



Split System Heat Pump Product & Performance Data

XR11
2TWR1018-060A

1½ – 5 Tons



PUB. NO. 22-1742-01-1002 (EN)



General Features

Split System Heat Pump Units . . . The Evolution Continues XR11

2TWR1 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
- Efficiency up to 11.5 SEER and 8.30 HSPF
- All aluminum **Spine Fin**™ coil
- **DuraTuff**™ base, fast complete drain, weather proof
- **WeatherGuard**™ fasteners
- New tarpaulin gray cabinet with anthracite gray badge and cap
- **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
- Liquid line filter-drier
- **Comfort "R"**™ mode approved
- 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
- **10-year limited warranty on compressor, coil, and 5 years on parts (Residential use only)**
- **Extended warranties available**
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 55°F as shipped
- Low ambient to 40°F with EDC accessory AY28X079
- Low ambient cooling to 30°F with EDC accessory AY28X079 and TXV



Features and Benefits

Optional Equipment

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

Indoor Thermostats — Elec. Setback Thermostat	TAYSTAT500C []
Prog., 5/2 Day, Manual	TAYSTAT540 []
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 []
Humidistat	BAYSTAT253 []
Outdoor Thermostats 46°F. to – 10°F. (Adjustable)	TAYSTAT250B []
Evaporator Defrost Control Kit	AY28X084 []
Indoor Fan Delay Relay	BAY24X045 []
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 []
Start Kit (1.5-5 ton models)	BAYKSKT257 []
Extreme Conditions Mounting Kit	BAYECMT001 []
Seacoast Kit	BAYSEAC001 []
Low Ambient Kit	BAYLOAM103 []
Isolators	BAYISLT101 []

① Do not use with programmable thermostats

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

5/8" ODM (90° bend, one end), 5/8" and 1/4" tubing	TAYREFLN1__* []
3/4" ODM (90° bend, one end), 3/4" and 5/16" tubing	TAYREFLN2__* []
7/8" ODM (90° bend, one end), 7/8" and 3/8" tubing	TAYREFLN3__* []
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

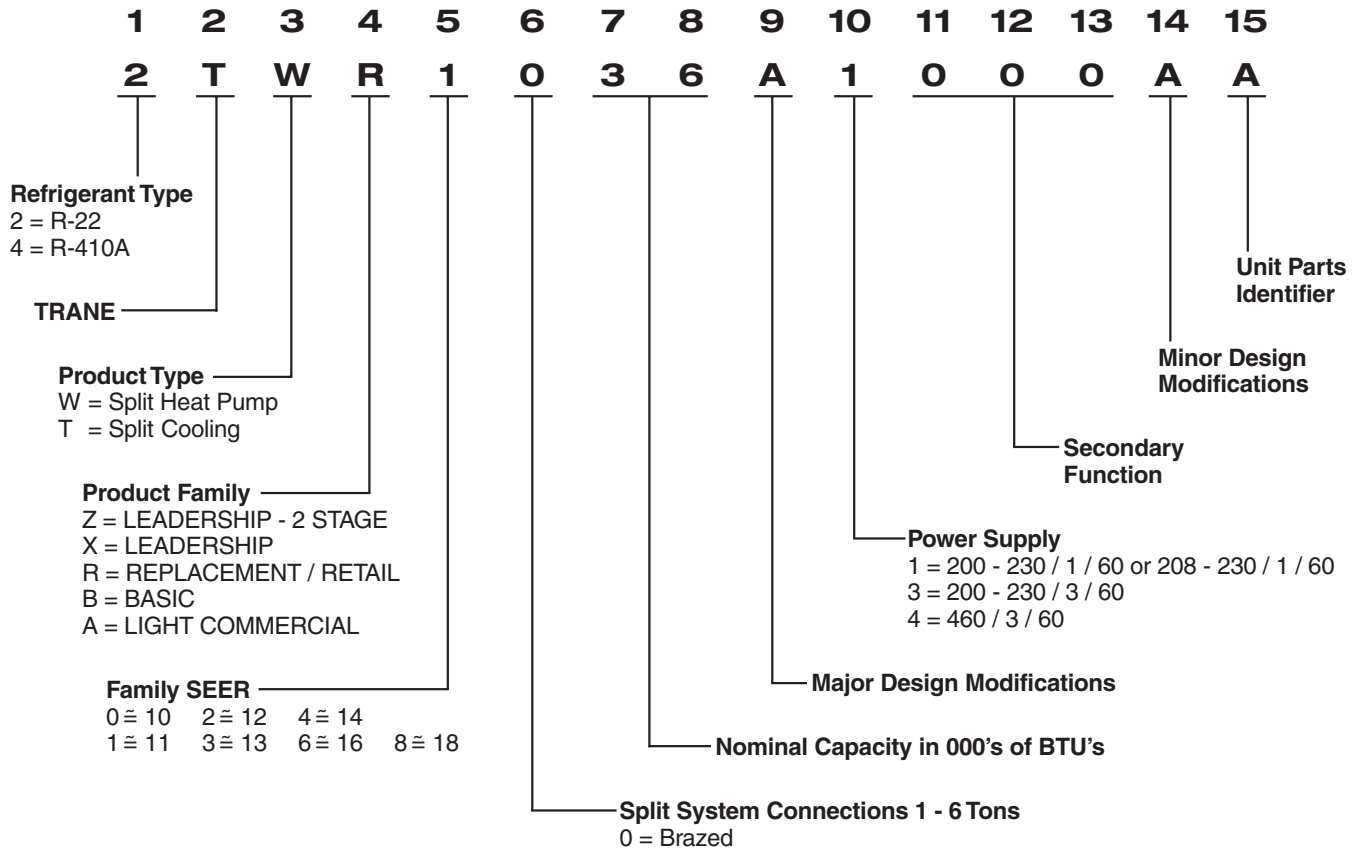
A.R.I. STANDARD 210/240 RATING CONDITIONS — (A) Cooling 80°F. D.B., 67°F. W.B. air entering indoor coil, 95°F. D.B. air entering outdoor coil. (B) High Temperature Heating 47°F. D.B., 43°F. W.B. air entering outdoor coil, 70°F. D.B. air entering indoor coil. (C) Low Temperature Heating 17°F. D.B., 15°F.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

2TWR1018A1000A

OUTDOOR UNIT ①②	2TWR1018A1000A
SOUND RATING (DECIBELS) ②	77
POWER CONNS. — V/PH/Hz ③	200/230/1/60
MIN. BRCH. CIR. AMPACITY	10
BR. CIR. } MAX. (AMPS)	15
PROT. RTG. } MIN. (AMPS)	15
COMPRESSOR	CLIMATUFF®
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/Hz	200/230/1/60
R.L. AMPS ⑦ - L.R. AMPS	7.3 - 42
FACTORY INSTALLED	
START COMPONENTS ⑧	NO
INSULATION/SOUND BLANKET	YES
COMPRESSOR HEAT	YES
OUTDOOR FAN — TYPE	PROPELLER
DIA. (IN.) - NO. USED	19 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	1575
NO. MOTORS - HP.	1 - 1/15
MOTOR SPEED R.P.M.	825
VOLTS/PH/Hz	200/230/1/60
FL. AMPS	0.6
OUTDOOR COIL — TYPE	SPINE FIN™
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	9.72
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	R-22
(O.D. UNIT) NP CHR.G. ⑤	4/05-LB/OZ
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ⑥	5/8
LINE SIZE - IN. O.D. LIQ. ⑥	1/4
FCCV	
RESTRICTOR ORIFICE SIZE	0.049
DIMENSIONS	H X W X D
OUTDOOR UNIT CRATED (IN.)	30.1 X 26.7 X 30.2
UNCRATED	SEE OUTLINE DWG.
WEIGHT	
SHIPPING (LBS.)	168
NET (LBS.)	149

- 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	TXC025C4	TXC025D4	TXC030C4	TXC030D4
EXPANSION TYPE	CHG TO 49	CHG TO 49	CHG TO 49	CHG TO 49	CHG TO 49	CHG TO 49	CHG TO 49
RATINGS (COOLING) ①							
BTUH (TOTAL)	18900	19100	19200	18900	18900	19100	19100
BTUH (SENSIBLE)	14100	14200	14300	14100	14100	14200	14200
INDOOR AIRFLOW (CFM)	675	675	675	675	675	675	675
SYSTEM POWER (KW)	1.84	1.85	1.86	1.84	1.84	1.85	1.85
EER/SEER (BTU/WATT-HR.)	10.25/10.25	10.30/10.25	10.30/10.50	10.25/10.25	10.25/10.25	10.30/10.25	10.30/10.25
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	16800	16700	16900	16800	16800	16700	16700
SYSTEM POWER (KW)	1.56	1.56	1.53	1.56	1.56	1.56	1.56
COP	3.16	3.14	3.24	3.16	3.16	3.14	3.14
HSPF (BTU/WATT-HR.)	6.90	6.85	7.00	6.90	6.90	6.85	6.85

	TXC031C4	TXC031D4	TXH033A4
EXPANSION TYPE	CHG TO 49	CHG TO 49	CHG TO 49
RATINGS (COOLING) ①			
BTUH (TOTAL)	19200	19200	19400
BTUH (SENSIBLE)	14300	14300	14700
INDOOR AIRFLOW (CFM)	675	675	675
SYSTEM POWER (KW)	1.86	1.86	1.87
EER/SEER (BTU/WATT-HR.)	10.30/10.50	10.30/10.50	10.40/10.25
RATINGS (HEATING) ①			
(HIGH TEMP) BTUH	16900	16900	16900
SYSTEM POWER (KW)	1.53	1.53	1.54
COP	3.24	3.24	3.22
HSPF (BTU/WATT-HR.)	7.00	7.00	7.00

*See page 23 for combinations with Auxiliary Devices.



General Data

2TWR1018A1000A

OUTDOOR UNIT WITH AIR HANDLERS

	TVF018A14	TVF024A14	TVF025A14	TVF030A14	TWE018C14	TWE024C14	TWE030C14
EXPANSION TYPE	FACT INS 49	CHG TO 49	CHG TO 49	CHG TO 49	FACT INS 49	CHG TO 49	CHG TO 49
RATINGS (COOLING) ①							
BTUH (TOTAL)	19200	19300	19400	19600	18400	18200	18800
BTUH (SENSIBLE)	14100	14800	14900	14900	13300	13300	14000
INDOOR AIRFLOW (CFM)	600	675	675	675	600	675	675
SYSTEM POWER (KW)	1.78	1.86	1.82	1.87	1.70	1.81	1.85
EER/SEER (BTU/WATT-HR.)	10.80/10.50	10.40/10.00	10.65/10.25	10.50/10.00	10.80/10.00	10.05/10.00	10.15/10.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	16400	16800	16700	16900	16300	16400	16700
SYSTEM POWER (KW)	1.48	1.54	1.50	1.51	1.51	1.59	1.56
COP	3.24	3.20	3.26	3.28	3.16	3.02	3.14
HSPF (BTU/WATT-HR.)	7.15	7.05	7.15	7.10	6.90	6.80	7.00

	TWG018A14	TWG025A14	TWG030A14
EXPANSION TYPE	FACT INS 49	CHG TO 49	CHG TO 49
RATINGS (COOLING) ①			
BTUH (TOTAL)	18200	19000	18900
BTUH (SENSIBLE)	13400	14500	14300
INDOOR AIRFLOW (CFM)	600	675	675
SYSTEM POWER (KW)	1.75	1.81	1.83
EER/SEER (BTU/WATT-HR.)	10.40/10.00	10.50/10.00	10.30/10.00
RATINGS (HEATING) ①			
(HIGH TEMP.) BTUH	16100	16500	16600
SYSTEM POWER (KW)	1.55	1.54	1.56
COP	3.04	3.14	3.12
HSPF (BTU/WATT-HR.)	6.80	7.00	6.90

*See page 23 for combinations with Auxiliary Devices.



General Data

2TWR1024A1000A

OUTDOOR UNIT ^{①②}	2TWR1024A1000A
SOUND RATING (DECIBELS) ^②	77
POWER CONNS. — V/PH/Hz ^③	200/230/1/60
MIN. BRCH. CIR. AMPACITY	15
BR. CIR. } MAX. (AMPS)	25
PROT. RTG. } MIN. (AMPS)	20
COMPRESSOR	CLIMATUFF [®]
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/Hz	200/230/1/60
R.L. AMPS ^⑦ - L.R. AMPS	10.9 - 60
FACTORY INSTALLED	
START COMPONENTS ^⑧	NO
INSULATION/SOUND BLANKET	YES
COMPRESSOR HEAT	YES
OUTDOOR FAN — TYPE	PROPELLER
DIA. (IN.) - NO. USED	19 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ^④	2175
NO. MOTORS - HP	1 - 1/8
MOTOR SPEED R.P.M.	1075
VOLTS/PH/Hz	200/230/1/60
FL. AMPS	0.9
OUTDOOR COIL — TYPE	SPINE FIN [™]
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	9.72
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	R-22
(O.D. UNIT) NP CHR.G. ^⑤	4/08-LB/OZ
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ^⑥	3/4
LINE SIZE - IN. O.D. LIQ. ^⑥	5/16
FCCV	
RESTRICTOR ORIFICE SIZE	0.057
DIMENSIONS	H X W X D
OUTDOOR UNIT CRATED (IN.)	30.1 X 26.7 X 30.2
UNCRATED	SEE OUTLINE DWG.
WEIGHT	
SHIPPING (LBS.)	176
NET (LBS.)	156

- 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

	TXA024C4	TXA025C4	TXA030C4	TXA031C4	TXC024C4	TXC024D4	TXC025C4
EXPANSION TYPE	FACT INS 57	FACT INS 57	CHG TO 57	CHG TO 57	FACT INS 57	FACT INS 57	FACT INS 57
RATINGS (COOLING) ^①							
BTUH (TOTAL)	24400	25000	25600	25800	24400	24400	25000
BTUH (SENSIBLE)	17200	17800	18800	19000	17200	17200	17800
INDOOR AIRFLOW (CFM)	800	800	900	900	800	800	800
SYSTEM POWER (KW)	2.58	2.62	2.68	2.69	2.58	2.58	2.62
EER/SEER (BTU/WATT-HR.)	9.45/10.00	9.55/10.00	9.55/10.00	9.60/10.00	9.45/10.00	9.45/10.00	9.55/10.00
RATINGS (HEATING) ^①							
(HIGH TEMP) BTUH	22600	23000	23200	23400	22600	22600	23000
SYSTEM POWER (KW)	2.32	2.23	2.27	2.21	2.32	2.32	2.23
COP	2.86	3.02	3.00	3.10	2.86	2.86	3.02
HSPF (BTU/WATT-HR.)	7.15	7.40	7.40	7.55	7.15	7.15	7.40

	TXC025D4	TXC030C4	TXC030D4	TXC031C4	TXC031D4	TXC031E5	TXH025A4
EXPANSION TYPE	FACT INS 57	CHG TO 57	CHG TO 57	CHG TO 57	CHG TO 57	TXV-NB	FACT INS 57
RATINGS (COOLING) ^①							
BTUH (TOTAL)	25000	25600	25600	25800	25800	26400	24600
BTUH (SENSIBLE)	17800	18800	18800	19000	19000	19700	17400
INDOOR AIRFLOW (CFM)	800	900	900	900	900	900	800
SYSTEM POWER (KW)	2.62	2.68	2.68	2.69	2.69	2.67	2.60
EER/SEER (BTU/WATT-HR.)	9.55/10.00	9.55/10.00	9.55/10.00	9.60/10.00	9.60/10.00	9.90/11.00	9.45/10.00
RATINGS (HEATING) ^①							
(HIGH TEMP) BTUH	23000	23200	23200	23400	23400	23600	22600
SYSTEM POWER (KW)	2.23	2.27	2.27	2.21	2.21	2.20	2.30
COP	3.02	3.00	3.00	3.10	3.10	3.14	2.88
HSPF (BTU/WATT-HR.)	7.40	7.40	7.40	7.55	7.55	7.60	7.20

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



General Data

2TWR1024A1000A

OUTDOOR UNIT WITH HEAT PUMP COILS

	TXH033A4	TVF018A14	TVF024A14	TVF025A14	TWE018C14	TWE024C14
EXPANSION TYPE	FACT INS 57	CHG TO 57	CHG TO 57	CHG TO 57	CHG TO 57	CHG TO 57
RATINGS (COOLING) ①						
BTUH (TOTAL)	26000	25000	25400	25800	23800	24000
BTUH (SENSIBLE)	19700	17300	18200	18700	16100	16700
INDOOR AIRFLOW (CFM)	900	675	775	800	675	800
SYSTEM POWER (KW)	2.69	2.56	2.62	2.61	2.48	2.51
EER/SEER (BTU/WATT-HR.)	9.65/10.25	9.75/10.50	9.70/10.50	9.90/10.50	9.60/10.25	9.55/10.00
RATINGS (HEATING) ①						
(HIGH TEMP.) BTUH	23400	22600	23000	22800	21800	22800
SYSTEM POWER (KW)	2.21	2.22	2.22	2.17	2.28	2.29
COP	3.10	2.98	3.04	3.08	2.80	2.92
HSPF (BTU/WATT-HR.)	7.55	7.50	7.55	7.60	7.15	7.25

OUTDOOR UNIT WITH AIR HANDLERS

	TWE030C14	TWE036C14	TWG018A14	TWG025A14	TWG030A14	TWG036A14
EXPANSION TYPE	CHG TO 57	CHG TO 57	CHG TO 57	CHG TO 57	CHG TO 57	CHG TO 57
RATINGS (COOLING) ①						
BTUH (TOTAL)	25400	26000	23200	25200	25400	26000
BTUH (SENSIBLE)	18700	19500	16200	18300	19000	19400
INDOOR AIRFLOW (CFM)	900	900	675	800	900	900
SYSTEM POWER (KW)	2.63	2.68	2.46	2.56	2.65	2.68
EER/SEER (BTU/WATT-HR.)	9.65/10.25	9.70/10.50	9.45/10.25	9.85/10.50	9.60/10.25	9.70/10.50
RATINGS (HEATING) ①						
(HIGH TEMP.) BTUH	23000	23200	22000	22600	23000	23400
SYSTEM POWER (KW)	2.22	2.22	2.30	2.24	2.26	2.30
COP	3.04	3.06	2.80	2.96	2.98	2.98
HSPF (BTU/WATT-HR.)	7.50	7.55	7.20	7.40	7.40	7.40

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD060R9V3 +TXC031E5	TDD080R9V3 +TXC031E5	TDY060R9V3 +TXC031E5	TDY080R9V3 +TXC031E5	TUD060R9V3 +TXC031E5	TUD080R9V3 +TXC031E5	TUY060R9V3 +TXC031E5
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	26600	26400	25800	26000	26600	26400	25800
BTUH (SENSIBLE)	19200	18800	17900	18000	19400	19000	17900
INDOOR AIRFLOW (CFM)	800	770	700	700	825	800	700
SYSTEM POWER (KW)	2.46	2.43	2.40	2.41	2.49	2.47	2.42
EER/SEER (BTU/WATT-HR.)	10.80/11.50	10.85/11.50	10.75/11.50	10.80/11.50	10.70/11.50	10.70/11.50	10.65/11.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	22600	22600	22400	22400	22800	22800	22400
SYSTEM POWER (KW)	2.03	2.03	2.04	2.04	2.05	2.06	2.06
COP	3.26	3.26	3.22	3.22	3.26	3.24	3.18
HSPF (BTU/WATT-HR.)	8.00	8.00	7.85	7.90	7.90	7.90	7.80

	TUY080R9V3 +TXC031E5
EXPANSION TYPE	TXV-B
RATINGS (COOLING) ①	
BTUH (TOTAL)	25800
BTUH (SENSIBLE)	17900
INDOOR AIRFLOW (CFM)	700
SYSTEM POWER (KW)	2.40
EER/SEER (BTU/WATT-HR.)	10.75/11.50
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	22400
SYSTEM POWER (KW)	2.04
COP	3.22
HSPF (BTU/WATT-HR.)	7.85

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



General Data

2TWR1030A1000A

OUTDOOR UNIT ^{①②}	2TWR1030A1000A
SOUND RATING (DECIBELS) ^②	79
POWER CONNS. — V/PH/Hz ^③	200/230/1/60
MIN. BRCH. CIR. AMPACITY	18
BR. CIR. } MAX. (AMPS)	30
PROT. RTG. } MIN. (AMPS)	30
COMPRESSOR	CLIMATUFF [®]
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/Hz	200/230/1/60
R.L. AMPS ^⑦ - L.R. AMPS	13.6 - 73
FACTORY INSTALLED	
START COMPONENTS ^⑧	NO
INSULATION/SOUND BLANKET	YES
COMPRESSOR HEAT	YES
OUTDOOR FAN — TYPE	PROPELLER
DIA. (IN.) - NO. USED	19 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ^④	2475
NO. MOTORS - HP	1 - 1/4
MOTOR SPEED R.P.M.	1075
VOLTS/PH/Hz	200/230/1/60
FL. AMPS	1.3
OUTDOOR COIL — TYPE	SPINE FIN [™]
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	13.75
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	R-22
(O.D. UNIT) NP CHR.G. ^⑤	4/09-LB/OZ
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ^⑥	3/4
LINE SIZE - IN. O.D. LIQ. ^⑥	5/16
FCCV	
RESTRICTOR ORIFICE SIZE	0.069
DIMENSIONS	H X W X D
OUTDOOR UNIT CRATED (IN.)	33.2 X 26.7 X 30.2
UNCRATED	SEE OUTLINE DWG.
WEIGHT	
SHIPPING (LBS.)	187
NET (LBS.)	167

- 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

	TXA024C4	TXA025C4	TXA030C4	TXA031C4	TXA035C4	TXA036C4	TXA037C4
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)	29400	30000	31000	31200	31400	32400	32400
BTUH (SENSIBLE)	20200	20700	21900	22200	22900	23800	23800
INDOOR AIRFLOW (CFM)	900	900	1000	1000	1100	1125	1125
SYSTEM POWER (KW)	3.16	3.17	3.25	3.27	3.31	3.36	3.36
EER/SEER (BTU/WATT-HR.)	9.30/10.00	9.45/10.25	9.55/10.25	9.55/10.25	9.50/10.25	9.65/10.50	9.65/10.50
RATINGS (HEATING) ^①							
(HIGH TEMP) BTUH	28200	28600	28800	29200	29000	29600	29600
SYSTEM POWER (KW)	3.06	2.93	2.95	2.89	2.95	2.83	2.83
COP	2.70	2.86	2.86	2.96	2.88	3.06	3.06
HSPF (BTU/WATT-HR.)	7.15	7.40	7.35	7.55	7.40	7.65	7.65

	TXC024C4	TXC024D4	TXC025C4	TXC025D4	TXC030C4	TXC030D4	TXC031C4
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)	29400	29400	30000	30000	31000	31000	31200
BTUH (SENSIBLE)	20200	20200	20700	20700	21900	21900	22200
INDOOR AIRFLOW (CFM)	900	900	900	900	1000	1000	1000
SYSTEM POWER (KW)	3.16	3.16	3.17	3.17	3.25	3.25	3.27
EER/SEER (BTU/WATT-HR.)	9.30/10.00	9.30/10.00	9.45/10.25	9.45/10.25	9.55/10.25	9.55/10.25	9.55/10.25
RATINGS (HEATING) ^①							
(HIGH TEMP) BTUH	28200	28200	28600	28600	28800	28800	29200
SYSTEM POWER (KW)	3.06	3.06	2.93	2.93	2.95	2.95	2.89
COP	2.70	2.70	2.86	2.86	2.86	2.86	2.96
HSPF (BTU/WATT-HR.)	7.15	7.15	7.40	7.40	7.35	7.35	7.55

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



General Data

2TWR1030A1000A

OUTDOOR UNIT WITH HEAT PUMP COILS

	TXC031D4	TXC035C4	TXC035D4	TXC036C4	TXC036D4	TXC036E5	TXC037C4
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	TXV-B	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	31200	31400	31400	32400	32400	33600	32400
BTUH (SENSIBLE)	22200	22900	22900	23800	23800	24800	23800
INDOOR AIRFLOW (CFM)	1000	1100	1100	1125	1125	1125	1125
SYSTEM POWER (KW)	3.27	3.31	3.31	3.36	3.36	3.38	3.36
EER/SEER (BTU/WATT-HR.)	9.55/10.25	9.50/10.25	9.50/10.25	9.65/10.50	9.65/10.50	9.95/11.00	9.65/10.25
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	29200	29000	29000	29600	29600	29800	29600
SYSTEM POWER (KW)	2.89	2.95	2.95	2.83	2.83	2.80	2.83
COP	2.96	2.88	2.88	3.06	3.06	3.12	3.06
HSPF (BTU/WATT-HR.)	7.55	7.40	7.40	7.65	7.65	7.75	7.65

	TXC037E5	TXH025A4	TXH033A4	TXH041A4
EXPANSION TYPE	TXV-B	CHG TO 69	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①				
BTUH (TOTAL)	33600	29600	31000	33400
BTUH (SENSIBLE)	24900	20300	22600	24800
INDOOR AIRFLOW (CFM)	1125	900	1000	1125
SYSTEM POWER (KW)	3.38	3.17	3.25	3.39
EER/SEER (BTU/WATT-HR.)	9.95/11.00	9.35/10.00	9.55/10.25	9.85/10.50
RATINGS (HEATING) ①				
(HIGH TEMP.) BTUH	29800	28200	29200	29800
SYSTEM POWER (KW)	2.80	3.04	2.89	2.83
COP	3.12	2.72	2.96	3.08
HSPF (BTU/WATT-HR.)	7.75	7.15	7.50	7.70

OUTDOOR UNIT WITH AIR HANDLERS

	TVF025A14	TVF030A14	TVF036A14	TWE024C14	TWE030C14	TWE036C14	TWG025A14
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)	31000	32000	33200	29000	30400	32200	30000
BTUH (SENSIBLE)	21800	23300	24900	19700	21600	24100	21200
INDOOR AIRFLOW (CFM)	900	1000	1125	900	1000	1125	900
SYSTEM POWER (KW)	3.23	3.27	3.42	3.12	3.23	3.34	3.11
EER/SEER (BTU/WATT-HR.)	9.60/10.50	9.80/10.75	9.70/10.50	9.30/10.00	9.40/10.00	9.65/10.50	9.65/10.25
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	28800	29200	29800	27800	29400	29400	28000
SYSTEM POWER (KW)	2.91	2.83	2.85	3.02	2.93	2.91	2.93
COP	2.90	3.02	3.06	2.700	2.94	2.96	2.80
HSPF (BTU/WATT-HR.)	7.50	7.75	7.75	7.15	7.50	7.60	7.35

	TWG030A14	TWG036A14	TWG037A14
EXPANSION TYPE	FACT INS 69	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①			
BTUH (TOTAL)	30800	32000	31800
BTUH (SENSIBLE)	22200	23900	23800
INDOOR AIRFLOW (CFM)	1000	1125	1125
SYSTEM POWER (KW)	3.21	3.32	3.30
EER/SEER (BTU/WATT-HR.)	9.60/10.50	9.65/10.50	9.65/10.50
RATINGS (HEATING) ①			
(HIGH TEMP.) BTUH	28600	29200	29200
SYSTEM POWER (KW)	2.95	2.91	2.93
COP	2.84	2.94	2.92
HSPF (BTU/WATT-HR.)	7.40	7.55	7.55

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



General Data

2TWR1030A1000A

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD060R9V3 +TXC031E5	TDD060R9V3 +TXC036E5	TDD080R9V3 +TXC031E5	TDD080R9V3 +TXC036E5	TDY060R9V3 +TXC036E5	TDY080R9V3 +TXC031E5	TDY080R9V3 +TXC036E5
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	33000	33600	32600	33400	33000	32200	32800
BTUH (SENSIBLE)	23600	24100	22900	23500	22700	22100	22500
INDOOR AIRFLOW (CFM)	1000	1000	945	945	875	875	875
SYSTEM POWER (KW)	3.17	3.17	3.12	3.14	3.11	3.13	3.12
EER/SEER (BTU/WATT-HR.)	10.40/11.50	10.60/11.50	10.45/11.50	10.65/11.50	10.60/11.50	10.30/11.50	10.50/11.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	28800	29000	28600	28800	28600	28600	28800
SYSTEM POWER (KW)	2.72	2.66	2.70	2.64	2.65	2.76	2.69
COP	3.10	3.20	3.10	3.20	3.16	3.04	3.14
HSPF (BTU/WATT-HR.)	7.90	8.10	7.90	8.10	8.05	7.80	8.00

	TUD060R9V3 +TXC031E5	TUD060R9V3 +TXC036E5	TUD080R9V3 +TXC031E5	TUD080R9V3 +TXC036E5	TUY060R9V3 +TXC031E5	TUY060R9V3 +TXC036E5	TUY080R9V3 +TXC031E5
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	33000	33600	32800	33600	32200	32800	32200
BTUH (SENSIBLE)	23700	24200	23400	24100	22100	22500	22000
INDOOR AIRFLOW (CFM)	1025	1020	1000	1000	875	875	860
SYSTEM POWER (KW)	3.22	3.22	3.15	3.17	3.11	3.11	3.10
EER/SEER (BTU/WATT-HR.)	10.25/11.50	10.45/11.50	10.40/11.50	10.60/11.50	10.35/11.50	10.55/11.50	10.40/11.50
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	29000	29200	28800	29000	28400	28800	28400
SYSTEM POWER (KW)	2.76	2.71	2.72	2.66	2.72	2.69	2.72
COP	3.08	3.16	3.10	3.20	3.06	3.14	3.06
HSPF (BTU/WATT-HR.)	7.85	8.05	7.90	8.10	7.80	8.00	7.80

	TUY080R9V3 +TXC036E5
EXPANSION TYPE	TXV-B
RATINGS (COOLING) ①	
BTUH (TOTAL)	32800
BTUH (SENSIBLE)	22400
INDOOR AIRFLOW (CFM)	860
SYSTEM POWER (KW)	3.09
EER/SEER (BTU/WATT-HR.)	10.60/11.50
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	28600
SYSTEM POWER (KW)	2.67
COP	3.14
HSPF (BTU/WATT-HR.)	8.00

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



General Data

2TWR1036A1000A

OUTDOOR UNIT ①②	2TWR1036A1000A
SOUND RATING (DECIBELS) ②	79
POWER CONNS. — V/PH/Hz ③	200/230/1/60
MIN. BRCH. CIR. AMPACITY	21
BR. CIR. } MAX. (AMPS)	35
PROT. RTG. } MIN. (AMPS)	30
COMPRESSOR	CLIMATUFF®
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/Hz	200/230/1/60
R.L. AMPS ⑦ - L.R. AMPS	15.8 - 91
FACTORY INSTALLED	
START COMPONENTS ⑧	NO
INSULATION/SOUND BLANKET	YES
COMPRESSOR HEAT	YES
OUTDOOR FAN — TYPE	PROPELLER
DIA. (IN.) - NO. USED	19 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	2475
NO. MOTORS - HP	1 - 1/4
MOTOR SPEED R.P.M.	1075
VOLTS/PH/Hz	200/230/1/60
FL. AMPS	1.3
OUTDOOR COIL — TYPE	SPINE FIN™
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	11.32
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	R-22
(O.D. UNIT) NP CHR. G. ⑤	5/12-LB/OZ
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ⑥	7/8
LINE SIZE - IN. O.D. LIQ. ⑥	3/8
FCCV	
RESTRICTOR ORIFICE SIZE	0.069
DIMENSIONS	H X W X D
OUTDOOR UNIT CRATED (IN.)	33.2 X 26.7 X 30.2
UNCRATED	SEE OUTLINE DWG.
WEIGHT	
SHIPPING (LBS.)	190
NET (LBS.)	170

- 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	TXA043C4	TXC031C4	TXC031D4
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)	34800	36200	36200	36400	37000	34800	34800
BTUH (SENSIBLE)	24600	26100	26100	26200	27700	24600	24600
INDOOR AIRFLOW (CFM)	1100	1200	1200	1200	1350	1100	1100
SYSTEM POWER (KW)	3.74	3.87	3.87	3.87	3.96	3.74	3.74
EER/SEER (BTU/WATT-HR.)	9.30/10.00	9.35/10.00	9.35/10.00	9.40/10.00	9.35/10.00	9.30/10.00	9.30/10.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	33200	33600	33600	33800	34200	33200	33200
SYSTEM POWER (KW)	3.33	3.26	3.26	3.26	3.25	3.33	3.33
COP	2.92	3.02	3.02	3.04	3.08	2.92	2.92
HSPF (BTU/WATT-HR.)	6.85	7.00	7.00	7.00	7.00	6.85	6.85

	TXC031E5	TXC036C4	TXC036D4	TXC037C4	TXC042C4	TXC043C4	TXH033A4
EXPANSION TYPE	TXV-B	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①							
BTUH (TOTAL)	36000	36200	36200	36200	36400	37000	34600
BTUH (SENSIBLE)	25600	26100	26100	26100	26200	27700	25400
INDOOR AIRFLOW (CFM)	1110	1200	1200	1200	1200	1350	1125
SYSTEM POWER (KW)	3.79	3.87	3.87	3.87	3.87	3.96	3.74
EER/SEER (BTU/WATT-HR.)	9.50/10.50	9.35/10.00	9.35/10.00	9.35/10.00	9.40/10.00	9.35/10.00	9.25/10.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	33400	33600	33600	33600	33800	34200	33200
SYSTEM POWER (KW)	3.28	3.26	3.26	3.26	3.26	3.25	3.33
COP	2.98	3.02	3.02	3.02	3.04	3.08	2.92
HSPF (BTU/WATT-HR.)	7.00	7.00	7.00	7.00	7.00	7.00	6.85

*See page 24 for combinations with Auxiliary Devices.



General Data

2TWR1036A1000A

OUTDOOR UNIT WITH HEAT PUMP COILS		OUTDOOR UNIT WITH AIR HANDLERS				
	TXH041A4	TVF030A14	TVF036A14	TWE030C14	TWE036C14	TWE042C14
EXPANSION TYPE	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①						
BTUH (TOTAL)	37600	35600	36800	33400	35000	37000
BTUH (SENSIBLE)	28700	26000	27200	22600	25600	28200
INDOOR AIRFLOW (CFM)	1350	1125	1200	945	1200	1350
SYSTEM POWER (KW)	4.00	3.83	3.94	3.57	3.87	3.98
EER/SEER (BTU/WATT-HR.)	9.40/10.25	9.30/10.25	9.35/10.25	9.35/10.25	9.05/10.00	9.30/10.25
RATINGS (HEATING) ①						
(HIGH TEMP.) BTUH	34200	33400	33800	32200	33800	34000
SYSTEM POWER (KW)	3.25	3.31	3.28	3.39	3.32	3.32
COP	3.08	2.96	3.02	2.78	2.98	3.00
HSPF (BTU/WATT-HR.)	7.05	7.00	7.10	6.80	7.00	7.05

OUTDOOR UNIT WITH AIR HANDLERS

	TWE048C14	TWG030A14	TWG036A14	TWG037A14	TWG042A14	TWG048A14
EXPANSION TYPE	CHG TO 69	FACT INS 69	CHG TO 69	CHG TO 69	CHG TO 69	CHG TO 69
RATINGS (COOLING) ①						
BTUH (TOTAL)	37800	34400	35000	35400	35800	37800
BTUH (SENSIBLE)	28800	24600	25300	26000	26700	28700
INDOOR AIRFLOW (CFM)	1350	1100	1150	1200	1340	1350
SYSTEM POWER (KW)	4.04	3.70	3.85	3.77	3.85	3.96
EER/SEER (BTU/WATT-HR.)	9.35/10.25	9.30/10.25	9.10/10.00	9.40/10.25	9.30/10.25	9.55/10.50
RATINGS (HEATING) ①						
(HIGH TEMP.) BTUH	34200	32400	33200	33000	33400	34000
SYSTEM POWER (KW)	3.30	3.44	3.45	3.36	3.31	3.23
COP	3.04	2.76	2.82	2.88	2.96	3.08
HSPF (BTU/WATT-HR.)	7.10	6.80	6.80	6.85	7.00	7.15

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD060R9V3 +TXC031E5	TDD080R9V3 +TXC031E5	TDY060R9V3 +TXC031E5	TDY080R9V3 +TXC031E5	TUD060R9V3 +TXC031E5	TUD080R9V3 +TXC031E5	TUY060R9V3 +TXC031E5
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	36600	36400	36200	35800	36400	36600	36000
BTUH (SENSIBLE)	26800	26000	25600	25000	26600	26700	25200
INDOOR AIRFLOW (CFM)	1200	1120	1090	1050	1200	1200	1050
SYSTEM POWER (KW)	3.75	3.68	3.68	3.69	3.77	3.77	3.65
EER/SEER (BTU/WATT-HR.)	9.75/11.00	9.90/11.25	9.85/11.00	9.70/11.00	9.65/11.00	9.70/11.00	9.85/11.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	33400	33000	33000	33000	33400	33400	32800
SYSTEM POWER (KW)	3.22	3.18	3.20	3.24	3.24	3.24	3.20
COP	3.04	3.04	3.02	2.98	3.02	3.02	3.00
HSPF (BTU/WATT-HR.)	7.10	7.15	7.10	7.05	7.10	7.10	7.10

	TUY080R9V3 +TXC031E5
EXPANSION TYPE	TXV-B
RATINGS (COOLING) ①	
BTUH (TOTAL)	36000
BTUH (SENSIBLE)	25200
INDOOR AIRFLOW (CFM)	1040
SYSTEM POWER (KW)	3.64
EER/SEER (BTU/WATT-HR.)	9.90/11.25
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	32800
SYSTEM POWER (KW)	3.18
COP	3.02
HSPF (BTU/WATT-HR.)	7.10

*See page 24 for combinations with Auxiliary Devices.



General Data

2TWR1042A1000A

OUTDOOR UNIT ^{①②}	2TWR1042A1000A
SOUND RATING (DECIBELS) ^②	79
POWER CONNS. — V/PH/Hz ^③	200/230/1/60
MIN. BRCH. CIR. AMPACITY	23
BR. CIR. } MAX. (AMPS)	40
PROT. RTG. } MIN. (AMPS)	40
COMPRESSOR	CLIMATUFF [®]
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/Hz	200/230/1/60
R.L. AMPS ^⑦ - L.R. AMPS	17.6 - 102
FACTORY INSTALLED	
START COMPONENTS ^⑧	NO
INSULATION/SOUND BLANKET	YES
COMPRESSOR HEAT	YES
OUTDOOR FAN — TYPE	PROPELLER
DIA. (IN.) - NO. USED	23 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ^④	3325
NO. MOTORS - HP	1 - 1/6
MOTOR SPEED R.P.M.	825
VOLTS/PH/Hz	200/230/1/60
FL. AMPS	1.4
OUTDOOR COIL — TYPE	SPINE FIN [™]
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	15.18
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	R-22
(O.D. UNIT) NP CHR. ^⑤	6/08-LB/OZ
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ^⑥	7/8
LINE SIZE - IN. O.D. LIQ. ^⑥	3/8
FCCV	
RESTRICTOR ORIFICE SIZE	0.077
DIMENSIONS	H X W X D
OUTDOOR UNIT CRATED (IN.)	38 X 30.1 X 33.8
UNCRATED	SEE OUTLINE DWG.
WEIGHT	
SHIPPING (LBS.)	253
NET (LBS.)	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

	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)	37800	40000	41000	40500	41500	42000	43000
BTUH (SENSIBLE)	25700	27700	29400	28000	30100	30100	32400
INDOOR AIRFLOW (CFM)	1100	1200	1350	1200	1400	1350	1575
SYSTEM POWER (KW)	3.90	4.00	4.12	4.03	4.15	4.16	4.28
EER/SEER (BTU/WATT-HR.)	9.70/10.00	10.00/10.25	9.95/10.25	10.05/10.25	10.00/10.25	10.10/10.50	10.05/10.50
RATINGS (HEATING) ^①							
(HIGH TEMP.) BTUH	37800	39500	40000	39500	40000	40000	41000
SYSTEM POWER (KW)	3.87	3.71	3.73	3.69	3.66	3.60	3.64
COP	2.86	3.12	3.14	3.14	3.20	3.26	3.30
HSPF (BTU/WATT-HR.)	7.30	7.70	7.80	7.80	7.85	8.00	8.00

	TXA050C4	TXC035C4	TXC035D4	TXC036C4	TXC036D4	TXC036E5	TXC037C4
EXPANSION TYPE	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	TXV-NB	CHG TO 77
RATINGS (COOLING) ^①							
BTUH (TOTAL)	43000	37800	37800	40000	40000	42000	41000
BTUH (SENSIBLE)	32400	25700	25700	27700	27700	29800	29400
INDOOR AIRFLOW (CFM)	1575	1100	1100	1200	1200	1280	1350
SYSTEM POWER (KW)	4.28	3.90	3.90	4.00	4.00	4.10	4.12
EER/SEER (BTU/WATT-HR.)	10.05/10.50	9.70/10.00	9.70/10.00	10.00/10.25	10.00/10.25	10.25/11.00	9.95/10.25
RATINGS (HEATING) ^①							
(HIGH TEMP.) BTUH	41000	37800	37800	39500	39500	40000	40000
SYSTEM POWER (KW)	3.64	3.87	3.87	3.71	3.71	3.62	3.73
COP	3.30	2.86	2.86	3.12	3.12	3.24	3.14
HSPF (BTU/WATT-HR.)	7.95	7.30	7.30	7.70	7.70	7.90	7.80

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



General Data

2TWR1042A1000A

OUTDOOR UNIT WITH HEAT PUMP COILS

	TXC037E5	TXC042C4	TXC043C4	TXC048C4	TXC049C4	TXC050C4	TXC054E5
EXPANSION TYPE	TXV-B	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	42500	40500	41500	42000	43000	43000	43000
BTUH (SENSIBLE)	30800	28000	30100	30100	32400	32400	32300
INDOOR AIRFLOW (CFM)	1350	1200	1400	1350	1575	1575	1575
SYSTEM POWER (KW)	4.15	4.03	4.15	4.16	4.28	4.28	4.26
EER/SEER (BTU/WATT-HR.)	10.25/11.00	10.05/10.25	10.00/10.25	10.10/10.50	10.05/10.25	10.05/10.50	10.10/11.00
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	40000	39500	40000	40000	41000	41000	41000
SYSTEM POWER (KW)	3.60	3.69	3.66	3.60	3.64	3.64	3.60
COP	3.26	3.14	3.20	3.26	3.30	3.30	3.34
HSPF (BTU/WATT-HR.)	7.95	7.80	7.85	8.00	8.00	8.00	8.05

	TXH041A4	TXH054A4
EXPANSION TYPE	CHG TO 77	CHG TO 77
RATINGS (COOLING) ①		
BTUH (TOTAL)	42500	45000
BTUH (SENSIBLE)	31200	34900
INDOOR AIRFLOW (CFM)	1400	1575
SYSTEM POWER (KW)	4.19	4.37
EER/SEER (BTU/WATT-HR.)	10.15/10.50	10.30/10.50
RATINGS (HEATING) ①		
(HIGH TEMP) BTUH	40000	41000
SYSTEM POWER (KW)	3.66	3.55
COP	3.20	3.38
HSPF (BTU/WATT-HR.)	7.85	8.10

OUTDOOR UNIT WITH AIR HANDLERS

	TVF036A14	TWE036C14	TWE042C14	TWE048C14	TWE060C/D15	TWG036A14	TWG037A14
EXPANSION TYPE	CHG TO 77	CHG TO 77	CHG TO 77	CHG TO 77	TXV-B	CHG TO 77	CHG TO 77
RATINGS (COOLING) ①							
BTUH (TOTAL)	41500	40500	42000	43500	43500	38500	39000
BTUH (SENSIBLE)	30500	29600	30900	33200	32800	26800	28100
INDOOR AIRFLOW (CFM)	1350	1350	1400	1575	1575	1150	1275
SYSTEM POWER (KW)	4.26	4.13	4.31	4.35	4.46	3.99	3.98
EER/SEER (BTU/WATT-HR.)	9.75/10.25	9.80/10.25	9.75/10.00	10.00/10.50	9.75/10.50	9.65/10.00	9.80/10.25
RATINGS (HEATING) ①							
(HIGH TEMP) BTUH	40500	39500	40500	40500	41500	38500	38500
SYSTEM POWER (KW)	3.78	3.83	3.73	3.69	3.80	3.92	3.84
COP	3.14	3.02	3.18	3.22	3.20	2.88	2.94
HSPF (BTU/WATT-HR.)	7.80	7.60	7.75	8.00	7.85	7.35	7.50

	TWG042A14	TWG048A14	TWG060A15
EXPANSION TYPE	CHG TO 77	CHG TO 77	TXV-B
RATINGS (COOLING) ①			
BTUH (TOTAL)	40000	43000	43500
BTUH (SENSIBLE)	28900	32900	32800
INDOOR AIRFLOW (CFM)	1400	1575	1575
SYSTEM POWER (KW)	4.04	4.24	4.35
EER/SEER (BTU/WATT-HR.)	9.90/10.25	10.15/10.50	10.00/10.75
RATINGS (HEATING) ①			
(HIGH TEMP) BTUH	39500	40500	41500
SYSTEM POWER (KW)	3.78	3.69	3.80
COP	3.06	3.22	3.20
HSPF (BTU/WATT-HR.)	7.70	8.00	7.85

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



General Data

2TWR1042A1000A

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD080R9V3 +TXC036E5	TDD100R9V5 +TXC037E5	TDD100R9V5 +TXC054E5	TDY100R9V4 +TXC037E5	TDY100R9V4 +TXC054E5	TUD080R9V3 +TXC036E5	TUD100R9V5 +TXC037E5
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	42500	43000	42500	42000	42000	42500	43000
BTUH (SENSIBLE)	30700	31500	30800	29500	29300	31100	31600
INDOOR AIRFLOW (CFM)	1330	1390	1390	1225	1230	1400	1400
SYSTEM POWER (KW)	4.07	4.04	4.01	4.00	3.98	4.17	4.13
EER/SEER (BTU/WATT-HR.)	10.45/11.25	10.65/11.50	10.60/11.50	10.50/11.25	10.55/11.25	10.20/11.00	10.40/11.25
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	40000	40000	40000	39500	39500	40500	40000
SYSTEM POWER (KW)	3.60	3.53	3.49	3.57	3.51	3.69	3.57
COP	3.26	3.32	3.36	3.24	3.30	3.22	3.28
HSPF (BTU/WATT-HR.)	8.00	8.10	8.20	8.00	8.10	8.00	8.05

	TUD100R9V5 +TXC054E5	TUY080R9V3 +TXC036E5	TUY100R9V4 +TXC037E5	TUY100R9V4 +TXC054E5
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B
RATINGS (COOLING) ①				
BTUH (TOTAL)	42500	42000	42000	42000
BTUH (SENSIBLE)	30800	29500	29400	29200
INDOOR AIRFLOW (CFM)	1400	1225	1200	1200
SYSTEM POWER (KW)	4.09	4.02	3.91	3.93
EER/SEER (BTU/WATT-HR.)	10.40/11.25	10.45/11.25	10.75/11.50	10.70/11.50
RATINGS (HEATING) ①				
(HIGH TEMP.) BTUH	40000	39500	39000	39500
SYSTEM POWER (KW)	3.51	3.57	3.48	3.49
COP	3.34	3.24	3.28	3.32
HSPF (BTU/WATT-HR.)	8.15	8.00	8.10	8.15

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



General Data

2TWR1048A1000A

OUTDOOR UNIT ^{①②}	2TWR1048A1000A
SOUND RATING (DECIBELS) ^②	80
POWER CONNS. — V/PH/Hz ^③	200/230/1/60
MIN. BRCH. CIR. AMPACITY	30
BR. CIR. } MAX. (AMPS)	50
PROT. RTG. } MIN. (AMPS)	50
COMPRESSOR	CLIMATUFF [®]
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/Hz	200/230/1/60
R.L. AMPS ^⑦ - L.R. AMPS	22.4 - 119
FACTORY INSTALLED	
START COMPONENTS ^⑧	NO
INSULATION/SOUND BLANKET	YES
COMPRESSOR HEAT	YES
OUTDOOR FAN — TYPE	PROPELLER
DIA. (IN.) - NO. USED	23 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ^④	3700
NO. MOTORS - HP	1 - 1/4
MOTOR SPEED R.P.M.	825
VOLTS/PH/Hz	200/230/1/60
FL. AMPS	1.9
OUTDOOR COIL — TYPE	SPINE FIN [™]
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	15.18
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	R-22
(O.D. UNIT) NP CHR.G. ^⑤	8/06-LB/OZ
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ^⑥	1-1/8
LINE SIZE - IN. O.D. LIQ. ^⑥	3/8
FCCV	
RESTRICTOR ORIFICE SIZE	0.083
DIMENSIONS	H X W X D
OUTDOOR UNIT CRATED (IN.)	38 X 30.1 X 33.8
UNCRATED	SEE OUTLINE DWG.
WEIGHT	
SHIPPING (LBS.)	259
NET (LBS.)	231

- 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	TXC042C4	TXC043C4
EXPANSION TYPE	CHG TO 83	CHG TO 83	FACT INS 83	FACT INS 83	FACT INS 83	CHG TO 83	CHG TO 83
RATINGS (COOLING) ^①							
BTUH (TOTAL)	44000	46500	46000	47000	47000	44000	46500
BTUH (SENSIBLE)	29400	33700	31900	34300	34300	29400	33700
INDOOR AIRFLOW (CFM)	1200	1575	1350	1600	1600	1200	1575
SYSTEM POWER (KW)	4.56	4.84	4.72	4.85	4.85	4.56	4.84
EER/SEER (BTU/WATT-HR.)	9.65/10.00	9.60/10.00	9.75/10.25	9.70/10.00	9.70/10.00	9.65/10.00	9.60/10.00
RATINGS (HEATING) ^①							
(HIGH TEMP) BTUH	43500	44500	44000	45000	45000	43500	44500
SYSTEM POWER (KW)	4.14	4.10	4.05	4.07	4.07	4.14	4.10
COP	3.08	3.18	3.18	3.24	3.24	3.08	3.18
HSPF (BTU/WATT-HR.)	7.40	7.40	7.40	7.50	7.50	7.40	7.40

	TXC048C4	TXC049C4	TXC050C4	TXC054E5	TXH041A4	TXH054A4
EXPANSION TYPE	FACT INS 83	FACT INS 83	FACT INS 83	TXV-B	CHG TO 83	FACT INS 83
RATINGS (COOLING) ^①						
BTUH (TOTAL)	46000	47000	47000	48000	47500	50000
BTUH (SENSIBLE)	31900	34300	34300	35600	34900	38200
INDOOR AIRFLOW (CFM)	1350	1600	1600	1700	1575	1700
SYSTEM POWER (KW)	4.72	4.85	4.85	4.95	4.87	5.03
EER/SEER (BTU/WATT-HR.)	9.75/10.25	9.70/10.00	9.70/10.00	9.70/10.50	9.75/10.25	9.95/10.50
RATINGS (HEATING) ^①						
(HIGH TEMP) BTUH	44000	45000	45000	45500	44500	45500
SYSTEM POWER (KW)	4.05	4.07	4.07	4.04	4.10	3.99
COP	3.18	3.24	3.24	3.30	3.18	3.34
HSPF (BTU/WATT-HR.)	7.40	7.50	7.50	7.60	7.40	7.65

*See page 26 for combinations with Auxiliary Devices.



General Data

2TWR1048A1000A

OUTDOOR UNIT WITH AIR HANDLERS

	TWE042C14	TWE048C14	TWE060C/D15	TWG042A14	TWG048A14	TWG060A15
EXPANSION TYPE	CHG TO 83	FACT INS 83	TXV-B	CHG TO 83	FACT INS 83	TXV-B
RATINGS (COOLING) ①						
BTUH (TOTAL)	46500	47500	48500	44000	47500	49000
BTUH (SENSIBLE)	34200	35000	36800	31300	35000	37200
INDOOR AIRFLOW (CFM)	1575	1600	1800	1500	1600	1800
SYSTEM POWER (KW)	4.92	4.92	5.19	4.71	4.92	5.13
EER/SEER (BTU/WATT-HR.)	9.45/10.00	9.65/10.00	9.35/10.25	9.35/10.00	9.65/10.25	9.55/10.50
RATINGS (HEATING) ①						
(HIGH TEMP.) BTUH	44500	45500	46500	43500	44500	46000
SYSTEM POWER (KW)	4.26	4.11	4.28	4.28	4.15	4.19
COP	3.06	3.24	3.18	2.98	3.14	3.22
HSPF (BTU/WATT-HR.)	7.25	7.40	7.50	7.30	7.40	7.50

OUTDOOR UNIT WITH FURNACES AND COILS

	TDD100R9V5 +TXC037E5	TDD100R9V5 +TXC054E5	TDY100R9V4 +TXC037E5	TDY100R9V4 +TXC054E5	TUD100R9V5 +TXC037E5	TUD100R9V5 +TXC054E5	TUY100R9V4 +TXC037E5
EXPANSION TYPE	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B	TXV-B
RATINGS (COOLING) ①							
BTUH (TOTAL)	48000	48000	47500	47000	48500	48000	47500
BTUH (SENSIBLE)	35600	35100	33900	33200	36300	35500	33800
INDOOR AIRFLOW (CFM)	1620	1620	1450	1450	1670	1670	1430
SYSTEM POWER (KW)	4.82	4.82	4.82	4.80	4.90	4.92	4.77
EER/SEER (BTU/WATT-HR.)	9.95/11.00	9.95/11.00	9.85/11.00	9.80/11.00	9.90/11.00	9.75/11.00	9.95/11.00
RATINGS (HEATING) ①							
(HIGH TEMP.) BTUH	45000	45000	44500	44500	45000	45500	44000
SYSTEM POWER (KW)	4.04	4.00	4.10	4.02	4.07	4.06	4.03
COP	3.26	3.30	3.18	3.24	3.24	3.28	3.20
HSPF (BTU/WATT-HR.)	7.55	7.65	7.50	7.50	7.55	7.60	7.50

TUY100R9V4 +TXC054E5

	TXV-B
EXPANSION TYPE	TXV-B
RATINGS (COOLING) ①	
BTUH (TOTAL)	47000
BTUH (SENSIBLE)	33000
INDOOR AIRFLOW (CFM)	1430
SYSTEM POWER (KW)	4.72
EER/SEER (BTU/WATT-HR.)	9.95/11.00
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	44500
SYSTEM POWER (KW)	4.02
COP	3.24
HSPF (BTU/WATT-HR.)	7.55

*See page 26 for combinations with Auxiliary Devices.



General Data

2TWR1060A1000A

OUTDOOR UNIT ^{①②}	2TWR1060A1000A
SOUND RATING (DECIBELS) ^②	81
POWER CONNS. — V/PH/Hz ^③	200/230/1/60
MIN. BRCH. CIR. AMPACITY	34
BR. CIR. } MAX. (AMPS)	50
PROT. RTG. } MIN. (AMPS)	50
COMPRESSOR	CLIMATUFF [®]
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/Hz	200/230/1/60
R.L. AMPS ^⑦ - L.R. AMPS	25.9 - 141
FACTORY INSTALLED	
START COMPONENTS ^⑧	NO
INSULATION/SOUND BLANKET	YES
COMPRESSOR HEAT	YES
OUTDOOR FAN — TYPE	PROPELLER
DIA. (IN.) - NO. USED	27.6 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ^④	4400
NO. MOTORS - HP	1 - 1/6
MOTOR SPEED R.P.M.	825
VOLTS/PH/Hz	200/230/1/60
FL. AMPS	1.4
OUTDOOR COIL — TYPE	SPINE FIN [™]
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	21.99
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	R-22
(O.D. UNIT) NP CHR.G. ^⑤	9/08-LB/OZ
FACTORY SUPPLIED	YES
LINE SIZE - IN. O.D. GAS ^⑥	1-1/8
LINE SIZE - IN. O.D. LIQ. ^⑥	3/8
FCCV	
RESTRICTOR ORIFICE SIZE	0.095
DIMENSIONS	H X W X D
OUTDOOR UNIT CRATED (IN.)	38.4 X 35.1 X 38.7
UNCRATED	SEE OUTLINE DWG.
WEIGHT	
SHIPPING (LBS.)	292
NET (LBS.)	259

- 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

	TXA043C4	TXA048C4	TXA049C4	TXA050C4	TXA060C5	TXA061C5	TXC043C4
EXPANSION TYPE	CHG TO 95	CHG TO 95	CHG TO 95	CHG TO 95	TXV-B	TXV-B	CHG TO 95
RATINGS (COOLING) ^①							
BTUH (TOTAL)	55000	54000	56500	56500	58000	59500	55000
BTUH (SENSIBLE)	37400	35400	39100	39100	39700	41900	37400
INDOOR AIRFLOW (CFM)	1575	1350	1675	1675	1700	1800	1575
SYSTEM POWER (KW)	5.85	5.74	5.95	5.95	6.01	6.10	5.85
EER/SEER (BTU/WATT-HR.)	9.40/10.00	9.40/10.00	9.50/10.00	9.50/10.00	9.65/10.50	9.75/10.50	9.40/10.00
RATINGS (HEATING) ^①							
(HIGH TEMP) BTUH	53500	53000	54500	54500	55000	55000	53500
SYSTEM POWER (KW)	5.30	5.25	5.22	5.22	5.17	5.13	5.30
COP	2.96	2.96	3.06	3.06	3.12	3.14	2.96
HSPF (BTU/WATT-HR.)	7.55	7.55	7.60	7.60	7.65	7.70	7.55

	TXC048C4	TXC049C4	TXC050C4	TXC054E5	TXC060C5	TXC061C5	TXH041A4
EXPANSION TYPE	CHG TO 95	CHG TO 95	CHG TO 95	TXV-B	TXV-B	TXV-B	CHG TO 95
RATINGS (COOLING) ^①							
BTUH (TOTAL)	54000	56500	56500	57500	58000	59500	56500
BTUH (SENSIBLE)	35400	39100	39100	39800	39700	41900	38800
INDOOR AIRFLOW (CFM)	1350	1675	1675	1700	1700	1800	1575
SYSTEM POWER (KW)	5.74	5.95	5.95	6.02	6.01	6.10	5.92
EER/SEER (BTU/WATT-HR.)	9.40/10.00	9.50/10.00	9.50/10.00	9.55/10.25	9.65/10.50	9.75/10.50	9.55/10.25
RATINGS (HEATING) ^①							
(HIGH TEMP) BTUH	53000	54500	54500	55000	55000	55000	53500
SYSTEM POWER (KW)	5.25	5.22	5.22	5.17	5.17	5.13	5.26
COP	2.96	3.06	3.06	3.12	3.12	3.14	2.98
HSPF (BTU/WATT-HR.)	7.55	7.60	7.60	7.65	7.65	7.70	7.55

¹See pages 26 and 27 for combinations with Auxiliary Devices.



General Data

2TWR1060A1000A

OUTDOOR UNIT WITH HEAT PUMP COILS

TXH054A4	
EXPANSION TYPE	CHG TO 95
RATINGS (COOLING) ①	
BTUH (TOTAL)	60500
BTUH (SENSIBLE)	42700
INDOOR AIRFLOW (CFM)	1700
SYSTEM POWER (KW)	6.11
EER/SEER (BTU/WATT-HR.)	9.90/10.50
RATINGS (HEATING) ①	
(HIGH TEMP.) BTUH	55000
SYSTEM POWER (KW)	5.13
COP	3.14
HSPF (BTU/WATT-HR.)	7.75

OUTDOOR UNIT WITH AIR HANDLERS

	TWE042C14	TWE048C14	TWE060C/D15	TWG048A14	TWG060A15
EXPANSION TYPE	CHG TO 95	CHG TO 95	TXV-B	CHG TO 95	TXV-B
RATINGS (COOLING) ①					
BTUH (TOTAL)	55000	58500	59000	56500	60000
BTUH (SENSIBLE)	37800	41600	42500	39100	43600
INDOOR AIRFLOW (CFM)	1575	1800	1945	1625	2000
SYSTEM POWER (KW)	5.91	6.19	6.38	5.95	6.38
EER/SEER (BTU/WATT-HR.)	9.30/10.00	9.45/10.25	9.25/10.00	9.50/10.25	9.40/10.25
RATINGS (HEATING) ①					
(HIGH TEMP.) BTUH	53000	55000	57000	53500	56000
SYSTEM POWER (KW)	5.47	5.37	5.39	5.33	5.33
COP	2.84	3.00	3.10	2.94	3.08
HSPF (BTU/WATT-HR.)	7.35	7.50	7.55	7.50	7.65

*See pages 26 and 27 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
2TWR1018A10	N	TDD060R9V3 +TXH025A4	FI	NB	600	11.50	18600	15800	7.00	3.20
2TWR1018A10	N	TDY060R9V3 +TXH025A4	FI	NB	535	11.50	18200	15600	6.90	3.14
2TWR1018A10	N	TUD060R9V3 +TXH025A4	FI	NB	600	11.50	18600	15800	7.00	3.20
2TWR1018A10	N	TUY060R9V3 +TXH025A4	FI	NB	580	11.50	18500	15800	6.90	3.14
2TWR1018A10	N	TVF018A14	FI	B	600	11.00	19100	16400	7.10	3.24
2TWR1018A10	N	TVF024A14	FI	B	675	10.50	19200	16800	7.05	3.20
2TWR1018A10	N	TVF025A14	FI	B	675	11.00	19300	16700	7.15	3.26
2TWR1018A10	N	TVF030A14	FI	B	675	11.00	19500	16900	7.10	3.28
2TWR1018A10	N	TWE018C14	FI	B	600	11.00	18200	16300	6.90	3.16
2TWR1018A10 *	N	TWE018P13	N	NO	600	11.00	19000	16500	7.00	3.20
2TWR1018A10 *	N	TWE024P13	N	NO	675	11.00	19400	16600	7.05	3.28
2TWR1018A10 *	N	TWE030P13	N	NO	675	11.00	19300	16700	7.00	3.22
2TWR1018A10 *	N	TWE031E13	FI	NO	645	11.50	19600	16300	7.35	3.40
2TWR1018A10	N	TWG018A14	FI	B	600	10.50	18100	16100	6.80	3.04
2TWR1018A10	N	TWG025A14	FI	B	675	10.75	18900	16500	7.00	3.14
2TWR1018A10	N	TWG030A14	FI	B	675	10.50	18700	16600	6.90	3.12
2TWR1018A10	N	TXA024C4	Y	B	675	10.50	18300	16500	6.85	3.04
2TWR1018A10	N	TXA025C4	Y	B	675	10.75	18700	16800	7.05	3.16
2TWR1018A10	N	TXA030C4	Y	B	675	11.00	18900	16700	7.00	3.14
2TWR1018A10	N	TXA031C4	Y	B	675	11.00	19000	16900	7.10	3.24
2TWR1018A10	N	TXC024C4	Y	B	675	10.50	18300	16500	6.85	3.04
2TWR1018A10	N	TXC024D4	Y	B	675	10.50	18300	16500	6.85	3.04
2TWR1018A10	N	TXC025C4	Y	B	675	10.75	18700	16800	7.05	3.16
2TWR1018A10	N	TXC025D4	Y	B	675	10.75	18700	16800	7.05	3.16
2TWR1018A10	N	TXC030C4	Y	B	675	11.00	18900	16700	7.00	3.14
2TWR1018A10	N	TXC030D4	Y	B	675	11.00	18900	16700	7.00	3.14
2TWR1018A10	N	TXC031C4	Y	B	675	11.00	19000	16900	7.10	3.24
2TWR1018A10	N	TXC031D4	Y	B	675	11.00	19000	16900	7.10	3.24
2TWR1018A10	N	TXH025A4	Y	B	675	11.00	18400	16500	6.85	3.06
2TWR1018A10	N	TXH033A4	Y	B	675	11.00	19300	16900	7.10	3.22
2TWR1024A10	N	TVF018A14	FI	B	675	10.75	24600	22600	7.50	2.98
2TWR1024A10	N	TVF024A14	FI	B	775	11.00	25200	23000	7.55	3.04
2TWR1024A10	N	TVF025A14	FI	B	800	11.00	25400	22800	7.60	3.08
2TWR1024A10	N	TWE018C14	FI	B	675	10.50	23600	21800	7.15	2.80
2TWR1024A10 *	N	TWE018P13	N	NO	675	11.00	24800	22600	7.40	3.00
2TWR1024A10	N	TWE024C14	FI	B	800	10.75	23800	22800	7.25	2.92
2TWR1024A10 *	N	TWE024P13	N	NO	800	11.00	25800	22800	7.55	3.10
2TWR1024A10	N	TWE030C14	FI	B	900	10.75	25200	23000	7.50	3.04
2TWR1024A10 *	N	TWE030P13	N	NO	900	11.00	26000	23200	7.55	3.10
2TWR1024A10 *	N	TWE031E13	FI	NO	835	11.50	26200	22600	7.85	3.18
2TWR1024A10	N	TWE036C14	FI	B	900	11.00	25800	23200	7.55	3.06
2TWR1024A10 *	N	TWE037E13	FI	NO	800	11.50	26400	22600	8.00	3.28
2TWR1024A10	N	TWG018A14	FI	B	675	10.50	23200	22000	7.20	2.80
2TWR1024A10	N	TWG025A14	FI	B	800	11.00	24800	22600	7.40	2.96
2TWR1024A10	N	TWG030A14	FI	B	900	10.75	25000	23000	7.40	2.98
2TWR1024A10	N	TWG036A14	FI	B	900	11.00	25800	23400	7.40	2.98

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV

* - START KIT REQUIRED



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
2TWR1024A10	N	TXA018C4	Y	B	675	10.25	22800	21800	7.05	2.70
2TWR1024A10	N	TXA024C4	Y	B	800	10.50	24200	22600	7.25	2.86
2TWR1024A10	N	TXA025C4	Y	B	800	10.75	24600	23000	7.50	3.02
2TWR1024A10	N	TXA030C4	Y	B	900	10.75	25400	23200	7.50	3.00
2TWR1024A10	N	TXA031C4	Y	B	900	11.00	25600	23400	7.65	3.10
2TWR1024A10	N	TXC018C4	Y	B	675	10.25	22800	21800	7.05	2.70
2TWR1024A10	N	TXC024C4	Y	B	800	10.50	24200	22600	7.25	2.86
2TWR1024A10	N	TXC024D4	Y	B	800	10.50	24200	22600	7.25	2.86
2TWR1024A10	N	TXC025C4	Y	B	800	10.75	24600	23000	7.50	3.02
2TWR1024A10	N	TXC025D4	Y	B	800	10.75	24600	23000	7.50	3.02
2TWR1024A10	N	TXC030C4	Y	B	900	10.75	25400	23200	7.50	3.00
2TWR1024A10	N	TXC030D4	Y	B	900	10.75	25400	23200	7.50	3.00
2TWR1024A10	N	TXC031C4	Y	B	900	11.00	25600	23400	7.65	3.10
2TWR1024A10	N	TXC031D4	Y	B	900	11.00	25600	23400	7.65	3.10
2TWR1024A10	N	TXH025A4	Y	B	800	10.50	24200	22600	7.30	2.88
2TWR1024A10	N	TXH033A4	Y	B	900	11.00	25800	23400	7.65	3.10
2TWR1030A10	N	TVF025A14	FI	B	900	10.75	31000	28800	7.50	2.90
2TWR1030A10	N	TVF030A14	FI	B	1000	11.00	32200	29200	7.75	3.02
2TWR1030A10	N	TVF036A14	FI	B	1125	10.75	32800	29800	7.75	3.06
2TWR1030A10*	N	TWE024P13	N	NO	900	10.50	31400	28600	7.40	2.90
2TWR1030A10	N	TWE030C14	FI	B	1000	10.75	30400	29400	7.50	2.94
2TWR1030A10*	N	TWE030P13	N	NO	940	10.75	31600	28800	7.50	2.94
2TWR1030A10*	N	TWE031E13	FI	NO	1020	11.50	32200	28600	7.75	3.02
2TWR1030A10	N	TWE036C14	FI	B	1125	11.00	32200	29400	7.60	2.96
2TWR1030A10*	N	TWE036P13	N	NO	1125	11.00	32400	29600	7.55	3.02
2TWR1030A10*	N	TWE037E13	FI	NO	1000	11.50	33000	28600	8.00	3.14
2TWR1030A10	N	TWG025A14	FI	B	900	10.50	30400	28000	7.35	2.80
2TWR1030A10	N	TWG030A14	FI	B	1000	10.75	30800	28600	7.40	2.84
2TWR1030A10	N	TWG036A14	FI	B	1125	11.00	32000	29200	7.55	2.94
2TWR1030A10	N	TWG037A14	FI	B	1125	11.00	32000	29200	7.55	2.92
2TWR1030A10	N	TXA024C4	Y	B	900	10.50	29800	28200	7.20	2.70
2TWR1030A10	N	TXA025C4	Y	B	900	10.75	30400	28600	7.50	2.86
2TWR1030A10	N	TXA030C4	Y	B	1000	10.75	31200	28800	7.50	2.86
2TWR1030A10	N	TXA031C4	Y	B	1000	10.75	31400	29200	7.65	2.96
2TWR1030A10	N	TXA035C4	Y	B	1100	10.75	31600	29000	7.50	2.88
2TWR1030A10	N	TXA036C4	Y	B	1125	11.00	32400	29600	7.75	3.06
2TWR1030A10	N	TXA037C4	Y	B	1125	11.00	32400	29600	7.75	3.06
2TWR1030A10	N	TXC024C4	Y	B	900	10.50	29800	28200	7.20	2.70
2TWR1030A10	N	TXC024D4	Y	B	900	10.50	29800	28200	7.20	2.70
2TWR1030A10	N	TXC025C4	Y	B	900	10.75	30400	28600	7.50	2.86
2TWR1030A10	N	TXC025D4	Y	B	900	10.75	30400	28600	7.50	2.86
2TWR1030A10	N	TXC030C4	Y	B	1000	10.75	31200	28800	7.50	2.86
2TWR1030A10	N	TXC030D4	Y	B	1000	10.75	31200	28800	7.50	2.86
2TWR1030A10	N	TXC031C4	Y	B	1000	10.75	31400	29200	7.65	2.96
2TWR1030A10	N	TXC031D4	Y	B	1000	10.75	31400	29200	7.65	2.96
2TWR1030A10	N	TXC031E5	Y	NO	1000	11.00	32400	29400	7.70	3.02
2TWR1030A10	N	TXC035C4	Y	B	1100	10.75	31600	29000	7.50	2.88
2TWR1030A10	N	TXC035D4	Y	B	1100	10.75	31600	29000	7.50	2.88
2TWR1030A10	N	TXC036C4	Y	B	1125	11.00	32400	29600	7.75	3.06

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV

* - START KIT REQUIRED



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
2TWR1030A10	N	TXC036D4	Y	B	1125	11.00	32400	29600	7.75	3.06
2TWR1030A10	N	TXC037C4	Y	B	1125	11.00	32400	29600	7.75	3.06
2TWR1030A10	N	TXH025A4	Y	B	900	10.50	29800	28200	7.20	2.72
2TWR1030A10	N	TXH033A4	Y	B	1000	11.00	31400	29200	7.60	2.96
2TWR1030A10	N	TXH041A4	Y	B	1125	11.00	33200	29800	7.80	3.08
2TWR1036A10	N	TVF030A14	FI	B	1125	10.50	35400	33400	7.00	2.96
2TWR1036A10	N	TVF036A14	FI	B	1200	10.50	36000	33800	7.10	3.02
2TWR1036A10	Y	TWE030C14	FI	NO	945	10.25	33400	32200	6.80	2.78
2TWR1036A10	Y	TWE030C14	FI	B	945	10.50	33200	32200	6.80	2.78
2TWR1036A10 *	Y	TWE030P13	N	NO	940	10.75	34400	32400	6.80	2.84
2TWR1036A10 *	N	TWE031E13	FI	NO	1220	10.75	35600	33200	7.00	2.96
2TWR1036A10	N	TWE036C14	FI	B	1200	10.50	34400	33800	7.00	2.98
2TWR1036A10 *	N	TWE036P13	N	NO	1200	10.50	35800	33400	6.90	2.98
2TWR1036A10 *	N	TWE037E13	FI	NO	1160	11.50	36600	32800	7.20	3.06
2TWR1036A10	N	TWE042C14	FI	B	1350	10.50	36600	33800	7.05	3.00
2TWR1036A10 *	N	TWE042P13	N	NO	1350	10.75	37400	34200	7.00	3.08
2TWR1036A10	N	TWE048C14	FI	B	1350	10.50	37200	34200	7.10	3.04
2TWR1036A10	Y	TWG030A14	FI	NO	1100	10.25	34400	32400	6.80	2.76
2TWR1036A10	Y	TWG030A14	FI	B	1100	10.50	34000	32400	6.80	2.76
2TWR1036A10	Y	TWG036A14	FI	NO	1150	10.00	35000	33200	6.80	2.82
2TWR1036A10	Y	TWG036A14	FI	B	1150	10.25	34800	33200	6.80	2.82
2TWR1036A10	N	TWG037A14	FI	B	1200	10.50	35000	33000	6.85	2.88
2TWR1036A10	N	TWG042A14	FI	B	1325	10.50	35400	33400	7.00	2.94
2TWR1036A10	N	TWG048A14	FI	B	1350	11.00	37400	34000	7.15	3.08
2TWR1036A10	N	TXA031C4	Y	B	1100	10.50	34600	33200	7.00	2.92
2TWR1036A10	N	TXA036C4	Y	B	1200	10.50	35800	33600	7.05	3.02
2TWR1036A10	N	TXA037C4	Y	B	1200	10.50	35800	33600	7.05	3.02
2TWR1036A10	N	TXA042C4	Y	B	1200	10.50	36000	33800	7.10	3.04
2TWR1036A10	N	TXA043C4	Y	B	1350	10.50	36400	34000	7.15	3.06
2TWR1036A10	N	TXC031C4	Y	B	1100	10.50	34600	33200	7.00	2.92
2TWR1036A10	N	TXC031D4	Y	B	1100	10.50	34600	33200	7.00	2.92
2TWR1036A10	N	TXC031E5	Y	NO	1110	10.75	36000	33400	7.05	2.98
2TWR1036A10	N	TXC036C4	Y	B	1200	10.50	35800	33600	7.05	3.02
2TWR1036A10	N	TXC036D4	Y	B	1200	10.50	35800	33600	7.05	3.02
2TWR1036A10	N	TXC037C4	Y	B	1200	10.50	35800	33600	7.05	3.02
2TWR1036A10	N	TXC042C4	Y	B	1200	10.50	36000	33800	7.10	3.04
2TWR1036A10	N	TXC043C4	Y	B	1350	10.50	36400	34000	7.15	3.06
2TWR1036A10	N	TXH033A4	Y	B	1125	10.50	34400	33200	7.00	2.92
2TWR1036A10	N	TXH041A4	Y	B	1350	10.75	37200	34200	7.15	3.08
2TWR1042A10	N	TWE036C14	FI	B	1350	10.50	40000	39500	7.60	3.02
2TWR1042A10 *	N	TWE036P13	N	NO	1350	10.50	40500	40000	7.60	3.08
2TWR1042A10 *	N	TWE037E13	FI	NO	1350	11.25	41500	39000	7.90	3.16
2TWR1042A10 *	N	TWE040E13	FI	NO	1425	11.50	44500	40500	8.35	3.44
2TWR1042A10	N	TWE042C14	FI	B	1400	10.75	41500	40500	7.75	3.18
2TWR1042A10 *	N	TWE042P13	N	NO	1400	11.00	42500	40000	7.85	3.20
2TWR1042A10	N	TWE048C14	FI	B	1575	10.75	43000	40500	8.00	3.22
2TWR1042A10	N	TWG037A14	FI	B	1275	10.50	39000	38500	7.50	2.94
2TWR1042A10	N	TWG042A14	FI	B	1400	10.75	40000	39500	7.70	3.06
2TWR1042A10	N	TWG048A14	FI	B	1575	11.00	43000	40500	8.00	3.22

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV

* - START KIT REQUIRED



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
2TWR1042A10	N	TXA035C4	Y	B	1100	10.50	38000	37800	7.35	2.86
2TWR1042A10	N	TXA036C4	Y	B	1200	10.75	40000	39500	7.80	3.12
2TWR1042A10	N	TXA037C4	Y	B	1350	10.75	40500	40000	7.85	3.14
2TWR1042A10	N	TXA042C4	Y	B	1200	10.75	40500	39500	7.85	3.14
2TWR1042A10	N	TXA043C4	Y	B	1400	10.75	41500	40000	8.00	3.20
2TWR1042A10	N	TXA048C4	Y	B	1350	11.00	41500	40000	8.00	3.26
2TWR1042A10	N	TXA049C4	Y	B	1575	11.00	42500	41000	8.05	3.30
2TWR1042A10	N	TXA050C4	Y	B	1575	11.00	42500	41000	8.05	3.30
2TWR1042A10	N	TXC035C4	Y	B	1100	10.50	38000	37800	7.35	2.86
2TWR1042A10	N	TXC035D4	Y	B	1100	10.50	38000	37800	7.35	2.86
2TWR1042A10	N	TXC036C4	Y	B	1200	10.75	40000	39500	7.80	3.12
2TWR1042A10	N	TXC036D4	Y	B	1200	10.75	40000	39500	7.80	3.12
2TWR1042A10	N	TXC037C4	Y	B	1350	10.75	40500	40000	7.85	3.14
2TWR1042A10	N	TXC042C4	Y	B	1200	10.75	40500	39500	7.85	3.14
2TWR1042A10	N	TXC043C4	Y	B	1400	10.75	41500	40000	8.00	3.20
2TWR1042A10	N	TXC048C4	Y	B	1350	11.00	41500	40000	8.00	3.26
2TWR1042A10	N	TXC049C4	Y	B	1575	11.00	42500	41000	8.05	3.30
2TWR1042A10	N	TXC050C4	Y	B	1575	11.00	42500	41000	8.05	3.30
2TWR1042A10	N	TXH041A4	Y	B	1400	11.00	42000	40000	7.95	3.20
2TWR1042A10	N	TXH054A4	Y	B	1575	11.25	44500	41000	8.20	3.38
2TWR1048A10	N	TWE042C14	FI	B	1575	10.25	46000	44500	7.25	3.06
2TWR1048A10*	N	TWE042P13	N	NO	1575	10.50	47500	44500	7.40	3.18
2TWR1048A10*	N	TWE048P13	N	NO	1600	11.00	50000	45500	7.70	3.42
2TWR1048A10*	N	TWE049E13	FI	NO	1500	11.50	50500	45000	7.90	3.50
2TWR1048A10*	N	TWE060P13	N	NO	1800	11.00	51000	46000	7.70	3.42
2TWR1048A10*	N	TWE063P13	N	NO	1600	10.75	50000	46500	7.60	3.36
2TWR1048A10*	N	TWE065E13	FI	NO	1640	11.50	51000	45500	8.00	3.54
2TWR1048A10	N	TWG042A14	FI	B	1500	10.25	44000	43500	7.30	2.98
2TWR1048A10	N	TWG048A14	FI	B	1600	10.50	47000	44500	7.40	3.14
2TWR1048A10	N	TXA042C4	Y	B	1200	10.50	44500	43500	7.50	3.08
2TWR1048A10	N	TXA043C4	Y	B	1575	10.50	46500	44500	7.50	3.18
2TWR1048A10	N	TXA048C4	Y	B	1350	10.75	46000	44000	7.50	3.18
2TWR1048A10	N	TXA049C4	Y	B	1600	10.75	47000	45000	7.55	3.24
2TWR1048A10	N	TXA050C4	Y	B	1600	10.75	47000	45000	7.55	3.24
2TWR1048A10	N	TXA060C5	Y	NO	1700	10.75	48000	45500	7.65	3.30
2TWR1048A10	N	TXA061C5	Y	NO	1800	11.00	49500	46000	7.65	3.32
2TWR1048A10	N	TXC042C4	Y	B	1200	10.50	44500	43500	7.50	3.08
2TWR1048A10	N	TXC043C4	Y	B	1575	10.50	46500	44500	7.50	3.18
2TWR1048A10	N	TXC048C4	Y	B	1350	10.75	46000	44000	7.50	3.18
2TWR1048A10	N	TXC049C4	Y	B	1600	10.75	47000	45000	7.55	3.24
2TWR1048A10	N	TXC050C4	Y	B	1600	10.75	47000	45000	7.55	3.24
2TWR1048A10	N	TXC054E5	Y	NO	1700	10.75	48000	45500	7.65	3.30
2TWR1048A10	N	TXC060C5	Y	NO	1700	10.75	48000	45500	7.65	3.30
2TWR1048A10	N	TXC061C5	Y	NO	1800	11.00	49500	46000	7.65	3.32
2TWR1048A10	N	TXH041A4	Y	B	1575	10.75	47500	44500	7.50	3.18
2TWR1048A10	N	TXH054A4	Y	B	1700	11.00	50000	45500	7.70	3.34
2TWR1060A10	N	TWE042C14	FI	B	1575	10.25	55500	53000	7.35	2.84
2TWR1060A10*	N	TWE042P13	N	NO	1575	10.50	57000	53500	7.55	2.98
2TWR1060A10*	N	TWE048P13	N	NO	1800	11.00	61500	55500	7.80	3.22

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV

* - START KIT REQUIRED



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
2TWR1060A10*	N	TWE049E13	FI	NO	1800	11.50	61500	56000	7.90	3.22
2TWR1060A10*	N	TWE060P13	N	NO	1800	11.00	61500	55500	7.80	3.22
2TWR1060A10*	N	TWE063P13	N	NO	1800	10.75	61500	56500	7.75	3.20
2TWR1060A10*	N	TWE065E13	FI	NO	1800	11.50	62000	55500	8.10	3.32
2TWR1060A10	N	TWG048A14	FI	B	1625	10.50	57000	53500	7.50	2.94
2TWR1060A10	N	TXA043C4	N	B	1575	10.25	55500	53500	7.55	2.96
2TWR1060A10	N	TXA043C4	Y	B	1575	10.50	55500	53500	7.60	2.96
2TWR1060A10	N	TXA048C4	N	B	1350	10.25	54500	53000	7.55	2.96
2TWR1060A10	N	TXA048C4	Y	B	1350	10.50	54500	53000	7.60	2.96
2TWR1060A10	N	TXA049C4	N	B	1675	10.25	57000	54500	7.60	3.06
2TWR1060A10	N	TXA049C4	Y	B	1675	10.50	57000	54500	7.65	3.06
2TWR1060A10	N	TXA050C4	N	B	1675	10.25	57000	54500	7.60	3.06
2TWR1060A10	N	TXA050C4	Y	B	1675	10.50	57000	54500	7.65	3.06
2TWR1060A10	N	TXC043C4	N	B	1575	10.25	55500	53500	7.55	2.96
2TWR1060A10	N	TXC043C4	Y	B	1575	10.50	55500	53500	7.60	2.96
2TWR1060A10	N	TXC048C4	N	B	1350	10.25	54500	53000	7.55	2.96
2TWR1060A10	N	TXC048C4	Y	B	1350	10.50	54500	53000	7.60	2.96
2TWR1060A10	N	TXC049C4	N	B	1675	10.25	57000	54500	7.60	3.06
2TWR1060A10	N	TXC049C4	Y	B	1675	10.50	57000	54500	7.65	3.06
2TWR1060A10	N	TXC050C4	N	B	1675	10.25	57000	54500	7.60	3.06
2TWR1060A10	N	TXC050C4	Y	B	1675	10.50	57000	54500	7.65	3.06
2TWR1060A10	N	TXC054E5	Y	NO	1700	10.50	57500	55000	7.75	3.12
2TWR1060A10	N	TXH041A4	N	B	1575	10.50	57000	53500	7.55	2.98
2TWR1060A10	N	TXH054A4	N	B	1700	10.75	60000	55000	7.75	3.14
2TWR1060A10	N	TXH054A4	Y	B	1700	11.00	60000	55000	7.80	3.14
2TWR1060A10*	N	TXH063P3-A	N	NO	2000	11.00	62500	56500	7.90	3.28
2TWR1060A10*	N	TXH063P3-B	N	NO	2000	11.00	63000	56500	7.90	3.28

FI - FACTORY INSTALLED

B - BLEED TXV

NB - NON-BLEED TXV

* - START KIT REQUIRED



Performance Data Cooling

2TWR1018A1

2TWR1018A1 WITH TWE018C14 AT 600 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	16.0	13.5	15.1	16.3*	16.7*	1.53
	63	17.3	11.4	13.1	14.6	15.7	1.56
	67	18.7	9.2	10.8	12.4	13.4	1.58
	71	20.2	6.9	8.4	10.0	11.1	1.61
95	59	15.7	13.3	14.9	16.0*	16.4*	1.67
	63	17.0	11.3	12.9	14.5	15.5	1.68
	67	18.4	9.0	10.6	12.2	13.3	1.70
	71	19.8	6.7	8.3	9.9	11.0	1.72
105	59	14.6	12.8	14.3	15.2*	15.6*	1.78
	63	15.9	10.8	12.4	14.0	15.1	1.79
	67	17.2	8.6	10.1	11.7	12.8	1.81
	71	18.6	6.3	7.8	9.4	10.5	1.82
115	59	13.6	12.3	13.7	14.3*	14.7*	1.90
	63	14.8	10.3	11.9	13.5	14.6	1.90
	67	16.0	8.1	9.7	11.3	12.3	1.91
	71	17.3	5.8	7.4	9.0	10.0	1.91

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	525	0.98
HIGH	675	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
TWE024P13	RATED	700	1.08	1.13	1.05
	LOW	600	1.06	1.05	1.05
	HIGH	800	1.09	1.21	1.04
TWE030C14	RATED	700	1.03	1.07	1.09
	LOW	600	1.01	1.00	1.10
	HIGH	800	1.04	1.14	1.08
TWE030P13	RATED	700	1.07	1.12	1.08
	LOW	600	1.05	1.04	1.08
	HIGH	800	1.08	1.19	1.07
TWE031E13	RATED	650	1.09	1.11	0.99
	LOW	575	1.07	1.05	0.99
	HIGH	725	1.10	1.17	0.99
TWG018A14	RATED	600	0.99	1.01	1.03
	LOW	525	0.97	0.95	1.04
	HIGH	675	1.01	1.06	1.02
TWG025A14	RATED	700	1.04	1.10	1.07
	LOW	600	1.02	1.02	1.08
	HIGH	800	1.05	1.16	1.06
TWG030A14	RATED	700	1.03	1.09	1.08
	LOW	600	1.01	1.02	1.09
	HIGH	800	1.04	1.16	1.07

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TDD060R9V3+TXH025A4+TAYTXV-3	RATED	600	1.03	1.02	0.97
	LOW	525	1.01	0.96	0.98
	HIGH	675	1.05	1.07	0.96
TDY060R9V3+TXH025A4+TAYTXV-3	RATED	550	1.02	0.98	0.96
	LOW	475	0.99	0.92	0.97
	HIGH	625	1.04	1.04	0.95
TUD060R9V3+TXH025A4+TAYTXV-3	RATED	600	1.03	1.02	0.97
	LOW	525	1.01	0.96	0.98
	HIGH	675	1.05	1.07	0.96
TUY060R9V3+TXH025A4+TAYTXV-3	RATED	600	1.03	1.02	0.98
	LOW	525	1.01	0.96	0.99
	HIGH	675	1.05	1.07	0.97
TVF018A14	RATED	600	1.04	1.06	1.04
	LOW	525	1.02	1.00	1.05
	HIGH	675	1.07	1.13	1.03
TVF024A14	RATED	700	1.05	1.12	1.09
	LOW	600	1.03	1.04	1.10
	HIGH	800	1.06	1.20	1.08
TVF025A14	RATED	700	1.06	1.13	1.07
	LOW	600	1.04	1.05	1.08
	HIGH	800	1.07	1.21	1.06
TVF030A14	RATED	700	1.07	1.14	1.10
	LOW	600	1.05	1.06	1.11
	HIGH	800	1.08	1.22	1.09
TWE018C14	RATED	600	1.00	1.00	1.00
	LOW	525	0.98	0.94	1.01
	HIGH	675	1.02	1.05	0.99
TWE018P13	RATED	600	1.05	1.05	1.05
	LOW	525	1.03	0.99	1.05
	HIGH	675	1.07	1.11	1.04
TWE024C14	RATED	700	0.99	1.02	1.07
	LOW	600	0.97	0.95	1.08
	HIGH	800	1.00	1.08	1.06



Performance Data Cooling

2TWR1024A1

2TWR1024A1 WITH TWE024C14 AT 800 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	20.8	17.0	19.0	20.8*	21.4*	2.23
	63	22.5	14.4	16.5	18.4	19.7	2.28
	67	24.4	11.6	13.6	15.6	16.9	2.33
	71	26.3	8.7	10.7	12.7	14.0	2.39
95	59	20.4	16.8	18.8	20.6*	21.2*	2.41
	63	22.2	14.3	16.3	18.3	19.6	2.46
	67	24.0	11.4	13.4	15.4	16.7	2.51
	71	25.9	8.5	10.5	12.5	13.8	2.57
105	59	19.1	16.2	18.2	19.5*	20.1*	2.57
	63	20.7	13.7	15.7	17.6	19.0	2.62
	67	22.5	10.8	12.8	14.8	16.1	2.66
	71	24.2	7.9	9.9	11.9	13.2	2.71
115	59	17.7	15.6	17.4	18.5*	19.0*	2.74
	63	19.3	13.0	15.1	17.0	18.4	2.77
	67	20.9	10.2	12.2	14.2	15.5	2.81
	71	22.6	7.3	9.3	11.3	12.6	2.84

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	700	0.98
HIGH	900	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
TDD060R9V3+TXC031E5	RATED	800	1.13	1.15
	LOW	700	1.11	1.08
	HIGH	900	1.15	1.22
TDD080R9V3+TXC031E5	RATED	800	1.13	1.16
	LOW	700	1.11	1.09
	HIGH	900	1.15	1.23
TDY060R9V3+TXC031E5	RATED	700	1.10	1.08
	LOW	600	1.06	1.00
	HIGH	800	1.13	1.16
TDY080R9V3+TXC031E5	RATED	700	1.10	1.09
	LOW	600	1.07	1.01
	HIGH	800	1.14	1.16
TUD060R9V3+TXC031E5	RATED	800	1.12	1.15
	LOW	700	1.10	1.08
	HIGH	900	1.15	1.21
TUD080R9V3+TXC031E5	RATED	800	1.12	1.14
	LOW	700	1.10	1.08
	HIGH	900	1.14	1.21
TUY060R9V3+TXC031E5	RATED	700	1.10	1.08
	LOW	600	1.06	1.00
	HIGH	800	1.12	1.14
TUY080R9V3+TXC031E5	RATED	700	1.10	1.08
	LOW	600	1.06	1.00
	HIGH	800	1.13	1.16
TVF018A14	RATED	700	1.05	1.05
	LOW	600	1.02	0.97
	HIGH	800	1.07	1.11
TVF024A14	RATED	800	1.06	1.10
	LOW	700	1.04	1.04
	HIGH	900	1.08	1.17
TVF025A14	RATED	800	1.08	1.11
	LOW	700	1.05	1.05
	HIGH	900	1.10	1.18

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE018C14	RATED	700	1.00	0.98
	LOW	600	0.97	0.92
	HIGH	800	1.02	1.04
TWE018P13	RATED	700	1.06	1.04
	LOW	600	1.03	0.97
	HIGH	800	1.08	1.11
TWE024C14	RATED	800	1.00	1.00
	LOW	700	0.98	0.94
	HIGH	900	1.02	1.05
TWE024P13	RATED	800	1.09	1.12
	LOW	700	1.07	1.05
	HIGH	900	1.12	1.17
TWE030C14	RATED	900	1.06	1.11
	LOW	775	1.04	1.04
	HIGH	1025	1.08	1.18
TWE030P13	RATED	900	1.10	1.16
	LOW	775	1.08	1.09
	HIGH	1025	1.12	1.23
TWE031E13	RATED	800	1.10	1.13
	LOW	700	1.08	1.06
	HIGH	900	1.13	1.20
TWE036C14	RATED	900	1.08	1.15
	LOW	775	1.06	1.09
	HIGH	1025	1.10	1.22
TWE037E13	RATED	800	1.12	1.15
	LOW	700	1.10	1.08
	HIGH	900	1.14	1.22
TWG018A14	RATED	700	0.97	0.98
	LOW	600	0.94	0.92
	HIGH	800	0.99	1.04
TWG025A14	RATED	800	1.05	1.08
	LOW	700	1.03	1.02
	HIGH	900	1.07	1.14
TWG030A14	RATED	900	1.06	1.12
	LOW	775	1.04	1.06
	HIGH	1025	1.07	1.19
TWG036A14	RATED	900	1.08	1.15
	LOW	775	1.06	1.08
	HIGH	1025	1.09	1.22
TXA024C4	RATED	800	1.02	1.03
	LOW	700	0.99	0.97
	HIGH	900	1.04	1.08
TXA025C4	RATED	800	1.04	1.06
	LOW	700	1.02	0.99
	HIGH	900	1.06	1.11
TXC024C4	RATED	800	1.02	1.03
	LOW	700	0.99	0.97
	HIGH	900	1.04	1.08
TXC024D4	RATED	800	1.02	1.03
	LOW	700	0.99	0.97
	HIGH	900	1.04	1.08
TXC025C4	RATED	800	1.04	1.06
	LOW	700	1.02	0.99
	HIGH	900	1.06	1.11
TXC025D4	RATED	800	1.04	1.06
	LOW	700	1.02	0.99
	HIGH	900	1.06	1.11
TXH025A4	RATED	800	1.02	1.03
	LOW	700	1.00	0.98
	HIGH	900	1.04	1.08



Performance Data Cooling

2TWR1030A1

2TWR1030A1 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	26.6	22.0	24.6	26.8*	27.6*	2.87
	63	28.7	18.6	21.2	23.9	25.6	2.93
	67	31.0	14.8	17.4	20.1	21.8	2.99
	71	33.4	10.9	13.5	16.2	17.9	3.06
95	59	26.0	21.7	24.4	26.4*	27.1*	3.11
	63	28.2	18.3	21.0	23.6	25.4	3.17
	67	30.4	14.5	17.2	19.8	21.6	3.23
	71	32.7	10.6	13.3	15.9	17.7	3.30
105	59	24.2	20.9	23.5	25.0*	25.6*	3.33
	63	26.2	17.5	20.1	22.8	24.6	3.39
	67	28.3	13.7	16.4	19.0	20.8	3.44
	71	30.5	9.8	12.4	15.1	16.9	3.50
115	59	22.4	20.1	22.4	23.5*	24.1*	3.56
	63	24.3	16.7	19.3	22.0	23.8	3.60
	67	26.2	12.9	15.5	18.2	19.9	3.65
	71	28.2	9.0	11.6	14.3	16.1	3.70

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+TXC031E5	RATED	1000	1.11	0.99
	LOW	875	1.09	1.00
	HIGH	1125	1.13	0.98
TDD060R9V3+TXC036E5	RATED	1000	1.13	0.99
	LOW	875	1.11	1.00
	HIGH	1125	1.15	0.98
TDD080R9V3+TXC031E5	RATED	900	1.09	0.96
	LOW	775	1.06	0.97
	HIGH	1025	1.11	0.95
TDD080R9V3+TXC036E5	RATED	900	1.11	0.97
	LOW	775	1.08	0.98
	HIGH	1025	1.14	0.96
TDY060R9V3+TXC036E5	RATED	900	1.11	0.97
	LOW	775	1.08	0.98
	HIGH	1025	1.14	0.96
TDY080R9V3+TXC031E5	RATED	900	1.09	0.98
	LOW	775	1.06	0.99
	HIGH	1025	1.11	0.97
TDY080R9V3+TXC036E5	RATED	900	1.11	0.97
	LOW	775	1.07	0.98
	HIGH	1025	1.13	0.96
TUD060R9V3+TXC031E5	RATED	1000	1.10	1.00
	LOW	875	1.08	1.01
	HIGH	1125	1.13	0.99
TUD060R9V3+TXC036E5	RATED	1000	1.12	0.99
	LOW	875	1.10	1.00
	HIGH	1125	1.15	0.98
TUD080R9V3+TXC031E5	RATED	1000	1.10	0.98
	LOW	875	1.08	0.99
	HIGH	1125	1.12	0.97
TUD080R9V3+TXC036E5	RATED	1000	1.13	0.99
	LOW	875	1.11	1.00
	HIGH	1125	1.15	0.98

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TUY060R9V3+TXC031E5	RATED	900	1.09	0.97
	LOW	775	1.06	0.98
	HIGH	1025	1.11	0.96
TUY060R9V3+TXC036E5	RATED	900	1.11	0.97
	LOW	775	1.07	0.98
	HIGH	1025	1.13	0.96
TUY080R9V3+TXC031E5	RATED	900	1.09	0.97
	LOW	775	1.06	0.98
	HIGH	1025	1.11	0.96
TUY080R9V3+TXC036E5	RATED	900	1.11	0.97
	LOW	775	1.08	0.98
	HIGH	1025	1.13	0.96
TVF025A14	RATED	900	1.02	1.00
	LOW	775	0.99	1.01
	HIGH	1025	1.04	0.99
TVF030A14	RATED	1000	1.05	1.01
	LOW	875	1.03	1.02
	HIGH	1125	1.07	1.00
TVF036A14	RATED	1100	1.09	1.05
	LOW	950	1.07	1.06
	HIGH	1250	1.11	1.04
TWE024C14	RATED	900	0.95	0.97
	LOW	775	0.93	0.98
	HIGH	1025	0.97	0.96
TWE024P13	RATED	900	1.05	1.00
	LOW	775	1.02	1.01
	HIGH	1025	1.08	0.99
TWE030C14	RATED	1000	1.00	1.00
	LOW	875	0.98	1.01
	HIGH	1125	1.02	0.99
TWE030P13	RATED	900	1.05	0.98
	LOW	775	1.02	0.99
	HIGH	1025	1.08	0.97
TWE031E13	RATED	1000	1.08	0.98
	LOW	875	1.06	0.99
	HIGH	1125	1.10	0.97
TWE036C14	RATED	1100	1.06	1.03
	LOW	950	1.04	1.04
	HIGH	1250	1.07	1.02
TWE036P13	RATED	1100	1.09	1.03
	LOW	950	1.06	1.04
	HIGH	1250	1.10	1.02
TWE037E13	RATED	1000	1.11	0.96
	LOW	875	1.09	0.97
	HIGH	1125	1.13	0.95
TWG025A14	RATED	900	0.97	0.96
	LOW	775	0.94	0.97
	HIGH	1025	0.99	0.95
TWG030A14	RATED	1000	1.01	0.99
	LOW	875	0.99	1.00
	HIGH	1125	1.03	0.98
TWG036A14	RATED	1100	1.05	1.02
	LOW	950	1.03	1.03
	HIGH	1250	1.07	1.01
TWG037A14	RATED	1100	1.04	1.01
	LOW	950	1.02	1.02
	HIGH	1250	1.06	1.00
TXA030C4	RATED	1000	1.02	1.00
	LOW	875	1.00	1.01
	HIGH	1125	1.04	0.99
TXA031C4	RATED	1000	1.03	1.01
	LOW	875	1.01	1.02
	HIGH	1125	1.05	1.00



Performance Data Cooling

2TWR1030A1

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TXC030C4	RATED	1000	1.02	1.01	1.00
	LOW	875	1.00	0.95	1.01
	HIGH	1125	1.04	1.06	0.99
TXC030D4	RATED	1000	1.02	1.01	1.00
	LOW	875	1.00	0.95	1.01
	HIGH	1125	1.04	1.06	0.99
TXC031C4	RATED	1000	1.03	1.03	1.01
	LOW	875	1.01	0.97	1.02
	HIGH	1125	1.05	1.08	1.00

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TXC031D4	RATED	1000	1.03	1.03	1.01
	LOW	875	1.01	0.97	1.02
	HIGH	1125	1.05	1.08	1.00
TXC031E5+BAY24X045	RATED	1000	1.09	1.08	1.03
	LOW	875	1.07	1.02	1.04
	HIGH	1125	1.10	1.13	1.02
TXH033A4	RATED	1000	1.02	1.04	1.00
	LOW	875	1.00	0.98	1.01
	HIGH	1125	1.04	1.10	0.99



Performance Data Cooling

2TWR1036A1

2TWR1036A1 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	30.6	26.1	29.4	31.4*	32.2*	3.39
	63	33.1	22.0	25.2	28.4	30.5	3.48
	67	35.7	17.4	20.6	23.8	25.9	3.58
	71	38.4	12.6	15.9	19.1	21.2	3.67
95	59	30.0	25.8	29.0	30.8*	31.7*	3.69
	63	32.5	21.7	24.9	28.1	30.2	3.78
	67	35.0	17.1	20.3	23.5	25.6	3.87
	71	37.6	12.3	15.6	18.8	20.9	3.96
105	59	27.7	24.8	27.5	29.0*	29.7*	3.96
	63	30.0	20.6	23.9	27.0	29.2	4.05
	67	32.4	16.0	19.2	22.4	24.6	4.13
	71	34.8	11.3	14.5	17.7	19.8	4.22
115	59	25.5	23.8	26.0	27.1*	27.7*	4.25
	63	27.6	19.6	22.8	26.0	27.7*	4.32
	67	29.7	15.0	18.1	21.4	23.5	4.40
	71	32.0	10.2	13.4	16.7	18.8	4.47

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	0.98
	LOW	1050	1.04	0.99
	HIGH	1350	1.07	0.97
TDD080R9V3+TXC031E5	RATED	1100	1.06	0.96
	LOW	950	1.03	0.96
	HIGH	1250	1.07	0.95
TDY060R9V3+TXC031E5	RATED	1100	1.05	0.96
	LOW	950	1.03	0.96
	HIGH	1250	1.06	0.95
TDY080R9V3+TXC031E5	RATED	1100	1.05	0.97
	LOW	950	1.03	0.96
	HIGH	1250	1.06	0.96
TUD060R9V3+TXC031E5	RATED	1200	1.06	0.98
	LOW	1050	1.03	0.99
	HIGH	1350	1.07	0.97
TUD080R9V3+TXC031E5	RATED	1200	1.06	0.98
	LOW	1050	1.04	0.99
	HIGH	1350	1.07	0.97
TUY060R9V3+TXC031E5	RATED	1100	1.05	0.96
	LOW	950	1.03	0.96
	HIGH	1250	1.06	0.95
TUY080R9V3+TXC031E5	RATED	1000	1.04	0.94
	LOW	875	1.02	0.95
	HIGH	1125	1.06	0.93
TVF030A14	RATED	1100	1.01	0.98
	LOW	950	0.99	0.94
	HIGH	1250	1.03	0.97
TVF036A14	RATED	1200	1.05	1.02
	LOW	1050	1.03	1.03
	HIGH	1350	1.06	1.01
TWE031E13	RATED	1200	1.03	0.97
	LOW	1050	1.01	0.98
	HIGH	1350	1.04	0.96

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE036C14	RATED	1200	1.00	1.00
	LOW	1050	0.98	0.95
	HIGH	1350	1.01	0.99
TWE036P13	RATED	1200	1.04	0.99
	LOW	1050	1.02	0.96
	HIGH	1350	1.05	0.98
TWE037E13	RATED	1200	1.07	0.95
	LOW	1050	1.05	0.96
	HIGH	1350	1.08	0.94
TWE042C14	RATED	1400	1.06	1.03
	LOW	1225	1.05	1.04
	HIGH	1575	1.07	1.02
TWE042P13	RATED	1400	1.01	1.09
	LOW	1225	1.00	1.10
	HIGH	1575	1.02	1.08
TWE048C14	RATED	1400	1.08	1.05
	LOW	1225	1.07	1.06
	HIGH	1575	1.09	1.04
TWG037A14	RATED	1200	1.01	0.97
	LOW	1050	0.99	0.98
	HIGH	1350	1.02	0.96
TWG042A14	RATED	1400	1.02	1.00
	LOW	1225	1.00	1.01
	HIGH	1575	1.04	0.99
TWG048A14	RATED	1400	1.08	1.03
	LOW	1225	1.06	1.04
	HIGH	1575	1.09	1.02
TXA036C4	RATED	1200	1.03	1.00
	LOW	1050	1.01	0.96
	HIGH	1350	1.04	0.99
TXA037C4	RATED	1200	1.03	1.00
	LOW	1050	1.01	0.96
	HIGH	1350	1.04	0.99
TXC036C4	RATED	1200	1.03	1.00
	LOW	1050	1.01	0.96
	HIGH	1350	1.04	0.99
TXC036D4	RATED	1200	1.03	1.00
	LOW	1050	1.01	0.96
	HIGH	1350	1.04	0.99
TXC037C4	RATED	1200	1.03	1.00
	LOW	1050	1.01	0.96
	HIGH	1350	1.04	0.99
TXH033A4	RATED	1100	0.98	0.96
	LOW	950	0.97	0.97
	HIGH	1250	1.00	0.95



Performance Data Cooling

2TWR1042A1

2TWR1042A1 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	31.3	35.1	37.4*	38.5*	3.77
	63	39.6	26.5	30.3	34.1	36.7	3.87
	67	42.8	21.0	24.9	28.7	31.2	3.98
	71	46.2	15.5	19.3	23.1	25.7	4.09
95	59	35.7	31.0	34.6	36.8*	37.9*	4.10
	63	38.8	26.1	29.9	33.8	36.3	4.20
	67	42.0	20.7	24.5	28.3	30.9	4.31
	71	45.3	15.1	18.9	22.8	25.3	4.42
105	59	33.0	29.7	33.0	34.7*	35.6*	4.38
	63	35.9	24.9	28.7	32.5	35.1	4.48
	67	38.9	19.4	23.3	27.1	29.6	4.58
	71	42.0	13.9	17.7	21.5	24.1	4.69
115	59	30.4	28.5	31.1	32.4*	33.3*	4.67
	63	33.0	23.6	27.4	31.3	33.3*	4.76
	67	35.8	18.2	22.0	25.8	28.4	4.86
	71	38.7	12.6	16.4	20.3	22.8	4.96

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1225	0.98
HIGH	1575	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
TDD080R9V3+TXC036E5	RATED	1300	1.03	1.00
	LOW	1125	1.00	0.94
	HIGH	1475	1.05	1.06
TDD100R9V5+TXC037E5	RATED	1400	1.04	1.04
	LOW	1225	1.02	0.98
	HIGH	1575	1.07	1.09
TDD100R9V5+TXC054E5	RATED	1400	1.03	1.02
	LOW	1225	1.01	0.96
	HIGH	1575	1.05	1.08
TDY100R9V4+TXC037E5	RATED	1200	1.02	0.96
	LOW	1050	0.98	0.91
	HIGH	1350	1.04	1.01
TDY100R9V4+TXC054E5	RATED	1200	1.01	0.96
	LOW	1050	0.98	0.90
	HIGH	1350	1.04	1.02
TUD080R9V3+TXC036E5	RATED	1400	1.03	1.02
	LOW	1225	1.01	0.96
	HIGH	1575	1.04	1.07
TUD100R9V5+TXC037E5	RATED	1400	1.04	1.03
	LOW	1225	1.02	0.97
	HIGH	1575	1.06	1.09
TUD100R9V5+TXC054E5	RATED	1400	1.03	1.01
	LOW	1225	1.01	0.95
	HIGH	1575	1.05	1.08
TUY080R9V3+TXC036E5	RATED	1200	1.02	0.96
	LOW	1050	0.98	0.91
	HIGH	1350	1.04	1.01
TUY100R9V4+TXC037E5	RATED	1200	1.02	0.97
	LOW	1050	0.99	0.91
	HIGH	1350	1.04	1.02
TUY100R9V4+TXC054E5	RATED	1200	1.02	0.96
	LOW	1050	0.99	0.91
	HIGH	1350	1.04	1.02

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TVF036A14	RATED	1400	0.99	1.00
	LOW	1225	0.97	0.94
	HIGH	1575	1.00	1.06
TWE036C14	RATED	1400	0.97	0.97
	LOW	1225	0.95	0.92
	HIGH	1575	0.98	1.02
TWE036P13	RATED	1400	0.99	0.97
	LOW	1225	0.97	0.91
	HIGH	1575	1.00	1.02
TWE037E13	RATED	1400	1.01	1.01
	LOW	1225	0.99	0.96
	HIGH	1575	1.03	1.06
TWE040E13	RATED	1400	1.08	1.08
	LOW	1225	1.05	1.02
	HIGH	1575	1.10	1.15
TWE042C14	RATED	1400	1.00	1.00
	LOW	1225	0.98	0.94
	HIGH	1575	1.02	1.05
TWE042P13	RATED	1400	1.03	1.02
	LOW	1225	1.01	0.96
	HIGH	1575	1.04	1.07
TWE048C14	RATED	1600	1.04	1.08
	LOW	1400	1.02	1.01
	HIGH	1800	1.05	1.13
TWE060C/D15	RATED	1600	1.06	1.08
	LOW	1400	1.03	1.01
	HIGH	1800	1.07	1.13
TWG036A14	RATED	1200	0.92	0.89
	LOW	1050	0.89	0.85
	HIGH	1350	0.94	0.94
TWG037A14	RATED	1300	0.93	0.92
	LOW	1125	0.90	0.87
	HIGH	1475	0.95	0.97
TWG042A14	RATED	1400	0.95	0.94
	LOW	1225	0.93	0.89
	HIGH	1575	0.97	0.99
TWG048A14	RATED	1600	1.03	1.07
	LOW	1400	1.01	1.00
	HIGH	1800	1.04	1.12
TWG060A15	RATED	1600	1.06	1.08
	LOW	1400	1.04	1.02
	HIGH	1800	1.07	1.14
TXA042C4	RATED	1200	0.97	0.92
	LOW	1050	0.94	0.86
	HIGH	1350	0.98	0.96
TXA043C4	RATED	1400	0.99	0.98
	LOW	1225	0.97	0.92
	HIGH	1575	1.01	1.03
TXC042C4	RATED	1200	0.97	0.92
	LOW	1050	0.94	0.86
	HIGH	1350	0.98	0.96
TXC043C4	RATED	1400	0.99	0.98
	LOW	1225	0.97	0.92
	HIGH	1575	1.01	1.03
TXH041A4	RATED	1400	1.01	1.01
	LOW	1225	0.99	0.95
	HIGH	1575	1.03	1.06



Performance Data Cooling

2TWR1048A1

2TWR1048A1 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	41.5	35.6	40.0	42.6*	43.7*	4.29
	63	44.9	29.9	34.3	38.7	41.7	4.41
	67	48.6	23.6	28.1	32.4	35.4	4.53
	71	52.3	17.2	21.6	26.0	29.0	4.66
95	59	40.5	35.1	39.4	41.9*	43.0*	4.68
	63	43.9	29.5	33.8	38.3	41.2	4.80
	67	47.5	23.2	27.6	32.0	34.9	4.92
	71	51.2	16.8	21.1	25.6	28.5	5.05
105	59	37.4	33.7	37.4	39.3*	40.3*	5.03
	63	40.6	28.0	32.5	36.8	39.8	5.15
	67	43.9	21.7	26.1	30.6	33.5	5.27
	71	47.3	15.3	19.8	24.1	27.1	5.39
115	59	34.3	32.3	35.2	36.6*	37.6*	5.39
	63	37.2	26.6	31.0	35.4	37.6*	5.50
	67	40.3	20.3	24.8	29.1	32.1	5.61
	71	43.4	13.9	18.3	22.7	25.6	5.72

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1400	0.98
HIGH	1800	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
TDD100R9V5+TXC037E5	RATED	1600	1.03	1.02
	LOW	1400	1.00	0.96
	HIGH	1800	1.04	1.07
TDD100R9V5+TXC054E5	RATED	1600	1.03	1.01
	LOW	1400	1.00	0.95
	HIGH	1800	1.05	1.06
TDY100R9V4+TXC037E5	RATED	1500	1.02	1.00
	LOW	1300	1.00	0.94
	HIGH	1700	1.04	1.06
TDY100R9V4+TXC054E5	RATED	1500	1.01	0.98
	LOW	1300	0.99	0.92
	HIGH	1700	1.03	1.04
TUD100R9V5+TXC037E5	RATED	1700	1.04	1.05
	LOW	1475	1.02	0.99
	HIGH	1925	1.06	1.12
TUD100R9V5+TXC054E5	RATED	1700	1.03	1.03
	LOW	1475	1.01	0.97
	HIGH	1925	1.04	1.09
TUY100R9V4+TXC037E5	RATED	1400	1.01	0.97
	LOW	1225	0.99	0.91
	HIGH	1575	1.03	1.02
TUY100R9V4+TXC054E5	RATED	1400	1.00	0.95
	LOW	1225	0.98	0.90
	HIGH	1575	1.02	1.00
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	1.01	1.05

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL	CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE048P13	RATED	1600	1.07	1.07
	LOW	1400	1.05	1.01
	HIGH	1800	1.09	1.14
TWE049E13	RATED	1500	1.08	1.07
	LOW	1300	1.05	0.99
	HIGH	1700	1.10	1.13
TWE060C/D15	RATED	1800	1.04	1.06
	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	1.20
TWE063P13	RATED	1600	1.07	1.07
	LOW	1400	1.04	1.00
	HIGH	1800	1.08	1.13
TWE065E13	RATED	1600	1.09	1.09
	LOW	1400	1.07	1.02
	HIGH	1800	1.10	1.16
TWG042A14	RATED	1500	0.93	0.90
	LOW	1300	0.91	0.85
	HIGH	1700	0.94	0.95
TWG048A14	RATED	1600	1.00	1.00
	LOW	1400	0.98	0.94
	HIGH	1800	1.02	1.05
TWG060A15	RATED	1800	1.05	1.07
	LOW	1575	1.03	1.01
	HIGH	2025	1.06	1.12
TXA048C4	RATED	1400	0.97	0.94
	LOW	1225	0.95	0.88
	HIGH	1575	0.99	0.98
TXA049C4	RATED	1600	0.99	0.98
	LOW	1400	0.97	0.92
	HIGH	1800	1.01	1.03
TXA050C4	RATED	1600	0.99	0.98
	LOW	1400	0.97	0.92
	HIGH	1800	1.01	1.03
TXC048C4	RATED	1400	0.97	0.94
	LOW	1225	0.95	0.88
	HIGH	1575	0.99	0.98
TXC049C4	RATED	1600	0.99	0.98
	LOW	1400	0.97	0.92
	HIGH	1800	1.01	1.03
TXC050C4	RATED	1600	0.99	0.98
	LOW	1400	0.97	0.92
	HIGH	1800	1.01	1.03
TXC054E5	RATED	1700	1.02	1.03
	LOW	1475	1.00	0.97
	HIGH	1925	1.03	1.09
TXH054A4	RATED	1700	1.05	1.08
	LOW	1475	1.03	1.02
	HIGH	1925	1.06	1.15



Performance Data Cooling

2TWR1060A1

2TWR1060A1 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	43.4	48.6	53.3*	54.7*	5.58
	63	57.2	36.7	41.9	47.1	50.6	5.72
	67	61.6	29.1	34.4	39.6	43.1	5.87
	71	66.2	21.4	26.6	31.9	35.4	6.02
95	59	50.5	42.3	47.5	51.4*	52.7*	6.06
	63	54.6	35.5	40.8	46.0	49.4	6.20
	67	58.8	28.0	33.3	38.4	41.9	6.35
	71	63.2	20.3	25.6	30.7	34.2	6.50
105	59	47.4	40.9	46.0	48.9*	50.1*	6.55
	63	51.2	34.1	39.3	44.5	48.0	6.69
	67	55.2	26.6	31.8	37.0	40.5	6.82
	71	59.3	18.9	24.1	29.3	32.8	6.97
115	59	44.3	39.4	44.0	46.3*	47.4*	7.06
	63	47.9	32.6	37.9	43.1	46.6	7.18
	67	51.6	25.1	30.4	35.6	39.0	7.30
	71	55.5	17.4	22.6	27.9	31.4	7.43

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

	AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1650	0.98	0.94
HIGH	2150	1.01	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
TXA060C5	RATED	1700	0.99	0.95	0.95
	LOW	1475	0.96	0.89	0.96
	HIGH	1925	1.01	1.00	0.94
TXA061C5	RATED	1800	1.01	1.00	0.96
	LOW	1575	0.99	0.95	0.97
	HIGH	2025	1.03	1.05	0.95
TXC060C5	RATED	1700	0.99	0.95	0.95
	LOW	1475	0.96	0.89	0.96
	HIGH	1925	1.01	1.00	0.94
TXC061C5	RATED	1800	1.01	1.00	0.96
	LOW	1575	0.99	0.95	0.97
	HIGH	2025	1.03	1.05	0.95
TXH063P3-A	RATED	2000	1.06	1.10	0.99
	LOW	1750	1.04	1.03	1.00
	HIGH	2250	1.07	1.16	0.98
TXH063P3-B	RATED	2000	1.07	1.11	1.00
	LOW	1750	1.05	1.04	1.01
	HIGH	2250	1.08	1.18	0.99

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	MBTUH SEN	SYST KW
TWE042C14	RATED	1600	0.92	0.90	0.93
	LOW	1400	0.89	0.85	0.94
	HIGH	1800	0.94	0.94	0.92
TWE042P13	RATED	1600	0.97	0.94	0.95
	LOW	1400	0.95	0.89	0.96
	HIGH	1800	0.99	0.98	0.94
TWE048C14	RATED	1800	0.98	0.98	0.97
	LOW	1575	0.96	0.93	0.98
	HIGH	2025	1.00	1.02	0.96
TWE048P13	RATED	1800	1.04	1.05	0.98
	LOW	1575	1.02	0.99	0.99
	HIGH	2025	1.07	1.11	0.97
TWE049E13	RATED	1800	1.04	1.05	0.98
	LOW	1575	1.02	0.99	0.99
	HIGH	2025	1.07	1.11	0.97
TWE060C/D15	RATED	1900	1.00	1.00	1.00
	LOW	1650	0.98	0.94	1.01
	HIGH	2150	1.01	1.05	0.99
TWE060P13	RATED	1800	1.04	1.05	0.98
	LOW	1575	1.02	0.99	0.99
	HIGH	2025	1.07	1.11	0.97
TWE063P13	RATED	1800	1.04	1.05	1.01
	LOW	1575	1.02	0.99	1.02
	HIGH	2025	1.05	1.11	1.00
TWE065E13	RATED	1800	1.05	1.06	0.96
	LOW	1575	1.03	1.00	0.97
	HIGH	2025	1.07	1.12	0.95
TWG048A14	RATED	1600	0.94	0.92	0.93
	LOW	1400	0.91	0.87	0.94
	HIGH	1800	0.96	0.96	0.92
TWG060A15	RATED	2000	1.02	1.04	1.01
	LOW	1750	1.00	0.98	1.02
	HIGH	2250	1.03	1.09	1.00



Performance Data Heating

2TWR1018A1

2TWR1018A1 WITH TWE018C14 AT 600 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	5.05	4.98	4.91	1.14	1.17	1.20
7	6.30	6.21	6.12	1.18	1.21	1.24
12	7.55	7.44	7.33	1.22	1.25	1.28
17	8.80	8.67	8.54	1.26	1.29	1.33
22	9.41	9.28	9.14	1.31	1.34	1.38
27	10.03	9.88	9.73	1.36	1.39	1.43
32	10.65	10.49	10.33	1.40	1.44	1.48
37	11.26	11.10	10.93	1.45	1.49	1.52
42	11.88	11.70	11.52	1.50	1.53	1.57
47	16.30	16.06	15.81	1.51	1.55	1.59
52	17.55	17.29	17.02	1.55	1.59	1.63
57	18.80	18.52	18.23	1.59	1.63	1.68
62	20.05	19.75	19.44	1.64	1.68	1.72
67	21.30	20.98	20.66	1.68	1.72	1.76
72	22.55	22.21	21.87	1.72	1.76	1.81

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	525	0.99
HIGH	675	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
TWE030C14	RATED	700	1.04	1.05
	LOW	600	1.01	1.04
	HIGH	800	1.05	1.07
TWE030P13	RATED	700	1.03	1.02
	LOW	600	1.02	1.01
	HIGH	800	1.04	1.04
TWE031E13	RATED	650	1.00	0.94
	LOW	575	0.99	0.93
	HIGH	725	1.01	0.95
TWG018A14	RATED	600	0.99	1.03
	LOW	525	0.98	1.02
	HIGH	675	1.00	1.05
TWG025A14	RATED	700	1.02	1.03
	LOW	600	1.00	1.02
	HIGH	800	1.03	1.05
TWG030A14	RATED	700	1.03	1.04
	LOW	600	1.01	1.03
	HIGH	800	1.04	1.06

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TDD060R9V3+TXH025A4+TAYTXV-3	RATED	600	0.97	0.96
	LOW	525	0.96	0.95
	HIGH	675	0.98	0.98
TDY060R9V3+TXH025A4+TAYTXV-3	RATED	550	0.96	0.96
	LOW	475	0.95	0.95
	HIGH	625	0.97	0.98
TUD060R9V3+TXH025A4+TAYTXV-3	RATED	600	0.97	0.96
	LOW	525	0.96	0.95
	HIGH	675	0.98	0.98
TUY060R9V3+TXH025A4+TAYTXV-3	RATED	600	0.97	0.97
	LOW	525	0.96	0.96
	HIGH	675	0.98	0.99
TVF018A14	RATED	600	1.01	0.99
	LOW	525	1.00	0.98
	HIGH	675	1.02	1.01
TVF024A14	RATED	700	1.04	1.03
	LOW	600	1.02	1.02
	HIGH	800	1.05	1.05
TVF025A14	RATED	700	1.03	1.01
	LOW	600	1.02	1.00
	HIGH	800	1.04	1.03
TVF030A14	RATED	700	1.04	1.02
	LOW	600	1.03	1.01
	HIGH	800	1.06	1.04
TWE018C14	RATED	600	1.00	1.00
	LOW	525	0.99	0.99
	HIGH	675	1.01	1.02
TWE018P13	RATED	600	1.02	1.01
	LOW	525	1.01	1.00
	HIGH	675	1.03	1.02
TWE024C14	RATED	700	1.02	1.06
	LOW	600	1.00	1.05
	HIGH	800	1.03	1.08
TWE024P13	RATED	700	1.03	1.00
	LOW	600	1.01	0.99
	HIGH	800	1.04	1.02



Performance Data Heating

2TWR1024A1

2TWR1024A1 WITH TWE024C14 AT 800 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	9.75	9.62	9.48	1.70	1.74	1.77
7	11.20	11.04	10.89	1.76	1.80	1.84
12	12.65	12.47	12.29	1.83	1.87	1.91
17	14.10	13.90	13.70	1.90	1.94	1.98
22	14.51	14.30	14.09	1.93	1.97	2.01
27	14.91	14.70	14.49	1.96	2.00	2.05
32	15.32	15.10	14.88	2.00	2.04	2.08
37	15.73	15.50	15.28	2.03	2.07	2.12
42	16.13	15.90	15.67	2.06	2.11	2.15
47	22.80	22.47	22.14	2.29	2.34	2.39
52	24.25	23.90	23.54	2.35	2.41	2.46
57	25.70	25.32	24.95	2.42	2.47	2.53
62	27.15	26.75	26.36	2.48	2.54	2.60
67	28.60	28.18	27.76	2.55	2.61	2.67
72	30.05	29.61	29.17	2.62	2.67	2.73

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	700	0.99
HIGH	900	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	800	0.99	0.90
	LOW	700	0.98	0.89
	HIGH	900	1.00	0.91
TDD080R9V3+TXC031E5	RATED	800	0.99	0.89
	LOW	700	0.98	0.89
	HIGH	900	1.00	0.90
TDY060R9V3+TXC031E5	RATED	700	0.98	0.90
	LOW	600	0.97	0.89
	HIGH	800	0.99	0.92
TDY080R9V3+TXC031E5	RATED	700	0.98	0.90
	LOW	600	0.97	0.89
	HIGH	800	0.99	0.92
TUD060R9V3+TXC031E5	RATED	800	1.00	0.91
	LOW	700	0.99	0.90
	HIGH	900	1.01	0.92
TUD080R9V3+TXC031E5	RATED	800	1.00	0.91
	LOW	700	0.99	0.90
	HIGH	900	1.01	0.92
TUY060R9V3+TXC031E5	RATED	700	0.98	0.91
	LOW	600	0.97	0.90
	HIGH	800	0.99	0.93
TUY080R9V3+TXC031E5	RATED	700	0.98	0.90
	LOW	600	0.97	0.89
	HIGH	800	0.99	0.92
TVF018A14	RATED	700	1.00	0.98
	LOW	600	0.98	0.96
	HIGH	800	1.01	1.00
TVF024A14	RATED	800	1.02	0.98
	LOW	700	1.01	0.97
	HIGH	900	1.03	1.00
TVF025A14	RATED	800	1.00	0.96
	LOW	700	0.99	0.95
	HIGH	900	1.01	0.98
TWE018C14	RATED	700	0.97	0.99
	LOW	600	0.95	0.97
	HIGH	800	0.98	1.01

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE018P13	RATED	700	1.00	0.97
	LOW	600	0.99	0.96
	HIGH	800	1.01	0.99
TWE024C14	RATED	800	1.00	1.00
	LOW	700	0.99	0.99
	HIGH	900	1.01	1.02
TWE024P13	RATED	800	1.00	0.95
	LOW	700	0.99	0.94
	HIGH	900	1.01	0.97
TWE030C14	RATED	900	1.02	0.98
	LOW	775	0.99	0.97
	HIGH	1025	1.03	1.00
TWE030P13	RATED	900	1.02	0.97
	LOW	775	1.01	0.96
	HIGH	1025	1.03	0.99
TWE031E13	RATED	800	0.99	0.92
	LOW	700	0.98	0.91
	HIGH	900	1.00	0.94
TWE036C14	RATED	900	1.02	0.98
	LOW	775	1.01	0.97
	HIGH	1025	1.03	1.00
TWE037E13	RATED	800	0.99	0.89
	LOW	700	0.98	0.88
	HIGH	900	1.00	0.90
TWG018A14	RATED	700	0.97	1.00
	LOW	600	0.95	0.98
	HIGH	800	0.98	1.02
TWG025A14	RATED	800	1.00	0.98
	LOW	700	0.99	0.97
	HIGH	900	1.01	1.00
TWG030A14	RATED	900	1.01	1.00
	LOW	775	0.99	0.99
	HIGH	1025	1.02	1.02
TWG036A14	RATED	900	1.03	1.02
	LOW	775	1.01	1.01
	HIGH	1025	1.04	1.04
TXA024C4	RATED	800	1.00	1.01
	LOW	700	0.99	1.00
	HIGH	900	1.01	1.03
TXA025C4	RATED	800	1.01	0.98
	LOW	700	1.00	0.97
	HIGH	900	1.02	1.00
TXC024C4	RATED	800	1.00	1.01
	LOW	700	0.99	1.00
	HIGH	900	1.01	1.03
TXC024D4	RATED	800	1.00	1.01
	LOW	700	0.99	1.00
	HIGH	900	1.01	1.03
TXC025C4	RATED	800	1.01	0.98
	LOW	700	1.00	0.97
	HIGH	900	1.02	1.00
TXC025D4	RATED	800	1.01	0.98
	LOW	700	1.00	0.97
	HIGH	900	1.02	1.00
TXH025A4	RATED	800	1.00	1.01
	LOW	700	0.99	1.00
	HIGH	900	1.01	1.03



Performance Data Heating

2TWR1030A1

2TWR1030A1 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	13.07	12.94	2.25	2.31	2.36
7	15.00	14.85	14.70	2.33	2.38	2.44
12	16.80	16.63	16.47	2.40	2.46	2.52
17	18.60	18.41	18.23	2.48	2.54	2.60
22	19.32	19.13	18.93	2.52	2.59	2.65
27	20.04	19.84	19.64	2.57	2.64	2.70
32	20.76	20.55	20.34	2.62	2.69	2.75
37	21.49	21.27	21.05	2.67	2.74	2.80
42	22.21	21.98	21.76	2.72	2.79	2.85
47	29.40	29.10	28.80	2.93	3.00	3.08
52	31.20	30.88	30.56	3.00	3.08	3.16
57	33.00	32.66	32.32	3.08	3.16	3.24
62	34.80	34.44	34.08	3.16	3.24	3.32
67	36.60	36.22	35.84	3.23	3.31	3.40
72	38.40	38.00	37.60	3.31	3.39	3.48

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	875	0.99
HIGH	1125	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	1000	0.98	0.93
	LOW	875	0.97	0.91
	HIGH	1125	0.99	0.95
TDD060R9V3+TXC036E5	RATED	1000	0.99	0.91
	LOW	875	0.98	0.90
	HIGH	1125	1.00	0.93
TDD080R9V3+TXC031E5	RATED	900	0.97	0.93
	LOW	775	0.96	0.91
	HIGH	1025	0.98	0.95
TDD080R9V3+TXC036E5	RATED	900	0.98	0.91
	LOW	775	0.97	0.89
	HIGH	1025	0.99	0.93
TDY060R9V3+TXC036E5	RATED	900	0.98	0.91
	LOW	775	0.97	0.89
	HIGH	1025	0.99	0.93
TDY080R9V3+TXC031E5	RATED	900	0.98	0.94
	LOW	775	0.97	0.92
	HIGH	1025	0.99	0.96
TDY080R9V3+TXC036E5	RATED	900	0.98	0.92
	LOW	775	0.97	0.90
	HIGH	1025	0.99	0.94
TUD060R9V3+TXC031E5	RATED	1000	0.99	0.95
	LOW	875	0.98	0.93
	HIGH	1125	1.00	0.97
TUD060R9V3+TXC036E5	RATED	1000	0.99	0.93
	LOW	875	0.98	0.92
	HIGH	1125	1.00	0.95
TUD080R9V3+TXC031E5	RATED	1000	0.98	0.93
	LOW	875	0.97	0.91
	HIGH	1125	0.99	0.95
TUD080R9V3+TXC036E5	RATED	1000	0.99	0.91
	LOW	875	0.98	0.90
	HIGH	1125	1.00	0.93
TUY060R9V3+TXC031E5	RATED	900	0.97	0.93
	LOW	775	0.96	0.91
	HIGH	1025	0.98	0.95

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TUY060R9V3+TXC036E5	RATED	900	0.98	0.92
	LOW	775	0.97	0.90
	HIGH	1025	0.99	0.94
TUY080R9V3+TXC031E5	RATED	900	0.97	0.93
	LOW	775	0.96	0.91
	HIGH	1025	0.98	0.94
TUY080R9V3+TXC036E5	RATED	900	0.98	0.91
	LOW	775	0.97	0.89
	HIGH	1025	0.99	0.93
TVF025A14	RATED	900	0.98	0.99
	LOW	775	0.97	0.97
	HIGH	1025	0.99	1.01
TVF030A14	RATED	1000	1.00	0.97
	LOW	875	0.99	0.95
	HIGH	1125	1.01	0.99
TVF036A14	RATED	1100	1.02	0.98
	LOW	950	1.01	0.96
	HIGH	1250	1.03	1.00
TWE024C14	RATED	900	0.95	1.02
	LOW	775	0.93	1.00
	HIGH	1025	0.96	1.05
TWE024P13	RATED	900	0.98	0.98
	LOW	775	0.97	0.96
	HIGH	1025	0.99	1.00
TWE030C14	RATED	1000	1.00	1.00
	LOW	875	0.99	0.98
	HIGH	1125	1.01	1.02
TWE030P13	RATED	900	0.98	0.98
	LOW	775	0.97	0.96
	HIGH	1025	0.99	1.00
TWE031E13	RATED	1000	0.97	0.95
	LOW	875	0.96	0.93
	HIGH	1125	0.98	0.97
TWE036C14	RATED	1100	1.00	1.00
	LOW	950	0.99	0.98
	HIGH	1250	1.01	1.02
TWE036P13	RATED	1100	1.01	0.99
	LOW	950	1.00	0.97
	HIGH	1250	1.02	1.01
TWE037E13	RATED	1000	0.97	0.91
	LOW	875	0.96	0.90
	HIGH	1125	0.98	0.93
TWG025A14	RATED	900	0.96	0.99
	LOW	775	0.95	0.97
	HIGH	1025	0.97	1.02
TWG030A14	RATED	1000	0.98	1.00
	LOW	875	0.97	0.98
	HIGH	1125	0.99	1.02
TWG036A14	RATED	1100	0.99	1.00
	LOW	950	0.98	0.98
	HIGH	1250	1.00	1.02
TWG037A14	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	0.99
	LOW	875	0.99	0.97
	HIGH	1125	1.01	1.01
TXC030C4	RATED	1000	0.98	1.01
	LOW	875	0.97	0.99
	HIGH	1125	0.99	1.03



Performance Data Heating

2TWR1030A1

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	0.99
	LOW	875	0.99	0.97
	HIGH	1125	1.01	1.01
TXC031D4	RATED	1000	1.00	0.99
	LOW	875	0.99	0.97
	HIGH	1125	1.01	1.01

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TXC031E5+BAY24X045	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

2TWR1036A1

2TWR1036A1 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	12.47	12.29	2.42	2.48	2.54
7	15.00	14.78	14.56	2.52	2.58	2.64
12	17.35	17.09	16.83	2.62	2.69	2.75
17	19.70	19.40	19.11	2.72	2.79	2.85
22	20.00	19.70	19.40	2.77	2.84	2.90
27	20.30	19.99	19.68	2.82	2.89	2.96
32	20.60	20.29	19.97	2.87	2.94	3.01
37	20.89	20.58	20.26	2.92	2.99	3.06
42	21.19	20.87	20.55	2.96	3.04	3.11
47	33.80	33.27	32.75	3.32	3.40	3.49
52	36.15	35.59	35.02	3.42	3.51	3.59
57	38.50	37.90	37.30	3.52	3.61	3.70
62	40.85	40.21	39.57	3.62	3.71	3.81
67	43.20	42.52	41.84	3.72	3.82	3.91
72	45.55	44.83	44.12	3.82	3.92	4.02

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.

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TDD060R9V3+TXC031E5	RATED	1200	0.99	0.97
	LOW	1050	0.98	0.96
	HIGH	1350	1.00	0.99
TDD080R9V3+TXC031E5	RATED	1100	0.98	0.96
	LOW	950	0.96	0.94
	HIGH	1250	0.99	0.98
TDY060R9V3+TXC031E5	RATED	1100	0.98	0.96
	LOW	950	0.96	0.94
	HIGH	1250	0.99	0.98
TDY080R9V3+TXC031E5	RATED	1100	0.98	0.97
	LOW	950	0.96	0.96
	HIGH	1250	0.99	0.99
TUD060R9V3+TXC031E5	RATED	1200	0.99	0.98
	LOW	1050	0.98	0.97
	HIGH	1350	1.00	1.00
TUD080R9V3+TXC031E5	RATED	1200	0.99	0.98
	LOW	1050	0.98	0.97
	HIGH	1350	1.00	1.00
TUY060R9V3+TXC031E5	RATED	1100	0.98	0.96
	LOW	950	0.96	0.94
	HIGH	1250	0.99	0.98
TUY080R9V3+TXC031E5	RATED	1000	0.97	0.96
	LOW	875	0.96	0.94
	HIGH	1125	0.98	0.98
TVF030A14	RATED	1100	0.99	1.00
	LOW	950	0.97	0.98
	HIGH	1250	1.00	1.02
TVF036A14	RATED	1200	1.00	1.00
	LOW	1050	0.99	0.99
	HIGH	1350	1.01	1.02
TWE031E13	RATED	1200	0.98	0.99
	LOW	1050	0.97	0.98
	HIGH	1350	0.99	1.01
TWE036C14	RATED	1200	1.00	1.00
	LOW	1050	0.98	0.99
	HIGH	1350	1.01	1.02

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE036P13	RATED	1200	0.99	0.99
	LOW	1050	0.98	0.98
	HIGH	1350	1.00	1.01
TWE037E13	RATED	1200	0.97	0.94
	LOW	1050	0.96	0.93
	HIGH	1350	0.98	0.96
TWE042C14	RATED	1400	1.01	1.01
	LOW	1225	1.00	1.00
	HIGH	1575	1.02	1.03
TWE042P13	RATED	1400	1.02	0.99
	LOW	1225	1.01	0.98
	HIGH	1575	1.03	1.01
TWE048C14	RATED	1400	1.02	1.01
	LOW	1225	1.01	1.00
	HIGH	1575	1.03	1.03
TWG037A14	RATED	1200	0.98	1.01
	LOW	1050	0.96	1.00
	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
TWG048A14	RATED	1400	1.01	0.99
	LOW	1225	1.00	0.98
	HIGH	1575	1.02	1.01
TXA036C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.98
	HIGH	1350	1.01	1.01
TXA037C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.98
	HIGH	1350	1.01	1.01
TXC036C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.98
	HIGH	1350	1.01	1.01
TXC036D4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.98
	HIGH	1350	1.01	1.01
TXC037C4	RATED	1200	1.00	0.99
	LOW	1050	0.99	0.98
	HIGH	1350	1.01	1.01
TXH033A4	RATED	1100	0.98	1.00
	LOW	950	0.96	0.98
	HIGH	1250	0.99	1.02



Performance Data Heating

2TWR1042A1

2TWR1042A1 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	16.74	16.52	2.75	2.82	2.89
7	19.57	19.32	19.07	2.86	2.93	3.00
12	22.18	21.90	21.61	2.97	3.04	3.12
17	24.80	24.48	24.15	3.08	3.16	3.23
22	25.52	25.19	24.85	3.15	3.23	3.31
27	26.24	25.90	25.55	3.22	3.30	3.38
32	26.96	26.61	26.25	3.29	3.37	3.45
37	27.68	27.32	26.95	3.36	3.44	3.53
42	28.40	28.03	27.65	3.43	3.51	3.60
47	40.50	39.96	39.41	3.73	3.83	3.92
52	43.12	42.54	41.96	3.84	3.94	4.04
57	45.73	45.12	44.50	3.95	4.05	4.16
62	48.35	47.70	47.04	4.06	4.16	4.27
67	50.97	50.28	49.59	4.17	4.28	4.39
72	53.58	52.86	52.13	4.28	4.39	4.50

CORRECTION FACTORS FOR OTHER AIRFLOWS (MULTIPLY DATA BY FACTOR)

AIRFLOW	TOTAL CAPACITY	SENSIBLE CAPACITY
LOW	1225	0.99
HIGH	1575	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
TDD080R9V3+TXC036E5	RATED	1300	0.99	0.97
	LOW	1125	0.98	0.95
	HIGH	1475	1.00	0.98
TDD100R9V5+TXC037E5	RATED	1400	0.99	0.95
	LOW	1225	0.98	0.93
	HIGH	1575	1.00	0.97
TDD100R9V5+TXC054E5	RATED	1400	0.99	0.94
	LOW	1225	0.98	0.93
	HIGH	1575	1.00	0.95
TDY100R9V4+TXC037E5	RATED	1200	0.97	0.96
	LOW	1050	0.96	0.94
	HIGH	1350	0.98	0.98
TDY100R9V4+TXC054E5	RATED	1200	0.97	0.94
	LOW	1050	0.96	0.92
	HIGH	1350	0.98	0.96
TUD080R9V3+TXC036E5	RATED	1400	1.00	0.99
	LOW	1225	0.99	0.97
	HIGH	1575	1.01	1.01
TUD100R9V5+TXC037E5	RATED	1400	0.99	0.96
	LOW	1225	0.98	0.94
	HIGH	1575	1.00	0.98
TUD100R9V5+TXC054E5	RATED	1400	0.99	0.95
	LOW	1225	0.98	0.94
	HIGH	1575	1.00	0.97
TUY080R9V3+TXC036E5	RATED	1200	0.97	0.96
	LOW	1050	0.96	0.94
	HIGH	1350	0.98	0.98
TUY100R9V4+TXC037E5	RATED	1200	0.96	0.93
	LOW	1050	0.95	0.91
	HIGH	1350	0.97	0.95
TUY100R9V4+TXC054E5	RATED	1200	0.97	0.93
	LOW	1050	0.96	0.91
	HIGH	1350	0.98	0.95
TVF036A14	RATED	1400	1.01	1.02
	LOW	1225	1.00	1.00
	HIGH	1575	1.02	1.04

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE036C14	RATED	1400	0.98	1.02
	LOW	1225	0.96	1.00
	HIGH	1575	0.99	1.05
TWE036P13	RATED	1400	0.99	1.02
	LOW	1225	0.98	1.00
	HIGH	1575	1.00	1.04
TWE037E13	RATED	1400	0.97	0.97
	LOW	1225	0.96	0.95
	HIGH	1575	0.98	0.99
TWE040E13	RATED	1400	1.00	0.93
	LOW	1225	0.99	0.92
	HIGH	1575	1.01	0.95
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	1.01	1.00
	LOW	1400	1.00	0.99
	HIGH	1800	1.02	1.02
TWE060C/D15	RATED	1600	1.03	1.03
	LOW	1400	1.02	1.02
	HIGH	1800	1.04	1.05
TWG036A14	RATED	1200	0.96	1.04
	LOW	1050	0.94	1.02
	HIGH	1350	0.97	1.06
TWG037A14	RATED	1300	0.96	1.02
	LOW	1125	0.94	1.00
	HIGH	1475	0.97	1.04
TWG042A14	RATED	1400	0.98	1.01
	LOW	1225	0.97	0.99
	HIGH	1575	0.99	1.03
TWG048A14	RATED	1600	1.00	0.99
	LOW	1400	0.99	0.98
	HIGH	1800	1.01	1.01
TWG060A15	RATED	1600	1.03	1.03
	LOW	1400	1.02	1.02
	HIGH	1800	1.04	1.05
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
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
TXH041A4	RATED	1400	0.99	0.98
	LOW	1225	0.98	0.96
	HIGH	1575	1.00	1.00



Performance Data Heating

2TWR1048A1

2TWR1048A1 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	2.99	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	3.40	3.49
22	26.57	26.25	25.92	3.42	3.51	3.59
27	27.53	27.20	26.86	3.52	3.61	3.70
32	28.50	28.15	27.81	3.62	3.71	3.81
37	29.47	29.11	28.75	3.72	3.81	3.91
42	30.44	30.06	29.69	3.81	3.92	4.02
47	45.50	44.93	44.36	4.12	4.22	4.34
52	48.82	48.20	47.59	4.25	4.36	4.47
57	52.13	51.47	50.81	4.38	4.50	4.62
62	55.45	54.75	54.04	4.51	4.63	4.76
67	58.77	58.02	57.27	4.64	4.77	4.90
72	62.08	61.29	60.50	4.78	4.91	5.04

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+TXC037E5	RATED	1600	0.99	0.98
	LOW	1400	0.98	0.96
	HIGH	1800	1.00	1.00
TDD100R9V5+TXC054E5	RATED	1600	0.99	0.97
	LOW	1400	0.98	0.95
	HIGH	1800	1.00	0.99
TDY100R9V4+TXC037E5	RATED	1500	0.98	0.99
	LOW	1300	0.97	0.97
	HIGH	1700	0.99	1.01
TDY100R9V4+TXC054E5	RATED	1500	0.98	0.98
	LOW	1300	0.97	0.96
	HIGH	1700	0.99	1.00
TUD100R9V5+TXC037E5	RATED	1700	0.99	0.99
	LOW	1475	0.98	0.97
	HIGH	1925	1.00	1.01
TUD100R9V5+TXC054E5	RATED	1700	1.00	0.99
	LOW	1475	0.99	0.97
	HIGH	1925	1.01	1.01
TUY100R9V4+TXC037E5	RATED	1400	0.97	0.98
	LOW	1225	0.96	0.96
	HIGH	1575	0.98	1.00
TUY100R9V4+TXC054E5	RATED	1400	0.98	0.97
	LOW	1225	0.97	0.95
	HIGH	1575	0.99	0.99
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

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TWE049E13	RATED	1500	0.99	0.92
	LOW	1300	0.98	0.90
	HIGH	1700	1.00	0.94
TWE060C/D15	RATED	1800	1.03	1.05
	LOW	1575	1.02	1.04
	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	1.00
	LOW	1400	1.01	0.99
	HIGH	1800	1.03	1.02
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	1.01
	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	0.99
	LOW	1400	0.98	0.97
	HIGH	1800	1.00	1.01
TXA050C4	RATED	1600	0.99	0.99
	LOW	1400	0.98	0.97
	HIGH	1800	1.00	1.01
TXC048C4	RATED	1400	0.97	0.98
	LOW	1225	0.96	0.96
	HIGH	1575	0.98	1.00
TXC049C4	RATED	1600	0.99	0.99
	LOW	1400	0.98	0.97
	HIGH	1800	1.00	1.01
TXC050C4	RATED	1600	0.99	0.99
	LOW	1400	0.98	0.97
	HIGH	1800	1.00	1.01
TXC054E5	RATED	1700	1.00	0.99
	LOW	1475	0.99	0.97
	HIGH	1925	1.01	1.01
TXH054A4	RATED	1700	1.00	0.98
	LOW	1475	0.99	0.96
	HIGH	1925	1.01	1.00



Performance Data Heating

2TWR1060A1

2TWR1060A1 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	22.47	22.24	3.72	3.80	3.89
7	26.50	26.22	25.95	3.90	3.99	4.08
12	30.29	29.98	29.66	4.09	4.18	4.28
17	34.09	33.73	33.36	4.27	4.37	4.47
22	35.10	34.72	34.34	4.42	4.53	4.63
27	36.10	35.72	35.33	4.57	4.68	4.79
32	37.11	36.71	36.31	4.72	4.84	4.95
37	38.12	37.71	37.30	4.87	4.99	5.11
42	39.13	38.70	38.28	5.02	5.15	5.27
47	56.86	56.23	55.60	5.38	5.52	5.65
52	60.66	59.98	59.31	5.57	5.71	5.85
57	64.45	63.73	63.01	5.75	5.90	6.04
62	68.25	67.48	66.72	5.93	6.09	6.24
67	72.04	71.23	70.42	6.12	6.28	6.43
72	75.84	74.98	74.13	6.30	6.47	6.63

CORRECTION FACTORS FOR OTHER COMBINATIONS (MULTIPLY DATA BY FACTOR)

INDOOR MODEL		CFM	MBTUH TOT	SYST KW
TXA061C5	RATED	1800	0.97	0.95
	LOW	1575	0.96	0.93
	HIGH	2025	0.98	0.97
TXC060C5	RATED	1700	0.97	0.95
	LOW	1475	0.96	0.93
	HIGH	1925	0.98	0.97
TXC061C5	RATED	1800	0.97	0.95
	LOW	1575	0.96	0.93
	HIGH	2025	0.98	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

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	1.00
	LOW	1400	0.93	0.98
	HIGH	1800	0.95	1.02
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	0.97
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	RATED	1700	0.97	0.95
	LOW	1475	0.96	0.93
	HIGH	1925	0.98	0.97

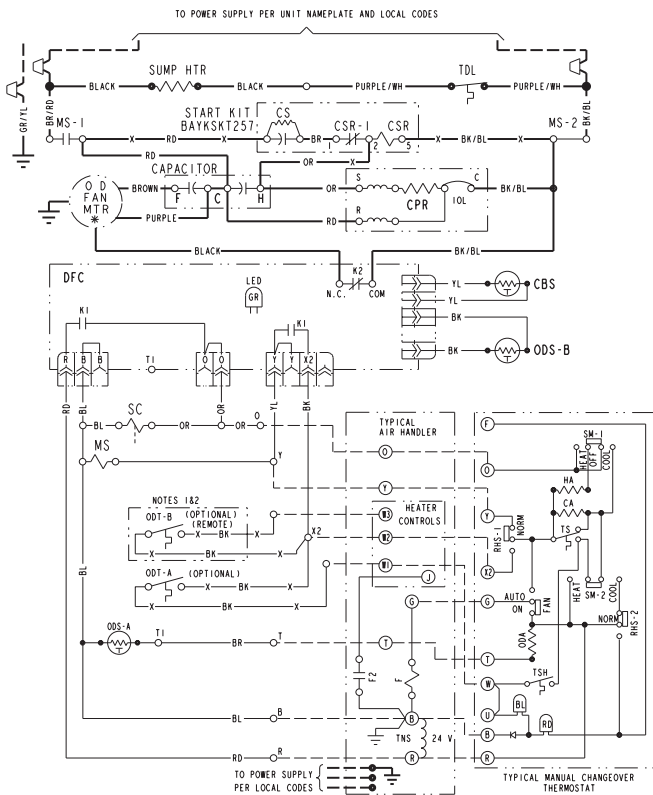


Electrical Data

SCHEMATIC DIAGRAMS

(SEE LEGEND)

2TWR1018-048A



NOTES:

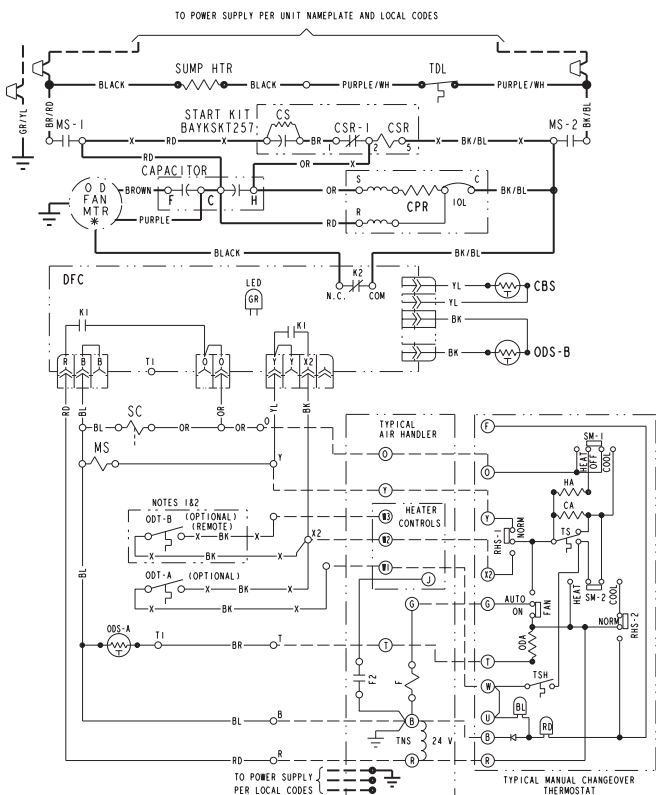
1. IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER. IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

<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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FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

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

2TWR1060A



NOTES:

1. 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.
2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. 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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FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

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






















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		

SYMBOL

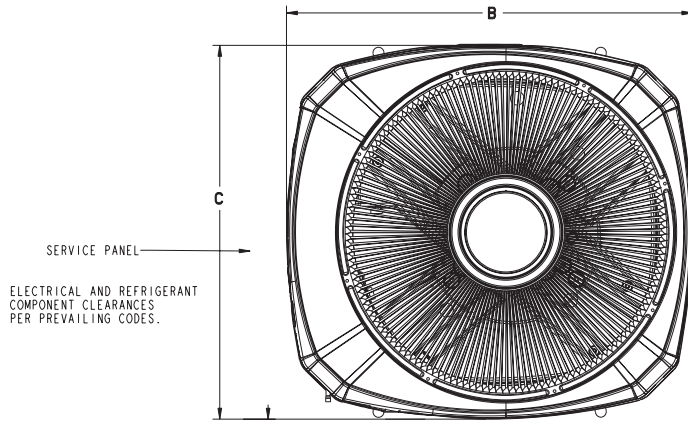
	24 V.	}	FACTORY WIRING
	LINE V.		
	24 V.	}	FIELD WIRING
	LINE V.		
	FIELD INSTALLED FACTORY WIRING		
	GROUND		
	JUNCTION		
	WIRE NUT OR CONNECTOR		
	COIL		
	CAPACITOR		
	RELAY CONTACT (N.O.)		
	RELAY CONTACT (N.C.)		
	THERMISTOR		
	INTERNAL OVERLOAD PROTECTOR		
	PRESSURE ACTUATED SWITCH		
	TEMP. ACTUATED 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	OFT	OUTDOOR FAN THERMOSTAT
CPR	COMPRESSOR	ODS	OUTDOOR TEMPERATURE SENSOR
CR	RUN CAPACITOR	ODT	OUTDOOR THERMOSTAT
CS	STARTING CAPACITOR	RHS	RESISTANCE HEAT SWITCH
CSR	CAPACITOR SWITCHING RELAY	SC	SWITCHOVER VALVE SOLENOID
DFC	DEFROST CONTROL	SM	SYSTEM "ON-OFF" SWITCH
F	INDOOR FAN RELAY	TDL	DISCHARGE LINE THERMOSTAT
HA	HEATING ANTICIPATOR	TNS	TRANSFORMER
HPCO	HIGH PRESSURE CUTOUT SW.	TS	HEATING-COOLING THERMOSTAT
IOL	INTERNAL OVERLOAD PROTECTOR	TSH	HEATING THERMOSTAT

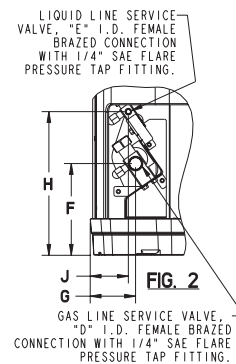
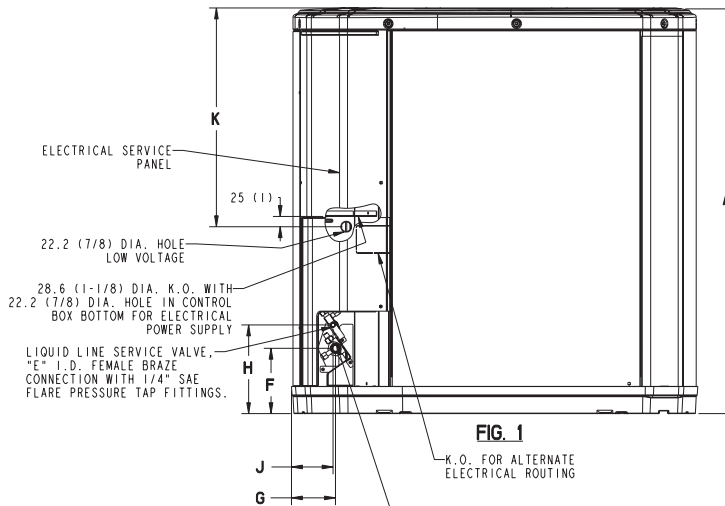
Dimensions

2TWR1 OUTLINE DRAWING

Note: All dimensions are in MM (Inches).



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



MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K
2TWR1018A	2	2	651 (25-5/8)	724 (28-1/2)	651 (25-5/8)	5/8	1/4	127 (5)	57 (2-1/4)	180 (7-1/8)	44 (1-3/4)	457 (18)
2TWR1024A	2	2	651 (25-5/8)	724 (28-1/2)	651 (25-5/8)	3/4	5/16	127 (5)	57 (2-1/4)	180 (7-1/8)	44 (1-3/4)	457 (18)
2TWR1030A	2	2	730 (28-3/4)	724 (28-1/2)	651 (25-5/8)	3/4	5/16	137 (5-3/8)	57 (2-1/4)	210 (8-1/4)	65 (2-5/8)	457 (18)
2TWR1036A	2	2	730 (28-3/4)	724 (28-1/2)	651 (25-5/8)	7/8	3/8	137 (5-3/8)	57 (2-1/4)	210 (8-1/4)	65 (2-5/8)	457 (18)
2TWR1042A	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)
2TWR1048A	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)
2TWR1060A	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)

From Dwg. 21D152898 Rev. 8

Mechanical Specification Options

General

The 2TWR1 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 10 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 10 year limited warranty.

Low Ambient Cooling

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

Accessories

Thermostats — 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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P.I.

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