THP Electric Defrost

60 Hz

HIGH PROFILE EVAPORATOR

PRODUCT DATA & INSTALLATION

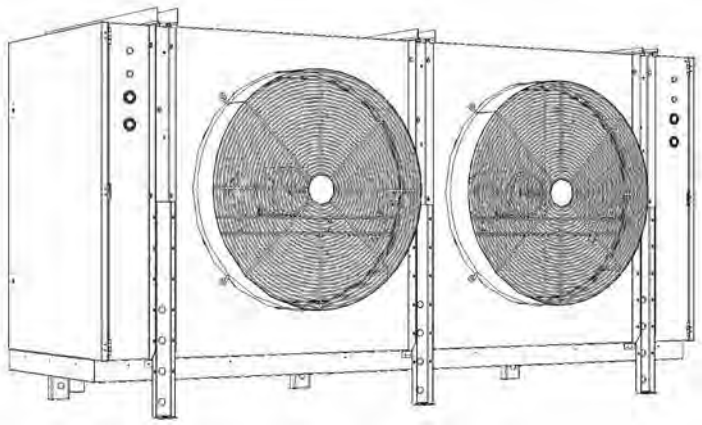
LOW & MEDIUM TEMPERATURE ELECTRIC DEFROST

ELECTRICAL POWER: 208-230/3/60, 460/3/60, 575/3/60

Bulletin T30-THPE-PDI-4

1081589

Questions about this product?
Email: evaps@t-rp.com
Call: 1-844-893-3222 x520



INCLUDES RATINGS FOR LOW GWP REFRIGERANTS

CONTENTS

NOMENCLATURE

T HP 216 L E - T5 A - S B

T = Trenton

High Profile Evaporator

Nominal Capacity x 1000
(standard motor/fan blade)

Application Range
H = Hi / Medium Temp 7 FPI (0°F to 35°F Evap Temp)
M = Medium Temp 6 FPI (0°F to 35°F Evap Temp)
P = Medium Temp 4 FPI (0°F to 35°F Evap Temp)
L = Low Temp 6 FPI (-5°F to -40°F Evap Temp)
V = Low Temp 4 FPI (-5°F to -40°F Evap Temp)

Defrost
E = Electric

Throw Boosters:
N = None
B = Booster

Motor Option:
S = Standard
T = TEFC
E = EC Motor - Packaged Assembly
M = EC Motor - Motor Only
(Conventional Shafted Style Motor)
V = High Velocity†
† Not available on above +15°F Evap. Temp. models

Generation
A = 1st

Voltage:
T3 = 208-230/3/60*
T4 = 460/3/60
T5 = 575/3/60
T7 = 200-220/3/50
T9 = 380-400/3/50
** Not available on all models*

STANDARD FEATURES

- Compatable with Low GWP Refrigerants
- Heavy gauge textured aluminum cabinet with galvanized steel hangers, support channels and end plates
- Hinged access panels with removable hinge pins and captive fasteners.
- Hinged drain pan with removable hinge pins
- Rugged heavy-gauge galvanized steel rail motor mount / support
- Stackable design
- Adjustable defrost termination thermostat
- Heater safety thermostat
- Fixed fan delay thermostat (all low temperature models)
- Adjustable fan delay thermostat (all medium temperature models)
- Improved heater clamping eliminates potential heater creepage
- Schrader fitting and external equalizer line
- Factory installed solenoid valve wire harness
- Unit shipped upright for convenient handling and quick installation.

OPTIONAL FEATURES

- Factory mounted TX valve, solenoid valve and thermostat
- Throw boosters
- Insulated drain pan
- 3 HP 1750 RPM motor with cast aluminum fan blade ideal for blast applications
- EC motors (shafted motor only or packaged) available in two speed or variable speed (Title 24) operation, or controls by others
- TEFC motors
- Optional fin spacing
- Optional fin materials
- Optional coil coating

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CAPACITY DATA
STANDARD 6 F.P.I. MODELS

60Hz

Medium Temperature Models - Capacity @ 6 F.P.I. *

Medium Temp. Models			068ME	081ME	092ME	108ME	123ME	135ME	162ME	181ME	221ME	243ME	271ME
Capacity BTUH *(WATTS)*	Evap Temp. 25°F *(-4°C)*	R407A	62470 *(18297)*	74800 *(21908)*	84180 *(24656)*	9940 *(29102)*	113160 *(33145)*	124200 *(36379)*	149000 *(43654)*	166500 *(48774)*	203300 *(59553)*	223600 *(65481)*	249300 *(73026)*
		R407C	64510 *(18894)*	77235 *(22622)*	86925 *(25460)*	10260 *(30051)*	116850 *(34226)*	128250 *(37565)*	152000 *(45078)*	169800 *(50364)*	207400 *(61494)*	228100 *(67616)*	254300 *(75407)*
		R404A R507	67900 *(19888)*	81300 *(23813)*	91500 *(26800)*	10800 *(31633)*	123000 *(36027)*	135000 *(39542)*	162000 *(47450)*	181000 *(53015)*	221000 *(64731)*	243000 *(71175)*	271000 *(79376)*
		R22	69260 *(20286)*	82930 *(24289)*	93330 *(27336)*	11020 *(32266)*	125500 *(36748)*	137700 *(40333)*	165200 *(48399)*	184600 *(54075)*	225400 *(66026)*	247900 *(72599)*	276400 *(80964)*
		R134a	65863 *(19291)*	78861 *(23099)*	88755 *(25996)*	10476 *(30684)*	119310 *(34946)*	130950 *(38356)*	157140 *(46027)*	175570 *(51425)*	214370 *(62789)*	235710 *(69040)*	262870 *(76995)*
Air Flow	CFM *(L/S)*		16800 *(7928)*	15600 *(7362)*	14700 *(6937)*	15900 *(7503)*	23400 *(11042)*	22000 *(10382)*	23900 *(11278)*	26100 *(12317)*	36300 *(17130)*	34800 *(16422)*	32000 *(15101)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*66 (30)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature Models - Capacity @ 6 F.P.I. *

Low Temp. Models			065LE	078LE	089LE	094LE	118LE	134LE	143LE	161LE	175LE	198LE	216LE	228LE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	59160 *(17326)*	71940 *(21073)*	81880 *(23983)*	86570 *(25357)*	108560 *(31797)*	123300 *(36109)*	131600 *(38534)*	148100 *(43384)*	161000 *(47157)*	182200 *(53354)*	198700 *(58205)*	209800 *(61439)*
		R407C	61090 *(17891)*	74290 *(21760)*	84550 *(24765)*	89395 *(26184)*	112100 *(32834)*	127300 *(37287)*	134200 *(39791)*	151100 *(44799)*	164200 *(48695)*	185800 *(55094)*	202700 *(60103)*	214000 *(63442)*
		R404A R507	64300 *(18833)*	78200 *(22905)*	89000 *(26068)*	94100 *(27562)*	118000 *(34562)*	134000 *(39249)*	143000 *(41885)*	161000 *(47157)*	175000 *(51258)*	198000 *(57994)*	216000 *(63266)*	228000 *(66781)*
		R22	65590 *(19210)*	79760 *(23363)*	90780 *(26589)*	95980 *(28113)*	120400 *(35253)*	136700 *(40034)*	145900 *(42723)*	164200 *(48100)*	178500 *(52283)*	202000 *(59154)*	220300 *(64531)*	232600 *(68117)*
		R134a	62371 *(18268)*	75854 *(22218)*	86330 *(25286)*	91277 *(26735)*	114460 *(33525)*	129980 *(38072)*	138710 *(40628)*	156170 *(45742)*	169750 *(49720)*	192060 *(56254)*	209520 *(61368)*	221160 *(64778)*
Air Flow	CFM *(L/S)*		18900 *(8919)*	17800 *(8400)*	16900 *(7975)*	15930 *(7517)*	26730 *(12614)*	25310 *(11944)*	23890 *(11274)*	26080 *(12307)*	38100 *(17979)*	36290 *(17125)*	34770 (16408)	32000 (15101)
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*92 (42)*	*116 (53)*	*130 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

CAPACITY DATA
STANDARD 4 F.P.I. MODELS (cont'd)

Medium Temperature Models - Capacity @ 4 F.P.I. *

Medium Temp. 4 FPI Models			059PE	072PE	083PE	091PE	109PE	122PE	137PE	150PE	164PE	200PE	222PE	256PE
Capacity BTUH *(WATTS)*	Evap Temp. 25°F *(-4°C)*	R407A	54280 *(15899)*	66240 *(19402)*	75990 *(22258)*	83720 *(24522)*	100280 *(29372)*	112200 *(32875)*	126000 *(36917)*	138000 *(40420)*	150900 *(44193)*	184000 *(53894)*	204200 *(59822)*	235500 *(68983)*
		R407C	56050 *(16417)*	68400 *(20035)*	78470 *(22984)*	86450 *(25321)*	103550 *(30330)*	115900 *(33947)*	128500 *(38121)*	140800 *(41738)*	153900 *(45634)*	187700 *(55651)*	208300 *(61773)*	240200 *(71233)*
		R404A R507	59000 *(17281)*	72000 *(21089)*	82600 *(24194)*	91000 *(26654)*	109000 *(31926)*	122000 *(35734)*	137000 *(40127)*	150000 *(43935)*	164000 *(48036)*	200000 *(58580)*	222000 *(65024)*	256000 *(74982)*
		R22	60180 *(17627)*	73440 *(21511)*	84250 *(24678)*	92820 *(27187)*	111200 *(32565)*	124400 *(36449)*	139700 *(40930)*	153000 *(44814)*	167300 *(48997)*	204000 *(59752)*	226400 *(66324)*	261100 *(76482)*
		R134a	57230 *(16763)*	69840 *(20456)*	80122 *(23468)*	88270 *(25854)*	105730 *(30968)*	118340 *(34662)*	132890 *(38923)*	145500 *(42617)*	159080 *(46595)*	194000 *(56823)*	215340 *(63073)*	248320 *(72733)*
Air Flow	CFM *(L/S)*		17500 *(8258)*	16500 *(7786)*	15600 *(7362)*	14800 *(6984)*	24800 *(11703)*	23400 *(11042)*	22300 *(10523)*	28600 *(13496)*	27500 *(12977)*	38100 *(17979)*	36600 *(17272)*	34400 *(16233)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*62 (28)*	*81 (36)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature Models - Capacity @ 4 F.P.I. *

Low Temp. 4 FPI Models			055VE	066VE	076VE	087VE	100VE	114VE	127VE	145VE	172VE	187VE	217VE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	50600 *(15899)*	60720 *(19132)*	69920 *(22905)*	80040 *(25869)*	92000 *(32395)*	104900 *(35300)*	116800 *(36917)*	133400 *(43654)*	158200 *(52008)*	172000 *(58205)*	199600 *(65211)*
		R407C	52250 *(16417)*	62700 *(19756)*	72200 *(23652)*	82650 *(26712)*	95000 *(33451)*	108300 *(36452)*	119100 *(38121)*	136100 *(45078)*	161400 *(53704)*	175400 *(60103)*	203600 *(67338)*
		R404A R507	55000 *(17281)*	66000 *(20796)*	76000 *(24897)*	87000 *(28118)*	100000 *(35212)*	114000 *(38370)*	127000 *(40127)*	145000 *(47450)*	172000 *(56530)*	187000 *(63266)*	217000 *(70882)*
		R22	56100 *(17627)*	67320 *(21212)*	77520 *(25395)*	88740 *(28680)*	102000 *(35916)*	116300 *(39137)*	129500 *(40930)*	147900 *(48399)*	175400 *(57661)*	190700 *(64531)*	221300 *(72300)*
		R134a	53350 *(16763)*	64020 *(20172)*	73720 *(24150)*	84390 *(27274)*	97000 *(34156)*	110580 *(37219)*	123190 *(38923)*	140650 *(46027)*	166840 *(54834)*	181390 *(61368)*	210490 *(68756)*
Air Flow	CFM *(L/S)*		19500 *(9202)*	18600 *(8777)*	17800 *(8400)*	17000 *(8022)*	27900 *(13166)*	26700 *(12600)*	25500 *(12033)*	27400 *(12930)*	38100 *(17979)*	36600 *(17272)*	34400 *(16233)*
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*116 (53)*	*139 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

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ELECTRICAL DATA
STANDARD MODELS - 208-230/3/60

60Hz

MODEL	FPI	FAN MOTORS										DEFROST HEATERS									
				STANDARD				ECM *				WATTS	CIRCUIT #1			CIRCUIT #2			CIRCUIT #3		
		QTY	HP	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)		AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)
THP068ME-T3A		2	1	9.6	2200	10.8	15	12.4	1740	14	20	17150	46.1	57.7	60	-	-	-	-	-	-
THP081ME-T3A		2	1	9.6	2200	10.8	15	12.4	1740	14	20	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP092ME-T3A		2	1	9.6	2200	10.8	15	12.4	1740	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP108ME-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP123ME-T3A		3	1	14.4	3300	15.6	20	18.6	2610	20.2	25	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP135ME-T3A		3	1	14.4	3300	15.6	20	18.6	2610	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP162ME-T3A		3	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP181ME-T3A		3+	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP221ME-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP243ME-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP271ME-T3A		4	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THP065LE-T3A	6	2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	17150	46.1	57.7	60	-	-	-	-	-	-
THP078LE-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP089LE-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP094LE-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP118LE-T3A		3	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP134LE-T3A		3	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP143LE-T3A		3	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP161LE-T3A		3+	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP175LE-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	37600	35.4	44.3	45	35.4	44.3	45	35.4	44.3	45
THP198LE-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP216LE-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP228LE-T3A		4	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THP059PE-T3A		2	1	9.6	2200	10.8	15	12.4	1740	14	20	17150	46.1	57.7	60	-	-	-	-	-	-
THP072PE-T3A		2	1	9.6	2200	10.8	15	12.4	1740	14	20	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP083PE-T3A		2	1	9.6	2200	10.8	15	12.4	1740	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP091PE-T3A		2	1	9.6	2200	10.8	15	12.4	1740	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP109PE-T3A		3	1	14.4	3300	15.6	20	18.6	2610	20.2	25	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP122PE-T3A		3	1	14.4	3300	15.6	20	18.6	2610	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP137PE-T3A		3	1	14.4	3300	15.6	20	18.6	2610	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP150PE-T3A		3+	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP164PE-T3A		3+	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP200PE-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP222PE-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP256PE-T3A	4	4	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THP055VE-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	17150	46.1	57.7	60	-	-	-	-	-	-
THP066VE-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP076VE-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP087VE-T3A		2	1.5	11.2	2880	15.1	20	12.4	2560	14	20	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP100VE-T3A		3	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP114VE-T3A		3	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP127VE-T3A		3	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP145VE-T3A		3+	1.5	16.8	4320	20.1	25	18.6	3840	20.2	25	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP172VE-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP187VE-T3A		4	1.5	22.4	5760	30.1	35	24.8	5120	30.1	35	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP217VE-T3A		4	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
3+ indicates 3-fan "long" configuration (see dimensional data for details)
*** = data is same for either "E" or "M" models (see nomenclature, page 2)**

THP

ELECTRICAL DATA
STANDARD MODELS - 460/3/60

60Hz

MODEL	FPI	FAN MOTORS										DEFROST HEATERS						
				STANDARD				ECM *					CIRCUIT #1			CIRCUIT #2		
		QTY	HP	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)	WATTS	AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)
THP068ME-T4A		2	1	4.8	2200	5.4	15	6.2	1740	7	15	17150	23.2	29.0	30	-	-	-
THP081ME-T4A		2	1	4.8	2200	5.4	15	6.2	1740	7	15	19600	27.7	34.6	35	-	-	-
THP092ME-T4A		2	1	4.8	2200	5.4	15	6.2	1740	7	15	24500	32.4	40.5	45	-	-	-
THP108ME-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	24500	32.4	40.5	45	-	-	-
THP123ME-T4A		3	1	7.2	3300	7.8	15	9.3	2610	10.1	15	28000	39.5	49.4	50	-	-	-
THP135ME-T4A		3	1	7.2	3300	7.8	15	9.3	2610	10.1	15	35000	46.3	57.9	60	-	-	-
THP162ME-T4A		3	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	35000	46.3	57.9	60	-	-	-
THP181ME-T4A		3+	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	36000	47.6	59.5	60	-	-	-
THP221ME-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP243ME-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP271ME-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	56400	35.4	44.3	45	35.4	44.3	45
THP065LE-T4A	6	2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	17150	23.2	29.0	30	-	-	-
THP078LE-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	19600	27.7	34.6	35	-	-	-
THP089LE-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	24500	32.4	40.5	45	-	-	-
THP094LE-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	24500	32.4	40.5	45	-	-	-
THP118LE-T4A		3	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	28000	39.5	49.4	50	-	-	-
THP134LE-T4A		3	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	35000	46.3	57.9	60	-	-	-
THP143LE-T4A		3	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	35000	46.3	57.9	60	-	-	-
THP161LE-T4A		3+	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	36000	47.6	59.5	60	-	-	-
THP175LE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	37600	27.0	33.8	40	27.0	33.8	40
THP198LE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP216LE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP228LE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	56400	35.4	44.3	45	35.4	44.3	45
THP059PE-T4A		2	1	4.8	2200	5.4	15	6.2	1740	7	15	17150	23.2	29.0	30	-	-	-
THP072PE-T4A		2	1	4.8	2200	5.4	15	6.2	1740	7	15	19600	27.7	34.6	35	-	-	-
THP083PE-T4A		2	1	4.8	2200	5.4	15	6.2	1740	7	15	24500	32.4	40.5	45	-	-	-
THP091PE-T4A		2	1	4.8	2200	5.4	15	6.2	1740	7	15	24500	32.4	40.5	45	-	-	-
THP109PE-T4A		3	1	7.2	3300	7.8	15	9.3	2610	10.1	15	28000	39.5	49.4	50	-	-	-
THP122PE-T4A		3	1	7.2	3300	7.8	15	9.3	2610	10.1	15	35000	46.3	57.9	60	-	-	-
THP137PE-T4A		3	1	7.2	3300	7.8	15	9.3	2610	10.1	15	35000	46.3	57.9	60	-	-	-
THP150PE-T4A		3+	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	36000	47.6	59.5	60	-	-	-
THP164PE-T4A		3+	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	36000	47.6	59.5	60	-	-	-
THP200PE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP222PE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP256PE-T4A	4	4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	56400	35.4	44.3	45	35.4	44.3	45
THP055VE-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	17150	23.2	29.0	30	-	-	-
THP066VE-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	19600	27.7	34.6	35	-	-	-
THP076VE-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	24500	32.4	40.5	45	-	-	-
THP087VE-T4A		2	1.5	5.6	2980	6.3	15	6.2	2560	7	15	24500	32.4	40.5	45	-	-	-
THP100VE-T4A		3	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	28000	39.5	49.4	50	-	-	-
THP114VE-T4A		3	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	35000	46.3	57.9	60	-	-	-
THP127VE-T4A		3	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	35000	46.3	57.9	60	-	-	-
THP145VE-T4A		3+	1.5	8.4	4470	9.1	15	9.3	3840	10.1	15	36000	47.6	59.5	60	-	-	-
THP172VE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP187VE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	47000	35.4	44.3	45	35.4	44.3	45
THP217VE-T4A		4	1.5	11.2	5960	15.1	20	12.4	5120	15.1	20	56400	35.4	44.3	45	35.4	44.3	45

NOTES:
3+ indicates 3-fan "long" configuration (see dimensional data for details)
*** = data is same for either "E" or "M" models (see nomenclature, page 2)**

THP

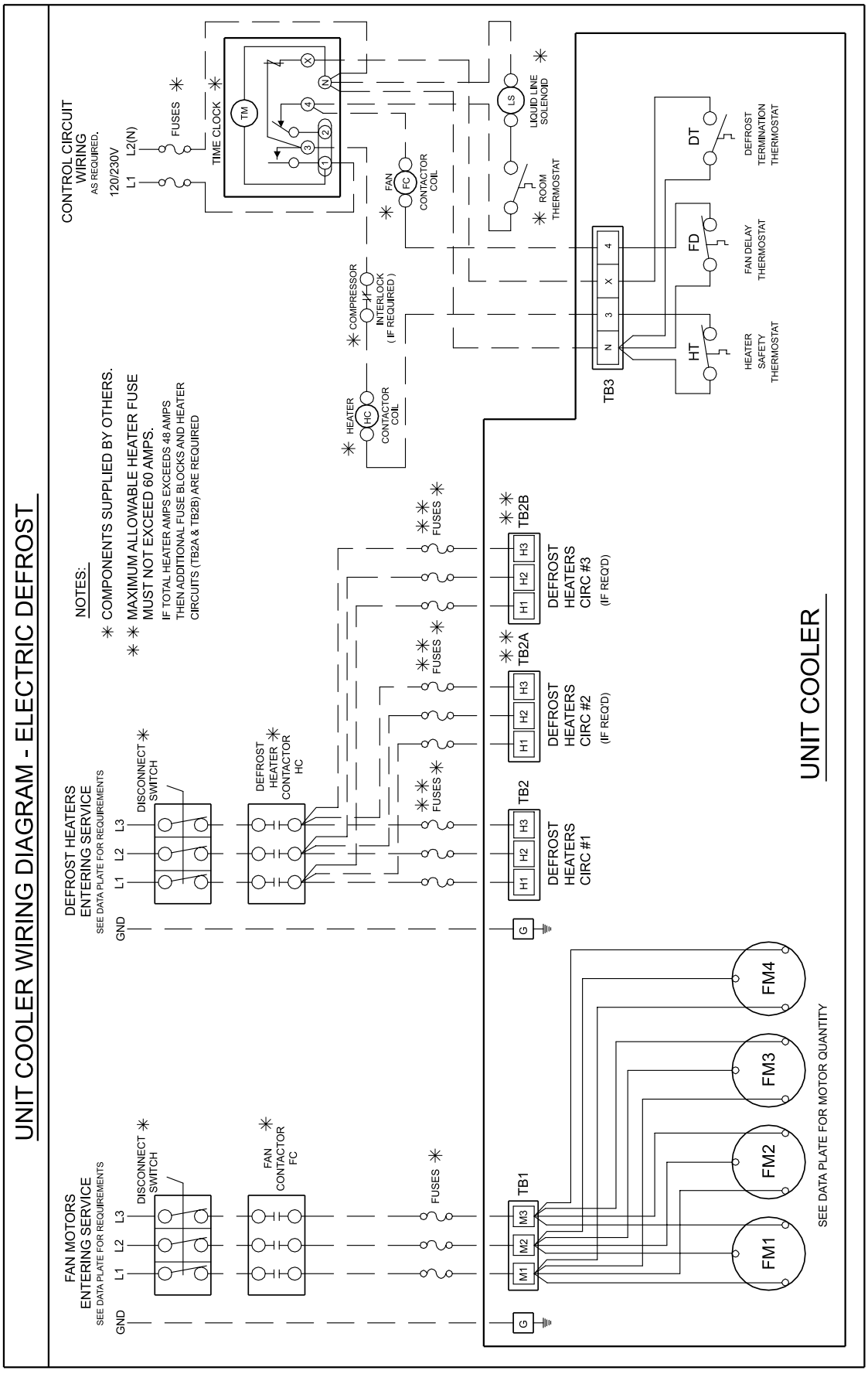
ELECTRICAL DATA
STANDARD MODELS - 575/3/60

60Hz

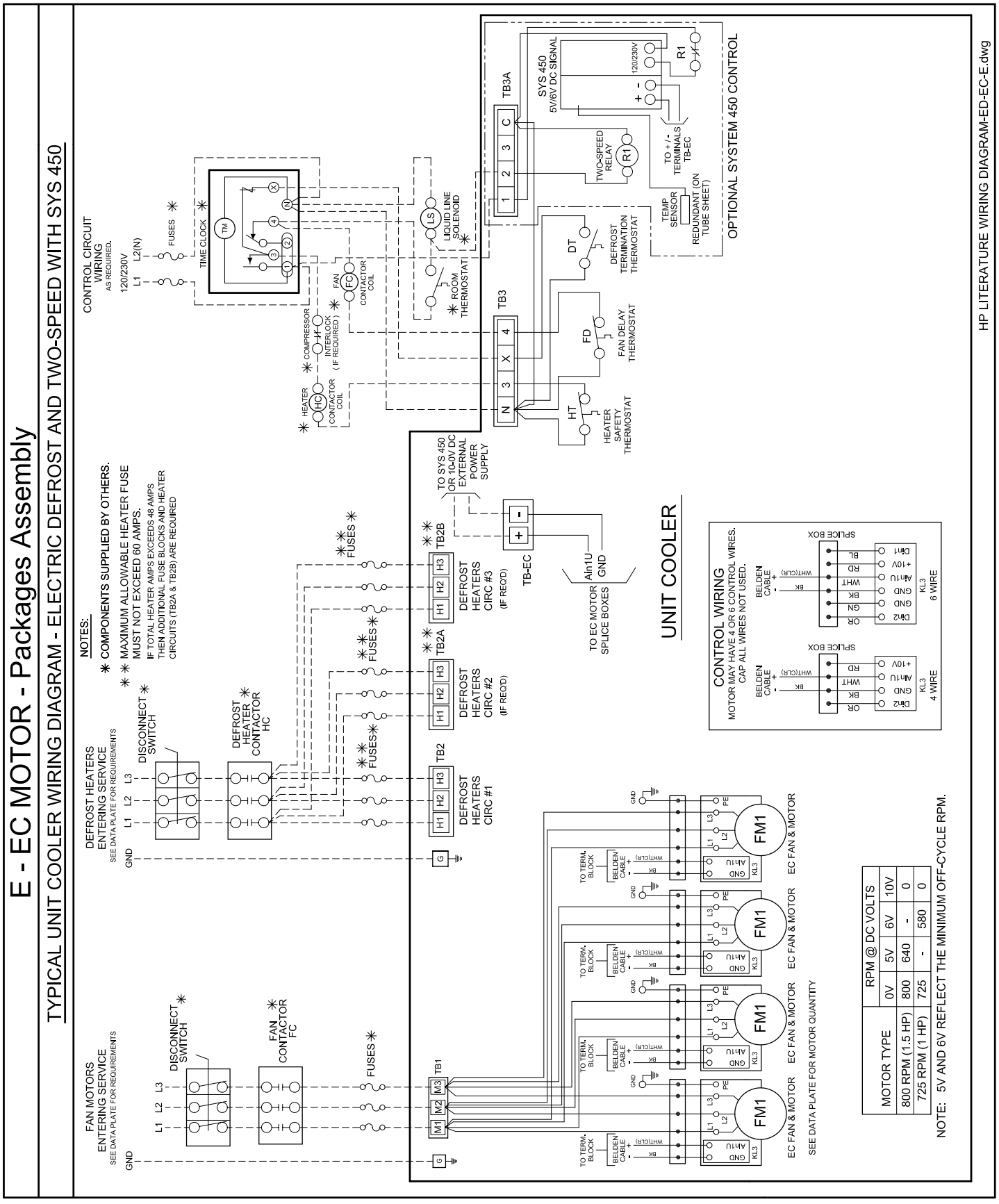
MODEL	FPI	FAN MOTORS - 575/3/60						DEFROST HEATERS						
								WATTS	CIRCUIT #1			CIRCUIT #2		
		FAN MOTOR QTY	HP	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)		AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)
THP068ME-T5A		2	1	4.8	2180	5.4	15	17150	18.6	23.2	25.0	-	-	-
THP081ME-T5A		2	1	4.8	2180	5.4	15	19600	22.1	27.6	30.0	-	-	-
THP092ME-T5A		2	1	4.8	2180	5.4	15	24500	25.9	32.4	35.0	-	-	-
THP108ME-T5A		2	1.5	4.6	2860	5.2	15	24500	25.9	32.4	35.0	-	-	-
THP123ME-T5A		3	1	7.2	3270	7.8	15	28000	31.6	39.5	40.0	-	-	-
THP135ME-T5A		3	1	7.2	3270	7.8	15	35000	37.0	46.3	50.0	-	-	-
THP162ME-T5A		3	1.5	6.9	4290	7.5	15	35000	37.0	46.3	50.0	-	-	-
THP181ME-T5A		3+	1.5	6.9	4290	7.5	15	36000	38.1	47.6	50.0	-	-	-
THP221ME-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP243ME-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP271ME-T5A		4	1.5	9.2	5720	9.8	15	56400	28.3	35.4	40.0	28.3	35.4	40.0
THP065LE-T5A	6	2	1.5	4.6	2860	5.2	15	17150	18.6	23.2	25.0	-	-	-
THP078LE-T5A		2	1.5	4.6	2860	5.2	15	19600	22.1	27.6	30.0	-	-	-
THP089LE-T5A		2	1.5	4.6	2860	5.2	15	24500	25.9	32.4	35.0	-	-	-
THP094LE-T5A		2	1.5	4.6	2860	5.2	15	24500	25.9	32.4	35.0	-	-	-
THP118LE-T5A		3	1.5	6.9	4290	7.5	15	28000	31.6	39.5	40.0	-	-	-
THP134LE-T5A		3	1.5	6.9	4290	7.5	15	35000	37.0	46.3	50.0	-	-	-
THP143LE-T5A		3	1.5	6.9	4290	7.5	15	35000	37.0	46.3	50.0	-	-	-
THP161LE-T5A		3+	1.5	6.9	4290	7.5	15	36000	38.1	47.6	50.0	-	-	-
THP175LE-T5A		4	1.5	9.2	5720	9.8	15	37600	42.5	53.1	60.0	-	-	-
THP198LE-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP216LE-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP228LE-T5A		4	1.5	9.2	5720	9.8	15	56400	28.3	35.4	40.0	28.3	35.4	40.0
THP059PE-T5A		2	1	4.8	2180	5.4	15	17150	18.6	23.2	25.0	-	-	-
THP072PE-T5A		2	1	4.8	2180	5.4	15	19600	22.1	27.6	30.0	-	-	-
THP083PE-T5A		2	1	4.8	2180	5.4	15	24500	25.9	32.4	35.0	-	-	-
THP091PE-T5A		2	1	4.8	2180	5.4	15	24500	25.9	32.4	35.0	-	-	-
THP109PE-T5A		3	1	7.2	3270	7.8	15	28000	31.6	39.5	40.0	-	-	-
THP122PE-T5A		3	1	7.2	3270	7.8	15	35000	37.0	46.3	50.0	-	-	-
THP137PE-T5A		3	1	7.2	3270	7.8	15	35000	37.0	46.3	50.0	-	-	-
THP150PE-T5A		3+	1.5	6.9	4290	7.5	15	36000	38.1	47.6	50.0	-	-	-
THP164PE-T5A		3+	1.5	6.9	4290	7.5	15	36000	38.1	47.6	50.0	-	-	-
THP200PE-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP222PE-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP256PE-T5A	4	4	1.5	9.2	5720	9.8	15	56400	28.3	35.4	40.0	28.3	35.4	40.0
THP055VE-T5A		2	1.5	4.6	2860	5.2	15	17150	18.6	23.2	25.0	-	-	-
THP066VE-T5A		2	1.5	4.6	2860	5.2	15	19600	22.1	27.6	30.0	-	-	-
THP076VE-T5A		2	1.5	4.6	2860	5.2	15	24500	25.9	32.4	35.0	-	-	-
THP087VE-T5A		2	1.5	4.6	2860	5.2	15	24500	25.9	32.4	35.0	-	-	-
THP100VE-T5A		3	1.5	6.9	4290	7.5	15	28000	31.6	39.5	40.0	-	-	-
THP114VE-T5A		3	1.5	6.9	4290	7.5	15	35000	37.0	46.3	50.0	-	-	-
THP127VE-T5A		3	1.5	6.9	4290	7.5	15	35000	37.0	46.3	50.0	-	-	-
THP145VE-T5A		3+	1.5	6.9	4290	7.5	15	36000	38.1	47.6	50.0	-	-	-
THP172VE-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP187VE-T5A		4	1.5	9.2	5720	9.8	15	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP217VE-T5A		4	1.5	9.2	5720	9.8	15	56400	28.3	35.4	40.0	28.3	35.4	40.0

NOTE: 3+ indicates 3-fan “long” configuration (see dimensional data for details)

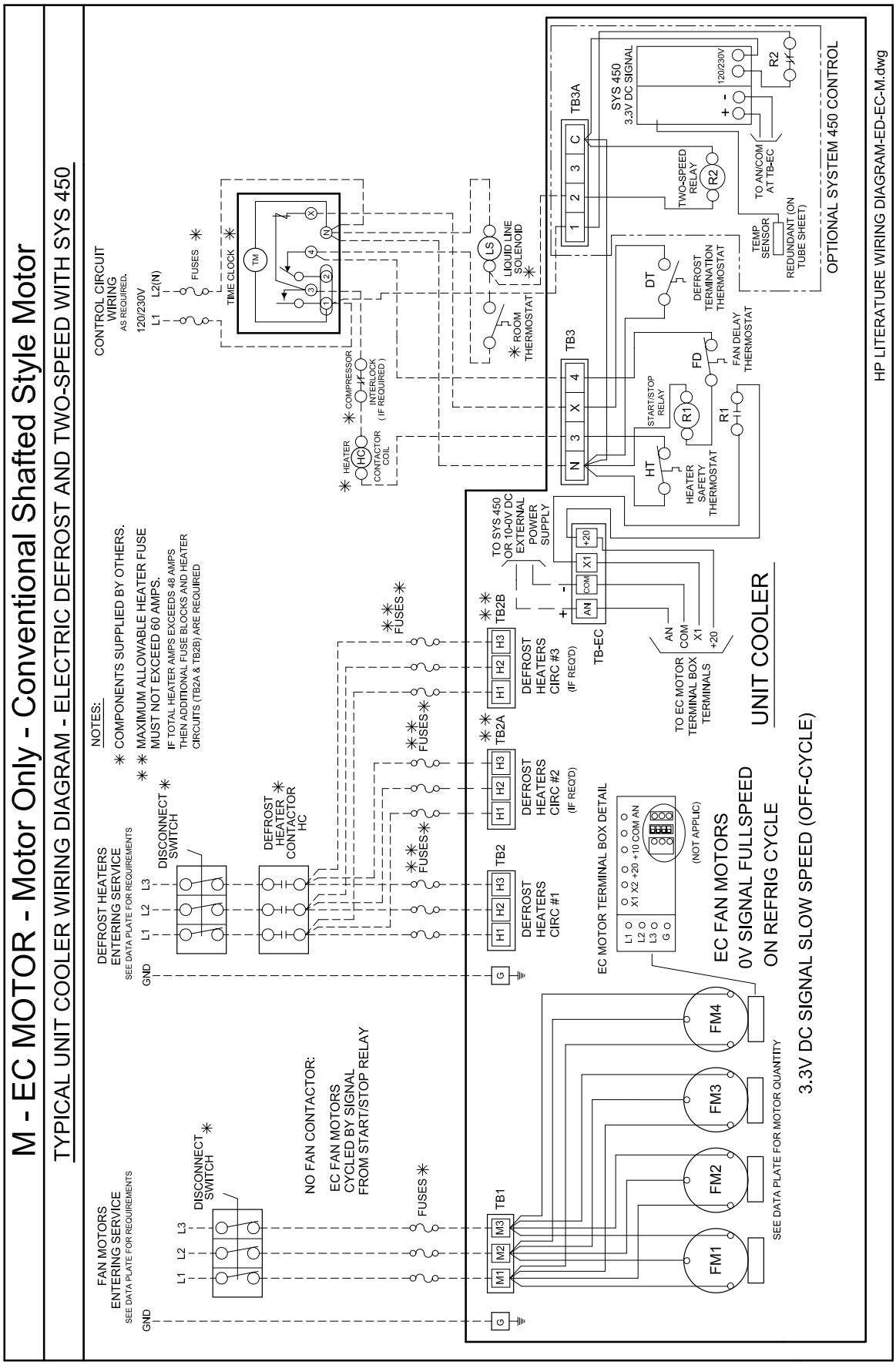
WIRING DIAGRAM
STANDARD UNITS



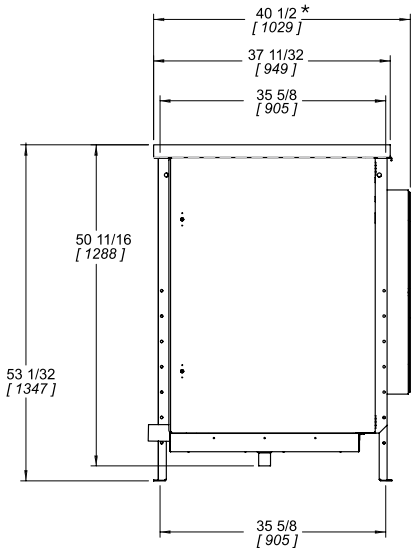
WIRING DIAGRAM
"E"- EC Motor - Packaged Assembly

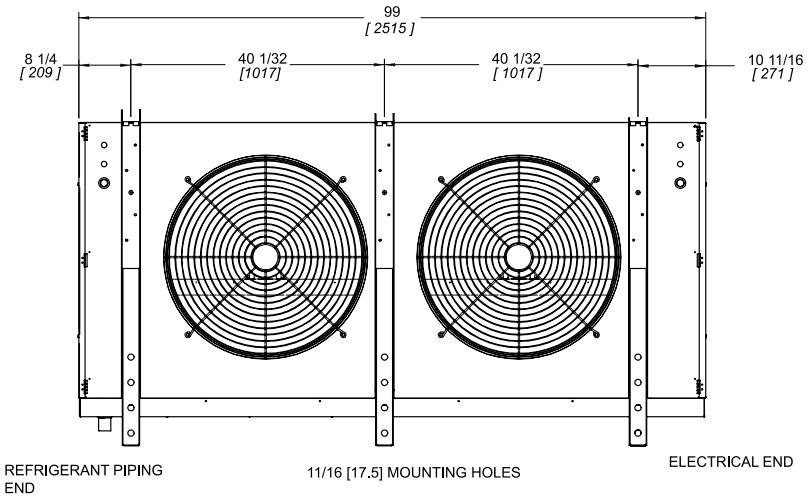


WIRING DIAGRAM
"M" - EC Motor - Motor Only
(Conventional Shafted Style Motor)



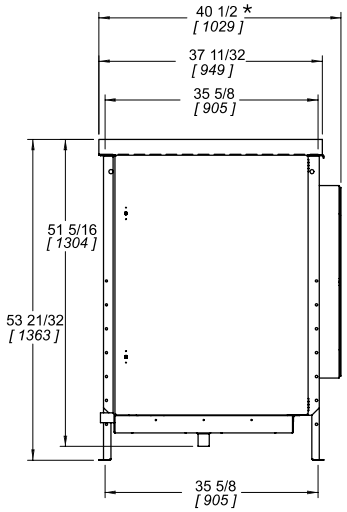
2 Fan Models

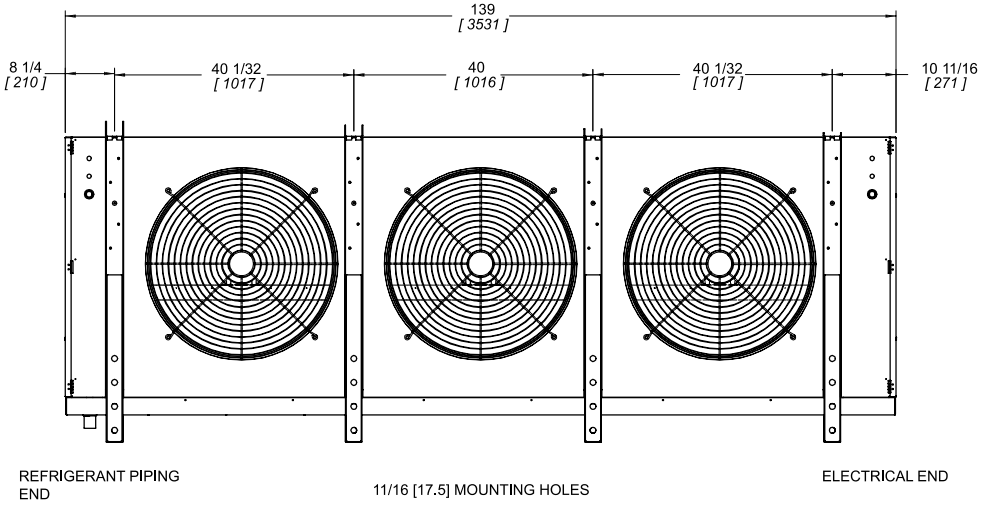




* Add 15” *(381)* when optional Throw Booster used.

3 Fan Models

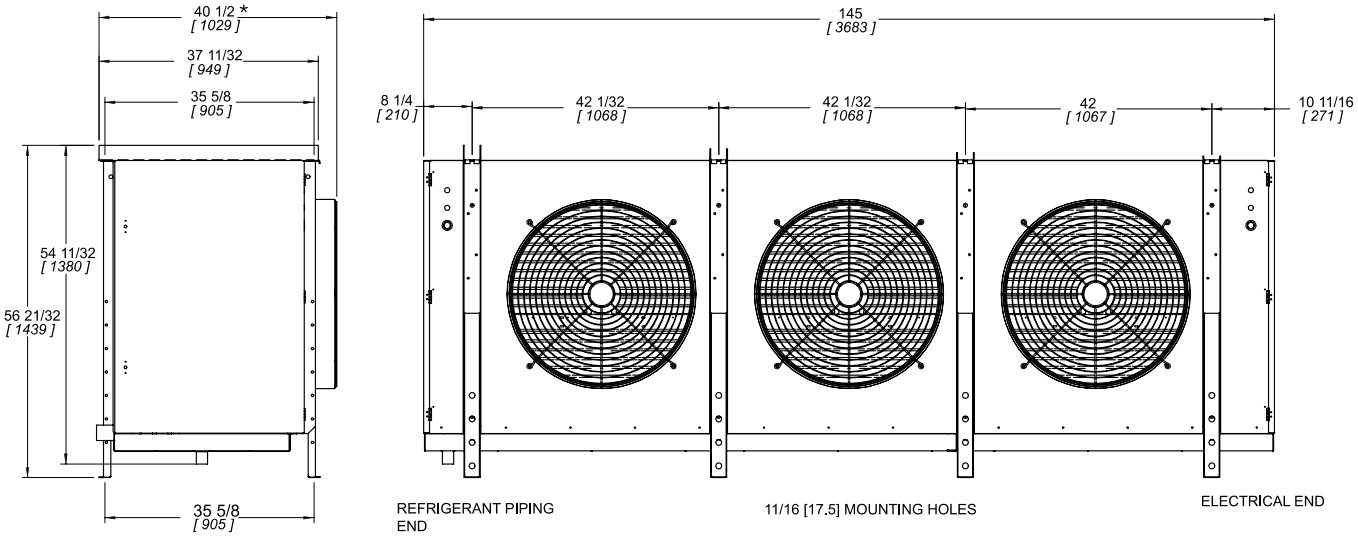




* Add 15” *(381)* when optional Throw Booster used.

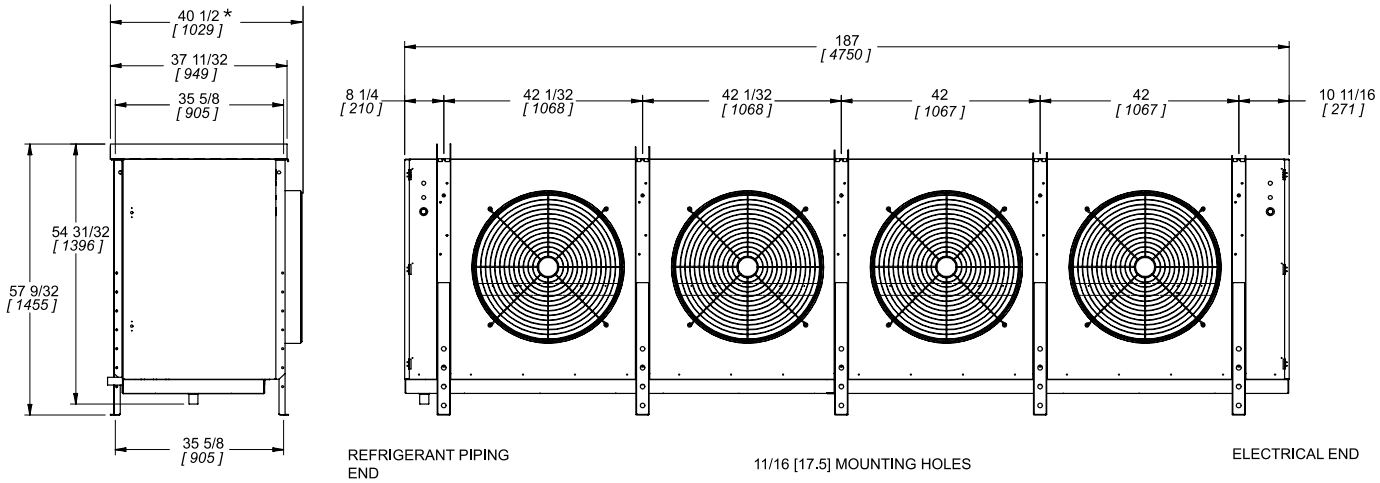
Drain connections 1-1/4” FPT.

3 Fan (Long) Models



* Add 15” *(381)* when optional Throw Booster used.

4 Fan Models



* Add 15” *(381)* when optional Throw Booster used.

Drain connections 1-1/4” FPT.

SPECIFICATIONS - 6 F.P.I. MODELS

Medium Temperature Models - 6 F.P.I.

Medium Temp. 6 FPI Models		068ME	081ME	092ME	108ME	123ME	135ME	162ME	181ME	221ME	243ME	271ME
Number Of Fans		2	2	2	2	3	3	3	3	4	4	4
Distributor Conn. (OD Sweat)	Inches (mm)	1-1/8 (29)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-5/8 (41)
Suction Conn. (OD Sweat)	Inches (mm)	1-3/8 (35)	1-5/8 (41)	1-5/8 (41)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)
Approx. Net Weight	LB. (KG)	689 (313)	731 (332)	774 (352)	816 (371)	1049 (477)	1113 (507)	1177 (535)	1272 (577)	1558 (707)	1664 (755)	1876 (851)

Low Temperature Models - 6 F.P.I.

Low Temp. 6 FPI Models		065LE	078LE	089LE	094LE	118LE	134LE	143LE	161LE	175LE	198LE	216LE	228LE
Number Of Fans		2	2	2	2	3	3	3	3	4	4	4	4
Distributor Conn. (OD Sweat)	Inches (mm)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)
Suction Conn. (OD Sweat)	Inches (mm)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)	3-1/8 (80)	3-1/8 (80)	3-1/8 (80)
Approx. Net Weight	LB. (KG)	689 (313)	731 (332)	744 (352)	816 (371)	1049 (477)	1113 (507)	1177 (535)	1272 (577)	1452 (659)	1558 (707)	1664 (755)	1876 (851)

SPECIFICATIONS - 4 F.P.I. MODELS

Medium Temperature Models - 4 F.P.I.

Medium Temp. 4 FPI Models		059PE	072PE	083PE	091PE	109PE	122PE	137PE	150PE	164PE	200PE	222PE	256PE
Number Of Fans		2	2	2	2	3	3	3	3	3	4	4	4
Distributor Conn. (OD Sweat)	Inches (mm)	1-1/8 (29)	1-1/8 (29)	1-1/8 (29)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-5/8 (41)
Suction Conn. (OD Sweat)	Inches (mm)	1-3/8 (35)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)
Approx. Net Weight	LB. (KG)	689 (313)	731 (332)	744 (352)	816 (371)	1049 (477)	1113 (507)	1177 (535)	1272 (577)	1452 (659)	1558 (707)	1664 (755)	1876 (851)

Low Temperature Models - 4 F.P.I.

Low Temp. 4 FPI Models		055VE	066VE	076VE	087VE	100VE	114VE	127VE	145VE	172VE	187VE	217VE
Number Of Fans		2	2	2	2	3	3	3	3	4	4	4
Distributor Conn. (OD Sweat)	Inches (mm)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-3/8 (35)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)	1-5/8 (41)
Suction Conn. (OD Sweat)	Inches (mm)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-1/8 (54)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)	2-5/8 (67)	3-1/8 (80)	3-1/8 (80)
Approx. Net Weight	LB. (KG)	678 (307)	710 (322)	742 (337)	784 (356)	1018 (461)	1071 (485)	1124 (510)	1219 (552)	1505 (683)	1601 (726)	1780 (808)

THP INSTALLATION INSTRUCTIONS 60Hz

The installation and start-up of evaporators should only be performed by qualified refrigeration mechanics.
This equipment should be installed in accordance with all applicable codes, ordinances and local by-laws

INSPECTION Inspect all equipment before unpacking for visible signs of damage or loss. Check shipping list against material received to ensure shipment is complete.

IMPORTANT: Remember, you, the consignee, must make any claim necessary against the transportation company. Shipping damage or missing parts, when discovered at the outset, will prevent later unnecessary and costly delays.
If damage or loss during transport is evident, make claim to carrier, as this will be their responsibility, not the manufacturer's.
Should carton be damaged, but damage to equipment is not obvious, a claim should be filed for "concealed damage" with the carrier.
IMPORTANT: The electrical characteristics of the unit should be checked at this time to make sure they correspond to those ordered and to electrical power available at the job site.
Save all shipping papers, tags and instruction sheets for reference by installer and owner.

LOCATION The unit location in the room should be selected to ensure uniform air distribution throughout the entire space to be refrigerated. Be sure that the unit does not draw air in, or blow directly out, through an opened door and that the product does not obstruct the free circulation of air. Consideration should be given to the coil location in order to minimize the piping run length to the condensing unit and floor drain

CLEARANCES This evaporator draws air through the coil and discharges air from the fan side, and thus adequate clearance should be made on the entering face of the coil to ensure even unrestricted air flow through the coil. This distance should be equal to the height of the coil or more. Ensure enough room is left at the ends of the coil for servicing.

MOUNTING This evaporator is supplied with shipping legs to allow units to be shipped in an upright position. Units can be lifted into place with shipping skid attached to mounting legs.
Hanger brackets take up to 5/8" *(15.9 mm)* hanger rods. After the evaporator is hung in place, remove the bolts attaching the skid to the legs.

DRAIN LINE If the evaporator is mounted flush to ceiling, the staggered hanger will provide a positive pitch for drainage.
If units are suspended below the ceiling, the installer must provide adequate pitch to the unit by adjusting the location of the hanger rod nuts.
Note: Check for adequate drainage by pouring water into the drain pan.

Ensure that the drain pan has sufficient slope for proper drainage (prevention of ice build up / blockage in pan).

Insulated copper tube should be run from the drain connection, sloping at least 4" *(102mm)* per foot. A trap located outside of the room should be provided to prevent warm air entering through the tubing. Connection should be made to proper drainage facilities that comply with local regulations.

If room temperatures are below freezing, it is necessary to heat the drain line to prevent condensate from freezing in the drain line. Electric heating cable or electric tape (by others) is used for this purpose. The drain line heater should be connected for continuous operation; it is also recommended that the drain line be insulated. A heat output of 20 watts per lineal foot of 1" *(25mm)* drain line in a 0°F *(-18°C)* room is usually satisfactory. 115 volt cable and tape is available from your local refrigeration wholesaler. Two 115 volts heaters (by others) of the same wattage may be wired in series for use on 230 volt system.

PIPING Refrigerant line sizes are important and may not be the same size as the coil connections (depends on the length of run). If in doubt, consult "Recommended refrigerant line sizes" charts.

WIRING Wire system in accordance with governing standards and local codes. Enclosed typical wiring diagrams are for reference only. Refer to unit data plate for operating current, minimum ampacity and maximum fuse sizing for fan motors.
NOTE: Electrical wiring is to be sized in accordance with minimum ampacity rating.

For ease of identifying the proper wiring terminals, unit wiring is colour coded and terminal block connections are identified. When **fan delay thermostats** (combination fan delay and defrost termination) are installed, on start-up, the fans do not operate until the coil temperature is reduced to approximately 20°F *(-6.7°C)*. It is normal for the fans to cycle a few times until the room temperature is brought down. At higher evaporating temperatures this control is of an adjustable type, and proper adjustment is required.

The **defrost termination control** is adjustable and may be set at a minimum of 40 °F *(4.4 °C)* (fully CW) to a maximum of 75°F *(23.8°C)* (fully CCW). Normal setting is 55°F *(12.8°C)*. This can be increased if the defrost heaters are terminated too soon (frost still left) or if terminated too long (steaming of coil). Time clock should be set for a fail-safe termination of approximately 45 minutes.

A hinged end panel provides quick access to the electrical compartment.

SYSTEM CHECK
Before Start-Up:
1. All wiring should be in accordance with local codes.
2. All refrigerant lines should be properly sized.
3. Electric defrost systems should include a liquid line solenoid valve.
4. Thorough evacuation and dehydration has been performed.
5. The suction, discharge and receiver service valves must be open.
6. The system should include a liquid line drier moisture indicator and suction filter.
7. Pour enough water into the drain pan to allow a good check on drainage and seal the trap.

After Start-Up:
1. If necessary, temporarily by-pass fan delay control to run fans until room temp is lowered. (Run jumper wire from terminal N to F on circuit terminal block).
2. Check the compressor oil level to ensure the correct oil charge.
3. Be sure that the expansion valve is properly set to provide the correct amount of superheat (should be around 70% of operating T.D.)
4. Heavy moisture loads are usually encountered when starting the system for the first time. If the coil temperature is below freezing, this will cause a rapid build-up of frost on the coil. During the initial pull down, frost build-up should be watched and defrosted manually as required.
5. Check for proper evaporator fan blade rotation.

MAINTENANCE
1. Periodic checking and cleaning of the coil surface when necessary should be done, using a whisk or brush. Drain pans are hinged to provide convenient access to the inside coil surface (except hot gas loop pans).
2. Ensure coil and pan does not have any excessive ice build-up from improper defrost operation. Any build-up of ice can cause fins and refrigerant tubes to be crushed. When replacing heater elements, first remove heater slot covers and heater clips
3. Motors are permanently lubricated type and require no further lubrication.

THP

CAPACITY DATA
HIGH VELOCITY 6 F.P.I. MODELS

60Hz

Medium Temperature - 6 F.P.I. with 3 HP Motor @ 0" External Static Pressure

Medium Temp. Models			068ME	081ME	092ME	108ME	123ME	135ME	162ME	181ME	221ME	243ME	271ME
Capacity BTUH *(WATTS)*	Evap Temp. 10°F *(-12°C)*	R407A	72680 *(21288)*	89240 *(26138)*	103040 *(30181)*	112240 *(32875)*	134320 *(39342)*	150900 *(44193)*	167400 *(49043)*	188600 *(55241)*	230900 *(67637)*	254800 *(74642)*	282400 *(82726)*
		R407C	75050 *(21982)*	92150 *(26990)*	106400 *(31165)*	115900 *(33947)*	138700 *(40625)*	155800 *(45634)*	170800 *(50643)*	192400 *(57043)*	235500 *(69842)*	259900 *(77076)*	288100 *(85424)*
		R404A R507	79000 *(23139)*	97000 *(28411)*	112000 *(32805)*	122000 *(35734)*	146000 *(42763)*	164000 *(48036)*	182000 *(53308)*	205000 *(60045)*	251000 *(73518)*	277000 *(81133)*	307000 *(89920)*
		R22	80580 *(23602)*	98940 *(28979)*	114240 *(33461)*	124440 *(36449)*	148900 *(43618)*	167300 *(48997)*	185600 *(54374)*	209100 *(61246)*	256000 *(74988)*	282500 *(82756)*	313100 *(91718)*
		R134a	76630 *(22445)*	94090 *(27559)*	108640 *(31821)*	118340 *(34662)*	141620 *(41480)*	159080 *(46595)*	176540 *(51709)*	198850 *(58244)*	243470 *(71312)*	268690 *(78699)*	297790 *(87222)*
Air Flow	CFM *(L/S)*		23800 *(11231)*	22800 *(10759)*	21700 *(10240)*	20800 *(9816)*	34200 *(16139)*	32600 *(15384)*	31200 *(14723)*	32900 *(15526)*	45500 *(21471)*	43800 *(20669)*	40900 *(19301)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*66 (30)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature - 6 F.P.I. with 3 HP Motor @ 0" External Static Pressure

Low Temp. Models			065LE	078LE	089LE	094LE	118LE	134LE	143LE	161LE	175LE	198LE	216LE	228LE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	62560 *(18324)*	79120 *(23174)*	86480 *(25330)*	96600 *(28295)*	115000 *(33684)*	135200 *(39612)*	150900 *(44193)*	165600 *(48504)*	168400 *(49313)*	196900 *(57667)*	220800 *(64672)*	232800 *(68176)*
		R407C	64600 *(18921)*	81700 *(23930)*	89300 *(26156)*	99750 *(29217)*	118750 *(34782)*	139650 *(40903)*	153900 *(45634)*	168900 *(50086)*	171800 *(50921)*	200800 *(59547)*	225200 *(66781)*	237500 *(70399)*
		R404A R507	68000 *(19917)*	86000 *(25189)*	94000 *(27533)*	105000 *(30755)*	125000 *(36613)*	147000 *(43056)*	164000 *(48036)*	180000 *(52722)*	183000 *(53601)*	214000 *(62681)*	240000 *(70296)*	253000 *(74104)*
		R22	69360 *(20315)*	87720 *(25693)*	95880 *(28084)*	107100 *(31370)*	127500 *(37345)*	149900 *(43917)*	167300 *(48997)*	183600 *(53776)*	186700 *(54673)*	218300 *(63935)*	244800 *(71702)*	258100 *(75586)*
		R134a	65960 *(19319)*	83420 *(24433)*	91180 *(26707)*	101850 *(29832)*	121250 *(35515)*	142590 *(41764)*	159080 *(46595)*	174600 *(51140)*	177510 *(51993)*	207580 *(60801)*	232800 *(68187)*	245410 *(71881)*
Air Flow	CFM *(L/S)*		23800 *(11231)*	22800 *(10759)*	21700 *(10240)*	20800 *(9816)*	34200 *(16139)*	32600 *(15384)*	31200 *(14723)*	32900 *(15526)*	47200 *(22274)*	45500 *(21471)*	43800 (20669)	40900 (19301)
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*92 (42)*	*116 (53)*	*130 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

CAPACITY DATA
HIGH VELOCITY 4 F.P.I. MODELS (cont'd)

Medium Temperature - 4 F.P.I. with 3 HP Motor @ 0" External Static Pressure

Medium Temp. 4 FPI Models			059PE	072PE	083PE	091PE	109PE	122PE	137PE	150PE	164PE	200PE	222PE	256PE
Capacity BTUH *(WATTS)*	Evap Temp. 10°F *(-12°C)*	R407A	62560 *(18324)*	79120 *(23174)*	86480 *(25330)*	96600 *(28295)*	115000 *(33684)*	135200 *(38692)*	150900 *(44193)*	165600 *(48504)*	168400 *(49313)*	196900 *(57667)*	220800 *(64672)*	232800 *(68176)*
		R407C	64600 *(18921)*	81700 *(23930)*	89300 *(26156)*	99750 *(29217)*	118750 *(34782)*	139650 *(39953)*	153900 *(45634)*	168900 *(50086)*	171800 *(50921)*	200800 *(59547)*	225200 *(66781)*	237500 *(70399)*
		R404A R507	68000 *(19917)*	86000 *(25189)*	94000 *(27533)*	105000 *(30755)*	125000 *(36613)*	147000 *(42056)*	164000 *(48036)*	180000 *(52722)*	183000 *(53601)*	214000 *(62681)*	240000 *(70296)*	253000 *(74104)*
		R22	69360 *(20315)*	87720 *(25693)*	95880 *(28084)*	107100 *(31370)*	127500 *(37345)*	149900 *(42897)*	167300 *(48997)*	183600 *(53776)*	186700 *(54673)*	218300 *(63935)*	244800 *(71702)*	258100 *(75586)*
		R134a	65960 *(19319)*	83420 *(24433)*	91180 *(26707)*	101850 *(29832)*	121250 *(35515)*	142590 *(40794)*	159080 *(46595)*	174600 *(51140)*	177510 *(51993)*	207580 *(60801)*	232800 *(68187)*	245410 *(71881)*
Air Flow	CFM *(L/S)*		24400 *(11514)*	23600 *(11137)*	22800 *(10759)*	21900 *(10335)*	35400 *(16705)*	34100 *(16092)*	32900 *(15526)*	35400 *(16705)*	34300 *(16186)*	47200 *(22274)*	45800 *(21613)*	43200 *(20386)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*62 (28)*	*81 (36)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature - 4 F.P.I. with 3 HP Motor @ 0" External Static Pressure

Low Temp. 4 FPI Models			055VE	066VE	076VE	087VE	100VE	114VE	127VE	145VE	172VE	187VE	217VE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	54280 *(15899)*	65320 *(19132)*	78200 *(22905)*	88320 *(25869)*	102120 *(32395)*	120500 *(35300)*	126000 *(36917)*	149000 *(43654)*	177600 *(52008)*	198700 *(58205)*	222600 *(65211)*
		R407C	56050 *(16417)*	67450 *(19756)*	80750 *(23652)*	91200 *(26712)*	105450 *(33451)*	124450 *(36452)*	128500 *(38121)*	152000 *(45078)*	181100 *(53704)*	202700 *(60103)*	227100 *(67338)*
		R404A R507	59000 *(17281)*	71000 *(20796)*	85000 *(24897)*	96000 *(28118)*	111000 *(35212)*	131000 *(38370)*	137000 *(40127)*	162000 *(47450)*	193000 *(56530)*	216000 *(63266)*	242000 *(70882)*
		R22	60180 *(17627)*	72420 *(21212)*	86700 *(25395)*	97920 *(28680)*	113200 *(35916)*	133600 *(39137)*	139700 *(40930)*	165200 *(48399)*	196900 *(57661)*	220300 *(64531)*	246800 *(72300)*
		R134a	57230 *(16763)*	68870 *(20172)*	82450 *(24150)*	93120 *(27274)*	107670 *(34156)*	127070 *(37219)*	132890 *(38923)*	157140 *(46027)*	187210 *(54834)*	209520 *(61368)*	234740 *(68756)*
Air Flow	CFM *(L/S)*		24400 *(11514)*	23600 *(11137)*	22800 *(10759)*	21900 *(10335)*	35400 *(16705)*	34100 *(16092)*	32900 *(15526)*	34300 *(16186)*	47200 *(22274)*	45800 *(21613)*	43200 *(20386)*
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*116 (53)*	*139 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

THP

CAPACITY DATA
HIGH VELOCITY 6 F.P.I. MODELS

60Hz

Medium Temperature - 6 F.P.I. with 3 HP Motor @ .25" External Static Pressure

Medium Temp. Models			068ME	081ME	092ME	108ME	123ME	135ME	162ME	181ME	221ME	243ME	271ME
Capacity BTUH *(WATTS)*	Evap Temp. 10°F *(-12°C)*	R407A	69920 *(20479)*	85560 *(25061)*	98440 *(28833)*	107640 *(31527)*	129720 *(37995)*	145400 *(42576)*	160100 *(46888)*	180300 *(52815)*	220800 *(64672)*	242900 *(71140)*	267700 *(78415)*
		R407C	72200 *(21147)*	88350 *(25878)*	101650 *(29773)*	111150 *(32556)*	133950 *(39234)*	150100 *(43964)*	163300 *(48417)*	183900 *(54538)*	225200 *(66781)*	247800 *(73460)*	273100 *(80972)*
		R404A R507	76000 *(22260)*	93000 *(27240)*	107000 *(31340)*	117000 *(34269)*	141000 *(41299)*	158000 *(46278)*	174000 *(50965)*	196000 *(57408)*	240000 *(70296)*	264000 *(77326)*	291000 *(85234)*
		R22	77520 *(22705)*	94860 *(27785)*	109140 *(31967)*	119340 *(34954)*	143800 *(42125)*	161200 *(47204)*	177500 *(51984)*	199900 *(58556)*	244800 *(71702)*	269300 *(78873)*	296800 *(86939)*
		R134a	73720 *(21592)*	90210 *(26423)*	103790 *(30400)*	113490 *(33241)*	136770 *(40060)*	153260 *(44890)*	168780 *(49436)*	190120 *(55686)*	232800 *(68187)*	256080 *(75006)*	282270 *(82677)*
Air Flow	CFM *(L/S)*		22300 *(10523)*	21200 *(10004)*	20100 *(9485)*	19200 *(9060)*	31700 *(14959)*	30100 *(14205)*	28700 *(13544)*	30200 *(14251)*	41900 *(19773)*	40300 *(19018)*	37500 *(17696)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*66 (30)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature - 6 F.P.I. with 3 HP Motor @ .25" External Static Pressure

Low Temp. Models			065LE	078LE	089LE	094LE	118LE	134LE	143LE	161LE	175LE	198LE	216LE	228LE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	60720 *(17785)*	76360 *(22366)*	83720 *(24522)*	93840 *(27486)*	111320 *(32606)*	129700 *(37995)*	144400 *(42306)*	158200 *(46349)*	162800 *(47696)*	189500 *(55510)*	211600 *(61978)*	223600 *(65481)*
		R407C	62700 *(18364)*	78850 *(23095)*	86450 *(25321)*	96900 *(28382)*	114950 *(33669)*	133950 *(39234)*	147300 *(43686)*	161400 *(47860)*	166100 *(49251)*	193300 *(57320)*	215800 *(63999)*	228100 *(67616)*
		R404A R507	66000 *(19331)*	83000 *(24311)*	91000 *(26654)*	102000 *(29876)*	121000 *(35441)*	141000 *(41299)*	157000 *(45985)*	172000 *(50379)*	177000 *(51843)*	206000 *(60337)*	230000 *(67367)*	243000 *(71175)*
		R22	67320 *(19718)*	84660 *(24797)*	92820 *(27187)*	104040 *(30474)*	123400 *(36150)*	143800 *(42125)*	160100 *(46905)*	175400 *(51387)*	180500 *(52880)*	210100 *(61544)*	234600 *(68714)*	247900 *(72599)*
		R134a	64020 *(18268)*	80510 *(22218)*	88270 *(25286)*	98940 *(26735)*	117370 *(33525)*	136770 *(38072)*	152290 *(40628)*	166840 *(45742)*	171690 *(49720)*	199820 *(56254)*	223100 *(61368)*	235710 *(64778)*
Air Flow	CFM *(L/S)*		22300 *(10523)*	21200 *(10004)*	20100 *(9485)*	19200 *(9060)*	31700 *(14959)*	30100 *(14204)*	28700 *(13544)*	30200 *(14251)*	43600 *(20575)*	41900 *(19773)*	40300 *(19018)*	37500 *(17696)*
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*92 (42)*	*116 (53)*	*130 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

CAPACITY DATA
HIGH VELOCITY 4 F.P.I. MODELS (cont'd)

Medium Temperature - 4 F.P.I. with 3 HP Motor @ .25" External Static Pressure

Medium Temp. 4 FPI Models			059PE	072PE	083PE	091PE	109PE	122PE	137PE	150PE	164PE	200PE	222PE	256PE
Capacity BTUH *(WATTS)*	Evap Temp. 10°F *(-12°C)*	R407A	59800 *(17516)*	74520 *(21827)*	83720 *(24522)*	93840 *(27486)*	111320 *(32606)*	129700 *(37995)*	141700 *(41498)*	146300 *(42845)*	162800 *(47696)*	193200 *(56588)*	216200 *(63325)*	252100 *(73835)*
		R407C	61750 *(18087)*	76950 *(22539)*	86450 *(25321)*	96900 *(28382)*	114950 *(33669)*	133950 *(39234)*	144500 *(42852)*	149200 *(44242)*	166100 *(49251)*	197100 *(58434)*	220500 *(65390)*	257100 *(76242)*
		R404A R507	65000 *(19039)*	81000 *(23725)*	91000 *(26654)*	102000 *(29876)*	121000 *(35441)*	141000 *(41299)*	154000 *(45107)*	159000 *(46571)*	177000 *(51843)*	210000 *(61509)*	235000 *(68832)*	274000 *(80255)*
		R22	66300 *(19420)*	82620 *(24200)*	92820 *(27187)*	104040 *(30474)*	123400 *(36150)*	143800 *(42125)*	157100 *(46009)*	162200 *(47502)*	180500 *(52880)*	214200 *(62739)*	239700 *(70209)*	279500 *(81860)*
		R134a	63050 *(18468)*	78570 *(23013)*	88270 *(25854)*	98940 *(28980)*	117370 *(34378)*	136770 *(40060)*	149380 *(43754)*	154230 *(45174)*	171690 *(50288)*	203700 *(59664)*	227950 *(66767)*	265780 *(77847)*
Air Flow	CFM *(L/S)*		23000 *(10854)*	22100 *(10429)*	21200 *(10004)*	20300 *(9580)*	33100 *(15620)*	31700 *(14959)*	30400 *(14346)*	32700 *(15431)*	31600 *(14912)*	43600 *(20575)*	42200 *(19914)*	39700 *(18734)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*62 (28)*	*81 (36)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature - 4 F.P.I. with 3 HP Motor @ .25" External Static Pressure

Low Temp. 4 FPI Models			055VE	066VE	076VE	087VE	100VE	114VE	127VE	145VE	172VE	187VE	217VE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	53360 *(15629)*	64400 *(18863)*	75440 *(22097)*	85560 *(25061)*	99360 *(29102)*	115900 *(33953)*	123300 *(36109)*	142600 *(41768)*	170200 *(49852)*	190400 *(55780)*	212500 *(62247)*
		R407C	55100 *(16139)*	66500 *(19478)*	77900 *(22817)*	88350 *(25878)*	102600 *(30051)*	119700 *(35060)*	125800 *(37287)*	145500 *(43130)*	173600 *(51478)*	194200 *(57599)*	216800 *(64277)*
		R404A R507	58000 *(16988)*	70000 *(20503)*	82000 *(24018)*	93000 *(27240)*	108000 *(31633)*	126000 *(36905)*	134000 *(39249)*	155000 *(45400)*	185000 *(54187)*	207000 *(60630)*	231000 *(67660)*
		R22	59160 *(17328)*	71400 *(20913)*	83640 *(24498)*	94860 *(27785)*	110200 *(32266)*	128500 *(37643)*	136700 *(40034)*	158100 *(46308)*	188700 *(55271)*	211100 *(61843)*	235600 *(69013)*
		R134a	56260 *(16478)*	67900 *(19888)*	79540 *(23297)*	90210 *(26423)*	104760 *(30684)*	122220 *(35798)*	129980 *(38072)*	150350 *(44038)*	179450 *(52561)*	200790 *(58811)*	224070 *(65630)*
Air Flow	CFM *(L/S)*		23000 *(10854)*	22100 (10429)	21200 *(10004)*	20300 *(9580)*	33100 *(15620)*	31700 *(14959)*	30400 *(14346)*	31600 *(14912)*	43600 *(20575)*	42200 *(19914)*	39700 *(18734)*
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*116 (53)*	*139 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

THP

CAPACITY DATA
HIGH VELOCITY 6 F.P.I. MODELS

60Hz

Medium Temperature - 6 F.P.I. with 3 HP Motor @ .50" External Static Pressure

Medium Temp. Models			068ME	081ME	092ME	108ME	123ME	135ME	162ME	181ME	221ME	243ME	271ME
Capacity BTUH *(WATTS)*	Evap Temp. 10°F *(-12°C)*	R407A	67160 *(19671)*	81880 *(23983)*	92920 *(27216)*	102120 *(29911)*	123280 *(36109)*	138000 *(40420)*	152700 *(44731)*	169300 *(49582)*	208800 *(61169)*	228200 *(66828)*	250200 *(73295)*
		R407C	69350 *(20313)*	84550 *(24765)*	95950 *(28104)*	105450 *(30886)*	127300 *(37287)*	142500 *(41738)*	155800 *(46190)*	172700 *(51199)*	213000 *(63164)*	232800 *(69007)*	255200 *(75686)*
		R404A R507	73000 *(21382)*	89000 *(26068)*	101000 *(29583)*	111000 *(32512)*	134000 *(39249)*	150000 *(43935)*	166000 *(48621)*	184000 *(53894)*	227000 *(66488)*	248000 *(72639)*	272000 *(79669)*
		R22	74460 *(21810)*	90780 *(26589)*	103020 *(30175)*	113220 *(33162)*	136700 *(40034)*	153000 *(44814)*	169300 *(49593)*	187700 *(54972)*	231500 *(67818)*	253000 *(74092)*	277400 *(81262)*
		R134a	70810 *(20741)*	86330 *(25286)*	97970 *(28696)*	107670 *(31537)*	129980 *(38072)*	145500 *(42617)*	161020 *(47162)*	178480 *(52277)*	220190 *(64493)*	240560 *(70460)*	263840 *(77279)*
Air Flow	CFM *(L/S)*		20400 *(9627)*	19200 *(9060)*	18300 *(8636)*	17500 *(8258)*	28900 *(13638)*	27500 *(12977)*	26300 *(12411)*	27300 *(12883)*	37800 *(17838)*	36300 *(17130)*	33700 *(15903)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*66 (30)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature - 6 F.P.I. with 3 HP Motor @ .50" External Static Pressure

Low Temp. Models			065LE	078LE	089LE	094LE	118LE	134LE	143LE	161LE	175LE	198LE	216LE	228LE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	59800 *(17516)*	72680 *(21288)*	80040 *(23443)*	89240 *(26138)*	107640 *(31527)*	124200 *(36379)*	138000 *(40420)*	149000 *(43654)*	156400 *(45810)*	180300 *(52815)*	199600 *(58474)*	211600 *(61978)*
		R407C	61750 *(18087)*	75050 *(21982)*	82650 *(24208)*	92150 *(26990)*	111150 *(32556)*	128250 *(37565)*	140800 *(41738)*	152000 *(45078)*	159500 *(47303)*	183900 *(54538)*	203600 *(60381)*	215800 *(63999)*
		R404A R507	65000 *(19039)*	79000 *(23139)*	87000 *(25482)*	97000 *(28411)*	117000 *(34269)*	135000 *(39542)*	150000 *(43935)*	162000 *(47450)*	170000 *(49793)*	196000 *(57408)*	217000 *(63559)*	230000 *(67367)*
		R22	66300 *(19420)*	80580 *(23602)*	88740 *(25992)*	98940 *(28979)*	119300 *(34954)*	137700 *(40333)*	153000 *(44814)*	165200 *(48399)*	173400 *(50789)*	199900 *(58556)*	221300 *(64830)*	234600 *(68714)*
		R134a	63050 *(18468)*	76630 *(22445)*	84390 *(24718)*	94090 *(27559)*	113490 *(33241)*	130950 *(38356)*	145500 *(42617)*	157140 *(46027)*	164900 *(48299)*	190120 *(55686)*	210490 *(61652)*	223100 *(65346)*
Air Flow	CFM *(L/S)*		20400 *(9627)*	19200 *(9060)*	18300 *(8636)*	17500 *(8258)*	28900 *(13638)*	27500 *(12977)*	26300 *(12411)*	27300 *(12883)*	39500 *(18640)*	37800 *(17838)*	36300 *(17130)*	33700 *(15903)*
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*92 (42)*	*116 (53)*	*130 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

CAPACITY DATA
HIGH VELOCITY 4 F.P.I. MODELS (cont'd)

Medium Temperature - 4 F.P.I. with 3 HP Motor @ .50" External Static Pressure

Medium Temp. 4 FPI Models			059PE	072PE	083PE	091PE	109PE	122PE	137PE	150PE	164PE	200PE	222PE	256PE
Capacity BTUH *(WATTS)*	Evap Temp. 10°F *(-12°C)*	R407A	57040 *(16707)*	70840 *(20749)*	80040 *(23443)*	89240 *(26138)*	106720 *(31258)*	123300 *(36109)*	135200 *(39612)*	138000 *(40420)*	153600 *(45001)*	183100 *(53624)*	204200 *(59822)*	235500 *(68983)*
		R407C	58900 *(17252)*	73150 *(21425)*	82650 *(24208)*	92150 *(26990)*	110200 *(32277)*	127300 *(37287)*	137900 *(40903)*	140800 *(41738)*	156700 *(46468)*	186800 *(55373)*	208300 *(61773)*	240200 *(71233)*
		R404A R507	62000 *(18160)*	77000 *(22553)*	87000 *(25482)*	97000 *(28411)*	116000 *(33976)*	134000 *(39249)*	147000 *(43056)*	150000 *(43935)*	167000 *(48914)*	199000 *(58287)*	222000 *(65024)*	256000 *(74982)*
		R22	63240 *(18523)*	78540 *(23004)*	88740 *(25992)*	98940 *(28979)*	118300 *(34656)*	136700 *(40034)*	149900 *(43917)*	153000 *(44814)*	170300 *(49892)*	203000 *(59453)*	226400 *(66324)*	261100 *(76482)*
		R134a	60140 *(17615)*	74690 *(21876)*	84390 *(24718)*	94090 *(27559)*	112520 *(32957)*	129980 *(38072)*	142590 *(41764)*	145500 *(42617)*	161990 *(47447)*	193030 *(56538)*	215340 *(63073)*	248320 *(72733)*
Air Flow	CFM *(L/S)*		21200 *(10004)*	20100 *(9485)*	19200 *(9060)*	18500 *(8730)*	30200 *(14251)*	28900 *(13638)*	27700 *(13072)*	29600 *(13968)*	28600 *(13496)*	39500 *(18640)*	38100 *(17979)*	35700 *(16847)*
Refrigerant ** Charge R407A	LB. *(KG)*		*22 (10)*	*30 (13)*	*36 (17)*	*44 (20)*	*44 (20)*	*55 (25)*	*62 (28)*	*81 (36)*	*97 (44)*	*108 (50)*	*130 (59)*	*173 (78)*

Low Temperature - 4 F.P.I. with 3 HP Motor @ .50" External Static Pressure

Low Temp. 4 FPI Models			055VE	066VE	076VE	087VE	100VE	114VE	127VE	145VE	172VE	187VE	217VE
Capacity BTUH *(WATTS)*	Evap Temp. -20°F *(-29°C)*	R407A	50600 *(14821)*	61640 *(18054)*	72680 *(21288)*	80960 *(23713)*	94760 *(27755)*	109500 *(32067)*	117800 *(34492)*	135200 *(39612)*	161000 *(47157)*	180300 *(52815)*	200600 *(58744)*
		R407C	52250 *(15305)*	63650 *(18643)*	75050 *(21982)*	83600 *(24486)*	97850 *(28661)*	113050 *(33112)*	120200 *(35616)*	137900 *(40903)*	164200 *(48695)*	183900 *(54538)*	204600 *(60659)*
		R404A R507	55000 *(16110)*	67000 *(19624)*	79000 *(23139)*	88000 *(25775)*	103000 *(30169)*	119000 *(34855)*	128000 *(37491)*	147000 *(43056)*	175000 *(51258)*	196000 *(57408)*	218000 *(63852)*
		R22	56100 *(16432)*	68340 *(20016)*	80580 *(23602)*	89760 *(26291)*	105100 *(30772)*	121400 *(35552)*	130600 *(38241)*	149900 *(43917)*	178500 *(52283)*	199900 *(58556)*	222400 *(65129)*
		R134a	53350 *(15627)*	64990 *(19035)*	76630 *(22445)*	85360 *(25002)*	99910 *(29264)*	115430 *(33809)*	124160 *(36366)*	142590 *(41764)*	169750 *(49720)*	190120 *(55686)*	211460 *(61936)*
Air Flow	CFM *(L/S)*		21200 *(10004)*	20100 *(9485)*	19200 *(9060)*	18500 *(8730)*	30200 *(14251)*	28900 *(13638)*	27700 *(13072)*	28600 *(13496)*	39500 *(18640)*	38100 *(17979)*	35700 *(16847)*
Refrigerant ** Charge R407A	LB. *(KG)*		*23 (11)*	*32 (14)*	*40 (18)*	*47 (21)*	*47 (21)*	*59 (26)*	*70 (32)*	*105 (47)*	*116 (53)*	*139 (59)*	*173 (78)*

Capacities rated using 10°F *(5.6°C)* TD & 100°F *(38°C)* liquid temperature.
Capacities at other TD within a range of 8 to 15 °F *(4.4 to 8.3°C)* are directly proportional to TD, or use formula: Capacity = Rated capacity ÷ 10 x TD.
For capacities at TD outside of range 8 to 15 °F *(4.4 to 8.3°C)*, or liquid temperature lower than 75°F *(24°)*, consult factory.
Capacities for R407A and R407C are based on mean temperature. Mean temperature is the average temperature between the saturated suction temperature and the temperature feeding the evaporator. For dew point ratings, consult factory.
Derate capacity by 0.92 and CFM by .85 for Throw Booster Option.

*** CAPACITY CORRECTION FACTORS FOR LOW TEMPERATURE UNITS**

SATURATED SUCTION TEMPERATURE °F *(°C)*	0 *(-17.8)*	-10 *(23.3)*	-20 *(-28.9)*	-30 *(-34.4)*	-40 *(-40)*
FACTOR	1.06	1.03	1.0	0.92	0.85

NO CORRECTION FACTOR REQUIRED FOR MEDIUM TEMP. UNITS

**** REFRIGERANT CHARGE CONVERSION FACTORS**

R407C	R404A	R507	R22	R134a
0.99	0.92	0.93	1.02	1.03

Average Air Throw - ft *(m)*†

STANDARD FAN AND MOTOR	OPTIONAL THROW BOOSTER
110 *(33)*	150 *(46)*

† Measured in open space. Actual throw may be less in real applications.

THP

ELECTRICAL DATA
HIGH VELOCITY MODELS - 208-230/3/60

60Hz

MODEL	FPI	FAN MOTORS						DEFROST HEATERS									
									CIRCUIT #1			CIRCUIT #2			CIRCUIT #3		
		QTY	HP	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)	WATTS	AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)
THP068ME-T3A		2	3	18.4	5460	25.1	30	17150	46.1	57.7	60	-	-	-	-	-	-
THP081ME-T3A		2	3	18.4	5460	25.1	30	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP092ME-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP108ME-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP123ME-T3A		3	3	27.6	8190	35.1	40	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP135ME-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP162ME-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP181ME-T3A		3+	3	27.6	8190	35.1	40	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP221ME-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP243ME-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP271ME-T3A		4	3	NA	10920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THP065LE-T3A	6	2	3	18.4	5460	25.1	30	17150	46.1	57.7	60	-	-	-	-	-	-
THP078LE-T3A		2	3	18.4	5460	25.1	30	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP089LE-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP094LE-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP118LE-T3A		3	3	27.6	8190	35.1	40	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP134LE-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP143LE-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP161LE-T3A		3+	3	27.6	8190	35.1	40	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP175LE-T3A		4	3	36.8	10920	45.1	50	37600	35.4	44.3	45	35.4	44.3	45	35.4	44.3	45
THP198LE-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP216LE-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP228LE-T3A		4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THP059PE-T3A		2	3	18.4	5460	25.1	30	17150	46.1	57.7	60	-	-	-	-	-	-
THP072PE-T3A		2	3	18.4	5460	25.1	30	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP083PE-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP091PE-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP109PE-T3A		3	3	27.6	8190	35.1	40	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP122PE-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP137PE-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP150PE-T3A		3+	3	27.6	8190	35.1	40	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP164PE-T3A		3+	3	27.6	8190	35.1	40	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP200PE-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP222PE-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP256PE-T3A	4	4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THP055VE-T3A		2	3	18.4	5460	25.1	30	17150	46.1	57.7	60	-	-	-	-	-	-
THP066VE-T3A		2	3	18.4	5460	25.1	30	19600	27.7	34.6	35	27.7	34.6	35	-	-	-
THP076VE-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP087VE-T3A		2	3	18.4	5460	25.1	30	24500	32.4	40.5	45	32.4	40.5	45	-	-	-
THP100VE-T3A		3	3	27.6	8190	35.1	40	28000	39.5	49.4	50	39.5	49.4	50	-	-	-
THP114VE-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP127VE-T3A		3	3	27.6	8190	35.1	40	35000	46.3	57.9	60	46.3	57.9	60	-	-	-
THP145VE-T3A		3+	3	27.6	8190	35.1	40	36000	47.6	59.5	60	47.6	59.5	60	-	-	-
THP172VE-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP187VE-T3A		4	3	36.8	10920	45.1	50	47000	44.5	55.6	60	44.5	55.6	60	35.4	44.3	45
THP217VE-T3A		4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTE: 3+ indicates 3-fan "long" configuration (see dimensional data for details)

THP

ELECTRICAL DATA
HIGH VELOCITY MODELS - 460/3/60

60Hz

MODEL	FPI	FAN MOTORS - 460/3/60						DEFROST HEATERS						
								WATTS	CIRCUIT #1			CIRCUIT #2		
		FAN MOTOR QTY	HP	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)		AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)
THP068ME-T4A		2	3	8.8	5620	9.9	15	17150	23.2	29.0	30	-	-	-
THP081ME-T4A		2	3	8.8	5620	9.9	15	19600	27.7	34.6	35	-	-	-
THP092ME-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP108ME-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP123ME-T4A		3	3	13.2	8430	15.1	20	28000	39.5	49.4	50	-	-	-
THP135ME-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP162ME-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP181ME-T4A		3+	3	13.2	8430	15.1	20	36000	47.6	59.5	60	-	-	-
THP221ME-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP243ME-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP271ME-T4A		4	3	17.6	11240	20.1	25	56400	35.4	44.3	45	35.4	44.3	45
THP065LE-T4A	6	2	3	8.8	5620	9.9	15	17150	23.2	29.0	30	-	-	-
THP078LE-T4A		2	3	8.8	5620	9.9	15	19600	27.7	34.6	35	-	-	-
THP089LE-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP094LE-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP118LE-T4A		3	3	13.2	8430	15.1	20	28000	39.5	49.4	50	-	-	-
THP134LE-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP143LE-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP161LE-T4A		3+	3	13.2	8430	15.1	20	36000	47.6	59.5	60	-	-	-
THP175LE-T4A		4	3	17.6	11240	20.1	25	37600	27.0	33.8	40	27.0	33.8	40
THP198LE-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP216LE-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP228LE-T4A		4	3	17.6	11240	20.1	25	56400	35.4	44.3	45	35.4	44.3	45
THP059PE-T4A		2	3	8.8	5620	9.9	15	17150	23.2	29.0	30	-	-	-
THP072PE-T4A		2	3	8.8	5620	9.9	15	19600	27.7	34.6	35	-	-	-
THP083PE-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP091PE-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP109PE-T4A		3	3	13.2	8430	15.1	20	28000	39.5	49.4	50	-	-	-
THP122PE-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP137PE-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP150PE-T4A		3+	3	13.2	8430	15.1	20	36000	47.6	59.5	60	-	-	-
THP164PE-T4A		3+	3	13.2	8430	15.1	20	36000	47.6	59.5	60	-	-	-
THP200PE-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP222PE-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP256PE-T4A	4	4	3	17.6	11240	20.1	25	56400	35.4	44.3	45	35.4	44.3	45
THP055VE-T4A		2	3	8.8	5620	9.9	15	17150	23.2	29.0	30	-	-	-
THP066VE-T4A		2	3	8.8	5620	9.9	15	19600	27.7	34.6	35	-	-	-
THP076VE-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP087VE-T4A		2	3	8.8	5620	9.9	15	24500	32.4	40.5	45	-	-	-
THP100VE-T4A		3	3	13.2	8430	15.1	20	28000	39.5	49.4	50	-	-	-
THP114VE-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP127VE-T4A		3	3	13.2	8430	15.1	20	35000	46.3	57.9	60	-	-	-
THP145VE-T4A		3+	3	13.2	8430	15.1	20	36000	47.6	59.5	60	-	-	-
THP172VE-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP187VE-T4A		4	3	17.6	11240	20.1	25	47000	35.4	44.3	45	35.4	44.3	45
THP217VE-T4A		4	3	17.6	11240	20.1	25	56400	35.4	44.3	45	35.4	44.3	45

NOTE: 3+ indicates 3-fan “long” configuration (see dimensional data for details)

THP

ELECTRICAL DATA
HIGH VELOCITY MODELS - 575/3/60

60Hz

MODEL	FPI	FAN MOTORS - 575/3/60						DEFROST HEATERS						
								WATTS	CIRCUIT #1			CIRCUIT #2		
		FAN MOTOR QTY	HP	MOTOR FLA TOTAL	WATTS	MCA (A)	MAX. FUSE (AMPS)		AMPS	MCA (A)	MAX. FUSE (AMPS)	AMPS	MCA (A)	MAX. FUSE (AMPS)
THP068ME-T5A		2	3	7.2	5500	8.1	15	17150	18.6	23.2	25.0	-	-	-
THP081ME-T5A		2	3	7.2	5500	8.1	15	19600	22.1	27.6	30.0	-	-	-
THP092ME-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP108ME-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP123ME-T5A		3	3	10.8	8250	11.7	15	28000	31.6	39.5	40.0	-	-	-
THP135ME-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP162ME-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP181ME-T5A		3+	3	10.8	8250	11.7	15	36000	38.1	47.6	50.0	-	-	-
THP221ME-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP243ME-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP271ME-T5A		4	3	14.4	11000	15.3	20	56400	28.3	35.4	40.0	28.3	35.4	40.0
THP065LE-T5A	6	2	3	7.2	5500	8.1	15	17150	18.6	23.2	25.0	-	-	-
THP078LE-T5A		2	3	7.2	5500	8.1	15	19600	22.1	27.6	30.0	-	-	-
THP089LE-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP094LE-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP118LE-T5A		3	3	10.8	8250	11.7	15	28000	31.6	39.5	40.0	-	-	-
THP134LE-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP143LE-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP161LE-T5A		3+	3	10.8	8250	11.7	15	36000	38.1	47.6	50.0	-	-	-
THP175LE-T5A		4	3	14.4	11000	15.3	20	37600	42.5	53.1	60.0	-	-	-
THP198LE-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP216LE-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP228LE-T5A		4	3	14.4	11000	15.3	20	56400	28.3	35.4	40.0	28.3	35.4	40.0
THP059PE-T5A		2	3	7.2	5500	8.1	15	17150	18.6	23.2	25.0	-	-	-
THP072PE-T5A		2	3	7.2	5500	8.1	15	19600	22.1	27.6	30.0	-	-	-
THP083PE-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP091PE-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP109PE-T5A		3	3	10.8	8250	11.7	15	28000	31.6	39.5	40.0	-	-	-
THP122PE-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP137PE-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP150PE-T5A		3+	3	10.8	8250	11.7	15	36000	38.1	47.6	50.0	-	-	-
THP164PE-T5A		3+	3	10.8	8250	11.7	15	36000	38.1	47.6	50.0	-	-	-
THP200PE-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP222PE-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP256PE-T5A	4	4	3	14.4	11000	15.3	20	56400	28.3	35.4	40.0	28.3	35.4	40.0
THP055VE-T5A		2	3	7.2	5500	8.1	15	17150	18.6	23.2	25.0	-	-	-
THP066VE-T5A		2	3	7.2	5500	8.1	15	19600	22.1	27.6	30.0	-	-	-
THP076VE-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP087VE-T5A		2	3	7.2	5500	8.1	15	24500	25.9	32.4	35.0	-	-	-
THP100VE-T5A		3	3	10.8	8250	11.7	15	28000	31.6	39.5	40.0	-	-	-
THP114VE-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP127VE-T5A		3	3	10.8	8250	11.7	15	35000	37.0	46.3	50.0	-	-	-
THP145VE-T5A		3+	3	10.8	8250	11.7	15	36000	38.1	47.6	50.0	-	-	-
THP172VE-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP187VE-T5A		4	3	14.4	11000	15.3	20	47000	28.3	35.4	40.0	28.3	35.4	40.0
THP217VE-T5A		4	3	14.4	11000	15.3	20	56400	28.3	35.4	40.0	28.3	35.4	40.0

NOTE: 3+ indicates 3-fan “long” configuration (see dimensional data for details)

FOR SERVICE PARTS LOOK-UP:
visit: http://www.t-rp.com/serv_parts.htm
email: parts@t-rp.com
call: 1-844-893-3222 x501

NOTES

NOTES

FINISHED GOODS WARRANTY

The terms and conditions as described below in the General Warranty Policy cover all products manufactured by National Refrigeration.

GENERAL WARRANTY POLICY

Subject to the terms and conditions hereof, the Company warrants all Products, including Service Parts, manufactured by the Company to be free of defects in material or workmanship, under normal use and application for a period of one (1) year from the original date of installation, or eighteen (18) months from the date of shipment from the Company, whichever occurs first. Any replacement part(s) so supplied will be warranted for the balance of the product's original warranty. The part(s) to be replaced must be made available in exchange for the replacement part(s) and reasonable proof of the original installation date of the product must be presented in order to establish the effective date of the warranty, failing which, the effective date will be based upon the date of manufacture plus thirty (30) days. Any labour, material, refrigerant, transportation, freight or other charges incurred in connection with the performance of this warranty will be the responsibility of the owner at the current rates and prices then in effect. This warranty may be transferred to a subsequent owner of the product.

THIS WARRANTY DOES NOT COVER

(a) Damages caused by accident, abuse, negligence, misuse, riot, fire, flood, or Acts of God (b) damages caused by operating the product in a corrosive atmosphere (c) damages caused by any unauthorized alteration or repair of the system affecting the product's reliability or performance (d) damages caused by improper matching or application of the product or the product's components (e) damages caused by failing to provide routine and proper maintenance or service to the product (f) expenses incurred for the erecting, disconnecting, or dismantling the product (g) parts used in connection with normal maintenance, such as filters or belts (h) products no longer at the site of the original installation (i) products installed or operated other than in accordance with the printed instructions, with the local installation or building codes and with good trade practices (j) products lost or stolen.

No one is authorized to change this WARRANTY or to create for or on behalf of the Company any other obligation or liability in connection with the Product(s). There is no other representation, warranty or condition in any respect, expressed or implied, made by or binding upon the Company other than the above or as provided by provincial or state law and which cannot be limited or excluded by such law, nor will we be liable in any way for incidental, consequential, or special damages however caused.

The provisions of this additional written warranty are in addition to and not a modification of or subtraction from the statutory warranties and other rights and remedies provided by Federal, Provincial or State laws.

PROJECT INFORMATION

System	
Model Number	Date of Start-Up
Serial Number	Service Contractor
Refrigerant	Phone
Electrical Supply	Fax

“AS BUILT” SERVICE PARTS LIST

Service Parts List
Label
To Be Attached
HERE

NATIONAL REFRIGERATION &
AIR CONDITIONING CANADA CORP.
159 Roy Blvd.
Brantford Ontario Canada N3R 7K1
PHONE: (519) 751-0444 800-463-9517
FAX (519) 753-1140 www.t-rp.com

Due to National Refrigeration’s policy of continuous product improvement, we reserve the right to make changes without notice.