	3.28	3.32	3.38	3.22	3.42
HSPF (BTU/WATT-HR.)	7.80	7.90	8.00	8.05	8.15	7.90	8.20

OUTDOOR UNIT WITH AIR HANDLERS

	TVF036A14	TWE036C14	TWE036P13	TWE037E13	TWE040E13	TWE042C14	TWE042P13
EXPANSION TYPE	CHG TO 77	CHG TO 77	TXV-NB	TXV-NB	TXV-NB	CHG TO 77	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	42000	40500	41000	42000	45000	42000	43000
BTUH (SENSIBLE)	30800	29500	29300	30400	33800	30700	31400
INDOOR AIRFLOW (CFM)	1350	1350	1350	1350	1425	1400	1400
SYSTEM POWER (KW)	4.29	4.13	4.18	4.04	4.15	4.20	4.22
EER/SEER (BTU/WATT-HR.)	9.80/10.25	9.80/10.25	9.80/10.50	10.40/11.25	10.85/11.50	10.00/10.25	10.20/11.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	40500	39500	39500	39000	40500	40500	40000
SYSTEM POWER (KW)	3.78	3.86	3.76	3.62	3.41	3.73	3.64
COP	3.14	3.00	3.08	3.16	3.48	3.18	3.22
HSPF (BTU/WATT-HR.)	7.80	7.55	7.60	7.85	8.50	7.75	7.85

	TWE048C14	TWE048P13	TWE049E13	TWE060A	TWE060C/D15	TWE060P13	TWG036A14
EXPANSION TYPE	CHG TO 77	TXV-NB	TXV-NB	TXV-B	TXV-B	TXV-NB	CHG TO 77
RATINGS (COOLING) ①							
BTUH (TOTAL)	44000	46000	45500	43000	43500	46000	39000
BTUH (SENSIBLE)	33600	35300	33600	32100	32600	35400	27100
INDOOR AIRFLOW (CFM)	1575	1575	1400	1575	1575	1575	1150
SYSTEM POWER (KW)	4.38	4.34	4.12	4.10	4.44	4.34	4.06
EER/SEER (BTU/WATT-HR.)	10.05/10.50	10.60/11.00	11.05/11.50	10.50/11.00	9.80/10.50	10.60/11.00	9.60/10.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	41000	41500	40500	40500	41500	41500	38500
SYSTEM POWER (KW)	3.71	3.47	3.33	3.55	3.75	3.51	3.94
COP	3.24	3.50	3.56	3.34	3.24	3.46	2.86
HSPF (BTU/WATT-HR.)	8.00	8.30	8.55	8.10	7.90	8.20	7.30

	TWG037A14	TWG042A14	TWG048A14	TWG060A15
EXPANSION TYPE	CHG TO 77	CHG TO 77	CHG TO 77	TXV-B
RATINGS (COOLING) ①				
BTUH (TOTAL)	39500	40500	43500	44000
BTUH (SENSIBLE)	28400	29200	33100	33000
INDOOR AIRFLOW (CFM)	1275	1400	1575	1575
SYSTEM POWER (KW)	4.03	4.09	4.29	4.38
EER/SEER (BTU/WATT-HR.)	9.80/10.25	9.90/10.25	10.15/10.50	10.05/11.00
RATINGS (HEATING) ①				
(HIGH TEMP.) BTUH	38500	39000	40500	41500
SYSTEM POWER (KW)	3.86	3.73	3.66	3.75
COP	2.92	3.06	3.24	3.24
HSPF (BTU/WATT-HR.)	7.40	7.70	8.00	8.00

*See pages 23 and 24 for combinations with Auxiliary Devices.



General Data

2TWA0042A3/4000A

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD080R9V3 +TXC036S3	TDD080R9V3 +TXH063P3	TDD100R9V5 +TXC037S3	TDD100R9V5 +TXC054S3	TDD100R9V5 +TXH063P3	TDD120R9V5 +TXH063P3	TUD080R9V3 +TXC036S3
EXPANSION TYPE	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	43000	45000	43500	43000	45500	46000	43000
BTUH (SENSIBLE)	30900	32600	31800	31100	33500	34000	31400
INDOOR AIRFLOW (CFM)	1330	1340	1390	1390	1400	1400	1400
SYSTEM POWER (KW)	4.11	4.15	4.08	4.06	4.17	4.05	4.22
EER/SEER (BTU/WATT-HR.)	10.45/11.25	10.85/11.50	10.65/11.50	10.60/11.50	10.90/11.50	11.35/11.50	10.20/11.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	40000	40500	40000	40000	40500	40500	40500
SYSTEM POWER (KW)	3.60	3.41	3.51	3.47	3.37	3.28	3.66
COP	3.26	3.48	3.34	3.38	3.52	3.62	3.24
HSPF (BTU/WATT-HR.)	8.05	8.50	8.15	8.30	8.50	8.70	8.00

	TUD080R9V3 +TXH063P3	TUD100R9V5 +TXC037S3	TUD100R9V5 +TXC054S3	TUD100R9V5 +TXH063P3	TUD120R9V5 +TXC065S3	TUD120R9V5 +TXH063P3	TUD140R9V5 +TXC065S3
EXPANSION TYPE	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	45000	43500	43000	45500	44500	46000	44500
BTUH (SENSIBLE)	33000	31800	31100	33500	32500	34000	32300
INDOOR AIRFLOW (CFM)	1400	1400	1400	1400	1400	1400	1375
SYSTEM POWER (KW)	4.25	4.16	4.11	4.16	4.05	4.07	4.03
EER/SEER (BTU/WATT-HR.)	10.60/11.50	10.45/11.25	10.45/11.25	10.95/11.50	11.00/11.50	11.30/11.50	11.05/11.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	41000	40000	40000	40500	40000	40500	40000
SYSTEM POWER (KW)	3.49	3.55	3.49	3.37	3.33	3.28	3.35
COP	3.44	3.30	3.36	3.52	3.52	3.62	3.50
HSPF (BTU/WATT-HR.)	8.35	8.10	8.20	8.40	8.50	8.55	8.50

	TUD140R9V5 +TXH063P3
EXPANSION TYPE	TXV-NB
RATINGS (COOLING) ①	
BTUH (TOTAL)	45500
BTUH (SENSIBLE)	33600
INDOOR AIRFLOW (CFM)	1400
SYSTEM POWER (KW)	4.04
EER/SEER (BTU/WATT-HR.)	11.25/11.50
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	40500
SYSTEM POWER (KW)	3.31
COP	3.58
HSPF (BTU/WATT-HR.)	8.50

①See pages 23 and 24 for combinations with Auxiliary Devices.



General Data

2TWA0048A3/4000A

OUTDOOR UNIT ①②	2TWA0048A3000A	2TWA0048A4000A
SOUND RATING (DECIBELS) ②	81	81
POWER CONNS. — V/PH/Hz ③	200/230/3/60	460/3/60
MIN. BRCH. CIR. AMPACITY	19	10
BR. CIR. } MAX. (AMPS)	30	15
PROT. RTG. } MIN. (AMPS)	30	15
COMPRESSOR	CLIMATUFF®	CLIMATUFF®
NO. USED - NO. SPEEDS	1 - 1	1 - 1
VOLTS/PH/Hz	200/230/3/60	460/3/60
R.L. AMPS ⑦ - L.R. AMPS	13.7 - 101	7.1 - 51
FACTORY INSTALLED		
START COMPONENTS ⑧	NO	NO
INSULATION/SOUND BLANKET	NO	NO
COMPRESSOR HEAT	YES	YES
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER
DIA. (IN.) - NO. USED	23 - 1	23 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	3700	3700
NO. MOTORS - HP	1 - 1/4	1 - 1/4
MOTOR SPEED R.P.M.	825	825
VOLTS/PH/Hz	200/230/3/60	460/3/60
FL. AMPS	1.9	1
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™
ROWS - F.P.I.	1 - 24	1 - 24
FACE AREA (SQ. FT.)	15.18	15.18
TUBE SIZE (IN.)	3/8	3/8
REFRIGERANT CONTROL	EXPANSION VALVE	EXPANSION VALVE
REFRIGERANT	R-22	R-22
(O.D. UNIT) NP CHR.G. ⑤	8/06-LB/OZ	8/06-LB/OZ
FACTORY SUPPLIED	YES	YES
LINE SIZE - IN. O.D. GAS ⑥	1-1/8	1-1/8
LINE SIZE - IN. O.D. LIQ. ⑥	3/8	3/8
FCCV		
RESTRICTOR ORIFICE SIZE	0.083	0.083
DIMENSIONS	H X W X D	H X W X D
OUTDOOR UNIT CRATED (IN.)	38 X 30.1 X 33.8	38 X 30.1 X 33.8
UNCRATED	SEE OUTLINE DWG.	SEE OUTLINE DWG.
WEIGHT		
SHIPPING (LBS.)	254	254
NET (LBS.)	226	226

- ① CERTIFIED IN ACCORDANCE WITH THE AIR-SOURCE UNITARY HEAT PUMP EQUIPMENT CERTIFICATION PROGRAM WHICH IS BASED ON A.R.I. STANDARD 210/240.
- ② RATED IN ACCORDANCE WITH A.R.I. STANDARD 270.
- ③ CALCULATED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. ONLY USE HACR CIRCUIT BREAKERS OR FUSES.
- ④ STANDARD AIR - DRY COIL - OUTDOOR
- ⑤ THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNIT NAMEPLATE AND SERVICE INSTRUCTION.
- ⑥ MAX. LINEAR LENGTH: 80 FT WITH RECIPROCATING COMPRESSOR - 60 FT WITH SCROLL. MAX. LIFT - SUCTION 60 FT; MAX LIFT - LIQUID 60 FT. FOR GREATER LENGTH REFER TO REFRIGERANT PIPING SOFTWARE PUB. NO. 32-3312-01.
- ⑦ THE VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAXIMUM FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑧ NO MEANS NO START COMPONENTS
YES MEANS QUICK START KIT COMPONENTS
PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



SPLIT SYSTEM



OUTDOOR UNIT WITH HEAT PUMP COILS

	TXA042C4	TXA043C4	TXA048C4	TXA049C4	TXA050C4	TXA060C5	TXA061C5
EXPANSION TYPE	CHG TO 83	CHG TO 83	FACT INS 83	FACT INS 83	FACT INS 83	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	44000	46500	46000	47500	47500	48000	49500
BTUH (SENSIBLE)	29400	33700	31900	34600	34600	35300	37700
INDOOR AIRFLOW (CFM)	1200	1575	1350	1600	1600	1700	1800
SYSTEM POWER (KW)	4.61	4.87	4.74	4.92	4.92	4.95	5.08
EER/SEER (BTU/WATT-HR.)	9.55/10.25	9.55/10.25	9.70/10.25	9.65/10.25	9.65/10.25	9.70/10.50	9.75/10.75
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	43500	44500	44000	45000	45000	45500	46000
SYSTEM POWER (KW)	4.14	4.10	4.05	4.04	4.04	4.02	4.06
COP	3.08	3.18	3.18	3.26	3.26	3.32	3.32
HSPF (BTU/WATT-HR.)	7.40	7.40	7.40	7.50	7.50	7.60	7.60

	TXC042C4	TXC043C4	TXC048C4	TXC049C4	TXC050C4	TXC054S3	TXC060C5
EXPANSION TYPE	CHG TO 83	CHG TO 83	FACT INS 83	FACT INS 83	FACT INS 83	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	44000	46500	46000	47500	47500	48000	48000
BTUH (SENSIBLE)	29400	33700	31900	34600	34600	35600	35300
INDOOR AIRFLOW (CFM)	1200	1575	1350	1600	1600	1700	1700
SYSTEM POWER (KW)	4.61	4.87	4.74	4.92	4.92	4.97	4.95
EER/SEER (BTU/WATT-HR.)	9.55/10.25	9.55/10.25	9.70/10.25	9.65/10.25	9.65/10.25	9.65/11.00	9.70/10.50
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	43500	44500	44000	45000	45000	45500	45500
SYSTEM POWER (KW)	4.14	4.10	4.05	4.04	4.04	4.02	4.02
COP	3.08	3.18	3.18	3.26	3.26	3.32	3.32
HSPF (BTU/WATT-HR.)	7.40	7.40	7.40	7.50	7.50	7.60	7.60

*See pages 24 and 25 for combinations with Auxiliary Devices.



General Data

2TWA0048A3/4000A

OUTDOOR UNIT WITH HEAT PUMP COILS

	TXC061C5	TXC065S3	TXH041A4	TXH054A4	TXH063P3-A	TXH063P3-B
EXPANSION TYPE	TXV-B	TXV-NB	CHG TO 83	FACT INS 83	TXV-NB	TXV-NB
RATINGS (COOLING) ①						
BTUH (TOTAL)	49500	50000	47500	50500	51000	51500
BTUH (SENSIBLE)	37700	38000	34900	38500	39500	40100
INDOOR AIRFLOW (CFM)	1800	1800	1575	1700	1800	1800
SYSTEM POWER (KW)	5.08	5.10	4.90	5.10	5.10	5.12
EER/SEER (BTU/WATT-HR.)	9.75/10.75	9.80/11.00	9.70/10.50	9.90/10.50	10.00/11.25	10.05/11.25
RATINGS (HEATING) ①						
(HIGH TEMP.) BTUH	46000	46000	44500	45500	46000	46000
SYSTEM POWER (KW)	4.06	3.99	4.10	3.99	3.92	3.92
COP	3.32	3.38	3.18	3.34	3.44	3.44
HSPF (BTU/WATT-HR.)	7.60	7.65	7.40	7.65	7.75	7.75

OUTDOOR UNIT WITH AIR HANDLERS

	TWE042C14	TWE042P13	TWE048C14	TWE048P13	TWE049E13	TWE060A	TWE060C/D15
EXPANSION TYPE	CHG TO 83	TXV-NB	FACT INS 83	TXV-NB	TXV-NB	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	46500	47500	47500	50500	50500	48000	48500
BTUH (SENSIBLE)	34200	34800	35100	37400	36800	36000	36800
INDOOR AIRFLOW (CFM)	1575	1575	1600	1600	1500	1800	1800
SYSTEM POWER (KW)	4.95	4.95	4.92	5.05	4.76	4.82	5.22
EER/SEER (BTU/WATT-HR.)	9.40/10.25	9.60/10.50	9.65/10.50	10.00/11.00	10.60/11.50	9.95/11.00	9.30/10.25
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	44500	44500	45500	45500	45000	45000	46500
SYSTEM POWER (KW)	4.26	4.10	4.11	3.90	3.77	4.00	4.28
COP	3.06	3.18	3.24	3.42	3.50	3.30	3.18
HSPF (BTU/WATT-HR.)	7.25	7.40	7.40	7.70	8.00	7.60	7.50

	TWE060P13	TWE063P13	TWE065E13	TWG042A14	TWG048A14	TWG060A15
EXPANSION TYPE	TXV-NB	TXV-NB	TXV-NB	CHG TO 83	FACT INS 83	TXV-B
RATINGS (COOLING) ①						
BTUH (TOTAL)	51000	50000	51500	44000	47500	49000
BTUH (SENSIBLE)	39700	36900	38800	31300	35000	37100
INDOOR AIRFLOW (CFM)	1800	1600	1640	1500	1600	1800
SYSTEM POWER (KW)	5.13	5.15	4.93	4.73	4.95	5.16
EER/SEER (BTU/WATT-HR.)	9.95/11.00	9.70/11.00	10.45/11.50	9.30/10.00	9.60/10.50	9.50/10.50
RATINGS (HEATING) ①						
(HIGH TEMP.) BTUH	46000	46500	45500	43500	44500	46000
SYSTEM POWER (KW)	3.94	4.05	3.74	4.28	4.15	4.19
COP	3.42	3.36	3.56	2.98	3.14	3.22
HSPF (BTU/WATT-HR.)	7.70	7.60	8.00	7.25	7.40	7.50

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD100R9V5 +TXC054S3	TDD100R9V5 +TXH063P3	TDD120R9V5 +TXH063P3	TUD100R9V5 +TXC054S3	TUD100R9V5 +TXH063P3	TUD120R9V5 +TXH063P3	TUD140R9V5 +TXC065S3
EXPANSION TYPE	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	48000	51000	51000	48000	50500	51000	49500
BTUH (SENSIBLE)	35100	37800	38100	35400	37400	38100	36200
INDOOR AIRFLOW (CFM)	1620	1600	1625	1670	1600	1625	1600
SYSTEM POWER (KW)	4.85	4.93	4.86	4.95	4.98	4.88	4.81
EER/SEER (BTU/WATT-HR.)	9.90/11.00	10.35/11.50	10.50/11.50	9.70/11.00	10.15/11.25	10.45/11.50	10.30/11.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	45000	45500	45000	45500	45500	45000	45000
SYSTEM POWER (KW)	3.97	3.85	3.75	4.06	3.90	3.77	3.86
COP	3.32	3.46	3.52	3.28	3.42	3.50	3.42
HSPF (BTU/WATT-HR.)	7.65	7.85	8.00	7.60	7.70	7.80	7.80

*See pages 24 and 25 for combinations with Auxiliary Devices.



General Data

2TWA0048A3/4000A

OUTDOOR UNIT WITH FURNACES AND COILS

TUD140R9V5 +TXH063P3	
EXPANSION TYPE	TXV-NB
RATINGS (COOLING) ①	
BTUH (TOTAL)	51000
BTUH (SENSIBLE)	37900
INDOOR AIRFLOW (CFM)	1600
SYSTEM POWER (KW)	4.86
EER/SEER (BTU/WATT-HR.)	10.50/11.50
RATINGS (HEATING) ①	
(HIGH TEMP) BTUH	45000
SYSTEM POWER (KW)	3.77
COP	3.50
HSPF (BTU/WATT-HR.)	7.80

*See pages 24 and 25 for combinations with Auxiliary Devices.



General Data

2TWA0060A3/4000A

OUTDOOR UNIT ①②	2TWA0060A3000A	2TWA0060A4000A
SOUND RATING (DECIBELS) ②	84	84
POWER CONNS. — V/PH/Hz ③	200/230/3/60	460/3/60
MIN. BRCH. CIR. AMPACITY	25	12
BR. CIR. } MAX. (AMPS)	40	20
PROT. RTG. } MIN. (AMPS)	40	20
COMPRESSOR	CLIMATUFF®	CLIMATUFF®
NO. USED - NO. SPEEDS	1 - 1	1 - 1
VOLTS/PH/Hz	200/230/3/60	460/3/60
R.L. AMPS ⑦ - L.R. AMPS	18.6 - 139	9.0 - 71
FACTORY INSTALLED		
START COMPONENTS ⑧	NO	NO
INSULATION/SOUND BLANKET	NO	NO
COMPRESSOR HEAT	YES	YES
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER
DIA. (IN.) - NO. USED	27.6 - 1	27.6 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	4400	4400
NO. MOTORS - HP	1 - 1/6	1 - 1/6
MOTOR SPEED R.P.M.	825	825
VOLTS/PH/Hz	200/230/3/60	460/3/60
FL. AMPS	1.4	0.7
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™
ROWS - F.P.I.	1 - 24	1 - 24
FACE AREA (SQ. FT.)	21.99	21.99
TUBE SIZE (IN.)	3/8	3/8
REFRIGERANT CONTROL	EXPANSION VALVE	EXPANSION VALVE
REFRIGERANT	R-22	R-22
(O.D. UNIT) NP CHR.G. ⑤	9/08-LB/OZ	9/08-LB/OZ
FACTORY SUPPLIED	YES	YES
LINE SIZE - IN. O.D. GAS ⑥	1-1/8	1-1/8
LINE SIZE - IN. O.D. LIQ. ⑥	3/8	3/8
FCCV		
RESTRICTOR ORIFICE SIZE	0.095	0.095
DIMENSIONS	H X W X D	H X W X D
OUTDOOR UNIT CRATED (IN.)	38.4 X 35.1 X 38.7	38.4 X 35.1 X 38.7
UNCRATED	SEE OUTLINE DWG.	SEE OUTLINE DWG.
WEIGHT		
SHIPPING (LBS.)	289	289
NET (LBS.)	256	256

- ① CERTIFIED IN ACCORDANCE WITH THE AIR-SOURCE UNITARY HEAT PUMP EQUIPMENT CERTIFICATION PROGRAM WHICH IS BASED ON A.R.I. STANDARD 210/240.
- ② RATED IN ACCORDANCE WITH A.R.I. STANDARD 270.
- ③ CALCULATED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. ONLY USE HACR CIRCUIT BREAKERS OR FUSES.
- ④ STANDARD AIR - DRY COIL - OUTDOOR
- ⑤ THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNIT NAMEPLATE AND SERVICE INSTRUCTION.
- ⑥ MAX. LINEAR LENGTH: 80 FT WITH RECIPROCATING COMPRESSOR - 60 FT WITH SCROLL. MAX. LIFT - SUCTION 60 FT; MAX LIFT - LIQUID 60 FT. FOR GREATER LENGTH REFER TO REFRIGERANT PIPING SOFTWARE PUB. NO. 32-3312-01.
- ⑦ THE VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAXIMUM FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑧ NO MEANS NO START COMPONENTS
YES MEANS QUICK START KIT COMPONENTS
PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



SPLIT SYSTEM



OUTDOOR UNIT WITH HEAT PUMP COILS

	TXA048C4	TXA049C4	TXA050C4	TXC048C4	TXC049C4	TXC050C4	TXC054S3
EXPANSION TYPE	CHG TO 95	CHG TO 95	CHG TO 95	CHG TO 95	CHG TO 95	CHG TO 95	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	54000	56500	56500	54000	56500	56500	57500
BTUH (SENSIBLE)	35400	39100	39100	35400	39100	39100	39600
INDOOR AIRFLOW (CFM)	1350	1675	1675	1350	1675	1675	1700
SYSTEM POWER (KW)	5.68	5.92	5.92	5.68	5.92	5.92	5.96
EER/SEER (BTU/WATT-HR.)	9.50/10.00	9.55/10.25	9.55/10.25	9.50/10.00	9.55/10.25	9.55/10.25	9.65/10.75
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	53000	54500	54500	53000	54500	54500	55000
SYSTEM POWER (KW)	5.25	5.22	5.22	5.25	5.22	5.22	5.17
COP	2.96	3.06	3.06	2.96	3.06	3.06	3.12
HSPF (BTU/WATT-HR.)	7.50	7.60	7.60	7.50	7.60	7.60	7.65

	TXC065S3	TXH041A4	TXH054A4	TXH063P3-A	TXH063P3-B
EXPANSION TYPE	TXV-NB	CHG TO 95	CHG TO 95	TXV-NB	TXV-NB
RATINGS (COOLING) ①					
BTUH (TOTAL)	61500	56500	60500	63000	63500
BTUH (SENSIBLE)	44600	38700	42600	46600	47300
INDOOR AIRFLOW (CFM)	2000	1575	1700	2000	2000
SYSTEM POWER (KW)	6.24	5.85	6.08	6.33	6.32
EER/SEER (BTU/WATT-HR.)	9.85/11.00	9.65/10.25	9.95/10.75	9.95/11.25	10.05/11.25
RATINGS (HEATING) ①					
(HIGH TEMP) BTUH	56000	53500	55000	56500	56500
SYSTEM POWER (KW)	5.10	5.30	5.13	5.05	5.05
COP	3.22	2.96	3.14	3.28	3.28
HSPF (BTU/WATT-HR.)	7.85	7.55	7.75	7.90	7.90

*See page 25 for combinations with Auxiliary Devices.



General Data

2TWA0060A3/4000A

OUTDOOR UNIT WITH AIR HANDLERS

	TWE042C14	TWE042P13	TWE048C14	TWE048P13	TWE049E13	TWE060C/D15	TWE060P13
EXPANSION TYPE	CHG TO 95	TXV-NB	CHG TO 95	TXV-NB	TXV-NB	TXV-B	TXV-NB
RATINGS (COOLING) ①							
BTUH (TOTAL)	55500	57000	58000	62000	62000	59000	62000
BTUH (SENSIBLE)	38100	38900	41500	44400	44300	42300	44400
INDOOR AIRFLOW (CFM)	1575	1575	1800	1800	1800	1945	1800
SYSTEM POWER (KW)	5.94	5.97	6.14	6.23	6.26	6.31	6.23
EER/SEER (BTU/WATT-HR.)	9.35/10.00	9.55/10.50	9.45/10.25	9.95/11.00	9.90/11.25	9.35/10.25	9.95/11.00
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	53500	53500	55000	55500	56000	57000	55500
SYSTEM POWER (KW)	5.52	5.26	5.37	5.05	5.10	5.39	5.05
COP	2.84	2.98	3.00	3.22	3.22	3.10	3.22
HSPF (BTU/WATT-HR.)	7.30	7.50	7.50	7.80	8.00	7.55	7.80

	TWE063P13	TWE065E13	TWG048A14	TWG060A15
EXPANSION TYPE	TXV-NB	TXV-NB	CHG TO 95	TXV-B
RATINGS (COOLING) ①				
BTUH (TOTAL)	62000	62500	57000	60500
BTUH (SENSIBLE)	44200	44900	39300	43800
INDOOR AIRFLOW (CFM)	1800	1800	1625	2000
SYSTEM POWER (KW)	6.39	6.13	5.97	6.37
EER/SEER (BTU/WATT-HR.)	9.70/10.75	10.20/11.50	9.55/10.25	9.50/10.50
RATINGS (HEATING) ①				
(HIGH TEMP) BTUH	56500	55500	53500	56000
SYSTEM POWER (KW)	5.17	4.90	5.33	5.33
COP	3.20	3.32	2.94	3.08
HSPF (BTU/WATT-HR.)	7.75	8.15	7.50	7.65

*See page 25 for combinations with Auxiliary Devices.



General Data

2TWA0072A3/4000A

OUTDOOR UNIT ①②	2TWA0072A3000AA	2TWA0072A4000AA
SOUND RATING (DECIBELS) ②	81	81
POWER CONNS. — V/PH/Hz ③	200/230/3/60	460/3/60
MIN. BRCH. CIR. AMPACITY	26	14
BR. CIR. } MAX. (AMPS)	40	20
PROT. RTG. } MIN. (AMPS)	40	20
COMPRESSOR	CLIMATUFF® - SCROLL	CLIMATUFF® - SCROLL
NO. USED - NO. SPEEDS	1 - 1	1 - 1
VOLTS/PH/Hz	200/230/3/60	460/3/60
R.L. AMPS ⑦ - L.R. AMPS	19.1 - 156	10.1 - 75
FACTORY INSTALLED		
START COMPONENTS ⑧	NO	NO
INSULATION/SOUND BLANKET	NO	NO
COMPRESSOR HEAT	YES	YES
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER
DIA. (IN.) - NO. USED	27.6 - 1	27.6 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	4400	4400
NO. MOTORS - HP	1 - 1/4	1 - 1/4
MOTOR SPEED R.P.M.	825	825
VOLTS/PH/Hz	200/230/3/60	460/3/60
FL. AMPS	1.9	1
OUTDOOR COIL — TYPE	SPINE FIN™	SPINE FIN™
ROWS - F.P.I.	2 - 24	2 - 24
FACE AREA (SQ. FT.)	27.86	27.86
TUBE SIZE (IN.)	3/8	3/8
REFRIGERANT CONTROL	EXPANSION VALVE	EXPANSION VALVE
REFRIGERANT	R-22	R-22
(O.D. UNIT) NP CHR.G. ⑤	14/01-LB/OZ	14/01-LB/OZ
FACTORY SUPPLIED	YES	YES
LINE SIZE - IN. O.D. GAS ⑥	1-1/8	1-1/8
LINE SIZE - IN. O.D. LIQ. ⑥	3/8	3/8
FCCV		
RESTRICTOR ORIFICE SIZE	N/A	N/A
DIMENSIONS	H X W X D	H X W X D
OUTDOOR UNIT CRATED (IN.)	46.4 X 35.1 X 38.7	46.4 X 35.1 X 38.7
UNCRATED	SEE OUTLINE DWG.	SEE OUTLINE DWG.
WEIGHT		
SHIPPING (LBS.)	327	327
NET (LBS.)	292	292

- ① CERTIFIED IN ACCORDANCE WITH THE AIR-SOURCE UNITARY HEAT PUMP EQUIPMENT CERTIFICATION PROGRAM WHICH IS BASED ON A.R.I. STANDARD 210/240.
- ② RATED IN ACCORDANCE WITH A.R.I. STANDARD 270.
- ③ CALCULATED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. ONLY USE HACR CIRCUIT BREAKERS OR FUSES.
- ④ STANDARD AIR - DRY COIL - OUTDOOR
- ⑤ THIS VALUE APPROXIMATE. FOR MORE PRECISE VALUE SEE UNIT NAMEPLATE AND SERVICE INSTRUCTION.
- ⑥ MAX. LINEAR LENGTH: 80 FT WITH RECIPROCATING COMPRESSOR - 60 FT WITH SCROLL. MAX. LIFT - SUCTION 60 FT; MAX LIFT - LIQUID 60 FT. FOR GREATER LENGTH REFER TO REFRIGERANT PIPING SOFTWARE PUB. NO. 32-3312-01.
- ⑦ THE VALUE SHOWN FOR COMPRESSOR RLA ON THE UNIT NAMEPLATE AND ON THIS SPECIFICATION SHEET IS USED TO COMPUTE MINIMUM BRANCH CIRCUIT AMPACITY AND MAXIMUM FUSE SIZE. THE VALUE SHOWN IS THE BRANCH CIRCUIT SELECTION CURRENT.
- ⑧ NO MEANS NO START COMPONENTS
YES MEANS QUICK START KIT COMPONENTS
PTC MEANS POSITIVE TEMPERATURE COEFFICIENT STARTER.



SPLIT SYSTEM



OUTDOOR UNIT WITH HEAT PUMP COILS

	TXA060C5	TXA061C5	TXC060C5	TXC061C5	TXH063P3-A	TXH063P3-B
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B	TXV-NB	TXV-NB
RATINGS (COOLING) ①						
BTUH (TOTAL)	63500	65000	63500	65000	69000	70000
BTUH (SENSIBLE)	42100	44300	42100	44300	51200	51200
INDOOR AIRFLOW (CFM)	1700	1800	1700	1800	2225	2100
SYSTEM POWER (KW)	6.41	6.47	6.41	6.47	6.70	6.76
EER/SEER (BTU/WATT-HR.)	9.90/11.00	10.05/11.30	9.90/11.00	10.05/11.30	10.30/11.85	10.35/12.00
RATINGS (HEATING) ①						
(HIGH TEMP) BTUH	63000	63500	63000	63500	64000	64000
SYSTEM POWER (KW)	6.24	6.20	6.24	6.20	5.72	5.75
COP	2.96	3.00	2.96	3.00	3.28	3.26
HSPF (BTU/WATT-HR.)	7.50	7.50	7.50	7.50	8.05	8.00

OUTDOOR UNIT WITH AIR HANDLERS

	TWE060A	TWE060C/D15	TWE063P13	TWE065E13	TWE090A	TWG060A15
EXPANSION TYPE	TXV-B	TXV-B	TXV-NB	TXV-NB	TXV-NB	TXV-B
RATINGS (COOLING) ①						
BTUH (TOTAL)	65000	65000	69000	69000	70000	66000
BTUH (SENSIBLE)	46700	45200	51100	51400	51300	46600
INDOOR AIRFLOW (CFM)	2250	1945	2200	2225	2400	2050
SYSTEM POWER (KW)	6.50	6.77	7.01	6.97	6.64	6.77
EER/SEER (BTU/WATT-HR.)	10.00/11.15	9.60/10.95	9.85/11.30	9.90/11.35	10.55/11.10	9.75/11.15
RATINGS (HEATING) ①						
(HIGH TEMP) BTUH	63500	64500	65000	64500	64500	64000
SYSTEM POWER (KW)	6.20	6.43	5.91	5.83	5.56	6.29
COP	3.00	2.94	3.22	3.24	3.40	2.98
HSPF (BTU/WATT-HR.)	7.55	7.55	7.90	8.10	8.15	7.65

*See page 25 for combinations with Auxiliary Devices.



Ratings with Auxiliary Devices

COMBINATIONS WITH FAN DELAY RELAY KIT AND/OR TXV KIT AND/OR INSULATION KIT

*When models are matched with an indoor air handler or coil that has a flow control check valve or expansion valve flow control, the addition of an indoor fan delay relay kit and/or TXV kit may increase the system SEER. The addition of a BAYINS001 kit on the outdoor unit may increase the system HSPF. See charts below for ratings.

OUTDOOR MODEL	INS KIT	INDOOR MODEL	FAN DELAY KIT	TXV KIT	CFM	SEER	COOLING CAPACITY	HI-TEMP HEATING	HSPF	HI-TEMP COP
2TWA0030A3/4	N	TDD060R9V3+TXH025A4	FI	NB	1000	11.50	30800	27800	7.35	2.82
2TWA0030A3/4	N	TDD060R9V3+TXH033A4	FI	NB	1000	11.50	31800	28600	7.70	3.06
2TWA0030A3/4	N	TDD060R9V3+TXH041A4	FI	NB	1000	11.50	33200	28800	7.90	3.16
2TWA0030A3/4	N	TDD080R9V3+TXH025A4	FI	NB	950	11.25	30600	27600	7.30	2.80
2TWA0030A3/4	N	TDD080R9V3+TXH033A4	FI	NB	950	11.50	31600	28400	7.65	3.04
2TWA0030A3/4	N	TDD080R9V3+TXH041A4	FI	NB	950	11.50	33000	28600	7.90	3.14
2TWA0030A3/4	N	TUD060R9V3+TXH025A4	FI	NB	1000	11.00	30600	28000	7.30	2.80
2TWA0030A3/4	N	TUD060R9V3+TXH033A4	FI	NB	1000	11.50	31800	28600	7.65	3.04
2TWA0030A3/4	N	TUD060R9V3+TXH041A4	FI	NB	1000	11.50	33200	29000	7.85	3.14
2TWA0030A3/4	N	TUD080R9V3+TXH025A4	FI	NB	1000	11.25	30800	27800	7.30	2.82
2TWA0030A3/4	N	TUD080R9V3+TXH033A4	FI	NB	1000	11.50	31800	28600	7.70	3.04
2TWA0030A3/4	N	TUD080R9V3+TXH041A4	FI	NB	1000	11.50	33200	28800	7.90	3.16
2TWA0030A3/4	N	TVF024A14	FI	NB	775	11.00	30200	28400	7.30	2.84
2TWA0030A3/4	N	TVF025A14	FI	NB	900	10.75	31000	28800	7.40	2.90
2TWA0030A3/4	N	TVF030A14	FI	NB	1000	11.00	32000	29200	7.65	3.04
2TWA0030A3/4	N	TVF036A14	FI	NB	1125	11.00	32600	29800	7.65	3.08
2TWA0030A3/4	N	TWE024C14	FI	NB	900	10.50	29000	27800	7.05	2.70
2TWA0030A3/4	N	TWE030C14	FI	NB	1000	10.50	30400	29400	7.50	2.94
2TWA0030A3/4	N	TWE036C14	FI	NB	1125	11.00	32000	29400	7.50	2.96
2TWA0030A3/4	N	TWE060B	Y	NO	2000	10.75	61000	57000	7.50	2.86
2TWA0030A3/4	N	TWG025A14	FI	NB	900	11.00	30200	28000	7.25	2.80
2TWA0030A3/4	N	TWG030A14	FI	B	1000	10.75	30800	28600	7.40	2.82
2TWA0030A3/4	N	TWG036A14	FI	NB	1125	11.00	31800	29200	7.50	2.94
2TWA0030A3/4	N	TXA025C4	N	NB	900	10.75	30200	28600	7.40	2.86
2TWA0030A3/4	N	TXA030C4	N	NB	1000	10.75	31000	28800	7.35	2.86
2TWA0030A3/4	N	TXA031C4	N	NB	1000	11.00	31200	29200	7.55	2.98
2TWA0030A3/4	N	TXA035C4	N	NB	1100	10.75	31400	29000	7.40	2.88
2TWA0030A3/4	N	TXA036C4	N	NB	1125	11.00	32200	29800	7.70	3.06
2TWA0030A3/4	N	TXA043C4	N	NB	1125	11.00	32600	29800	7.70	3.10
2TWA0030A3/4	N	TXC025C4	N	NB	900	10.75	30200	28600	7.40	2.86
2TWA0030A3/4	N	TXC025D4	N	NB	900	10.75	30200	28600	7.40	2.86
2TWA0030A3/4	N	TXC030C4	N	NB	1000	10.75	31000	28800	7.35	2.86
2TWA0030A3/4	N	TXC030D4	N	NB	1000	10.75	31000	28800	7.35	2.86
2TWA0030A3/4	N	TXC031C4	N	NB	1000	11.00	31200	29200	7.55	2.98
2TWA0030A3/4	N	TXC031D4	N	NB	1000	11.00	31200	29200	7.55	2.98
2TWA0030A3/4	N	TXC035C4	N	NB	1100	10.75	31400	29000	7.40	2.88
2TWA0030A3/4	N	TXC035D4	N	NB	1100	10.75	31400	29000	7.40	2.88
2TWA0030A3/4	N	TXC036C4	N	NB	1125	11.00	32200	29800	7.70	3.06
2TWA0030A3/4	N	TXC036D4	N	NB	1125	11.00	32200	29800	7.70	3.06
2TWA0030A3/4	N	TXH025A4	N	NB	900	10.50	29800	28200	7.15	2.72
2TWA0030A3/4	N	TXH033A4	N	NB	1000	11.00	31200	29200	7.55	2.96
2TWA0030A3/4	N	TXH041A4	N	NB	1125	11.00	33200	29800	7.75	3.10

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV



Ratings with Auxiliary Devices

COMBINATIONS WITH FAN DELAY RELAY KIT AND/OR TXV KIT AND/OR INSULATION KIT

*When models are matched with an indoor air handler or coil that has a flow control check valve or expansion valve flow control, the addition of an indoor fan delay relay kit and/or TXV kit may increase the system SEER. The addition of a BAYINS001 kit on the outdoor unit may increase the system HSPF. See charts below for ratings.

OUTDOOR MODEL	INS KIT	INDOOR MODEL	FAN DELAY KIT	TXV KIT	CFM	SEER	COOLING CAPACITY	HI-TEMP HEATING	HSPF	HI-TEMP COP
2TWA0036A3/4	N	TDD060R9V3 +TXH033A4	FI	NB	1200	11.00	35000	33000	7.00	2.98
2TWA0036A3/4	N	TDD060R9V3 +TXH041A4	FI	NB	1200	11.50	37000	33200	7.20	3.12
2TWA0036A3/4	N	TDD080R9V3 +TXH033A4	FI	NB	1125	11.00	34800	32800	7.00	2.96
2TWA0036A3/4	N	TDD080R9V3 +TXH041A4	FI	NB	1140	11.50	36800	33000	7.20	3.12
2TWA0036A3/4	N	TDD100R9V5 +TXH033A4	FI	NB	1130	11.00	34800	32600	7.00	2.98
2TWA0036A3/4	N	TDD100R9V5 +TXH041A4	FI	NB	1200	11.50	37400	33000	7.30	3.16
2TWA0036A3/4	N	TUD060R9V3 +TXH033A4	FI	NB	1250	10.60	35000	33400	7.00	2.96
2TWA0036A3/4	N	TUD060R9V3 +TXH041A4	FI	NB	1250	11.20	37000	33600	7.15	3.08
2TWA0036A3/4	N	TUD080R9V3 +TXH033A4	FI	NB	1200	10.85	35000	33000	7.00	2.98
2TWA0036A3/4	N	TUD080R9V3 +TXH041A4	FI	NB	1200	11.35	37000	33200	7.20	3.10
2TWA0036A3/4	N	TUD100R9V5 +TXH033A4	FI	NB	1200	11.20	35200	32800	7.10	3.02
2TWA0036A3/4	N	TUD100R9V5 +TXH041A4	FI	NB	1200	11.75	37200	33000	7.30	3.14
2TWA0036A3/4	N	TVF030A14	FI	NB	1125	10.50	35200	33400	7.00	2.96
2TWA0036A3/4	N	TVF036A14	FI	NB	1200	10.50	35800	33800	7.05	3.04
2TWA0036A3/4	Y	TWE030C14	FI	NO	945	10.25	33400	32200	6.80	2.78
2TWA0036A3/4	Y	TWE030C14	FI	NB	945	10.50	33200	32200	6.80	2.78
2TWA0036A3/4	N	TWE036C14	FI	NB	1200	10.50	34400	33800	6.80	2.98
2TWA0036A3/4	N	TWE042C14	FI	NB	1350	10.50	36400	34000	7.00	3.00
2TWA0036A3/4	Y	TWG030A14	FI	NO	1100	10.25	34200	32400	6.80	2.76
2TWA0036A3/4	Y	TWG030A14	FI	NB	1100	10.50	34000	32400	6.80	2.76
2TWA0036A3/4	N	TWG036A14	FI	NB	1150	10.25	34800	33200	6.70	2.82
2TWA0036A3/4	Y	TWG036A14	FI	NB	1150	10.25	34800	33200	6.80	2.82
2TWA0036A3/4	N	TWG037A14	FI	NB	1200	10.50	35000	33000	6.80	2.86
2TWA0036A3/4	N	TWG042A14	FI	NB	1320	10.50	35200	33400	7.00	2.96
2TWA0036A3/4	N	TXA031C4	N	NB	1100	10.50	34400	33200	6.90	2.92
2TWA0036A3/4	N	TXA036C4	N	NB	1200	10.50	35600	33600	7.05	3.02
2TWA0036A3/4	N	TXA037C4	N	NB	1200	10.50	35600	33600	7.05	3.02
2TWA0036A3/4	N	TXA042C4	N	NB	1200	10.75	36000	33800	7.10	3.06
2TWA0036A3/4	N	TXC031C4	N	NB	1100	10.50	34400	33200	6.90	2.92
2TWA0036A3/4	N	TXC031D4	N	NB	1100	10.50	34400	33200	6.90	2.92
2TWA0036A3/4	N	TXC036C4	N	NB	1200	10.50	35600	33600	7.05	3.02
2TWA0036A3/4	N	TXC036D4	N	NB	1200	10.50	35600	33600	7.05	3.02
2TWA0036A3/4	N	TXC037C4	N	NB	1200	10.50	35600	33600	7.05	3.02
2TWA0036A3/4	N	TXC042C4	N	NB	1200	10.75	36000	33800	7.10	3.06
2TWA0036A3/4	N	TXH033A4	N	NB	1125	10.50	34400	33200	6.90	2.92
2TWA0036A3/4	N	TXH041A4	N	NB	1350	10.75	37000	34200	7.10	3.08
2TWA0042A3/4	N	TDD080R9V3 +TXH041A4	FI	NB	1340	11.25	42500	39500	7.90	3.20
2TWA0042A3/4	N	TDD080R9V3 +TXH054A4	FI	NB	1340	11.50	44000	40500	8.15	3.36
2TWA0042A3/4	N	TDD100R9V5 +TXH041A4	FI	NB	1400	11.50	43000	39500	8.05	3.28
2TWA0042A3/4	N	TDD100R9V5 +TXH054A4	FI	NB	1400	11.50	45000	40000	8.30	3.44

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV



Ratings with Auxiliary Devices

COMBINATIONS WITH FAN DELAY RELAY KIT AND/OR TXV KIT AND/OR INSULATION KIT

*When models are matched with an indoor air handler or coil that has a flow control check valve or expansion valve flow control, the addition of an indoor fan delay relay kit and/or TXV kit may increase the system SEER. The addition of a BAYINS001 kit on the outdoor unit may increase the system HSPF. See charts below for ratings.

OUTDOOR MODEL	INS KIT	INDOOR MODEL	FAN DELAY KIT	TXV KIT	CFM	SEER	COOLING CAPACITY	HI-TEMP HEATING	HSPF	HI-TEMP COP
2TWA0042A3/4	N	TDD120R9V5 +TXH041A4	FI	NB	1400	11.50	43500	39500	8.10	3.32
2TWA0042A3/4	N	TDD120R9V5 +TXH054A4	FI	NB	1400	11.50	45000	40000	8.35	3.48
2TWA0042A3/4	N	TUD080R9V3 +TXH041A4	FI	NB	1400	11.00	42500	40000	7.85	3.18
2TWA0042A3/4	N	TUD080R9V3 +TXH054A4	FI	NB	1400	11.25	44500	40500	8.05	3.34
2TWA0042A3/4	N	TUD100R9V5 +TXH041A4	FI	NB	1465	11.50	43500	40000	8.05	3.30
2TWA0042A3/4	N	TUD100R9V5 +TXH054A4	FI	NB	1450	11.50	45000	40500	8.25	3.42
2TWA0042A3/4	N	TUD120R9V5 +TXH041A4	FI	NB	1400	11.50	43500	39500	8.10	3.32
2TWA0042A3/4	N	TUD120R9V5 +TXH054A4	FI	NB	1400	11.50	45000	40000	8.35	3.48
2TWA0042A3/4	N	TUD140R9V5 +TXH041A4	FI	NB	1375	11.50	43000	39500	8.05	3.30
2TWA0042A3/4	N	TUD140R9V5 +TXH054A4	FI	NB	1400	11.50	45000	40000	8.35	3.48
2TWA0042A3/4	N	TVF036A14	FI	NB	1350	10.50	41000	40500	7.75	3.14
2TWA0042A3/4	N	TWE036C14	FI	NB	1350	10.50	40500	39500	7.50	3.00
2TWA0042A3/4	N	TWE042C14	FI	NB	1400	10.50	42000	40500	7.75	3.18
2TWA0042A3/4	N	TWE048C14	FI	NB	1575	11.00	43500	41000	7.90	3.24
2TWA0042A3/4	N	TWE060A	Y	NO	1575	11.50	43000	40500	8.20	3.34
2TWA0042A3/4	N	TWG036A14	FI	NB	1150	10.25	39000	38500	7.20	2.86
2TWA0042A3/4	N	TWG037A14	FI	NB	1275	10.50	39500	38500	7.35	2.92
2TWA0042A3/4	N	TWG042A14	FI	NB	1400	10.50	40000	39000	7.60	3.06
2TWA0042A3/4	N	TWG048A14	FI	NB	1575	11.00	43000	40500	8.00	3.24
2TWA0042A3/4	N	TXA035C4	N	NB	1100	10.50	38000	37800	7.15	2.82
2TWA0042A3/4	N	TXA036C4	N	NB	1200	10.75	40000	39500	7.70	3.12
2TWA0042A3/4	N	TXA037C4	N	NB	1350	10.75	41000	40000	7.80	3.16
2TWA0042A3/4	N	TXA042C4	N	NB	1200	11.00	40500	39500	7.80	3.14
2TWA0042A3/4	N	TXA043C4	N	NB	1400	11.00	41500	40000	7.90	3.20
2TWA0042A3/4	N	TXA048C4	N	NB	1350	11.00	42000	40500	8.00	3.28
2TWA0042A3/4	N	TXA049C4	N	NB	1575	11.00	43000	41000	8.05	3.32
2TWA0042A3/4	N	TXC035C4	N	NB	1100	10.50	38000	37800	7.15	2.82
2TWA0042A3/4	N	TXC035D4	N	NB	1100	10.50	38000	37800	7.15	2.82
2TWA0042A3/4	N	TXC036C4	N	NB	1200	10.75	40000	39500	7.70	3.12
2TWA0042A3/4	N	TXC036D4	N	NB	1200	10.75	40000	39500	7.70	3.12
2TWA0042A3/4	N	TXC037C4	N	NB	1350	10.75	41000	40000	7.80	3.16
2TWA0042A3/4	N	TXC042C4	N	NB	1200	11.00	40500	39500	7.80	3.14
2TWA0042A3/4	N	TXC043C4	N	NB	1400	11.00	41500	40000	7.90	3.20
2TWA0042A3/4	N	TXC048C4	N	NB	1350	11.00	42000	40500	8.00	3.28
2TWA0042A3/4	N	TXC049C4	N	NB	1575	11.00	43000	41000	8.05	3.32
2TWA0042A3/4	N	TXH041A4	N	NB	1400	11.00	42500	40000	7.90	3.22
2TWA0042A3/4	N	TXH054A4	N	NB	1575	11.25	45000	41500	8.20	3.42
2TWA0048A3/4	N	TDD100R9V5 +TXH041A4	FI	NB	1600	11.25	48000	44000	7.50	3.20
2TWA0048A3/4	N	TDD100R9V5 +TXH054A4	FI	NB	1600	11.25	49500	45000	7.60	3.34
2TWA0048A3/4	N	TDD120R9V5 +TXH041A4	FI	NB	1600	11.25	48000	44000	7.65	3.24
2TWA0048A3/4	N	TDD120R9V5 +TXH054A4	FI	NB	1600	11.50	50000	45000	7.65	3.38

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV



Ratings with Auxiliary Devices

COMBINATIONS WITH FAN DELAY RELAY KIT AND/OR TXV KIT AND/OR INSULATION KIT

*When models are matched with an indoor air handler or coil that has a flow control check valve or expansion valve flow control, the addition of an indoor fan delay relay kit and/or TXV kit may increase the system SEER. The addition of a BAYINS001 kit on the outdoor unit may increase the system HSPF. See charts below for ratings.

OUTDOOR MODEL	INS KIT	INDOOR MODEL	FAN DELAY KIT	TXV KIT	CFM	SEER	COOLING CAPACITY	HI-TEMP HEATING	HSPF	HI-TEMP COP
2TWA0048A3/4	N	TUD100R9V5+TXH041A4	FI	NB	1670	11.00	48000	44500	7.50	3.20
2TWA0048A3/4	N	TUD100R9V5+TXH054A4	FI	NB	1650	11.25	50000	45500	7.60	3.32
2TWA0048A3/4	N	TUD120R9V5+TXH041A4	FI	NB	1625	11.25	48000	44000	7.50	3.22
2TWA0048A3/4	N	TUD120R9V5+TXH054A4	FI	NB	1625	11.50	50000	45000	7.65	3.36
2TWA0048A3/4	N	TUD140R9V5+TXH041A4	FI	NB	1600	11.25	48000	44000	7.65	3.22
2TWA0048A3/4	N	TUD140R9V5+TXH054A4	FI	NB	1600	11.50	50000	45000	7.65	3.36
2TWA0048A3/4	N	TWE042C14	FI	NB	1575	10.50	46500	44500	7.20	3.06
2TWA0048A3/4	N	TWE048C14	FI	NB	1600	10.75	47500	45500	7.40	3.24
2TWA0048A3/4	N	TWG042A14	FI	NB	1500	10.25	44000	43500	7.25	2.98
2TWA0048A3/4	N	TWG048A14	FI	NB	1600	10.75	47000	44500	7.35	3.14
2TWA0048A3/4	N	TXA042C4	N	NB	1200	10.75	44500	43500	7.40	3.08
2TWA0048A3/4	N	TXA043C4	N	NB	1575	10.75	46500	44500	7.40	3.18
2TWA0048A3/4	N	TXA048C4	N	NB	1350	11.00	46000	44000	7.40	3.18
2TWA0048A3/4	N	TXA049C4	N	NB	1600	10.75	47000	45000	7.50	3.26
2TWA0048A3/4	N	TXA050C4	N	NB	1600	10.75	47000	45000	7.50	3.26
2TWA0048A3/4	N	TXA060C5	Y	NO	1700	11.00	48000	45500	7.65	3.32
2TWA0048A3/4	N	TXA061C5	Y	NO	1800	11.00	49500	46000	7.65	3.32
2TWA0048A3/4	N	TXC042C4	N	NB	1200	10.75	44500	43500	7.40	3.08
2TWA0048A3/4	N	TXC043C4	N	NB	1575	10.75	46500	44500	7.40	3.18
2TWA0048A3/4	N	TXC048C4	N	NB	1350	11.00	46000	44000	7.40	3.18
2TWA0048A3/4	N	TXC049C4	N	NB	1600	10.75	47000	45000	7.50	3.26
2TWA0048A3/4	N	TXC050C4	N	NB	1600	10.75	47000	45000	7.50	3.26
2TWA0048A3/4	N	TXC060C5	Y	NO	1700	11.00	48000	45500	7.65	3.32
2TWA0048A3/4	N	TXC061C5	Y	NO	1800	11.00	49500	46000	7.65	3.32
2TWA0048A3/4	N	TXH041A4	N	NB	1575	11.00	47500	44500	7.40	3.18
2TWA0048A3/4	N	TXH054A4	N	NB	1700	11.25	50000	45500	7.65	3.34
2TWA0060A3/4	N	TWE042C14	FI	NB	1575	10.50	56000	53500	7.25	2.84
2TWA0060A3/4	N	TWE048C14	FI	NB	1800	10.50	58000	55000	7.50	3.00
2TWA0060A3/4	N	TWE060A	Y	NO	2000	11.00	59000	54500	7.75	3.14
2TWA0060A3/4	N	TWG048A14	FI	NB	1625	10.50	57000	53500	7.50	2.94
2TWA0060A3/4	N	TXA048C4	N	NB	1350	10.50	55000	53000	7.50	2.96
2TWA0060A3/4	N	TXA049C4	N	NB	1675	10.50	57000	54500	7.60	3.06
2TWA0060A3/4	N	TXA050C4	N	NB	1675	10.75	57000	54500	7.60	3.06
2TWA0060A3/4	N	TXA060C5	Y	NO	1700	11.00	58500	55000	7.75	3.12
2TWA0060A3/4	N	TXA061C5	Y	NO	1800	11.00	60000	55000	7.75	3.14
2TWA0060A3/4	N	TXC048C4	N	NB	1350	10.50	55000	53000	7.50	2.96
2TWA0060A3/4	N	TXC049C4	N	NB	1675	10.50	57000	54500	7.60	3.06
2TWA0060A3/4	N	TXC050C4	N	NB	1675	10.75	57000	54500	7.60	3.06
2TWA0060A3/4	N	TXC060C5	Y	NO	1700	11.00	58500	55000	7.75	3.12
2TWA0060A3/4	N	TXC061C5	Y	NO	1800	11.00	60000	55000	7.75	3.14
2TWA0060A3/4	N	TXH041A4	N	NB	1575	10.75	57000	53500	7.55	2.96
2TWA0060A3/4	N	TXH054A4	N	NB	1700	11.00	60500	55000	7.75	3.14
2TWA0072A3/4	N	TWE060A	Y	NO	2250	11.45	65000	63500	7.70	3.00
2TWA0072A3/4	N	TXA060C5	Y	NO	1700	11.50	63500	63000	7.60	2.96
2TWA0072A3/4	N	TXA061C5	Y	NO	1800	11.55	65000	65000	7.70	3.00
2TWA0072A3/4	N	TXC060C5	Y	NO	1700	11.50	63500	63000	7.60	2.96
2TWA0072A3/4	N	TXC061C5	Y	NO	1800	11.55	65000	65000	7.70	3.00

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV



Performance Data Cooling

2TWA0030A3/4

2TWA0030A3/4 WITH TWE030C14 AT 1000 CFM

O.D. D.B.	I.D. W.B.	TOT. CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				TOTAL KW
			72	75	78	80	
85	59	26.4	21.9	24.5	26.7*	27.4*	2.83
	63	28.5	18.5	21.1	23.8	25.5	2.89
	67	30.8	14.7	17.3	20.0	21.7	2.95
	71	33.2	10.8	13.4	16.1	17.9	3.02
95	59	25.8	21.6	24.3	26.3*	27.0*	3.07
	63	28.0	18.2	20.9	23.5	25.3	3.13
	67	30.2	14.4	17.1	19.7	21.5	3.20
	71	32.5	10.5	13.2	15.8	17.6	3.26
105	59	24.0	20.8	23.4	24.9*	25.5*	3.29
	63	26.1	17.4	20.0	22.7	24.5	3.34
	67	28.1	13.6	16.3	18.9	20.7	3.40
	71	30.3	9.7	12.4	15.0	16.8	3.45
115	59	22.3	20.0	22.3	23.4*	24.0*	3.51
	63	24.1	16.6	19.3	21.9	23.7	3.55
	67	26.1	12.8	15.4	18.1	19.9	3.60
	71	28.1	8.9	11.6	14.2	16.0	3.64

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	0.98	0.94
HIGH	1.02	1.05

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT 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 F.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TDD060R9V3+TXC031S3	RATED	1000	1.11	0.99
	LOW	875	1.09	1.04
	HIGH	1125	1.13	1.16
TDD060R9V3+TXC036S3	RATED	1000	1.14	1.00
	LOW	875	1.11	1.07
	HIGH	1125	1.16	1.20
TDD060R9V3+TXH025A4+TAYTXV-3	RATED	1000	1.04	0.97
	LOW	875	1.02	0.97
	HIGH	1125	1.06	1.08
TDD060R9V3+TXH033A4+TAYTXV-3	RATED	1000	1.07	0.97
	LOW	875	1.05	1.02
	HIGH	1125	1.09	1.14
TDD060R9V3+TXH041A4+TAYTXV-3	RATED	1000	1.12	0.98
	LOW	875	1.10	1.05
	HIGH	1125	1.15	1.19
TDD080R9V3+TXC031S3	RATED	900	1.10	0.98
	LOW	775	1.06	1.00
	HIGH	1025	1.12	1.12
TDD080R9V3+TXC036S3	RATED	900	1.11	0.97
	LOW	775	1.08	1.00
	HIGH	1025	1.14	1.14
TDD080R9V3+TXH025A4+TAYTXV-3	RATED	1000	1.05	0.96
	LOW	875	1.02	0.98
	HIGH	1125	1.07	1.08
TDD080R9V3+TXH033A4+TAYTXV-3	RATED	1000	1.07	0.97
	LOW	875	1.05	1.03
	HIGH	1125	1.10	1.15
TDD080R9V3+TXH041A4+TAYTXV-3	RATED	1000	1.13	0.98
	LOW	875	1.10	1.06
	HIGH	1125	1.15	1.19
TUD060R9V3+TXC031S3	RATED	1000	1.11	1.00
	LOW	875	1.09	1.04
	HIGH	1125	1.13	1.16
TUD060R9V3+TXH025A4+TAYTXV-3	RATED	1000	1.04	0.98
	LOW	875	1.02	0.96
	HIGH	1125	1.06	1.07
TUD060R9V3+TXH033A4+TAYTXV-3	RATED	1000	1.07	0.99
	LOW	875	1.05	1.02
	HIGH	1125	1.09	1.14
TUD060R9V3+TXH041A4+TAYTXV-3	RATED	1000	1.12	0.99
	LOW	875	1.10	1.05
	HIGH	1125	1.15	1.19
TUD080R9V3+TXC031S3	RATED	1000	1.11	1.00
	LOW	875	1.09	1.04
	HIGH	1125	1.13	1.16
TUD080R9V3+TXC036S3	RATED	1000	1.14	1.00
	LOW	875	1.11	1.07
	HIGH	1125	1.16	1.20
TUD080R9V3+TXH025A4+TAYTXV-3	RATED	1000	1.04	0.97
	LOW	875	1.02	0.97
	HIGH	1125	1.06	1.08
TUD080R9V3+TXH033A4+TAYTXV-3	RATED	1000	1.07	0.98
	LOW	875	1.05	1.02
	HIGH	1125	1.09	1.14
TUD080R9V3+TXH041A4+TAYTXV-3	RATED	1000	1.12	0.99
	LOW	875	1.10	1.05
	HIGH	1125	1.15	1.19
TVF024A14	RATED	800	1.00	0.98
	LOW	700	0.97	0.99
	HIGH	900	1.02	1.01
TVF025A14	RATED	900	1.02	1.00
	LOW	775	0.99	1.01
	HIGH	1025	1.04	1.07
TVF030A14	RATED	1000	1.06	1.02
	LOW	875	1.04	1.03
	HIGH	1125	1.08	1.15
TVF036A14	RATED	1100	1.09	1.06
	LOW	950	1.07	1.07
	HIGH	1250	1.11	1.20
TWE024C14	RATED	900	0.96	0.97
	LOW	775	0.93	0.98
	HIGH	1025	0.97	0.96
TWE024P13	RATED	900	1.06	1.00
	LOW	775	1.02	0.96
	HIGH	1025	1.08	1.01
TWE030C14	RATED	1000	1.00	1.00
	LOW	875	0.98	0.94
	HIGH	1125	1.02	1.05
TWE030P13	RATED	900	1.06	1.00
	LOW	775	1.03	0.97
	HIGH	1025	1.08	1.09
TWE031E13	RATED	1000	1.09	0.99
	LOW	875	1.06	1.00
	HIGH	1125	1.11	1.14
TWE036C14	RATED	1100	1.06	1.03
	LOW	950	1.04	1.04
	HIGH	1250	1.08	1.16
TWE036P13	RATED	1100	1.09	1.04
	LOW	950	1.07	1.05
	HIGH	1250	1.10	1.17
TWE037E13	RATED	1000	1.11	0.97
	LOW	875	1.09	1.04
	HIGH	1125	1.13	1.16



Performance Data Cooling

2TWA0030A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWG025A14	RATED	900	0.98	0.98	0.97
	LOW	775	0.95	0.92	0.98
	HIGH	1025	1.00	1.03	0.96
TWG030A14	RATED	1000	1.01	1.03	1.00
	LOW	875	0.99	0.98	1.01
	HIGH	1125	1.03	1.08	0.99
TWG036A14	RATED	1100	1.05	1.09	1.03
	LOW	950	1.03	1.02	1.04
	HIGH	1250	1.07	1.15	1.02
TXA030C4	RATED	1000	1.02	1.01	1.01
	LOW	875	1.00	0.95	1.02
	HIGH	1125	1.04	1.06	1.00
TXA031C4	RATED	1000	1.04	1.04	1.02
	LOW	875	1.02	0.98	1.03
	HIGH	1125	1.06	1.09	1.01
TXC030C4	RATED	1000	1.02	1.01	1.01
	LOW	875	1.00	0.95	1.02
	HIGH	1125	1.04	1.06	1.00

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TXC030D4	RATED	1000	1.02	1.01	1.01
	LOW	875	1.00	0.95	1.02
	HIGH	1125	1.04	1.06	1.00
TXC031C4	RATED	1000	1.04	1.04	1.02
	LOW	875	1.02	0.98	1.03
	HIGH	1125	1.06	1.09	1.01
TXC031D4	RATED	1000	1.04	1.04	1.02
	LOW	875	1.02	0.98	1.03
	HIGH	1125	1.06	1.09	1.01
TXC031S3	RATED	1000	1.10	1.09	1.04
	LOW	875	1.07	1.02	1.05
	HIGH	1125	1.11	1.14	1.03
TXH033A4	RATED	1000	1.03	1.05	1.01
	LOW	875	1.01	0.98	1.02
	HIGH	1125	1.05	1.10	1.00



Performance Data Cooling

2TWA0036A3/4

2TWA0036A3/4 WITH TWE036C14 AT 1200 CFM

O.D. D.B.	I.D. W.B.	TOT. CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				TOTAL KW
			72	75	78	80	
85	59	30.7	26.1	29.4	31.4*	32.2*	3.26
	63	33.1	21.9	25.1	28.3	30.5	3.34
	67	35.5	17.2	20.4	23.6	25.8	3.43
	71	38.1	12.5	15.6	18.9	21.0	3.52
95	59	30.1	25.8	29.1	30.9*	31.7*	3.55
	63	32.4	21.6	24.9	28.0	30.2	3.63
	67	34.8	16.9	20.1	23.4	25.5	3.72
	71	37.3	12.2	15.4	18.6	20.7	3.81
105	59	27.9	24.8	27.6	29.0*	29.7*	3.82
	63	30.0	20.6	23.8	27.0	29.1	3.90
	67	32.2	15.9	19.1	22.3	24.5	3.99
	71	34.5	11.1	14.4	17.5	19.7	4.07
115	59	25.6	23.8	26.1	27.1*	27.7*	4.11
	63	27.6	19.6	22.8	26.0	27.7*	4.18
	67	29.6	14.9	18.1	21.3	23.4	4.26
	71	31.7	10.1	13.4	16.5	18.7	4.33

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1050	0.98
HIGH	1350	1.01

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT 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 F.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TDD060R9V3+TXC031E5	RATED	1200	1.06	1.01
	LOW	1050	1.04	0.99
	HIGH	1350	1.07	1.11
TDD060R9V3+TXC031S3	RATED	1200	1.06	1.01
	LOW	1050	1.04	0.99
	HIGH	1350	1.07	1.11
TDD060R9V3+TXC036S3	RATED	1200	1.09	1.02
	LOW	1050	1.07	1.02
	HIGH	1350	1.10	1.14
TDD060R9V3+TXH033A4+TAYTXV-3	RATED	1200	1.02	0.98
	LOW	1050	1.00	0.98
	HIGH	1350	1.03	1.09
TDD060R9V3+TXH041A4+TAYTXV-3	RATED	1200	1.08	1.00
	LOW	1050	1.06	1.01
	HIGH	1350	1.09	1.13
TDD080R9V3+TXC031S3	RATED	1100	1.06	0.99
	LOW	950	1.03	0.96
	HIGH	1250	1.08	1.08
TDD080R9V3+TXC036S3	RATED	1100	1.08	1.00
	LOW	950	1.06	0.99
	HIGH	1250	1.10	1.11
TDD080R9V3+TXH033A4+TAYTXV-3	RATED	1100	1.01	0.97
	LOW	950	0.99	0.94
	HIGH	1250	1.03	1.06
TDD080R9V3+TXH041A4+TAYTXV-3	RATED	1100	1.07	0.98
	LOW	950	1.05	0.97
	HIGH	1250	1.09	1.10
TDD100R9V5+TXC037S3	RATED	1200	1.10	0.99
	LOW	1050	1.08	1.03
	HIGH	1350	1.11	1.16
TDD100R9V5+TXH033A4+TAYTXV-3	RATED	1100	1.01	0.97
	LOW	950	0.99	0.94
	HIGH	1250	1.03	1.06

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TDD100R9V5+TXH041A4+TAYTXV-3	RATED	1200	1.09	0.98
	LOW	1050	1.07	1.02
	HIGH	1350	1.10	1.14
TUD060R9V3+TXC031S3	RATED	1200	1.06	1.02
	LOW	1050	1.04	0.99
	HIGH	1350	1.07	1.11
TUD060R9V3+TXC036S3	RATED	1200	1.08	1.03
	LOW	1050	1.06	1.01
	HIGH	1350	1.09	1.13
TUD060R9V3+TXH033A4+TAYTXV-3	RATED	1300	1.02	1.02
	LOW	1125	1.00	1.00
	HIGH	1475	1.03	1.12
TUD060R9V3+TXH041A4+TAYTXV-3	RATED	1300	1.08	1.03
	LOW	1125	1.06	1.04
	HIGH	1475	1.09	1.17
TUD080R9V3+TXC031S3	RATED	1200	1.06	1.02
	LOW	1050	1.04	0.99
	HIGH	1350	1.07	1.11
TUD080R9V3+TXC036S3	RATED	1200	1.08	1.03
	LOW	1050	1.06	1.01
	HIGH	1350	1.09	1.13
TUD080R9V3+TXH033A4+TAYTXV-3	RATED	1200	1.02	0.99
	LOW	1050	1.00	0.98
	HIGH	1350	1.03	1.09
TUD080R9V3+TXH041A4+TAYTXV-3	RATED	1200	1.08	1.01
	LOW	1050	1.06	1.01
	HIGH	1350	1.09	1.12
TUD100R9V5+TXC037S3	RATED	1200	1.10	1.00
	LOW	1050	1.07	1.03
	HIGH	1350	1.11	1.16
TUD100R9V5+TXH033A4+TAYTXV-3	RATED	1200	1.03	0.97
	LOW	1050	1.01	0.98
	HIGH	1350	1.04	1.10
TUD100R9V5+TXH041A4+TAYTXV-3	RATED	1200	1.08	0.98
	LOW	1050	1.06	1.01
	HIGH	1350	1.10	1.13
TVF030A14	RATED	1100	1.02	1.02
	LOW	950	1.00	0.95
	HIGH	1250	1.04	1.07
TVF036A14	RATED	1200	1.06	1.06
	LOW	1050	1.03	1.00
	HIGH	1350	1.07	1.13
TWE030P13	RATED	900	0.99	0.96
	LOW	775	0.96	0.86
	HIGH	1025	1.01	0.96
TWE031E13	RATED	1200	1.04	1.01
	LOW	1050	1.02	0.98
	HIGH	1350	1.05	1.09
TWE036C14	RATED	1200	1.00	1.00
	LOW	1050	0.98	0.95
	HIGH	1350	1.01	1.05
TWE036P13	RATED	1200	1.05	1.03
	LOW	1050	1.02	0.98
	HIGH	1350	1.06	1.08
TWE037E13	RATED	1200	1.07	0.99
	LOW	1050	1.05	1.00
	HIGH	1350	1.08	1.12
TWE042C14	RATED	1400	1.06	1.08
	LOW	1225	1.05	1.05
	HIGH	1575	1.07	1.17
TWE042P13	RATED	1400	1.08	1.07
	LOW	1225	1.07	1.06
	HIGH	1575	1.09	1.19



Performance Data Cooling

2TWA0036A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWG036A14	RATED	1200	1.01	1.01	1.04
	LOW	1050	0.99	0.96	1.05
	HIGH	1350	1.02	1.07	1.03
TWG037A14	RATED	1200	1.02	1.02	1.01
	LOW	1050	1.00	0.97	1.02
	HIGH	1350	1.03	1.07	1.00
TWG042A14	RATED	1400	1.02	1.06	1.04
	LOW	1225	1.01	1.01	1.05
	HIGH	1575	1.04	1.12	1.03
TXA036C4	RATED	1200	1.03	1.02	1.03
	LOW	1050	1.01	0.96	1.04
	HIGH	1350	1.04	1.07	1.02
TXA037C4	RATED	1200	1.03	1.02	1.03
	LOW	1050	1.01	0.96	1.04
	HIGH	1350	1.04	1.07	1.02
TXC036C4	RATED	1200	1.03	1.02	1.03
	LOW	1050	1.01	0.96	1.04
	HIGH	1350	1.04	1.07	1.02

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TXC036D4	RATED	1200	1.03	1.02	1.03
	LOW	1050	1.01	0.96	1.04
	HIGH	1350	1.04	1.07	1.02
TXC036S3	RATED	1200	1.08	1.07	1.05
	LOW	1050	1.06	1.01	1.06
	HIGH	1350	1.09	1.12	1.03
TXC037C4	RATED	1200	1.03	1.02	1.03
	LOW	1050	1.01	0.96	1.04
	HIGH	1350	1.04	1.07	1.02
TXC037S3	RATED	1200	1.08	1.07	1.05
	LOW	1050	1.06	1.01	1.06
	HIGH	1350	1.09	1.12	1.03
TXH033A4	RATED	1100	0.99	0.98	1.00
	LOW	950	0.97	0.92	1.01
	HIGH	1250	1.01	1.04	0.99



Performance Data Cooling

2TWA0042A3/4

2TWA0042A3/4 WITH TWE042C14 AT 1400 CFM

O.D. D.B.	I.D. W.B.	TOT. CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				TOTAL KW
			72	75	78	80	
85	59	36.4	31.2	35.0	37.3*	38.4*	3.68
	63	39.5	26.3	30.1	34.0	36.5	3.77
	67	42.8	20.9	24.8	28.6	31.1	3.87
	71	46.2	15.4	19.2	23.0	25.6	3.96
95	59	35.6	30.8	34.5	36.7*	37.8*	4.02
	63	38.7	26.0	29.8	33.6	36.2	4.11
	67	42.0	20.6	24.4	28.2	30.8	4.20
	71	45.4	15.1	18.9	22.7	25.2	4.30
105	59	33.1	29.6	33.0	34.7*	35.6*	4.30
	63	36.0	24.8	28.6	32.4	35.0	4.38
	67	39.1	19.4	23.3	27.0	29.6	4.47
	71	42.3	13.9	17.7	21.5	24.1	4.56
115	59	30.6	28.5	31.2	32.6*	33.5*	4.59
	63	33.3	23.6	27.4	31.3	33.5*	4.66
	67	36.2	18.2	22.1	25.9	28.4	4.74
	71	39.2	12.7	16.6	20.4	22.9	4.82

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1.225	0.98
HIGH	1.575	1.02

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT 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 F.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TDD080R9V3+TXC036S3	RATED	1300	1.04	0.98
	LOW	1125	1.01	0.95
	HIGH	1475	1.06	1.07
TDD080R9V3+TXH041A4+TAYTXV-3	RATED	1300	1.03	0.99
	LOW	1125	1.00	0.93
	HIGH	1475	1.05	1.05
TDD080R9V3+TXH054A4+TAYTXV-3	RATED	1300	1.06	0.98
	LOW	1125	1.03	0.96
	HIGH	1475	1.08	1.10
TDD080R9V3+TXH063P3	RATED	1300	1.09	0.99
	LOW	1125	1.05	0.98
	HIGH	1475	1.11	1.12
TDD100R9V5+TXC037S3	RATED	1400	1.05	0.98
	LOW	1225	1.03	0.99
	HIGH	1575	1.08	1.10
TDD100R9V5+TXC054S3	RATED	1400	1.04	0.97
	LOW	1225	1.02	0.97
	HIGH	1575	1.06	1.09
TDD100R9V5+TXH041A4+TAYTXV-3	RATED	1400	1.04	0.96
	LOW	1225	1.02	0.97
	HIGH	1575	1.06	1.08
TDD100R9V5+TXH054A4+TAYTXV-3	RATED	1400	1.09	0.99
	LOW	1225	1.07	1.03
	HIGH	1575	1.11	1.16
TDD100R9V5+TXH063P3	RATED	1400	1.10	1.00
	LOW	1225	1.08	1.03
	HIGH	1575	1.12	1.17
TDD120R9V5+TXH041A4+TAYTXV-3	RATED	1400	1.06	0.96
	LOW	1225	1.03	0.98
	HIGH	1575	1.08	1.10
TDD120R9V5+TXH054A4+TAYTXV-3	RATED	1400	1.09	0.97
	LOW	1225	1.07	1.03
	HIGH	1575	1.11	1.16

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TDD120R9V5+TXH063P3	RATED	1400	1.11	1.12
	LOW	1225	1.09	1.05
	HIGH	1575	1.14	1.18
TUD080R9V3+TXC036S3	RATED	1400	1.04	1.03
	LOW	1225	1.02	0.97
	HIGH	1575	1.06	1.08
TUD080R9V3+TXH041A4+TAYTXV-3	RATED	1400	1.03	0.99
	LOW	1225	1.01	0.96
	HIGH	1575	1.05	1.07
TUD080R9V3+TXH054A4+TAYTXV-3	RATED	1400	1.08	1.08
	LOW	1225	1.06	1.01
	HIGH	1575	1.10	1.14
TUD080R9V3+TXH063P3	RATED	1400	1.09	1.09
	LOW	1225	1.07	1.02
	HIGH	1575	1.11	1.15
TUD100R9V5+TXC037S3	RATED	1400	1.05	1.05
	LOW	1225	1.03	0.98
	HIGH	1575	1.08	1.10
TUD100R9V5+TXC054S3	RATED	1400	1.04	1.02
	LOW	1225	1.02	0.96
	HIGH	1575	1.06	1.09
TUD100R9V5+TXH041A4+TAYTXV-3	RATED	1500	1.06	1.07
	LOW	1300	1.04	1.01
	HIGH	1700	1.08	1.13
TUD100R9V5+TXH054A4+TAYTXV-3	RATED	1500	1.10	1.12
	LOW	1300	1.07	1.04
	HIGH	1700	1.12	1.19
TUD100R9V5+TXH063P3	RATED	1400	1.10	1.10
	LOW	1225	1.08	1.03
	HIGH	1575	1.12	1.17
TUD120R9V5+TXC065S3	RATED	1400	1.08	1.07
	LOW	1225	1.06	1.01
	HIGH	1575	1.10	1.13
TUD120R9V5+TXH041A4+TAYTXV-3	RATED	1400	1.06	1.05
	LOW	1225	1.03	0.98
	HIGH	1575	1.08	1.10
TUD120R9V5+TXH054A4+TAYTXV-3	RATED	1400	1.09	1.09
	LOW	1225	1.07	1.03
	HIGH	1575	1.11	1.16
TUD120R9V5+TXH063P3	RATED	1400	1.11	1.12
	LOW	1225	1.09	1.05
	HIGH	1575	1.14	1.18
TUD140R9V5+TXC065S3	RATED	1400	1.08	1.07
	LOW	1225	1.06	1.01
	HIGH	1575	1.11	1.14
TUD140R9V5+TXH041A4+TAYTXV-3	RATED	1400	1.05	1.04
	LOW	1225	1.03	0.98
	HIGH	1575	1.07	1.09
TUD140R9V5+TXH054A4+TAYTXV-3	RATED	1400	1.09	1.09
	LOW	1225	1.07	1.03
	HIGH	1575	1.11	1.16
TUD140R9V5+TXH063P3	RATED	1400	1.10	1.10
	LOW	1225	1.08	1.04
	HIGH	1575	1.12	1.17
TVF036A14	RATED	1400	1.00	1.01
	LOW	1225	0.98	0.95
	HIGH	1575	1.01	1.07
TWE036C14	RATED	1400	0.97	0.97
	LOW	1225	0.95	0.92
	HIGH	1575	0.98	1.02
TWE036P13	RATED	1400	1.00	0.98
	LOW	1225	0.98	0.94
	HIGH	1575	1.01	1.03



Performance Data Cooling

2TWA0042A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE037E13	RATED	1400	1.02	1.02	0.97
	LOW	1225	1.00	0.96	0.98
	HIGH	1575	1.04	1.07	0.96
TWE040E13	RATED	1400	1.09	1.09	0.99
	LOW	1225	1.06	1.03	1.00
	HIGH	1575	1.11	1.16	0.98
TWE042C14	RATED	1400	1.00	1.00	1.00
	LOW	1225	0.98	0.94	1.01
	HIGH	1575	1.02	1.05	0.99
TWE042P13	RATED	1400	1.04	1.03	1.01
	LOW	1225	1.02	0.97	1.02
	HIGH	1575	1.06	1.08	1.00
TWE048C14	RATED	1600	1.05	1.09	1.04
	LOW	1400	1.03	1.02	1.05
	HIGH	1800	1.06	1.14	1.03
TWE048P13	RATED	1600	1.12	1.16	1.04
	LOW	1400	1.09	1.09	1.05
	HIGH	1800	1.13	1.23	1.03
TWE049E13	RATED	1400	1.10	1.10	0.99
	LOW	1225	1.08	1.04	1.00
	HIGH	1575	1.12	1.17	0.98
TWE060A	RATED	1600	1.05	1.06	0.98
	LOW	1400	1.02	1.00	0.99
	HIGH	1800	1.06	1.11	0.97
TWE060C/D15	RATED	1600	1.05	1.08	1.06
	LOW	1400	1.03	1.01	1.08
	HIGH	1800	1.07	1.13	1.05
TWE060P13	RATED	1600	1.12	1.16	1.04
	LOW	1400	1.09	1.09	1.05
	HIGH	1800	1.13	1.23	1.03
TWG036A14	RATED	1200	0.93	0.91	0.98
	LOW	1050	0.91	0.86	0.99
	HIGH	1350	0.95	0.95	0.97
TWG037A14	RATED	1300	0.94	0.93	0.96
	LOW	1125	0.91	0.88	0.97
	HIGH	1475	0.96	0.98	0.95
TWG042A14	RATED	1400	0.96	0.95	0.98
	LOW	1225	0.94	0.90	0.98
	HIGH	1575	0.98	1.00	0.97
TWG048A14	RATED	1600	1.04	1.08	1.02
	LOW	1400	1.02	1.01	1.03
	HIGH	1800	1.05	1.13	1.01
TWG060A15	RATED	1600	1.07	1.09	1.05
	LOW	1400	1.05	1.03	1.06
	HIGH	1800	1.08	1.15	1.04
TXA042C4	RATED	1200	0.98	0.93	0.97
	LOW	1050	0.95	0.87	0.98
	HIGH	1350	1.00	0.97	0.96
TXA043C4	RATED	1400	1.00	0.99	1.00
	LOW	1225	0.98	0.93	1.01
	HIGH	1575	1.02	1.04	0.99

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TXA048C4	RATED	1400	1.02	1.01	1.01
	LOW	1225	1.00	0.95	1.02
	HIGH	1575	1.04	1.07	1.00
TXA049C4	RATED	1600	1.04	1.06	1.03
	LOW	1400	1.02	1.00	1.04
	HIGH	1800	1.05	1.13	1.02
TXC035C4	RATED	1100	0.92	0.85	0.94
	LOW	950	0.89	0.80	0.95
	HIGH	1250	0.94	0.89	0.93
TXC035D4	RATED	1100	0.92	0.85	0.94
	LOW	950	0.89	0.80	0.95
	HIGH	1250	0.94	0.89	0.93
TXC036C4	RATED	1200	0.96	0.92	0.97
	LOW	1050	0.93	0.86	0.98
	HIGH	1350	0.98	0.96	0.96
TXC036D4	RATED	1200	0.96	0.92	0.97
	LOW	1050	0.93	0.86	0.98
	HIGH	1350	0.98	0.96	0.96
TXC036S3	RATED	1300	1.03	1.00	0.99
	LOW	1125	1.00	0.94	1.00
	HIGH	1475	1.05	1.06	0.98
TXC037C4	RATED	1400	0.98	0.97	0.99
	LOW	1225	0.96	0.91	1.00
	HIGH	1575	1.00	1.02	0.98
TXC037S3	RATED	1400	1.05	1.04	1.01
	LOW	1225	1.03	0.98	1.02
	HIGH	1575	1.07	1.09	1.00
TXC042C4	RATED	1200	0.98	0.93	0.97
	LOW	1050	0.95	0.87	0.98
	HIGH	1350	1.00	0.97	0.96
TXC043C4	RATED	1400	1.00	0.99	1.00
	LOW	1225	0.98	0.93	1.01
	HIGH	1575	1.02	1.04	0.99
TXC048C4	RATED	1400	1.02	1.01	1.01
	LOW	1225	1.00	0.95	1.02
	HIGH	1575	1.04	1.07	1.00
TXC049C4	RATED	1600	1.04	1.06	1.03
	LOW	1400	1.02	1.00	1.04
	HIGH	1800	1.05	1.13	1.02
TXC054S3	RATED	1600	1.05	1.08	1.03
	LOW	1400	1.03	1.01	1.04
	HIGH	1800	1.06	1.14	1.02
TXH041A4	RATED	1400	1.02	1.02	1.01
	LOW	1225	1.00	0.96	1.02
	HIGH	1575	1.04	1.07	1.00



Performance Data Cooling

2TWA0048A3/4

2TWA0048A3/4 WITH TWE048C14 AT 1600 CFM

O.D. D.B.	I.D. W.B.	TOT. CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				TOTAL KW
			72	75	78	80	
85	59	41.6	35.8	40.2	42.7*	43.9*	4.29
	63	45.1	30.1	34.5	38.9	41.9	4.41
	67	48.7	23.8	28.2	32.6	35.6	4.53
	71	52.4	17.3	21.8	26.2	29.1	4.66
95	59	40.5	35.3	39.5	42.0*	43.0*	4.67
	63	43.9	29.6	34.0	38.4	41.4	4.79
	67	47.5	23.3	27.7	32.1	35.1	4.92
	71	51.2	16.8	21.3	25.7	28.6	5.05
105	59	37.3	33.8	37.4	39.3*	40.3*	5.01
	63	40.5	28.1	32.5	36.9	39.9	5.13
	67	43.8	21.8	26.2	30.6	33.6	5.26
	71	47.2	15.3	19.8	24.2	27.1	5.39
115	59	34.1	32.3	35.0	36.5*	37.5*	5.36
	63	37.0	26.6	31.1	35.5	37.5*	5.47
	67	40.0	20.3	24.8	29.1	32.1	5.60
	71	43.2	13.9	18.3	22.7	25.7	5.72

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1400	0.98
HIGH	1800	1.02

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT 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 F.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TDD100R9V5+TXC054S3	RATED	1600	1.03	1.01
	LOW	1400	1.01	0.95
	HIGH	1800	1.05	1.06
TDD100R9V5+TXH041A4+TAYTXV-3	RATED	1600	1.03	1.02
	LOW	1400	1.01	0.96
	HIGH	1800	1.04	1.07
TDD100R9V5+TXH054A4+TAYTXV-3	RATED	1600	1.06	1.06
	LOW	1400	1.04	1.00
	HIGH	1800	1.07	1.12
TDD100R9V5+TXH063P3	RATED	1600	1.09	1.09
	LOW	1400	1.07	1.02
	HIGH	1800	1.11	1.15
TDD120R9V5+TXH041A4+TAYTXV-3	RATED	1600	1.03	1.02
	LOW	1400	1.01	0.96
	HIGH	1800	1.04	1.07
TDD120R9V5+TXH054A4+TAYTXV-3	RATED	1600	1.07	1.07
	LOW	1400	1.05	1.01
	HIGH	1800	1.08	1.14
TDD120R9V5+TXH063P3	RATED	1600	1.09	1.09
	LOW	1400	1.07	1.02
	HIGH	1800	1.11	1.15
TUD100R9V5+TXC054S3	RATED	1700	1.03	1.03
	LOW	1475	1.01	0.97
	HIGH	1925	1.04	1.09
TUD100R9V5+TXH041A4+TAYTXV-3	RATED	1700	1.03	1.04
	LOW	1475	1.01	0.97
	HIGH	1925	1.04	1.09
TUD100R9V5+TXH054A4+TAYTXV-3	RATED	1700	1.08	1.09
	LOW	1475	1.05	1.03
	HIGH	1925	1.09	1.16
TUD100R9V5+TXH063P3	RATED	1600	1.08	1.08
	LOW	1400	1.06	1.01
	HIGH	1800	1.09	1.14

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TUD120R9V5+TXH041A4+TAYTXV-3	RATED	1600	1.03	1.01
	LOW	1400	1.01	0.95
	HIGH	1800	1.04	1.06
TUD120R9V5+TXH054A4+TAYTXV-3	RATED	1600	1.07	1.07
	LOW	1400	1.05	1.00
	HIGH	1800	1.08	1.13
TUD120R9V5+TXH063P3	RATED	1600	1.09	1.09
	LOW	1400	1.07	1.02
	HIGH	1800	1.11	1.15
TUD140R9V5+TXC065S3	RATED	1600	1.06	1.05
	LOW	1400	1.04	0.99
	HIGH	1800	1.08	1.11
TUD140R9V5+TXH041A4+TAYTXV-3	RATED	1600	1.03	1.02
	LOW	1400	1.01	0.96
	HIGH	1800	1.04	1.07
TUD140R9V5+TXH054A4+TAYTXV-3	RATED	1600	1.07	1.07
	LOW	1400	1.05	1.01
	HIGH	1800	1.08	1.14
TUD140R9V5+TXH063P3	RATED	1600	1.09	1.09
	LOW	1400	1.07	1.02
	HIGH	1800	1.11	1.16
TWE042C14	RATED	1600	0.98	0.98
	LOW	1400	0.96	0.93
	HIGH	1800	0.99	1.03
TWE042P13	RATED	1600	1.02	1.01
	LOW	1400	1.00	0.95
	HIGH	1800	1.03	1.06
TWE048C14	RATED	1600	1.00	1.00
	LOW	1400	0.98	0.94
	HIGH	1800	1.02	1.05
TWE048P13	RATED	1600	1.08	1.08
	LOW	1400	1.06	1.01
	HIGH	1800	1.09	1.14
TWE049E13	RATED	1500	1.08	1.06
	LOW	1300	1.05	0.99
	HIGH	1700	1.10	1.13
TWE060A	RATED	1800	1.03	1.04
	LOW	1575	1.01	0.97
	HIGH	2025	1.04	1.09
TWE060C/D15	RATED	1800	1.04	1.05
	LOW	1575	1.02	0.99
	HIGH	2025	1.05	1.11
TWE060P13	RATED	1800	1.09	1.13
	LOW	1575	1.07	1.06
	HIGH	2025	1.10	1.19
TWE063P13	RATED	1600	1.07	1.07
	LOW	1400	1.05	1.00
	HIGH	1800	1.08	1.13
TWE065E13	RATED	1600	1.10	1.10
	LOW	1400	1.08	1.03
	HIGH	1800	1.12	1.17
TWG042A14	RATED	1500	0.93	0.90
	LOW	1300	0.91	0.84
	HIGH	1700	0.95	0.94
TWG048A14	RATED	1600	1.00	1.00
	LOW	1400	0.98	0.94
	HIGH	1800	1.01	1.05
TWG060A15	RATED	1800	1.05	1.07
	LOW	1575	1.03	1.00
	HIGH	2025	1.06	1.12
TXA048C4	RATED	1400	0.98	0.93
	LOW	1225	0.95	0.88
	HIGH	1575	1.00	0.98



Performance Data

Cooling

2TWA0048A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TXA049C4	RATED	1600	1.00	0.99	1.00
	LOW	1400	0.98	0.93	1.01
	HIGH	1800	1.02	1.04	0.99
TXA050C4	RATED	1600	1.00	0.99	1.00
	LOW	1400	0.98	0.93	1.01
	HIGH	1800	1.02	1.04	0.99
TXC048C4	RATED	1400	0.98	0.93	0.97
	LOW	1225	0.95	0.88	0.98
	HIGH	1575	1.00	0.98	0.96

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TXC049C4	RATED	1600	1.00	0.99	1.00
	LOW	1400	0.98	0.93	1.01
	HIGH	1800	1.02	1.04	0.99
TXH054A4	RATED	1700	1.06	1.09	1.04
	LOW	1475	1.04	1.02	1.05
	HIGH	1925	1.07	1.16	1.03



Performance Data Cooling

2TWA0060A3/4

2TWA0060A3/4 WITH TWE060C/D15 AT 1900 CFM

O.D. D.B.	I.D. W.B.	TOT. CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				TOTAL KW
			72	75	78	80	
85	59	52.9	43.3	48.5	53.2*	54.6*	5.51
	63	57.1	36.5	41.7	46.9	50.4	5.65
	67	61.4	29.0	34.1	39.4	42.9	5.80
	71	66.0	21.3	26.4	31.7	35.2	5.96
95	59	50.7	42.2	47.5	51.4*	52.8*	5.99
	63	54.7	35.4	40.6	45.9	49.3	6.13
	67	58.8	27.9	33.1	38.3	41.8	6.28
	71	63.1	20.2	25.4	30.6	34.1	6.43
105	59	48.0	41.0	46.2	49.3*	50.5*	6.48
	63	51.7	34.2	39.4	44.6	48.1	6.61
	67	55.6	26.6	31.9	37.0	40.5	6.75
	71	59.6	18.9	24.1	29.3	32.8	6.89
115	59	45.3	39.8	44.5	47.0*	48.1*	6.98
	63	48.8	32.9	38.1	43.3	46.8	7.10
	67	52.4	25.3	30.5	35.8	39.2	7.22
	71	56.2	17.6	22.9	28.0	31.5	7.35

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1650	0.98
HIGH	2150	1.01

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT 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 F.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE042C14	RATED	1600	0.93	0.91
	LOW	1400	0.90	0.86
	HIGH	1800	0.95	0.95
TWE042P13	RATED	1600	0.97	0.94
	LOW	1400	0.95	0.89
	HIGH	1800	0.99	0.98
TWE048C14	RATED	1800	0.97	0.98
	LOW	1575	0.95	0.93
	HIGH	2025	0.99	1.03
TWE048P13	RATED	1800	1.05	1.06
	LOW	1575	1.03	1.00
	HIGH	2025	1.07	1.12
TWE049E13	RATED	1800	1.05	1.06
	LOW	1575	1.03	0.99
	HIGH	2025	1.07	1.12

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE060A+BAY24X045	RATED	2000	1.00	1.01
	LOW	1750	0.98	0.96
	HIGH	2250	1.01	1.06
TWE060C/D15	RATED	1900	1.00	1.00
	LOW	1650	0.98	0.94
	HIGH	2150	1.01	1.05
TWE060P13	RATED	1800	1.05	1.06
	LOW	1575	1.03	1.00
	HIGH	2025	1.07	1.12
TWE063P13	RATED	1800	1.05	1.06
	LOW	1575	1.03	0.99
	HIGH	2025	1.06	1.12
TWE065E13	RATED	1800	1.06	1.07
	LOW	1575	1.04	1.01
	HIGH	2025	1.08	1.13
TWG048A14	RATED	1600	0.96	0.93
	LOW	1400	0.93	0.88
	HIGH	1800	0.97	0.98
TWG060A15	RATED	2000	1.03	1.04
	LOW	1750	1.01	0.99
	HIGH	2250	1.04	1.10
TXA060C5+BAY24X045	RATED	1700	0.99	0.96
	LOW	1475	0.96	0.90
	HIGH	1925	1.01	1.01
TXA061C5+BAY24X045	RATED	1800	1.02	1.01
	LOW	1575	1.00	0.96
	HIGH	2025	1.04	1.06
TXC060C5+BAY24X045	RATED	1700	0.99	0.96
	LOW	1475	0.96	0.90
	HIGH	1925	1.01	1.01
TXC061C5+BAY24X045	RATED	1800	1.02	1.01
	LOW	1575	1.00	0.96
	HIGH	2025	1.04	1.06
TXC065S3	RATED	2000	1.05	1.06
	LOW	1750	1.02	1.00
	HIGH	2250	1.06	1.12
TXH063P3-A	RATED	2000	1.07	1.11
	LOW	1750	1.05	1.04
	HIGH	2250	1.09	1.17
TXH063P3-B	RATED	2000	1.08	1.12
	LOW	1750	1.06	1.05
	HIGH	2250	1.09	1.18



Performance Data Cooling

2TWA0072A3/4

2TWA0072A3/4 WITH TWE090A AT 2400 CFM

O.D. D.B.	I.D. W.B.	TOT. CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				TOTAL KW
			72	75	78	80	
85	59	63.0	53.0	59.5	64.2*	65.6*	5.73
	63	67.6	44.4	50.9	57.4	61.7	5.86
	67	72.3	34.9	41.4	47.9	52.2	5.99
	71	77.2	25.1	31.6	38.2	42.5	6.13
95	59	61.0	52.1	58.6	62.5*	63.9*	6.31
	63	65.4	43.5	50.0	56.5	60.8	6.47
	67	70.0	33.9	40.5	47.0	51.3	6.64
	71	74.7	24.2	30.8	37.2	41.6	6.81
105	59	58.2	50.9	57.0	60.2*	61.5*	7.05
	63	62.4	42.2	48.8	55.3	59.6	7.26
	67	66.8	32.7	39.2	45.7	50.0	7.47
	71	71.3	23.0	29.5	36.0	40.3	7.70
115	59	55.5	49.7	55.3	57.8*	59.1*	7.75
	63	59.4	41.0	47.5	54.0	58.3	8.03
	67	63.5	31.4	38.0	44.5	48.8	8.31
	71	67.8	21.7	28.3	34.7	39.1	8.60

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	2100	0.98
HIGH	2700	1.01

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT 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 F.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE060A	RATED	2300	0.93	0.92
	LOW	2000	0.91	0.86
	HIGH	2600	0.94	0.96
TWE060C/D15	RATED	1900	0.92	0.88
	LOW	1650	0.91	0.83
	HIGH	2150	0.94	0.92
TWE063P13	RATED	2200	0.98	0.99
	LOW	1925	0.96	0.93
	HIGH	2475	0.99	1.05

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE065E13	RATED	2200	0.98	0.99
	LOW	1925	0.96	0.93
	HIGH	2475	0.99	1.05
TWE090A	RATED	2400	1.00	1.00
	LOW	2100	0.98	0.94
	HIGH	2700	1.01	1.05
TWG060A15	RATED	2100	0.94	0.92
	LOW	1825	0.92	0.88
	HIGH	2375	0.95	0.97
TXA060C5	RATED	1700	0.91	0.83
	LOW	1475	0.88	0.78
	HIGH	1925	0.92	0.87
TXA061C5	RATED	1800	0.93	0.87
	LOW	1575	0.91	0.83
	HIGH	2025	0.95	0.92
TXC060C5	RATED	1700	0.91	0.83
	LOW	1475	0.88	0.78
	HIGH	1925	0.92	0.87
TXC061C5	RATED	1800	0.93	0.87
	LOW	1575	0.91	0.83
	HIGH	2025	0.95	0.92
TXH063P3-A	RATED	2200	0.98	0.99
	LOW	1925	0.96	0.93
	HIGH	2475	0.99	1.04
TXH063P3-B	RATED	2100	1.00	1.00
	LOW	1825	0.98	0.94
	HIGH	2375	1.01	1.06



Performance Data Heating

2TWA0030A3/4

2TWA0030A3/4 WITH TWE030C14 AT 1000 CFM

O.D. TEMP. F.	HEATING CAPACITY MBH AT INDOOR DRY BULB TEMP.			TOTAL POWER IN KILOWATTS AT INDOOR DRY BULB TEMP.		
	70	75	80	70	75	80
2	13.20	13.06	12.91	2.25	2.31	2.36
7	15.00	14.83	14.67	2.33	2.38	2.44
12	16.80	16.61	16.42	2.40	2.46	2.52
17	18.60	18.39	18.18	2.48	2.54	2.60
22	19.34	19.12	18.90	2.52	2.59	2.65
27	20.07	19.84	19.62	2.57	2.64	2.70
32	20.81	20.57	20.33	2.62	2.69	2.75
37	21.54	21.30	21.05	2.67	2.73	2.80
42	22.28	22.02	21.77	2.72	2.78	2.85
47	29.40	29.06	28.72	2.93	3.00	3.08
52	31.20	30.84	30.48	3.00	3.08	3.16
57	33.00	32.62	32.23	3.08	3.16	3.24
62	34.80	34.40	33.99	3.16	3.24	3.32
67	36.60	36.17	35.75	3.23	3.31	3.40
72	38.40	37.95	37.50	3.31	3.39	3.48

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	0.99	1.02
HIGH	1.01	0.98

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT LINES.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	SYST KW
TDD060R9V3+TXC031S3	RATED	1000	0.98
	LOW	875	0.97
	HIGH	1125	0.99
TDD060R9V3+TXC036S3	RATED	1000	0.99
	LOW	875	0.98
	HIGH	1125	1.00
TDD060R9V3+TXH025A4+TAYTXV-3	RATED	1000	0.95
	LOW	875	0.94
	HIGH	1125	0.96
TDD060R9V3+TXH033A4+TAYTXV-3	RATED	1000	0.97
	LOW	875	0.96
	HIGH	1125	0.98
TDD060R9V3+TXH041A4+TAYTXV-3	RATED	1000	0.98
	LOW	875	0.97
	HIGH	1125	0.99
TDD080R9V3+TXC031S3	RATED	900	0.97
	LOW	775	0.96
	HIGH	1025	0.98
TDD080R9V3+TXC036S3	RATED	900	0.98
	LOW	775	0.97
	HIGH	1025	0.99
TDD080R9V3+TXH025A4+TAYTXV-3	RATED	1000	0.94
	LOW	875	0.93
	HIGH	1125	0.95
TDD080R9V3+TXH033A4+TAYTXV-3	RATED	1000	0.97
	LOW	875	0.96
	HIGH	1125	0.98
TDD080R9V3+TXH041A4+TAYTXV-3	RATED	1000	0.98
	LOW	875	0.97
	HIGH	1125	0.99
TUD060R9V3+TXC031S3	RATED	1100	0.99
	LOW	950	0.98
	HIGH	1250	1.00
TUD060R9V3+TXC036S3	RATED	1000	0.99
	LOW	875	0.98
	HIGH	1125	1.00

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	SYST KW
TUD060R9V3+TXH025A4+TAYTXV-3	RATED	1000	0.95
	LOW	875	0.95
	HIGH	1125	0.96
TUD060R9V3+TXH033A4+TAYTXV-3	RATED	1000	0.97
	LOW	875	0.96
	HIGH	1125	0.98
TUD060R9V3+TXH041A4+TAYTXV-3	RATED	1000	0.99
	LOW	875	0.98
	HIGH	1125	1.00
TUD080R9V3+TXC031S3	RATED	1000	0.98
	LOW	875	0.97
	HIGH	1125	0.99
TUD080R9V3+TXC036S3	RATED	1000	0.99
	LOW	875	0.98
	HIGH	1125	1.00
TUD080R9V3+TXH025A4+TAYTXV-3	RATED	1000	0.95
	LOW	875	0.94
	HIGH	1125	0.96
TUD080R9V3+TXH033A4+TAYTXV-3	RATED	1000	0.97
	LOW	875	0.96
	HIGH	1125	0.98
TUD080R9V3+TXH041A4+TAYTXV-3	RATED	1000	0.98
	LOW	875	0.97
	HIGH	1125	0.99
TVF024A14	RATED	800	0.97
	LOW	700	0.96
	HIGH	900	0.98
TVF025A14	RATED	900	0.98
	LOW	775	0.96
	HIGH	1025	0.99
TVF030A14	RATED	1000	0.99
	LOW	875	0.98
	HIGH	1125	1.00
TVF036A14	RATED	1100	1.02
	LOW	950	1.01
	HIGH	1250	1.03
TWE024C14	RATED	900	0.95
	LOW	775	0.93
	HIGH	1025	0.96
TWE024P13	RATED	900	0.97
	LOW	775	0.96
	HIGH	1025	0.98
TWE030C14	RATED	1000	1.00
	LOW	875	0.99
	HIGH	1125	1.01
TWE030P13	RATED	900	0.98
	LOW	775	0.97
	HIGH	1025	0.99
TWE031E13	RATED	1000	0.97
	LOW	875	0.96
	HIGH	1125	0.98
TWE036C14	RATED	1100	1.00
	LOW	950	0.99
	HIGH	1250	1.01
TWE036P13	RATED	1100	1.01
	LOW	950	1.00
	HIGH	1250	1.02
TWE037E13	RATED	1000	0.97
	LOW	875	0.96
	HIGH	1125	0.98
TWG025A14	RATED	900	0.95
	LOW	775	0.94
	HIGH	1025	0.96



Performance Data Heating

2TWA0030A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWG030A14	RATED	1000	0.98	1.01
	LOW	875	0.97	0.99
	HIGH	1125	0.99	1.03
TWG036A14	RATED	1100	0.99	1.00
	LOW	950	0.98	0.98
	HIGH	1250	1.00	1.02
TXA030C4	RATED	1000	0.98	1.01
	LOW	875	0.97	0.99
	HIGH	1125	0.99	1.03
TXA031C4	RATED	1000	1.00	0.98
	LOW	875	0.99	0.97
	HIGH	1125	1.01	1.00
TXC030C4	RATED	1000	0.98	1.01
	LOW	875	0.97	0.99
	HIGH	1125	0.99	1.03

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TXC030D4	RATED	1000	0.98	1.01
	LOW	875	0.97	0.99
	HIGH	1125	0.99	1.03
TXC031C4	RATED	1000	1.00	0.98
	LOW	875	0.99	0.97
	HIGH	1125	1.01	1.00
TXC031D4	RATED	1000	1.00	0.98
	LOW	875	0.99	0.97
	HIGH	1125	1.01	1.00
TXC031S3	RATED	1000	1.00	0.98
	LOW	875	0.99	0.96
	HIGH	1125	1.01	1.00
TXH033A4	RATED	1000	1.00	0.99
	LOW	875	0.99	0.97
	HIGH	1125	1.01	1.01



Performance Data Heating

2TWA0036A3/4

2TWA0036A3/4 WITH TWE036C14 AT 1200 CFM

O.D. TEMP. F.	HEATING CAPACITY MBH AT INDOOR DRY BULB TEMP.			TOTAL POWER IN KILOWATTS AT INDOOR DRY BULB TEMP.		
	70	75	80	70	75	80
2	12.65	12.52	12.40	2.42	2.48	2.55
7	15.00	14.85	14.69	2.52	2.59	2.65
12	17.35	17.17	16.99	2.62	2.69	2.76
17	19.70	19.49	19.29	2.72	2.79	2.86
22	20.01	19.80	19.59	2.77	2.84	2.92
27	20.32	20.10	19.89	2.82	2.89	2.96
32	20.62	20.41	20.19	2.86	2.94	3.02
37	20.93	20.71	20.49	2.91	2.99	3.06
42	21.24	21.02	20.79	2.96	3.04	3.12
47	33.80	33.43	33.07	3.32	3.41	3.50
52	36.15	35.76	35.36	3.42	3.52	3.61
57	38.50	38.08	37.66	3.52	3.62	3.71
62	40.85	40.40	39.96	3.62	3.72	3.82
67	43.20	42.73	42.25	3.72	3.83	3.93
72	45.55	45.05	44.55	3.82	3.93	4.03

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1050	0.99
HIGH	1350	1.01

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT LINES.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	SYST KW
TDD060R9V3+TXC031E5	RATED	1200	0.99
	LOW	1050	0.98
	HIGH	1350	1.00
TDD060R9V3+TXC031S3	RATED	1200	0.99
	LOW	1050	0.98
	HIGH	1350	1.00
TDD060R9V3+TXC036S3	RATED	1200	1.00
	LOW	1050	0.99
	HIGH	1350	1.01
TDD060R9V3+TXH033A4+TAYTXV-3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TDD060R9V3+TXH041A4+TAYTXV-3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TDD080R9V3+TXC031S3	RATED	1100	0.98
	LOW	950	0.97
	HIGH	1250	0.99
TDD080R9V3+TXC036S3	RATED	1100	0.98
	LOW	950	0.97
	HIGH	1250	0.99
TDD080R9V3+TXH033A4+TAYTXV-3	RATED	1100	0.97
	LOW	950	0.96
	HIGH	1250	0.98
TDD080R9V3+TXH041A4+TAYTXV-3	RATED	1100	0.97
	LOW	950	0.96
	HIGH	1250	0.98
TDD100R9V5+TXC037S3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TDD100R9V5+TXH033A4+TAYTXV-3	RATED	1100	0.96
	LOW	950	0.95
	HIGH	1250	0.97
TDD100R9V5+TXH041A4+TAYTXV-3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	SYST KW
TUD060R9V3+TXC031S3	RATED	1200	0.99
	LOW	1050	0.98
	HIGH	1350	1.00
TUD060R9V3+TXC036S3	RATED	1200	1.00
	LOW	1050	0.99
	HIGH	1350	1.01
TUD060R9V3+TXH033A4+TAYTXV-3	RATED	1300	0.99
	LOW	1125	0.98
	HIGH	1475	1.00
TUD060R9V3+TXH041A4+TAYTXV-3	RATED	1300	1.00
	LOW	1125	0.99
	HIGH	1475	1.01
TUD080R9V3+TXC031S3	RATED	1200	0.99
	LOW	1050	0.98
	HIGH	1350	1.00
TUD080R9V3+TXC036S3	RATED	1200	1.00
	LOW	1050	0.99
	HIGH	1350	1.01
TUD080R9V3+TXH033A4+TAYTXV-3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TUD080R9V3+TXH041A4+TAYTXV-3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TUD100R9V5+TXC037S3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TUD100R9V5+TXH033A4+TAYTXV-3	RATED	1200	0.97
	LOW	1050	0.96
	HIGH	1350	0.98
TUD100R9V5+TXH041A4+TAYTXV-3	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TVF030A14	RATED	1100	0.99
	LOW	950	0.98
	HIGH	1250	1.00
TVF036A14	RATED	1200	1.00
	LOW	1050	0.99
	HIGH	1350	1.01
TWE030P13	RATED	900	0.96
	LOW	775	0.95
	HIGH	1025	0.97
TWE031E13	RATED	1200	0.98
	LOW	1050	0.97
	HIGH	1350	0.99
TWE036C14	RATED	1200	1.00
	LOW	1050	0.99
	HIGH	1350	1.01
TWE036P13	RATED	1200	0.99
	LOW	1050	0.98
	HIGH	1350	1.00
TWE037E13	RATED	1200	0.97
	LOW	1050	0.96
	HIGH	1350	0.98
TWE042C14	RATED	1400	1.01
	LOW	1225	1.00
	HIGH	1575	1.02
TWE042P13	RATED	1400	1.02
	LOW	1225	1.01
	HIGH	1575	1.03
TWG036A14	RATED	1200	0.99
	LOW	1050	0.98
	HIGH	1350	1.00



Performance Data Heating

2TWA0036A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWG037A14	RATED	1200	0.98	1.01
	LOW	1050	0.97	0.99
	HIGH	1350	0.99	1.03
TWG042A14	RATED	1400	1.00	1.00
	LOW	1225	0.99	0.99
	HIGH	1575	1.01	1.02
TXA036C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.97
	HIGH	1350	1.01	1.01
TXA037C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.97
	HIGH	1350	1.01	1.01
TXC036C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.97
	HIGH	1350	1.01	1.01

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TXC036D4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.97
	HIGH	1350	1.01	1.01
TXC036S3	RATED	1200	1.01	0.97
	LOW	1050	1.00	0.96
	HIGH	1350	1.02	0.99
TXC037C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.97
	HIGH	1350	1.01	1.01
TXC037S3	RATED	1200	1.01	0.97
	LOW	1050	1.00	0.96
	HIGH	1350	1.02	0.99
TXH033A4	RATED	1100	0.98	1.00
	LOW	950	0.97	0.98
	HIGH	1250	0.99	1.02



Performance Data Heating

2TWA0042A3/4

2TWA0042A3/4 WITH TWE042C14 AT 1400 CFM

O.D. TEMP. F.	HEATING CAPACITY MBH AT INDOOR DRY BULB TEMP.			TOTAL POWER IN KILOWATTS AT INDOOR DRY BULB TEMP.		
	70	75	80	70	75	80
2	16.95	16.73	16.50	2.75	2.83	2.90
7	19.57	19.30	19.04	2.86	2.94	3.02
12	22.18	21.88	21.58	2.97	3.05	3.13
17	24.80	24.46	24.12	3.08	3.16	3.25
22	25.51	25.16	24.81	3.15	3.23	3.32
27	26.23	25.87	25.51	3.22	3.31	3.40
32	26.94	26.57	26.20	3.28	3.38	3.47
37	27.65	27.27	26.89	3.35	3.45	3.54
42	28.37	27.98	27.58	3.42	3.52	3.61
47	40.50	39.93	39.36	3.73	3.84	3.94
52	43.12	42.51	41.90	3.84	3.95	4.06
57	45.73	45.09	44.44	3.95	4.06	4.18
62	48.35	47.66	46.98	4.06	4.18	4.29
67	50.97	50.24	49.52	4.17	4.29	4.41
72	53.58	52.82	52.06	4.28	4.40	4.53

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1.225	1.02
HIGH	1.575	0.98

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT LINES.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TDD080R9V3+TXC036S3	RATED	1300	0.99	0.97
	LOW	1125	0.98	0.95
	HIGH	1475	1.00	0.99
TDD080R9V3+TXH041A4+TAYTXV-3	RATED	1300	0.97	0.97
	LOW	1125	0.96	0.95
	HIGH	1475	0.98	0.99
TDD080R9V3+TXH054A4+TAYTXV-3	RATED	1300	1.00	0.95
	LOW	1125	0.99	0.93
	HIGH	1475	1.01	0.97
TDD080R9V3+TXH063P3	RATED	1300	1.00	0.92
	LOW	1125	0.99	0.90
	HIGH	1475	1.01	0.94
TDD100R9V5+TXC037S3	RATED	1400	0.99	0.95
	LOW	1225	0.98	0.93
	HIGH	1575	1.00	0.96
TDD100R9V5+TXC054S3	RATED	1400	0.99	0.93
	LOW	1225	0.98	0.91
	HIGH	1575	1.00	0.95
TDD100R9V5+TXH041A4+TAYTXV-3	RATED	1400	0.98	0.94
	LOW	1225	0.97	0.93
	HIGH	1575	0.98	0.96
TDD100R9V5+TXH054A4+TAYTXV-3	RATED	1400	0.99	0.92
	LOW	1225	0.98	0.90
	HIGH	1575	1.00	0.94
TDD100R9V5+TXH063P3	RATED	1400	1.00	0.91
	LOW	1225	0.99	0.90
	HIGH	1575	1.01	0.93
TDD120R9V5+TXH041A4+TAYTXV-3	RATED	1400	0.97	0.93
	LOW	1225	0.96	0.91
	HIGH	1575	0.98	0.95
TDD120R9V5+TXH054A4+TAYTXV-3	RATED	1400	0.99	0.91
	LOW	1225	0.98	0.89
	HIGH	1575	1.00	0.93
TDD120R9V5+TXH063P3	RATED	1400	1.00	0.89
	LOW	1225	0.99	0.87
	HIGH	1575	1.01	0.91

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TUD080R9V3+TXC036S3	RATED	1400	1.00	0.98
	LOW	1225	0.99	0.96
	HIGH	1575	1.01	1.00
TUD080R9V3+TXH041A4+TAYTXV-3	RATED	1400	0.99	0.99
	LOW	1225	0.98	0.97
	HIGH	1575	1.00	1.01
TUD080R9V3+TXH054A4+TAYTXV-3	RATED	1400	1.00	0.96
	LOW	1225	0.99	0.94
	HIGH	1575	1.01	0.98
TUD080R9V3+TXH063P3	RATED	1400	1.01	0.94
	LOW	1225	1.00	0.93
	HIGH	1575	1.02	0.96
TUD100R9V5+TXC037S3	RATED	1400	0.99	0.96
	LOW	1225	0.98	0.94
	HIGH	1575	1.00	0.98
TUD100R9V5+TXC054S3	RATED	1400	0.99	0.94
	LOW	1225	0.98	0.92
	HIGH	1575	1.00	0.96
TUD100R9V5+TXH041A4+TAYTXV-3	RATED	1500	0.99	0.95
	LOW	1300	0.98	0.93
	HIGH	1700	1.00	0.97
TUD100R9V5+TXH054A4+TAYTXV-3	RATED	1500	1.00	0.94
	LOW	1300	0.99	0.92
	HIGH	1700	1.01	0.95
TUD100R9V5+TXH063P3	RATED	1400	1.00	0.91
	LOW	1225	0.99	0.89
	HIGH	1575	1.01	0.93
TUD120R9V5+TXC065S3	RATED	1400	0.99	0.90
	LOW	1225	0.98	0.88
	HIGH	1575	1.00	0.92
TUD120R9V5+TXH041A4+TAYTXV-3	RATED	1400	0.97	0.93
	LOW	1225	0.96	0.91
	HIGH	1575	0.98	0.95
TUD120R9V5+TXH054A4+TAYTXV-3	RATED	1400	0.99	0.91
	LOW	1225	0.98	0.89
	HIGH	1575	1.00	0.93
TUD120R9V5+TXH063P3	RATED	1400	1.00	0.89
	LOW	1225	0.99	0.87
	HIGH	1575	1.01	0.91
TUD140R9V5+TXC065S3	RATED	1400	0.99	0.90
	LOW	1225	0.98	0.88
	HIGH	1575	1.00	0.92
TUD140R9V5+TXH041A4+TAYTXV-3	RATED	1400	0.98	0.94
	LOW	1225	0.97	0.92
	HIGH	1575	0.99	0.96
TUD140R9V5+TXH054A4+TAYTXV-3	RATED	1400	0.99	0.91
	LOW	1225	0.98	0.89
	HIGH	1575	1.00	0.93
TUD140R9V5+TXH063P3	RATED	1400	1.00	0.90
	LOW	1225	0.99	0.88
	HIGH	1575	1.01	0.91
TVF036A14	RATED	1400	1.01	1.02
	LOW	1225	0.99	1.00
	HIGH	1575	1.02	1.04
TWE036C14	RATED	1400	0.98	1.03
	LOW	1225	0.96	1.01
	HIGH	1575	0.99	1.05
TWE036P13	RATED	1400	0.98	1.01
	LOW	1225	0.96	0.99
	HIGH	1575	0.99	1.03
TWE037E13	RATED	1400	0.97	0.97
	LOW	1225	0.96	0.95
	HIGH	1575	0.98	0.99



Performance Data Heating

2TWA0042A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE040E13	RATED	1400	1.00	0.92
	LOW	1225	0.99	0.90
	HIGH	1575	1.01	0.94
TWE042C14	RATED	1400	1.00	1.00
	LOW	1225	0.99	0.98
	HIGH	1575	1.01	1.02
TWE042P13	RATED	1400	0.99	0.98
	LOW	1225	0.98	0.96
	HIGH	1575	1.00	1.00
TWE048C14	RATED	1600	1.02	1.00
	LOW	1400	1.01	0.98
	HIGH	1800	1.03	1.02
TWE048P13	RATED	1600	1.03	0.94
	LOW	1400	1.02	0.94
	HIGH	1800	1.04	0.96
TWE049E13	RATED	1400	1.00	0.90
	LOW	1225	0.99	0.88
	HIGH	1575	1.01	0.92
TWE060A	RATED	1600	1.00	0.96
	LOW	1400	0.99	0.94
	HIGH	1800	1.01	0.98
TWE060C/D15	RATED	1600	1.03	1.02
	LOW	1400	1.02	1.00
	HIGH	1800	1.04	1.04
TWE060P13	RATED	1600	1.03	0.96
	LOW	1400	1.02	0.95
	HIGH	1800	1.04	0.98
TWG036A14	RATED	1200	0.96	1.05
	LOW	1050	0.94	1.02
	HIGH	1350	0.97	1.07
TWG037A14	RATED	1300	0.96	1.03
	LOW	1125	0.94	1.00
	HIGH	1475	0.97	1.05
TWG042A14	RATED	1400	0.97	1.00
	LOW	1225	0.96	0.98
	HIGH	1575	0.98	1.02
TWG048A14	RATED	1600	1.00	0.99
	LOW	1400	0.99	0.97
	HIGH	1800	1.01	1.01
TWG060A15	RATED	1600	1.03	1.02
	LOW	1400	1.02	1.00
	HIGH	1800	1.04	1.04
TXA042C4	RATED	1200	0.98	0.99
	LOW	1050	0.97	0.97
	HIGH	1350	0.99	1.01
TXA043C4	RATED	1400	0.99	0.98
	LOW	1225	0.98	0.96
	HIGH	1575	1.00	1.00

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TXA048C4	RATED	1400	1.00	0.97
	LOW	1225	0.99	0.95
	HIGH	1575	1.01	0.99
TXA049C4	RATED	1600	1.02	0.98
	LOW	1400	1.01	0.96
	HIGH	1800	1.03	1.00
TXC035C4	RATED	1100	0.94	1.04
	LOW	950	0.92	1.02
	HIGH	1250	0.96	1.07
TXC035D4	RATED	1100	0.94	1.04
	LOW	950	0.92	1.02
	HIGH	1250	0.96	1.07
TXC036C4	RATED	1200	0.98	0.99
	LOW	1050	0.97	0.97
	HIGH	1350	0.99	1.01
TXC036D4	RATED	1200	0.98	0.99
	LOW	1050	0.97	0.97
	HIGH	1350	0.99	1.01
TXC036S3	RATED	1300	0.99	0.97
	LOW	1125	0.98	0.95
	HIGH	1475	1.00	0.99
TXC037C4	RATED	1400	0.99	0.99
	LOW	1225	0.98	0.97
	HIGH	1575	1.00	1.01
TXC037S3	RATED	1400	1.00	0.97
	LOW	1225	0.99	0.95
	HIGH	1575	1.01	0.99
TXC042C4	RATED	1200	0.98	0.99
	LOW	1050	0.97	0.97
	HIGH	1350	0.99	1.01
TXC043C4	RATED	1400	0.99	0.98
	LOW	1225	0.98	0.96
	HIGH	1575	1.00	1.00
TXC048C4	RATED	1400	1.00	0.97
	LOW	1225	0.99	0.95
	HIGH	1575	1.01	0.99
TXC049C4	RATED	1600	1.02	0.98
	LOW	1400	1.01	0.96
	HIGH	1800	1.03	1.00
TXC054S3	RATED	1600	1.02	0.96
	LOW	1400	1.01	0.94
	HIGH	1800	1.03	0.98
TXH041A4	RATED	1400	0.99	0.98
	LOW	1225	0.98	0.96
	HIGH	1575	1.00	1.00



Performance Data Heating

2TWA0048A3/4

2TWA0048A3/4 WITH TWE048C14 AT 1600 CFM

O.D. TEMP. F.	HEATING CAPACITY MBH AT INDOOR DRY BULB TEMP.			TOTAL POWER IN KILOWATTS AT INDOOR DRY BULB TEMP.		
	70	75	80	70	75	80
2	15.65	15.47	15.29	2.92	3.00	3.07
7	18.97	18.74	18.52	3.05	3.13	3.21
12	22.28	22.02	21.75	3.19	3.27	3.35
17	25.60	25.29	24.98	3.32	3.41	3.49
22	26.55	26.23	25.91	3.42	3.51	3.60
27	27.51	27.17	26.84	3.52	3.61	3.71
32	28.46	28.11	27.77	3.62	3.72	3.81
37	29.42	29.06	28.69	3.72	3.82	3.92
42	30.37	30.00	29.62	3.82	3.92	4.03
47	45.50	44.93	44.35	4.12	4.23	4.34
52	48.82	48.20	47.58	4.25	4.37	4.48
57	52.13	51.47	50.81	4.38	4.50	4.62
62	55.45	54.74	54.04	4.51	4.64	4.76
67	58.77	58.02	57.27	4.64	4.78	4.91
72	62.08	61.29	60.50	4.78	4.91	5.05

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1400	0.99
HIGH	1800	1.01

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT LINES.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TDD100R9V5+TXC054S3	RATED	1600	0.99	0.97
	LOW	1400	0.98	0.95
	HIGH	1800	1.00	0.99
TDD100R9V5+TXH041A4+TAYTXV-3	RATED	1600	0.97	0.98
	LOW	1400	0.96	0.96
	HIGH	1800	0.98	0.99
TDD100R9V5+TXH054A4+TAYTXV-3	RATED	1600	0.99	0.96
	LOW	1400	0.98	0.94
	HIGH	1800	1.00	0.98
TDD100R9V5+TXH063P3	RATED	1600	1.00	0.94
	LOW	1400	0.99	0.92
	HIGH	1800	1.01	0.96
TDD120R9V5+TXH041A4+TAYTXV-3	RATED	1600	0.97	0.96
	LOW	1400	0.96	0.94
	HIGH	1800	0.98	0.98
TDD120R9V5+TXH054A4+TAYTXV-3	RATED	1600	0.99	0.95
	LOW	1400	0.98	0.93
	HIGH	1800	1.00	0.97
TDD120R9V5+TXH063P3	RATED	1600	0.99	0.92
	LOW	1400	0.98	0.90
	HIGH	1800	1.00	0.94
TUD100R9V5+TXC054S3	RATED	1700	1.00	0.99
	LOW	1475	0.99	0.97
	HIGH	1925	1.01	1.01
TUD100R9V5+TXH041A4+TAYTXV-3	RATED	1700	0.98	0.99
	LOW	1475	0.97	0.97
	HIGH	1925	0.99	1.01
TUD100R9V5+TXH054A4+TAYTXV-3	RATED	1700	1.00	0.98
	LOW	1475	0.99	0.96
	HIGH	1925	1.01	1.00
TUD100R9V5+TXH063P3	RATED	1600	1.00	0.95
	LOW	1400	0.99	0.94
	HIGH	1800	1.01	0.97
TUD120R9V5+TXH041A4+TAYTXV-3	RATED	1600	0.97	0.97
	LOW	1400	0.96	0.95
	HIGH	1800	0.98	0.99

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TUD120R9V5+TXH054A4+TAYTXV-3	RATED	1600	0.99	0.95
	LOW	1400	0.98	0.93
	HIGH	1800	1.00	0.97
TUD120R9V5+TXH063P3	RATED	1600	0.99	0.92
	LOW	1400	0.98	0.91
	HIGH	1800	1.00	0.94
TUD140R9V5+TXC065S3	RATED	1600	0.99	0.94
	LOW	1400	0.98	0.92
	HIGH	1800	1.00	0.96
TUD140R9V5+TXH041A4+TAYTXV-3	RATED	1600	0.97	0.97
	LOW	1400	0.96	0.95
	HIGH	1800	0.98	0.99
TUD140R9V5+TXH054A4+TAYTXV-3	RATED	1600	0.99	0.95
	LOW	1400	0.98	0.94
	HIGH	1800	1.00	0.97
TUD140R9V5+TXH063P3	RATED	1600	0.99	0.92
	LOW	1400	0.98	0.90
	HIGH	1800	1.00	0.94
TWE042C14	RATED	1600	0.98	1.03
	LOW	1400	0.97	1.01
	HIGH	1800	0.99	1.05
TWE042P13	RATED	1600	0.98	1.00
	LOW	1400	0.97	0.98
	HIGH	1800	0.99	1.02
TWE048C14	RATED	1600	1.00	1.00
	LOW	1400	0.99	0.98
	HIGH	1800	1.01	1.02
TWE048P13	RATED	1600	1.00	0.95
	LOW	1400	0.99	0.94
	HIGH	1800	1.01	0.97
TWE049E13	RATED	1500	0.99	0.92
	LOW	1300	0.98	0.90
	HIGH	1700	1.00	0.94
TWE060A	RATED	1800	0.99	0.97
	LOW	1575	0.98	0.95
	HIGH	2025	1.00	0.99
TWE060C/D15	RATED	1800	1.03	1.05
	LOW	1575	1.02	1.03
	HIGH	2025	1.04	1.07
TWE060P13	RATED	1800	1.01	0.97
	LOW	1575	1.00	0.96
	HIGH	2025	1.02	0.99
TWE063P13	RATED	1600	1.02	0.99
	LOW	1400	1.01	0.99
	HIGH	1800	1.03	1.01
TWE065E13	RATED	1600	1.00	0.92
	LOW	1400	0.99	0.91
	HIGH	1800	1.01	0.94
TWG042A14	RATED	1500	0.96	1.03
	LOW	1300	0.94	1.01
	HIGH	1700	0.97	1.05
TWG048A14	RATED	1600	0.98	1.01
	LOW	1400	0.97	0.99
	HIGH	1800	0.99	1.03
TWG060A15	RATED	1800	1.01	1.02
	LOW	1575	1.00	1.00
	HIGH	2025	1.02	1.05
TXA048C4	RATED	1400	0.97	0.98
	LOW	1225	0.96	0.96
	HIGH	1575	0.98	1.00
TXA049C4	RATED	1600	0.99	0.98
	LOW	1400	0.98	0.96
	HIGH	1800	1.00	1.00



Performance Data Heating

2TWA0048A3/4

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TXA050C4	RATED	1600	0.99	0.98
	LOW	1400	0.98	0.96
	HIGH	1800	1.00	1.00
TXC048C4	RATED	1400	0.97	0.98
	LOW	1225	0.96	0.96
	HIGH	1575	0.98	1.00

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TXC049C4	RATED	1600	0.99	0.98
	LOW	1400	0.98	0.96
	HIGH	1800	1.00	1.00
TXH054A4	RATED	1700	1.00	0.98
	LOW	1475	0.99	0.96
	HIGH	1925	1.01	1.00



Performance Data Heating

2TWA0060A3/4

2TWA0060A3/4 WITH TWE060C/D15 AT 1900 CFM

O.D. TEMP. F.	HEATING CAPACITY MBH AT INDOOR DRY BULB TEMP.			TOTAL POWER IN KILOWATTS AT INDOOR DRY BULB TEMP.		
	70	75	80	70	75	80
2	22.70	22.46	22.22	3.72	3.81	3.89
7	26.50	26.21	25.92	3.90	4.00	4.09
12	30.29	29.96	29.63	4.09	4.19	4.28
17	34.09	33.71	33.33	4.27	4.38	4.48
22	35.09	34.70	34.31	4.42	4.53	4.64
27	36.10	35.70	35.29	4.57	4.69	4.80
32	37.11	36.69	36.27	4.72	4.84	4.96
37	38.12	37.69	37.26	4.87	5.00	5.12
42	39.12	38.68	38.24	5.02	5.15	5.28
47	56.86	56.20	55.54	5.38	5.52	5.66
52	60.65	59.95	59.24	5.57	5.71	5.85
57	64.45	63.70	62.94	5.75	5.90	6.05
62	68.24	67.44	66.65	5.93	6.09	6.25
67	72.04	71.19	70.35	6.12	6.28	6.44
72	75.83	74.94	74.05	6.30	6.47	6.64

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1650	0.99	1.02
HIGH	2150	1.01	0.98

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT LINES.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE042C14	RATED	1600	0.94	1.01
	LOW	1400	0.93	0.99
	HIGH	1800	0.95	1.03
TWE042P13	RATED	1600	0.94	0.96
	LOW	1400	0.93	0.95
	HIGH	1800	0.95	0.98
TWE048C14	RATED	1800	0.97	0.99
	LOW	1575	0.96	0.97
	HIGH	2025	0.98	1.01
TWE048P13	RATED	1800	0.98	0.94
	LOW	1575	0.97	0.92
	HIGH	2025	0.99	0.96
TWE049E13	RATED	1800	0.98	0.95
	LOW	1575	0.97	0.93
	HIGH	2025	0.99	0.96

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE060A+BAY24X045	RATED	2000	0.96	0.94
	LOW	1750	0.95	0.92
	HIGH	2250	0.97	0.96
TWE060C/D15	RATED	1900	1.00	1.00
	LOW	1650	0.99	0.98
	HIGH	2150	1.01	1.02
TWE060P13	RATED	1800	0.98	0.94
	LOW	1575	0.97	0.92
	HIGH	2025	0.99	0.96
TWE063P13	RATED	1800	0.99	0.96
	LOW	1575	0.98	0.95
	HIGH	2025	1.00	0.98
TWE065E13	RATED	1800	0.98	0.91
	LOW	1575	0.97	0.90
	HIGH	2025	0.99	0.93
TWG048A14	RATED	1600	0.94	0.98
	LOW	1400	0.93	0.96
	HIGH	1800	0.95	1.00
TWG060A15	RATED	2000	0.99	0.99
	LOW	1750	0.98	0.97
	HIGH	2250	1.00	1.01
TXA060C5+BAY24X045	RATED	1700	0.97	0.95
	LOW	1475	0.96	0.93
	HIGH	1925	0.98	0.97
TXA061C5+BAY24X045	RATED	1800	0.97	0.95
	LOW	1575	0.96	0.93
	HIGH	2025	0.98	0.97
TXC060C5+BAY24X045	RATED	1700	0.97	0.95
	LOW	1475	0.96	0.93
	HIGH	1925	0.98	0.97
TXC061C5+BAY24X045	RATED	1800	0.97	0.95
	LOW	1575	0.96	0.93
	HIGH	2025	0.98	0.97
TXC065S3	RATED	2000	0.99	0.95
	LOW	1750	0.98	0.94
	HIGH	2250	1.00	0.97
TXH063P3-A	RATED	2000	0.99	0.94
	LOW	1750	0.98	0.93
	HIGH	2250	1.00	0.96
TXH063P3-B	RATED	2000	0.99	0.94
	LOW	1750	0.98	0.93
	HIGH	2250	1.00	0.96



Performance Data Heating

2TWA0072A3/4

2TWA0072A3/4 WITH TWE090A AT 2400 CFM

O.D. TEMP. F.	HEATING CAPACITY MBH AT INDOOR DRY BULB TEMP.			TOTAL POWER IN KILOWATTS AT INDOOR DRY BULB TEMP.		
	70	75	80	70	75	80
2	29.25	28.82	28.38	4.49	4.67	4.86
7	33.17	32.67	32.17	4.61	4.80	4.99
12	37.08	36.52	35.96	4.72	4.92	5.12
17	41.00	40.38	39.75	4.84	5.05	5.25
22	41.66	41.03	40.39	4.89	5.09	5.30
27	42.32	41.68	41.03	4.93	5.14	5.35
32	42.98	42.33	41.67	4.98	5.19	5.40
37	43.64	42.98	42.31	5.02	5.23	5.45
42	44.30	43.63	42.95	5.07	5.28	5.49
47	64.50	63.50	62.50	5.56	5.79	6.03
52	68.42	67.35	66.29	5.68	5.92	6.16
57	72.33	71.21	70.08	5.80	6.04	6.29
62	76.25	75.06	73.87	5.92	6.17	6.42
67	80.17	78.91	77.66	6.04	6.29	6.55
72	84.08	82.77	81.45	6.15	6.42	6.68

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	2100	0.99	1.03
HIGH	2700	1.01	0.97

NOTE: ALL TABLES ABOVE ARE AT ARI RATING CONDITIONS RATED WITH 25 FEET OF REFRIGERANT LINES.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE060A	RATED	2300	0.99	1.10
	LOW	2000	0.97	1.06
	HIGH	2600	1.01	1.13
TWE060C/D15	RATED	1900	1.00	1.14
	LOW	1650	0.98	1.11
	HIGH	2150	1.02	1.19
TWE063P13	RATED	2200	1.01	1.06
	LOW	1925	0.99	1.03
	HIGH	2475	1.03	1.10

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

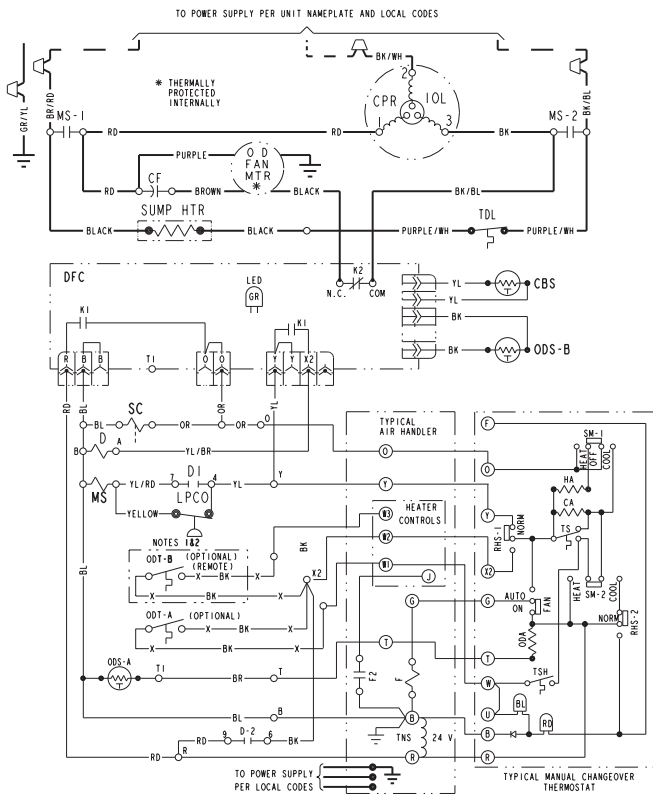
INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE065E13	RATED	2200	1.00	1.05
	LOW	1925	0.98	1.02
	HIGH	2475	1.01	1.08
TWE090A	RATED	2400	1.00	1.00
	LOW	2100	0.99	0.97
	HIGH	2700	1.01	1.03
TWG060A15	RATED	2100	1.00	1.12
	LOW	1825	0.98	1.08
	HIGH	2375	1.02	1.16
TXA060C5	RATED	1700	0.98	1.11
	LOW	1475	0.96	1.07
	HIGH	1925	1.00	1.15
TXA061C5	RATED	1800	0.99	1.10
	LOW	1575	0.97	1.07
	HIGH	2025	1.01	1.14
TXC060C5	RATED	1700	0.98	1.11
	LOW	1475	0.96	1.07
	HIGH	1925	1.00	1.15
TXC061C5	RATED	1800	0.99	1.10
	LOW	1575	0.97	1.07
	HIGH	2025	1.01	1.14
TXH063P3-A	RATED	2200	1.00	1.03
	LOW	1925	0.98	1.00
	HIGH	2475	1.01	1.06
TXH063P3-B	RATED	2100	1.00	1.03
	LOW	1825	0.98	1.00
	HIGH	2375	1.01	1.07

Electrical Data

SCHEMATIC DIAGRAMS

(SEE LEGEND)

2TWA0030-060A3



NOTES:

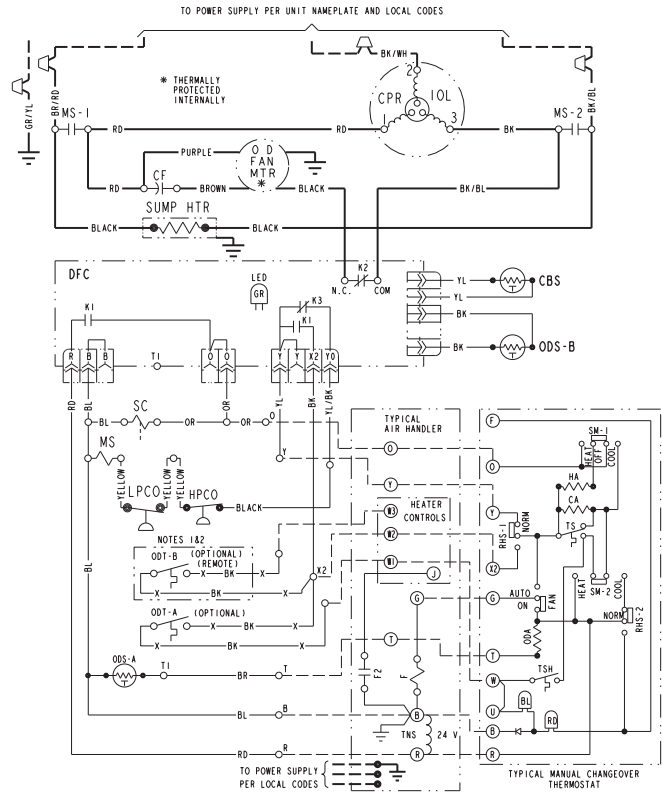
- IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER. IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
- IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
- LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

⚠ 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!

⚠ 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!

NOTE
THREE PHASE MOTOR (S) FACTORY SUPPLIED IN THIS EQUIPMENT PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

2TWA0072A3



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.

⚠ 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!

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UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

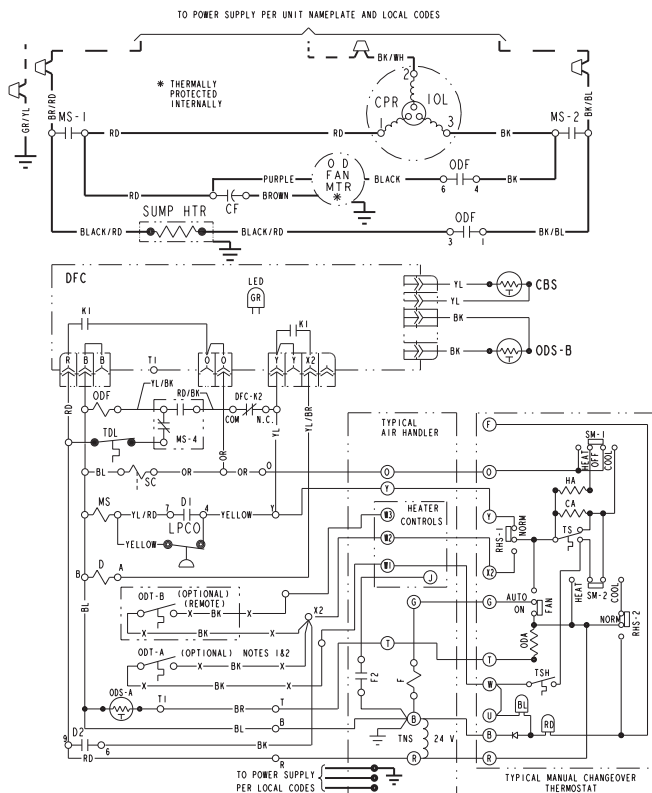
NOTE
THREE PHASE MOTOR (S) FACTORY SUPPLIED IN THIS EQUIPMENT PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

Electrical Data

SCHEMATIC DIAGRAMS

(SEE LEGEND)

2TWA0030-060A4



NOTES:

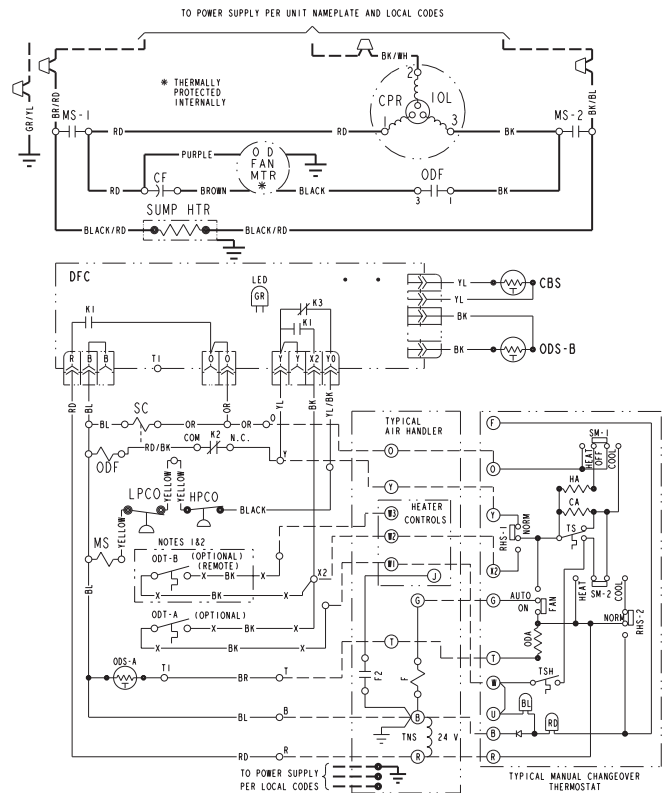
- IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER. IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
- IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
- LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

<p>⚠ WARNING HAZARDOUS VOLTAGE!</p> <p>DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.</p> <p>FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p>	<p>⚠ CAUTION USE COPPER CONDUCTORS ONLY!</p> <p>UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.</p> <p>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.

PRINTED FROM D153411 P02

2TWA0072A4



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.

<p>⚠ WARNING HAZARDOUS VOLTAGE!</p> <p>DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.</p> <p>FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!</p>	<p>⚠ CAUTION USE COPPER CONDUCTORS ONLY!</p> <p>UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.</p> <p>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.

PRINTED FROM D153424 P03





















Electrical Data

SCHEMATIC DIAGRAMS

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

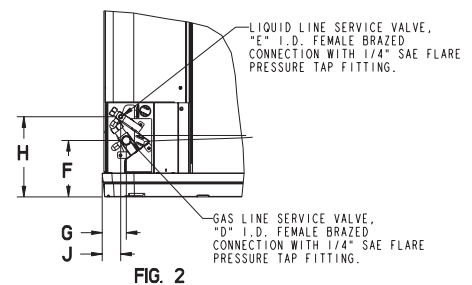
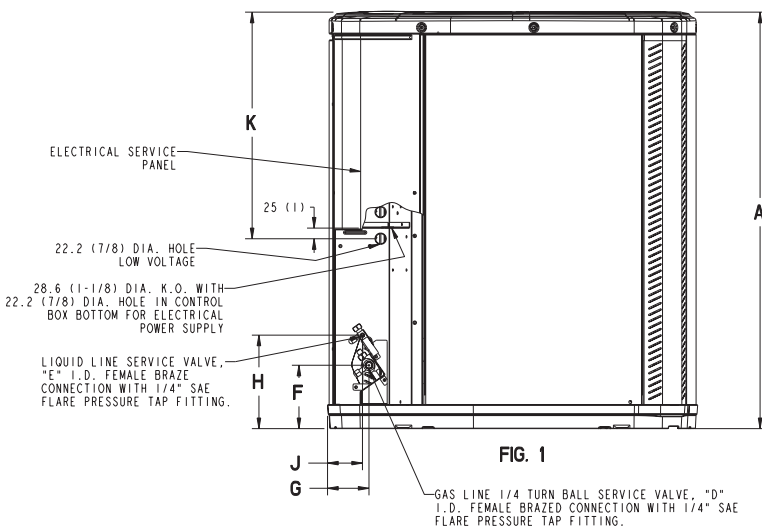
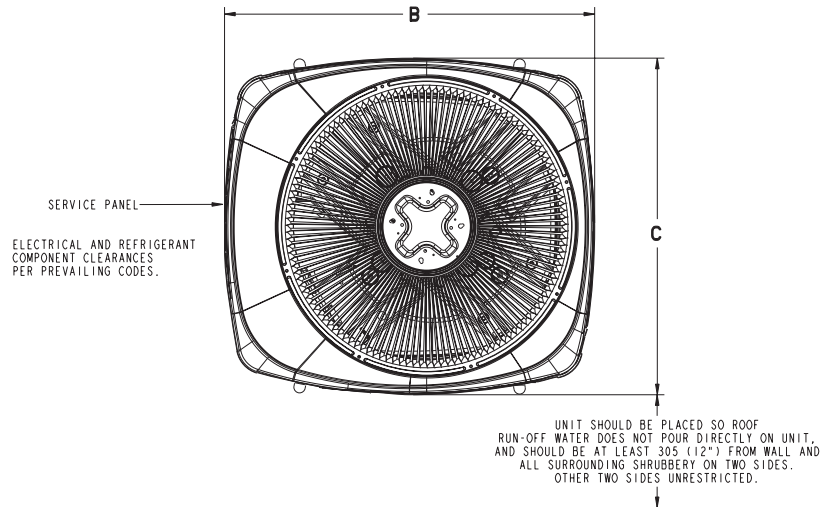
	24 V.	}	FACTORY WIRING
	LINE V.		
	24 V.	}	FIELD WIRING
	LINE V.		
	GROUND		
	JUNCTION		
	WIRE NUT OR CONNECTOR		
	COIL		
	CAPACITOR		
	RELAY CONTACT (N.O.)		
	RELAY CONTACT (N.C.)		
	THERMISTOR		
	INTERNAL OVERLOAD PROTECTOR		
	PRESSURE ACTUATED SWITCH		
	TEMP. ACTUATED SWITCH		
	POL. PLUG FEMALE HOUSING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

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

Dimensions

2TWA0 OUTLINE DRAWING

Note: All dimensions are in MM (Inches).



MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K
2TWA0030A	2	2	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)
2TWA0036A	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)
2TWA0042A	3	1	832 (32-3/4)	829 (32-5/8)	756 (29-3/4)	7/8	3/8	143 (5-5/8)	92 (3-5/8)	210 (8-1/4)	79 (3-1/8)	508 (20)
2TWA0048A	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)
2TWA0060A	4	1	841 (33-1/8)	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)
2TWA0072A	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



Mechanical Specification Options

General

The 2TWA0 is fully charged from the factory for up to 15 feet of piping. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are A.R.I. certified. The unit is UL listed. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, G90 galvanized steel and painted with a weather-resistant powder paint on all louvers, panels, prepaint on all other panels. Corrosion and weather-proof CMBP-G30 DuraTuff™ base.

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and high pressure switch. High and low pressure controls are inherent to the compressor. A factory installed liquid line drier is standard.

Compressor

The Climatuff® compressor features a 5 year limited warranty, internal over temperature and pressure protection and total dipped hermetic motor. Other features include: roto lock suction and discharge refrigerant connections, centrifugal oil pump and low vibration and noise.

Condenser Coil

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 5 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 — Cooling only and heat/cooling (manual and automatic changeover). Sub-base to match thermostat and locking thermostat cover.

Evaporator Defrost Control — See Low Ambient Cooling.



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American Standard Companies
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Literature Order Number	SSP-PRC007-EN	P.I.
File Number	—	
Supersedes	New	
Stocking Location	PI Louisville & Webb/Mason-Houston	10/02

Trane has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.