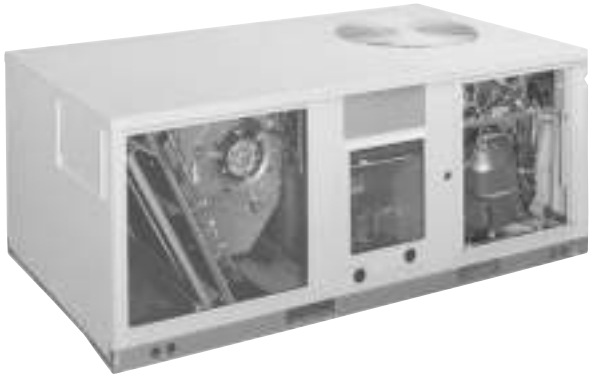
Packaged Cooling

Voyager™
TCD/TCH063-250
TKD/TKH063-250
50 Hz

October 2000 RT-PRC003-EN

Introduction

Simply THE BEST VALUE℠



Voyager™…One of the most complete lines of packaged units on the market today. Built to provide not only ultimate indoor comfort, but also comfort in knowing that our packaged units are easy to install and maintain.

Trane was the first to introduce the Micro and has continued to improve its performance. Together the Voyager and the Micro provide the highest standards in quality and reliability, comfort, ease of service, and the performance of Trane light commercial products.

To increase their ability to win jobs, contractors want a unit that saves time and money. Engineers want a unit which meets their design criteria and covers special applications. Voyager delivers all of this and more!

Trane Quality and Reliability…
Building a superior packaged unit means not only knowing what to put in — but also what to leave out. We designed the Voyager unit leaving in the tried and true components. We left out those parts and components that cause failures and require service.

Here are just some of the features that give Voyager its reputation for quality.

Contents

Features and Benefits

Compressors

- Voyager contains the best compressor technology available, in order to achieve the highest performance possible. Our compressor line includes Trane built Climatuff®, Model H and 3-D® Scrolls along with Alliance Compressors.
- Our Compressor designs are tested in Trane's SEET (System Extreme Environmental Test) facility in Tyler, Texas where five years of operation are simulated in a sixteen week test.
- The dual compressors in the 073D, 085 and 100-200 units provide system back-up.
- Quality is improved in the Micro units due to built-in reliability enhancements. Features like time delay relays and anti-short cycle timers are built into the circuit board on all Voyager Micro units.

Micro

- For many years Trane has worked with micro-processor controls in the applied equipment markets. These designs provided the technology for Voyager™ with micro-processor controls.
- The Micro provides unit control for heating, cooling, and ventilating utilizing input from sensors that measure outdoor and indoor temperature.
- The Micro improves quality and reliability through the use of time-tested micro-processor controls and logic. The micro now:

— prevents the unit from short cycling, considerably improving compressor life.

— ensures that the compressor will run for a specific amount of time which allows oil to return for better lubrication, enhancing the reliability of the compressor.

- The Voyager with the Micro reduces the number of components required to operate the unit, thereby reducing possibilities for component failure.

Features and Benefits

Weathertight Top and Cabinet
- Voyager units incorporate either a one piece top or the Trane-Tite-Top (T^3). Each part of the top (either two or three pieces) overlaps in such a way that water cannot leak into the unit. These overlapped edges are gasketed and sealed to ensure superior water integrity.
- Quick-Access panels reduce the number of possible water entry points.
- For added water integrity, Voyager has a raised 29 mm (1.18 inch) lip around the supply and return of the downflow units to prevent water blowing into the ductwork, in the event water should get into the unit.

Quality And Reliability Testing
- The fan and idler arm assembly designs have been tested to over 300,000 cycles each. Our combined cycle testing is now over 7,000,000 cycles.
- All of Voyager's designs were rigorously rain tested at the factory to ensure water integrity.
- Actual shipping tests are performed to determine packaging requirements. Units are test shipped around the country to determine the best packaging. Factory shake and drop tests are used as part of the package design process to help assure that the unit will arrive at your job site in top condition.
- Rigging tests include lifting a unit into the air and letting it drop 304.8 mm (one foot), assuring that the lifting lugs and rails hold up under stress.
- All parts are inspected at the point of final assembly. Substandard parts are identified and rejected immediately.

- We perform a 100% coil leak test at the factory. The evaporator and condenser coils are leak tested at 1.4 MPa (200 psig) and pressure tested to 3.1 MPa (450 psig).
- Every unit receives a 100% unit run test before leaving the production line to make sure it lives up to rigorous Trane requirements.

We test designs at our factory — not on our customers!

Ease Of Installation

Contractors look for lower installation (jobsite) costs. Voyager's conversionless units provide many time and money saving features.

Conversionless Units
- The dedicated design units are either downflow or horizontal and require no panel removal and alteration time to convert in the field — a major cost savings during installation.
- Horizontal units come complete with duct flanges so the contractor doesn't have to field fabricate them. These duct flanges are a time and cost saver.

Improved Airflow
U-shaped airflow allows for improved static capabilities.

Single Side Access
Access to all of Voyager's components is accomplished through the Quick-Sess and Quick-Access panels. No more than three screws must be removed to access components.

Micro
The function of the Micro replaces the need for field installed anti-short-cycle timers and time delay relays. The Micro ensures that these controls are integral to the unit. The contractor no longer has to purchase these options and pay to have them installed.

Easy Access Low Voltage Terminal Board
- Voyager's low voltage terminal board is external to the electrical control cabinet. It is extremely easy to locate and attach the thermostat wire. This is another cost and timesaving installation feature.
- The wiring of the low voltage to the unit and the zone sensors is as easy as 1-1, 2-2, and 3-3.

Trane's Idler Arm Assembly
Our idler pulley provides quick-adjustment for belt or motor sheaves. No longer does the contractor have to adjust the motor to tighten the belt or change the motor sheave setting. A real time-saver in servicing and installing.

Single Point Power
A single electrical connection powers the unit.

Features and Benefits

Serviceability

Today's owners are more conscious of the cost of service and maintenance. Voyager was designed with input from service contractors. Their information helped us design a unit that would get the serviceman off the job quicker and save the owner money. Here is why Voyager can save money in service.

Single-Side Service
Single-side service is standard on all Voyager units.

Quick-Access Panels
Remove three or fewer screws for access to the standardized internal components and wiring.

Micro
- The Micro unit requires no special tools to run the Voyager unit through its paces. Simply place a jumper between Test 1 and Test 2 on the Low Voltage Terminal Board and the unit will walk through its operational steps automatically.

—The unit automatically returns control to the zone sensor after stepping through the test mode a single time, even if the jumper is left on the unit.

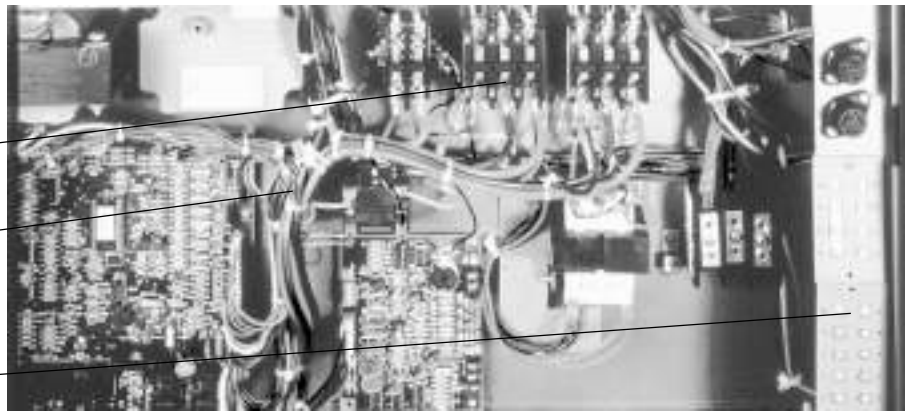
- As long as the unit has power and the LED is lit, the Micro is operational. The light indicates that the Micro is functioning properly.
- The Micro features expanded diagnostic capabilities when utilized with Trane's Integrated Comfort™ Systems.
- One Zone Sensor option has central control panel lights which indicate the mode the unit is in and possible diagnostic information (dirty filters, for example).

Voyager's Simpler Design
- The Voyager design uses up to 42% fewer parts than previous units. Since it is simpler in design, it is easier to diagnose.
- The Micro unit's built-in diagnostics help the serviceman to identify any problem quickly.

Standardized Components
- Components are placed in the same location for all Voyager units. Familiarize yourself with one Voyager and you are familiar with all Voyager units.
- One single Micro board is used on all Voyager Packaged Gas/Electrics, Cooling with Electric Heat, and Heat Pump models. This provides standardization of parts for the contractors. Less money is tied up in inventory using the Micro.
- Contractors/owners can stock fewer parts due to standardized components throughout the Voyager product line.

Colored And Numbered Wiring
You save time and money tracing wires and diagnosing the unit.

Quick-Adjust Idler Arm
On most units, the belt and sheaves can be quickly adjusted without moving the mounted fan motor. This is done with our idler arm pulley. The Quick-Adjust Idler Arm is a major savings of time and money.



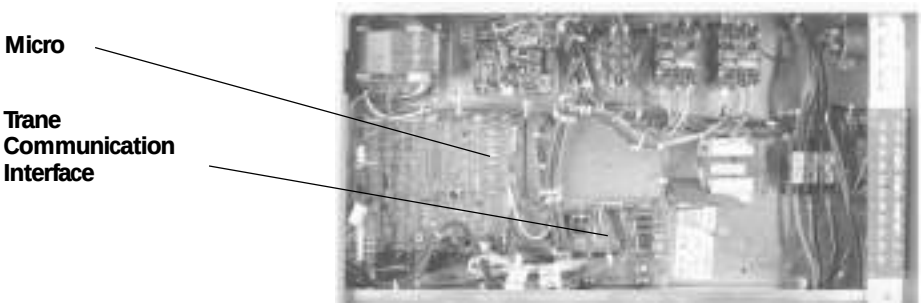
Features and Benefits

Voyager Helps Win Jobs and Engineer Specifications

The Voyager units are built utilizing important input from our consulting engineers. Engineers want a unit that performs to their rigorous standards in a variety of applications. They want a unit that lives up to their customers' expectations after giving their stamp of approval. Here is how Voyager performs to that standard.

Capacity Modulation
Voyager features dual compressors on 073D, 085, and 100 through 250 units. The 20 and 25 ton models have two advanced design **3-D® Scroll compressors.**

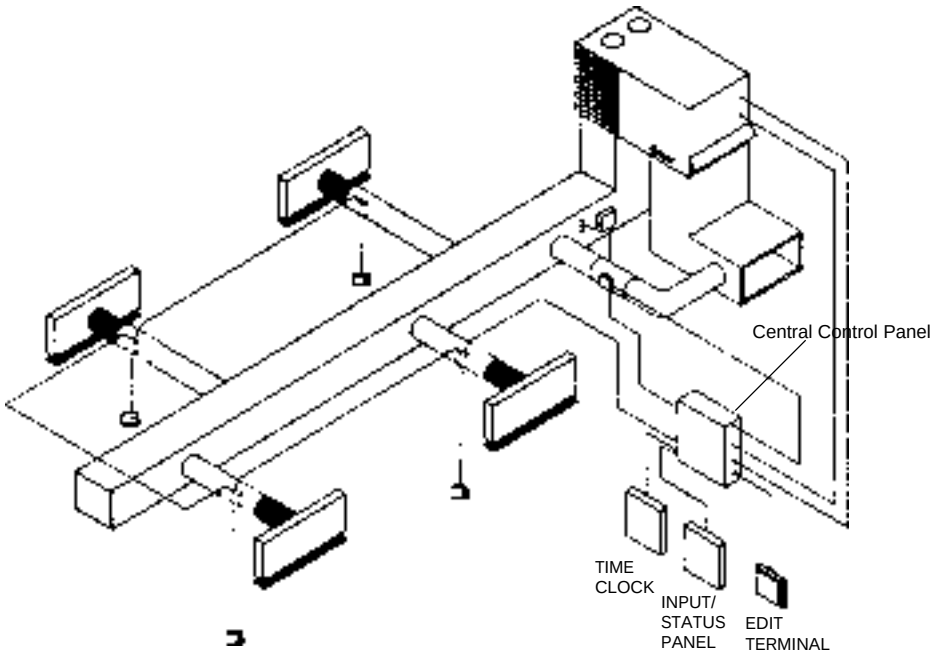
The dual compressor models are outstanding for humidity control, light load cooling conditions and system back-up applications.



Flexible Applications
- Only five factory-built roof curbs for the entire Voyager line…simplifies curb selection.
- Airflow is outstanding. The Voyager can replace an older machine with old ductwork and, in some cases, improve the comfort through better air distribution.

Micro
- Some of the benefits of the Micro are the built-in anti-short-cycle timer, the time delay relay and the minimum ''on" time controls. These controls are functions of the Micro and are factory tested to assure proper operation.
- As an energy benefit, the Micro softens electrical ''spikes" by staging on fans, compressors and heaters.
- Another benefit is the Intelligent Fallback or Adaptive Control. This is a benefit to the occupant if a component goes astray, the unit will continue to operate at pre-determined temperature set point.
- Intelligent Anticipation is a standard feature of the Micro. It occurs constantly as the Micro and the zone sensor work together in harmony to provide tighter comfort control than conventional electromechanical thermostats.

Features and Benefits



VariTrac

Trane's outstanding changeover VAV System for light commercial applications. When coupled with Voyager, it provides the latest in technological advances in comfort management systems and can allow thermostat control in every zone served by VariTrac.

Low Ambient Cooling
All units have cooling capabilities down to -18°C (0°F) as standard.

Power Exhaust Option
This option offered by Trane is available on the all downflow units. It provides exhaust of the return air when using a downflow economizer to maintain proper building pressurization. Great for relieving most building overpressurization problems.

Downflow And Horizontal Economizers
The economizers come with two control options — dry bulb is standard, comparative enthalpy is optional.

High Static Drive Accessory
Available on some models, the high static drive accessory allows for the optimization of the standard motor. Avoid expensive motors and operation costs by installing this optimized sheave accessory.

Trane Communication Interface or TCI is available factory or field installed. This module when applied with the Micro easily interfaces with Trane's Integrated Comfort™ System.

Factory built roof curbs are available for the downflow units.

An assortment of zone sensors from programmable to automatic and manual are available.

The following options round-out the complete line of Voyager accessories:

- — 0-25% manual outside air hood
- — Motorized outside air inlet

One Of Our Finest Assets:
Trane Sales Representatives are a Support group that can assist you with:

- — Product
- — Application
- — Service
- — Training
- — Special Applications
- — Specifications
- — Computer Programs and much more

Voyager has the features and benefits that make it second to none. It was designed with input from contractors and engineers in the field. The U-shaped airflow performance is outstanding.

If all of your customers knew about Voyager, all would insist on it.

Voyager. . .

SIMPLY THE BEST VALUE!!!!

Application Considerations

Application of this product should be within the cataloged airflow and cooling considerations. The TOPSS Program will simulate product performance for a set of given conditions. It is recommended that the program be run for the worst design scenario for a particular unit. For more information on the UPG Computer Product Performance program contact your local Trane Representative.

Low Ambient Cooling
This Voyager line features, as standard, low ambient cooling down to -18°C (0°F). Contact your local Trane Representative for more assistance with low ambient cooling applications.

Barometric Relief
This product line offers an optional barometric relief damper included in the downflow economizer accessory. This accessory consists of gravity dampers which open with increased pressure. As the building air pressure increases, the pressure in the unit return air section also increases, opening the dampers and relieving the conditioned space.

NOTE: THE EFFECTIVENESS OF BAROMETRIC RELIEF DAMPER DURING ECONOMIZING OPERATION IS SYSTEM RELATED. PRESSURE DROP OF THE RETURN AIR SYSTEM SHOULD BE CONSIDERED TO CONTROL BUILDING PRESSURIZATION.

Condensate Trap
The evaporator is a draw-through configuration. A trap must be field provided prior to start-up on the cooling cycle.

Clearance Requirements
The recommended clearances identified with unit dimensions should be maintained to assure adequate serviceability, maximum capacity and peak operating efficiency. Actual clearances which appear inadequate should be reviewed with the local Trane sales personnel.

Unit Pitch
These units have sloped condensate drain pans. Units must be installed level, any unit slope must be toward access side of unit.

Selection Procedure - SI

Cooling Capacity

Step 1 — Calculate the building's total and sensible cooling loads at design conditions. Use the Trane calculation methods or any other standard accepted method.

Example: The following are the building cooling requirements:
A
Electrical Characteristics: 380-415/50/3
B
Summer Design Conditions: Entering Evaporator Coil: 27°C DB / 19°C WB
Outdoor Ambient: 35°C
C
Total Cooling Load: 24.9 kW
D
Sensible Cooling Load: 17.6 kW
E
Airflow: 4250 m^3/h
F
External Static Pressure: 130 Pa
G
Rooftop - downflow configuration
H
Accessories
- — Economizer
- — Electric Heat

Step 2 — Size the equipment using Table PD-4. Match the cooling loads at design conditions.

Table PD-4 shows that a T*D085CD has a gross cooling capacity of 26.3 kW and 19.4 kW sensible capacity at 4280 m^3/h and 35°C DB outdoor ambient with 27°C DB, 19°C WB air entering the evaporator.

To Find Capacity at Intermediate Conditions Not in the Table

When the design conditions are between two numbers that are in the capacity table, interpolation is required to approximate the capacity. Note: Extrapolation outside of the table conditions is not recommended.

Step 3 — To determine the net cooling capacity, the fan motor heat must be deducted from the gross cooling capacity. The amount of heat that the fan motor generates is dependent on the effort by the motor - airflow and static pressure. To determine the total unit static pressure (see Table PD-31 for Static Pressure Drops Through Accessories):

External Static	130 Pa
Standard Filter (25mm)	17 Pa
Economizer	15 Pa
Supplementary Electric Heat	17 Pa
Total Static Pressure	179 Pa

Notes:
A
Pressure drop values are interpolated.
B
The Evaporator Fan Performance Table PD-15 has deducted the pressure drop for a 25mm filter already in the downflow unit.

Therefore, the actual Total Static Pressure is 179 - 17 = 162 Pa.

With 4250 m^3/h and 162 Pa, Table PD-15 shows 0.75 kW.

The formula below can be used to calculate Fan Motor Heat:
Fan Motor Heat = 1.23 * Fan Power (kW)
1.23 * 0.75 kW = 0.92 kW

Now subtract the fan motor heat from the gross cooling capacity of the unit:
Net Total Cooling Capacity =
26.3 - 0.92 = 25.38 kW

Net Sensible Cooling Capacity =
19.4 - 0.92 = 18.48 kW

Step 4 — If the performance will not meet the required load of the building - total or sensible cooling load, try a selection at the next higher size unit.

Heating Capacity

Step 1 — Calculate the building heating load using the Trane calculation form or other standard accepted method. The following are building heating requirements:
A
Total heating load: 20.5 kW
B
Airflow: 4250 m^3/h
C
380 volt/3 phase Power Supply

Step 2 — Size the system heating capacity to match the calculated building heating load.

The auxillary electric heat capacities are listed in Table ED-1. From the table, a 26.9 kW heater at 415V selected. To find the capacity at 380V, the heater voltage correction factor from Table ED-2 must be used. Therefore, 26.9 kW x .84 = 22.6 kW. This is adequate for the building load.

Air Delivery Selection

External static pressure drop through the air distribution system has been calculated to be 130 Pa. Adding the effects of the economizer, and electric heater, the Total Static Pressure is 162 Pa. Enter Table PD-15 for a T*D085CD at 4250 m^3/h and 162 Pa static pressure. The standard motor at 777 rpm will give the desired airflow at a rating of 0.75 kW.

Selection Procedure - IP

Cooling Capacity

Step 1 — Calculate the building's total and sensible cooling loads at design conditions. Use the Trane calculation methods or any other standard accepted method.

Example: The following are the building cooling requirements:
A
Electrical Characteristics: 380-415/50/3
B
Summer Design Conditions: Entering Evaporator Coil: 80°F DB / 67°F WB
Outdoor Ambient: 95°F
C
Total Cooling Load: 85.0 MBh
D
Sensible Cooling Load: 60.1 MBh
E
Airflow: 2800 cfm
F
External Static Pressure: 0.50 in. w.g.
G
Rooftop - downflow configuration
H
Accessories
- — Economizer
- — Electric Heat

Step 2 — Size the equipment using Table PD-4. Match the cooling loads at design conditions.

Table PD-4 shows that a T*D085CD has a gross cooling capacity of 93.5 MBh and 66.3 MBh sensible capacity at 2800 cfm and 95°F DB outdoor ambient with 80°F DB, 67°F WB air entering the evaporator.

To Find Capacity at Intermediate Conditions Not in the Table

When the design conditions are between two numbers that are in the capacity table, interpolation is required to approximate the capacity. Note: Extrapolation outside of the table conditions is not recommended.

Step 3 — To determine the net cooling capacity, the fan motor heat must be deducted from the gross cooling capacity. The amount of heat that the fan motor generates is dependent on the effort by the motor - airflow and static pressure. To determine the total unit static pressure (see Table PD-31 for Static Pressure Drops Through Accessories):

External Static	0.50 in. w.g.
Standard Filter (25mm)	0.09 in. w.g.
Economizer	0.07 in. w.g.
Supplementary Electric Heat	0.08 in. w.g.
Total Static Pressure	0.74 in. w.g.

Notes:
A
Pressure drop values are interpolated.
B
The Evaporator Fan Performance Table PD-15 has deducted the pressure drop for a 1 inch filter already in the downflow unit.

Therefore, the actual Total Static Pressure is 0.74 - 0.09 = 0.65 in. w.g.

With 2800 cfm and 0.65 in. w.g., Table PD-15 shows 1.15 bhp.

The formula below can be used to calculate Fan Motor Heat:
Fan Motor Heat = 3.15 * Fan bhp
3.15 * 1.15 = 3.62 MBh

Now subtract the fan motor heat from the gross cooling capacity of the unit:
Net Total Cooling Capacity =
93.5 - 3.62 = 89.88 MBh

Net Sensible Cooling Capacity =
66.3 - 3.62 = 62.68 MBh

Step 4 — If the performance will not meet the required load of the building - total or sensible cooling load, try a selection at the next higher size unit.

Heating Capacity

Step 1 — Calculate the building heating load using the Trane calculation form or other standard accepted method. The following are building heating requirements:
A
Total heating load: 70 MBh
3.41 MBh = 1 kW
B
Airflow: 2800 cfm
C
380 volt/3 phase Power Supply

Step 2 — Size the system heating capacity to match the calculated building heating load.

The auxillary electric heat capacities are listed in Table ED-1. From the table, a 26.9 kW heater at 415V selected. To find the capacity at 380V, the heater voltage correction factor from Table ED-2 must be used. Therefore, 26.9 kW x .84 = 22.6 kW. This is adequate for the building load.

Air Delivery Selection

External static pressure drop through the air distribution system has been calculated to be 0.50 in. w.g. Adding the effects of the economizer, and electric heater, the Total Static Pressure is 0.65 in. w.g. Enter Table PD-15 for a T*D085CD at 2800 cfm and 0.65 in. w.g. static pressure. The standard motor at 796 rpm will give the desired airflow at a rating of 1.15 bhp.

Model Number Description

TC	H	085	B	D	00	B	A
1,2	3	4,5,6	7	8	9,10	11	12

Digits 1-2 – Product Type

TC = UL compliant design - Cooling Electric Heat

Digit 3 – Airflow Configuration

H = Horizontal
D = Downflow

Digits 4-6 – Nominal Cooling Capacity (kW)

		Nom kW	Nom MBh
063	=	18.5	63
073	=	22.9	78
085	=	26.4	90
089	=	26.4	90
100	=	29.9	102
125	=	35.2	120
155	=	43.9	150
175	=	52.7	180
200	=	61.5	210
250	=	70.5	240

Digit 7 – Major Development Sequence

B or C

Digit 8 – Electrical Characteristics

D = 380-415/50/3

Digits 9-10 – Factory Installed Options

00 = Packed Stock, No Options
0A = Factory Installed Economizer

Digit 11 – Minor Design Sequence

Digit 12 – Service Digit

Model Number Description

TK	H	085	B	D	00	B	A
1,2	3	4,5,6	7	8	9,10	11	12

Digits 1-2 – Product Type

TK = CE compliant design - Cooling Electric Heat

Digit 3 – Airflow Configuration

H = Horizontal
D = Downflow

Digits 4-6 – Nominal Cooling Capacity (kW)

		Nom kW	Nom MBh
063	=	18.5	63
073	=	22.9	78
085	=	26.4	90
089	=	26.4	90
100	=	29.9	102
125	=	35.2	120
155	=	43.9	150
175	=	52.7	180
200	=	61.5	210
250	=	70.5	240

Digit 7 – Major Development Sequence

B or C

Digit 8 – Electrical Characteristics

D = 380-415/50/3

Digits 9-10 – Factory Installed Options

00 = Packed Stock, No Options
0A = Factory Installed Economizer

Digit 11 – Minor Design Sequence

Digit 12 – Service Digit

General Data

Table GD-1 — General Data

Model	TC*063CD	TC*073CD	TC*073DD	TC*085CD
Cooling Performance (1)				
ARI Gross Capacity - kW (MBh)	19.1 (65.2)	23.7 (80.8)	23.7 (81.0)	27.4 (93.5)
COP/EER (2)	2.9 (9.8)	2.8 (9.6)	2.9 (10.0)	3.0 (10.4)
Nominal Airflow - m^3/h (cfm)	3570 (2100)	4250 (2500)	4250 (2500)	4760 (2800)
ARI Airflow - m^3/h (cfm)	3570 (2100)	4250 (2500)	4250 (2500)	4760 (2800)
ARI Net Capacity - kW (MBh)	18.6 (63.5)	23.0 (78.3)	23.0 (78.6)	26.7 (91.0)
System Power - kW	6.4	8.2	7.9	8.7
Compressor No./Type	1/Recip.	1/Recip.	2/Recip.	2/Recip
Sound Rating dB (3)	86	86	86	88
Outdoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	1.05 (11.32)	1.12 (12.09)	1.30 (14.00)	1.49 (16.02)
Rows/Fins per inch	2/16	2/16	2/16	2/16
Indoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	0.65 (7.00)	0.73 (7.88)	0.73 (7.88)	0.98 (10.50)
Rows/Fins per inch	2/15	3/15	2/15	2/15
Refrigerant Control	Fixed Orifice	Fixed Orifice	Fixed Orifice	Fixed Orifice
Drain Connection No./Size - in.	1/ ¾ PVC	1/ ¾ PVC	1/ ¾ PVC	1/¾ PVC
Outdoor Fan —Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter - mm (in.)	1/610 (24)	1/610 (24)	1/610 (24)	1/660 (26)
DriveType/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
Airflow - m^3/h (cfm)	6800 (4000)	7560 (4450)	7820 (4600)	9850 (5800)
No. Motors/Power - W (HP)	1/370 (.50)	1/370 (.50)	1/370 (.50)	1/560 (.75)
Motor RPM	900	900	900	950
Indoor Fan —Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used	1	1	1	1
Diameter x Width - mm (in.)	305 x 229 (12 x 9)	305 x 229 (12 x 9)	305 x 229 (12 x 9)	381 x 279 (15 x 11)
DriveType/No. Speeds	Belt/1	Belt/1	Belt/1	Belt/1
No. Motors	1	1	1	1
Standard Motor Power - W (HP)	750 (1.0)	750 (1.0)	750 (1.0)	1100 (1.5)
Oversized Motor Power - W (HP)	1100 (1.5)	1100 (1.5)	1100 (1.5)	1500 (2.0)
Motor RPM - Standard/Oversized	1425/1425	1425/1425	1425/1425	1450/1450
Filters - Type/Furnished	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
No. / Size Recommended - mm (in.)				
Horizontal	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	2/508 x 635 x 50 (20 x 25 x 2) 2/406 x 635 x 50 (16 x 25 x 2)
Downflow	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	2/508 x 508 x 50 (20 x 20 x 2) 2/406 x 508 x 50 (16 x 20 x 2)
Refrigerant Charge - kg (lbs.) of R-22 per Circuit (4)	3.7 (8.1)	4.3 (9.5)	2.5 (5.6)	2.9 (6.3)

Notes:

1. Cooling Performance is rated at 35°C (95°F) ambient, 26.7°C (80°F) entering dry bulb, 19.4°C (67°F) entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation ±20% of nominal airflow. Ratings shown are tested and certified in accordance with ARI Standard 210/240 or 340/360 certification program.
2. EER is rated at ARI conditions and in accordance with DOE test procedures.
3. Sound Ratings shown are tested in accordance with ARI Standard 270 or 370.
4. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.

General Data

Table GD-2 — General Data

Model	TC*089CD	TC*100CD	TC*125CD	TC*155BD
Cooling Performance (1)				
ARI Gross Capacity - kW (MBh)	26.7 (91.0)	31.3 (106.7)	36.6 (124.9)	44.6 (152.2)
COP/EER (2)	2.6 (9.0)	2.8 (9.9)	2.9 (9.8)	2.9 (10.0)
Nominal Airflow - m^3/h (cfm)	4760 (2800)	5610 (3300)	7140 (4200)	8500 (5000)
ARI Airflow - m^3/h (cfm)	4760 (2800)	5610 (3300)	7140 (4200)	8500 (5000)
ARI Net Capacity - kW (MBh)	25.7 (87.6)	30.0 (102.4)	35.3 (120.3)	43.0 (146.8)
System Power - kW	9.7	10.4	12.2	14.7
Compressor No./Type	1/Recip	2/Recip.	2/Scroll	2/Scroll
Sound Rating dB (3)	88	88	90	90
Outdoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	1.30 (14.00)	1.73 (18.67)	2.22 (23.90)	2.23 (23.96)
Rows/Fins per inch	2/16	2/16	2/16	2/16
Indoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	0.73 (7.88)	0.98 (10.50)	1.17 (12.63) (5)	1.63 (17.50)
Rows/Fins per inch	3/15	3/15	3/15	2/15
Refrigerant Control	Fixed Orifice	Fixed Orifice	Fixed Orifice	Fixed Orifice
Drain Connection No./Size - in.	1/ ¾ PVC	1/ ¾ PVC	1/1 NPT	1/1 NPT
Outdoor Fan —Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter - mm (in.)	1/610 (24)	1/660 (26)	1/660 (26)	2/660 (26)
DriveType/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
Airflow - m^3/h (cfm)	7820 (4600)	10900 (6400)	11000 (6500)	15350 (9040)
No. Motors/Power - W (HP)	1/370 (.50)	1/560 (.75)	1/560 (.75)	2/250 (.33)
Motor RPM	900	950	950	925
Indoor Fan —Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used	1	1	1	1
Diameter x Width - mm (in.)	305 x 229 (12 x 9)	381 x 279 (15 x 11)	381 x 381 (15 x 15)	381 x 381 (15 x 15)
DriveType/No. Speeds	Belt/1	Belt/1	Belt/1	Belt/1
No. Motors	1	1	1	1
Standard Motor Power - W (HP)	1500 (2.0)	1500 (2.0)	1500 (2.0)	1500 (2.0)
Oversized Motor Power - W (HP)	N/A	2200 (3.0)	2200 (3.0)	2200 (3.0)
Motor RPM - Standard/Oversized	1450/N/A	1450/2870	1450/2870	1450/2870
Filters -Type/Furnished No. / Size Recommended - mm (in.)	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
Horizontal	3/406 x 635 x 25 (16 x 25 x 1)	2/406 x 635 x 50 (16 x 25 x 2) 2/508 x 635 x 50 (20 x 25 x 2)	4/508 x 635 x 50 (20 x 25 x 2)	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)
Downflow	3/406 x 635 x 25 (16 x 25 x 1)	2/508 x 508 x 50 (20 x 20 x 2) 2/406 x 508 x 50 (16 x 20 x 2)	3/406 x 508 x 50 (16 x 20 x 2) 3/508 x 508 x 50 (20 x 20 x 2)	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)
Refrigerant Charge - kg (lbs.) of R-22 per Circuit (4)	5.4 (12.0)	3.4 (7.6)	3.6/4.0 (8.0/8.8)	4.7/2.9 (10.3/6.5)

Notes:
1. Cooling Performance is rated at 35°C (95°F) ambient, 26.7°C (80°F) entering dry bulb, 19.4°C (67°F) entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation ±20% of nominal airflow. Ratings shown are tested and certified in accordance with ARI Standard 210/240 or 340/360 certification program.
2. EER is rated at ARI conditions and in accordance with DOE test procedures.
3. Sound Ratings shown are tested in accordance with ARI Standard 270 or 370.
4. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.
5. Horizontal discharge unit indoor coil face area is 1.15 m^2 (12.36 ft^2)

General Data

Table GD-3 — General Data

Model	TC*175CD	TC*200BD	TC*250BD
Cooling Performance (1)			
ARI Gross Capacity - kW (MBh)	51.8 (176.3)	61.0 (208.2)	66.0 (225.3)
COP/EER (2)	2.7 (9.4)	2.9 (10.0)	3.0 (10.1)
Nominal Airflow - m^3/h (cfm)	9850 (5800)	11210 (6600)	14100 (8300)
ARI Airflow - m^3/h (cfm)	10190 (6000)	11890 (7000)	14100 (8300)
ARI Net Capacity - kW (MBh)	49.1 (167.4)	58.4 (199.4)	63.1 (215.2)
System Power - kW	18.0	20.0	21.3
Compressor No./Type	2/Scroll	2/Scroll	2/Scroll
Sound Rating dB (3)	92	92	94
Outdoor Coil — Type	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	2.62 (28.21)	3.00 (32.33)	3.39 (36.46)
Rows/Fins per inch	2/16	2/16	2/16
Indoor Coil — Type	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	1.63 (17.50)	2.42 (26.00)	2.42 (26.00)
Rows/Fins per inch	3/15	2/15	3/15
Refrigerant Control	Fixed Orifice	Fixed Orifice	Fixed Orifice
Drain Connection No./Size - in.	1/1 NPT	2/1 NPT	2/1 NPT
Outdoor Fan — Type	Propeller	Propeller	Propeller
No. Used/Diameter - mm (in.)	2/660 (26)	2/660 (26)	2/710 (28)
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1
Airflow - m^3/h (cfm)	19750 (11600)	21000 (12330)	23500 (13800)
No. Motors/Power - W (HP)	2/560 (.75)	2/560 (.75)	2/560 (.75)
Motor RPM	950	950	950
Indoor Fan — Type	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used	1	1	1
Diameter x Width - mm (in.)	381 x 381 (15 x 15)	457 x 457 (18 x 18)	457 x 457 (18 x 18)
Drive Type/No. Speeds	Belt/1	Belt/1	Belt/1
No. Motors	1	1	1
Standard Motor Power - W (HP)	2200 (3.0)	2200 (3.0)	3700 (5.0)
Oversized Motor Power - W (HP)	3700 (5.0)	3700 (5.0)	N/A
Motor RPM - Standard/Oversized	2870/2900	2870/2900	2900/N/A
Filters - Type/Furnished	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
No. / Size Recommended - mm (in.)			
Horizontal	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)	8/508 x 635 x 50 (20 x 25 x 2)	8/508 x 635 x 50 (20 x 25 x 2)
Downflow	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)	4/508 x 635 x 50 (20 x 25 x 2) 4/508 x 635 x 50 (20 x 25 x 2)	4/508 x 635 x 50 (20 x 25 x 2) 4/508 x 635 x 50 (20 x 25 x 2)
Refrigerant Charge - kg (lbs.) of R-22 per Circuit (4)	5.7/3.8 (12.5/8.3)	5.6 (12.3)	6.8 (15.1)

Notes:
1. Cooling Performance is rated at 35°C (95°F) ambient, 26.7°C (80°F) entering dry bulb, 19.4°C (67°F) entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation ±20% of nominal airflow. Ratings shown are tested and certified in accordance with ARI Standard 210/240 or 340/360 certification program.
2. EER is rated at ARI conditions and in accordance with DOE test procedures.
3. Sound Ratings shown are tested in accordance with ARI Standard 270 or 370.
4. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.

General Data

Table GD-1a — General Data

Model	TK*063CD	TK*073CD	TK*073DD	TK*085CD
Cooling Performance (1)				
Eurovent Gross Capacity - kW (MBh)	18.8 (64.2)	23.3 (79.6)	23.4 (79.9)	26.9 (91.9)
COP	2.9	2.8	2.9	3.0
Nominal Airflow - m^3/h (cfm)	3570 (2100)	4250 (2500)	4250 (2500)	4760 (2800)
Eurovent Rated Airflow - m^3/h (cfm)	3570 (2100)	4250 (2500)	4250 (2500)	4760 (2800)
Eurovent Net Capacity - kW (MBh)	18.3 (62.5)	22.6 (77.1)	22.7 (77.5)	26.2 (89.4)
System Power - kW	6.4	8.1	7.9	8.7
Compressor				
No./Type	1/Recip.	1/Recip.	2/Recip.	2/Recip
Sound Rating dBA (2)	84	84	84	84
Outdoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	1.05 (11.32)	1.12 (12.09)	1.30 (14.00)	1.49 (16.02)
Rows/Fins per inch	2/16	2/16	2/16	2/16
Indoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	0.65 (7.00)	0.73 (7.88)	0.73 (7.88)	0.98 (10.50)
Rows/Fins per inch	2/15	3/15	2/15	2/15
Refrigerant Control	Fixed Orifice	Fixed Orifice	Fixed Orifice	Fixed Orifice
Drain Connection No./Size - in.	1/ ¾ PVC	1/ ¾ PVC	1/ ¾ PVC	1/ ¾ PVC
Outdoor Fan —Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter - mm (in.)	1/610 (24)	1/610 (24)	1/610 (24)	1/660 (26)
DriveType/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
Airflow - m^3/h (cfm)	6800 (4000)	7560 (4450)	7820 (4600)	9850 (5800)
No. Motors/Power - W (HP)	1/370 (.50)	1/370 (.50)	1/370 (.50)	1/560 (.75)
Motor RPM	900	900	900	950
Indoor Fan —Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used	1	1	1	1
Diameter x Width - mm (in.)	305 x 229 (12 x 9)	305 x 229 (12 x 9)	305 x 229 (12 x 9)	381 x 279 (15 x 11)
DriveType/No. Speeds	Belt/1	Belt/1	Belt/1	Belt/1
No. Motors	1	1	1	1
Standard Motor Power - W (HP)	750 (1.0)	750 (1.0)	750 (1.0)	1100 (1.5)
Oversized Motor Power - W (HP)	1100 (1.5)	1100 (1.5)	1100 (1.5)	1500 (2.0)
Motor RPM - Standard/Oversized	1425/1425	1425/1425	1425/1425	1450/1450
Filters -Type/Furnished	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
No. / Size Recommended - mm (in.)				
Horizontal	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	2/508 x 635 x 50 (20 x 25 x 2) 2/406 x 635 x 50 (16 x 25 x 2)
Downflow	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	3/406 x 635 x 25 (16 x 25 x 1)	2/508 x 508 x 50 (20 x 20 x 2) 2/406 x 508 x 50 (16 x 20 x 2)
Refrigerant Charge - kg (lbs.) of R-22 per Circuit (3)	3.9 (8.5)	4.5 (10.0)	2.7 (5.9)	3.0 (6.6)

Notes:
1. Cooling Performance is rated at 35°C (95°F) ambient, 27°C (80.6°F) entering dry bulb, 19°C (66.2°F) entering wet bulb. Gross capacity does not include the effect of fan motor heat. Eurovent capacity is net and includes the effect of fan motor heat. Units are suitable for operation ±20% of nominal airflow. Ratings shown are tested and certified in accordance with Eurovent 6/C/001-93.
2. Sound Ratings shown are tested in accordance with Eurovent.
3. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.

General Data

Table GD-2a— General Data

Model	TK*089CD	TK*100CD	TK*125CD	TK*155BD
Cooling Performance (1)				
Eurovent Gross Capacity - kW (MBh)	26.6 (90.8)	31.0 (105.7)	36.0 (123.0)	44.0 (150.0)
COP	2.6	2.8	2.9	2.9
Nominal Airflow - m^3/h (cfm)	4760 (2800)	5610 (3300)	7140 (4200)	8500 (5000)
Eurovent Rated Airflow - m^3/h (cfm)	5100 (3000)	5780 (3400)	7140 (4200)	8500 (5000)
Eurovent Net Capacity - kW (MBh)	25.4 (86.7)	29.6 (101.1)	34.7 (118.4)	42.4 (144.6)
System Power - kW	9.9	10.4	12.2	14.8
Compressor No./Type	1/Recip	2/Recip.	2/Scroll	2/Scroll
Sound Rating dBA (2)	84	88	87	89
Outdoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	1.30 (14.00)	1.73 (18.67)	2.22 (23.90)	2.23 (23.96)
Rows/Fins per inch	2/16	2/16	2/16	2/16
Indoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	0.73 (7.88)	0.98 (10.50)	1.17 (12.63) (3)	1.63 (17.50)
Rows/Fins per inch	3/15	3/15	3/15	2/15
Refrigerant Control	Fixed Orifice	Fixed Orifice	Fixed Orifice	Fixed Orifice
Drain Connection No./Size - in.	1/ ¾ PVC	1/ ¾ PVC	1/ 1 NPT	1/ 1 NPT
Outdoor Fan —Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter - mm (in.)	1/610 (24)	1/660 (26)	1/660 (26)	2/660 (26)
DriveType/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
Airflow - m^3/h (cfm)	7820 (4600)	10900 (6400)	11000 (6500)	15350 (9035)
No. Motors/Power - W (HP)	1/370 (.50)	1/560 (.75)	1/560 (.75)	2/250 (.33)
Motor RPM	900	950	950	925
Indoor Fan —Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used	1	1	1	1
Diameter x Width - mm (in.)	305 x 229 (12 x 9)	381 x 279 (15 x 11)	381 x 381 (15 x 15)	381 x 381 (15 x 15)
DriveType/No. Speeds	Belt/1	Belt/1	Belt/1	Belt/1
No. Motors	1	1	1	1
Standard Motor Power - W (HP)	1500 (2.0)	1500 (2.0)	1500 (2.0)	1500 (2.0)
Oversized Motor Power - W (HP)	N/A	2200 (3.0)	2200 (3.0)	2200 (3.0)
Motor RPM - Standard/Oversized	1450/N/A	1450/2870	1450/2870	1450/2870
Filters - Type/Furnished	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
No. / Size Recommended - mm (in.)				
Horizontal	3/406 x 635 x 25 (16 x 25 x 1)	2/406 x 635 x 50 (16 x 25 x 2) 2/508 x 635 x 50 (20 x 25 x 2)	4/508 x 635 x 50 (20 x 25 x 2)	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)
Downflow	3/406 x 635 x 25 (16 x 25 x 1)	2/508 x 508 x 50 (20 x 20 x 2) 2/406 x 508 x 50 (16 x 20 x 2)	3/406 x 508 x 50 (16 x 20 x 2) 3/508 x 508 x 50 (20 x 20 x 2)	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)
Refrigerant Charge - kg (lbs.) of R-22 per Circuit (4)	5.7 (12.6)	3.6 (8.0)	3.8/4.2 (8.4/9.2)	4.9/3.1 (10.8/6.8)

Notes:
1. Cooling Performance is rated at 35°C (95°F) ambient, 27°C (80.6°F) entering dry bulb, 19°C (66.2°F) entering wet bulb. Gross capacity does not include the effect of fan motor heat. Eurovent capacity is net and includes the effect of fan motor heat. Units are suitable for operation ±20% of nominal airflow. Ratings shown are tested and certified in accordance with Eurovent 6/C/001-93.
2. Sound Ratings shown are tested in accordance with Eurovent.
3. Horizontal discharge unit indoor coil face area is 1.15 m^2 (12.36 ft^2).
4. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.

General Data

Table GD-3a— General Data

Model	TK*175CD	TK*200BD	TK*250BD
Cooling Performance (1)			
Eurovent Gross Capacity - kW (MBh)	50.8 (173.3)	61.8 (210.8)	65.0 (221.8)
COP	2.7	2.7	2.9
Nominal Airflow - m^3/h (cfm)	9850 (5800)	11210 (6600)	14100 (8300)
Eurovent Rated Airflow - m^3/h (cfm)	10190 (6000)	11890 (7000)	14100 (8300)
Eurovent Net Capacity - kW (MBh)	48.2 (164.4)	57.9 (197.5)	62.0 (211.7)
System Power - kW	17.9	21.4	21.2
Compressor			
No./Type	2/Scroll	2/Scroll	2/Scroll
Sound Rating dBA (2)	90	90	90
Outdoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	2.62 (28.21)	3.00 (32.33)	3.39 (36.46)
Rows/Fins per inch	2/16	2/16	2/16
Indoor Coil —Type	Hi-Performance	Hi-Performance	Hi-Performance
Tube Size OD - in.	3/8	3/8	3/8
Face Area - m^2 (sq. ft.)	1.63 (17.50)	2.42 (26.00)	2.42 (26.00)
Rows/Fins per inch	3/15	2/15	3/15
Refrigerant Control	Fixed Orifice	Fixed Orifice	Fixed Orifice
Drain Connection No./Size - in.	1/1 NPT	2/1 NPT	2/1 NPT
Outdoor Fan —Type	Propeller	Propeller	Propeller
No. Used/Diameter - mm (in.)	2/660 (26)	2/660 (26)	2/710 (28)
DriveType/No. Speeds	Direct/1	Direct/1	Direct/1
Airflow - m^3/h (cfm)	19750 (11600)	21000 (12330)	23500 (13800)
No. Motors/Power - W (HP)	2/560 (.75)	2/560 (.75)	2/560 (.75)
Motor RPM	950	950	950
Indoor Fan —Type	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used	1	1	1
Diameter x Width - mm (in.)	381 x 381 (15 x 15)	457 x 457 (18 x 18)	457 x 457 (18 x 18)
DriveType/No. Speeds	Belt/1	Belt/1	Belt/1
No. Motors	1	1	1
Standard Motor Power - W (HP)	2200 (3.0)	2200 (3.0)	3700 (5.0)
Oversized Motor Power - W (HP)	3700 (5.0)	3700 (5.0)	N/A
Motor RPM - Standard/Oversized	2870/2900	2870/2900	2900/N/A
Filters -Type/Furnished	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
No. / Size Recommended - mm (in.)			
Horizontal	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)	8/508 x 635 x 50 (20 x 25 x 2)	8/508 x 635 x 50 (20 x 25 x 2)
Downflow	2/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)	4/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)	4/508 x 508 x 50 (20 x 20 x 2) 4/508 x 635 x 50 (20 x 25 x 2)
Refrigerant Charge - kg (lbs.) of R-22 per Circuit (3)	6.0/4.0 (13.1/8.7)	5.9 (12.9)	7.2 (15.9)

Notes:
1. Cooling Performance is rated at 35°C (95°F) ambient, 27°C (80.6°F) entering dry bulb, 19°C (66.2°F) entering wet bulb. Gross capacity does not include the effect of fan motor heat. Eurovent capacity is net and includes the effect of fan motor heat. Units are suitable for operation ±20% of nominal airflow. Ratings shown are tested and certified in accordance with Eurovent 6/C/001-93.
2. Sound Ratings shown are tested in accordance with Eurovent.
3. Refrigerant charge is an approximate value. For a more precise value, see unit nameplate and service instructions.

Performance Data

T**063CD

Table PD-1 — Gross Cooling Capacities (kW) TC*063CD, TK*063CD — (SI)

Airflow m³/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	35 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	40 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	45 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
3210	24	17.2	14.3	19.6	11.7	21.1	8.7	15.9	13.6	18.4	11.0	20.1	8.2	14.6	12.9	17.0	10.3	18.9	7.5	13.3	12.2	15.6	9.6	17.7	6.9
	27	17.5	17.3	19.6	14.5	21.2	11.5	16.3	16.3	18.4	13.9	20.2	10.9	15.2	15.2	17.1	13.2	19.0	10.3	14.2	14.2	15.7	12.5	17.7	9.7
	30	18.8	18.8	19.7	17.3	21.4	14.1	17.7	17.7	18.6	16.8	20.3	13.6	16.7	16.7	17.3	16.1	19.1	13.1	15.6	15.6	15.9	15.4	17.8	12.5
	33	20.0	20.0	20.0	20.0	21.5	16.7	19.0	19.0	19.0	19.0	20.5	16.3	18.0	18.0	18.0	18.0	19.3	15.8	17.0	17.0	16.9	16.9	18.0	15.2
3570	24	17.7	15.2	19.9	12.2	21.3	8.8	16.4	14.5	18.7	11.5	20.3	8.3	15.1	13.7	17.4	10.9	19.2	7.7	13.7	13.0	16.0	10.2	17.9	7.1
	27	18.1	18.1	20.0	15.2	21.4	11.8	17.0	17.0	18.8	14.6	20.4	11.3	15.9	15.9	17.5	14.0	19.3	10.8	14.8	14.8	16.1	13.3	18.0	10.2
	30	19.5	19.5	20.2	18.3	21.7	14.6	18.5	18.5	19.0	17.8	20.6	14.2	17.4	17.4	17.7	17.2	19.4	13.7	16.3	16.3	16.3	16.3	18.1	13.1
	33	20.6	20.6	20.6	20.6	21.9	17.3	19.7	19.7	19.7	19.7	20.8	17.0	18.7	18.7	18.7	18.7	19.6	16.6	17.6	17.6	17.6	17.6	18.3	16.1
3930	24	18.1	16.0	20.2	12.6	21.5	9.0	16.8	15.3	19.1	12.0	20.5	8.5	15.5	14.6	17.7	11.4	19.4	7.9	14.1	13.8	16.3	10.7	18.1	7.3
	27	18.8	18.8	20.3	15.9	21.7	12.1	17.7	17.7	19.1	15.3	20.7	11.7	16.6	16.6	17.8	14.7	19.5	11.1	15.4	15.4	16.4	14.1	18.2	10.6
	30	20.1	20.1	20.5	19.1	21.9	15.0	19.1	19.1	19.4	18.7	20.9	14.7	18.0	18.0	18.2	18.1	19.7	14.2	16.9	16.9	16.9	16.9	18.4	13.7
	33	21.1	21.1	21.1	21.1	22.1	18.0	20.2	20.2	20.2	20.2	21.1	17.7	19.2	19.2	19.2	19.2	19.9	17.3	18.1	18.1	18.1	18.1	18.6	16.9
4290	24	18.5	16.8	20.4	13.0	21.7	9.2	17.2	16.1	19.3	12.5	20.7	8.7	15.8	15.3	18.0	11.8	19.5	8.1	14.3	14.3	16.6	11.1	18.3	7.5
	27	19.3	19.3	20.6	16.5	21.9	12.4	18.3	18.3	19.4	16.0	20.8	11.9	17.1	17.1	18.1	15.4	19.7	11.5	15.9	15.9	16.7	14.8	18.4	10.9
	30	20.5	20.5	20.8	19.9	22.1	15.4	19.6	19.6	19.7	19.5	21.1	15.1	18.5	18.5	18.5	18.5	19.9	14.7	17.3	17.3	17.3	17.3	18.6	14.3
	33	21.6	21.6	21.5	21.5	22.4	18.5	20.6	20.6	20.6	20.6	21.3	18.3	19.6	19.6	19.6	19.6	20.1	18.0	18.5	18.5	18.5	18.5	18.8	17.6

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-1a — Gross Cooling Capacities (MBh) TC*063CD, TK*063CD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	95 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	105 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	115 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
1890	75	59.5	48.4	68.2	38.2	73.3	26.2	54.7	45.7	63.7	35.7	69.6	24.3	49.7	43.0	58.8	33.3	65.3	22.2	44.6	40.3	53.4	30.6	60.6	20.1
	80	60.3	57.9	68.4	47.2	73.8	35.6	55.7	55.3	63.9	44.9	70.1	33.5	51.1	51.1	58.9	42.3	65.7	31.3	47.0	47.0	53.5	39.7	60.9	29.0
	85	63.5	63.5	68.7	56.0	74.2	43.7	59.6	59.6	64.2	53.8	70.4	42.0	55.6	55.6	59.2	51.4	66.0	40.0	51.5	51.5	54.0	48.8	61.2	37.8
	90	67.6	67.6	69.3	64.8	74.9	51.7	63.9	63.9	65.0	62.9	71.0	50.1	60.0	60.0	60.0	60.0	66.5	48.3	55.9	55.9	55.9	55.9	61.6	46.3
2100	75	61.2	51.3	69.3	39.6	74.0	26.6	56.2	48.6	65.0	37.4	70.3	24.7	51.1	45.8	60.1	34.9	66.0	22.7	45.9	43.1	54.6	32.2	61.3	20.4
	80	62.3	61.7	69.6	49.3	74.6	36.9	57.5	57.5	65.2	47.1	70.9	34.8	53.4	53.4	60.2	44.8	66.5	32.6	49.2	49.2	54.7	42.1	61.7	30.3
	85	66.1	66.1	70.0	58.8	75.2	45.0	62.2	62.2	65.6	56.8	71.4	43.4	58.2	58.2	60.7	54.7	67.0	41.6	53.9	53.9	55.4	52.2	62.1	39.5
	90	69.8	69.8	70.8	68.2	75.9	53.5	66.3	66.3	66.7	66.6	72.0	52.2	62.3	62.3	62.3	62.3	67.6	50.5	58.1	58.1	58.1	58.1	62.6	48.7
2310	75	62.6	54.0	70.2	41.1	74.6	27.0	57.6	51.3	65.9	38.8	70.9	25.2	52.4	48.5	61.0	36.3	66.6	23.1	47.2	45.7	55.6	33.8	61.9	20.8
	80	63.9	63.9	70.5	51.1	75.0	37.4	59.8	59.8	66.2	49.3	71.3	35.6	55.5	55.5	61.2	47.0	67.0	33.6	51.1	51.1	55.8	44.5	62.3	31.5
	85	68.1	68.1	71.1	61.2	75.9	46.2	64.3	64.3	66.7	59.6	72.1	44.7	60.2	60.2	61.9	57.6	67.7	43.0	55.8	55.8	56.8	55.4	62.8	41.1
	90	71.6	71.6	72.1	71.2	76.7	55.0	68.0	68.0	68.0	68.0	72.9	54.0	64.1	64.1	64.1	64.1	68.4	52.5	59.9	59.9	59.9	59.9	63.4	50.8
2520	75	63.9	56.6	70.8	42.2	75.0	27.5	58.8	53.9	66.6	40.1	71.4	25.6	53.6	51.1	61.8	37.8	67.1	23.4	47.8	47.8	56.5	35.2	62.3	21.2
	80	65.8	65.8	71.4	52.8	75.8	38.2	61.7	61.7	67.0	51.2	71.9	36.3	57.4	57.4	62.1	49.1	67.6	34.4	52.8	52.8	56.7	46.7	62.8	32.2
	85	69.7	69.7	72.0	63.5	76.5	47.2	66.0	66.0	67.7	62.1	72.8	45.9	61.9	61.9	63.0	60.3	68.4	44.3	57.5	57.5	57.5	57.5	63.4	42.5
	90	73.0	73.0	73.0	73.0	77.4	56.5	69.5	69.5	69.5	69.5	73.6	55.6	65.5	65.5	65.5	65.5	69.1	54.4	61.3	61.3	61.3	61.3	64.1	52.8

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

T**073CD

Table PD-2 — Gross Cooling Capacities (kW) TC*073CD, TK*073CD — (SI)

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	35 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	40 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	45 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
3820	24	21.5	17.7	24.4	14.4	26.3	10.8	19.7	16.7	22.8	13.5	24.9	10.1	17.9	15.7	20.9	12.6	23.4	9.3	16.1	14.8	18.9	11.6	21.7	8.4
	27	21.9	21.4	24.5	17.9	26.5	14.2	20.1	20.1	22.8	17.1	25.1	13.5	18.6	18.6	21.0	16.1	23.5	12.7	17.2	17.2	19.0	15.2	21.8	11.9
	30	23.3	23.3	24.6	21.3	26.6	17.3	21.9	21.9	23.0	20.5	25.2	16.7	20.4	20.4	21.2	19.7	23.6	16.1	18.9	18.9	19.3	18.8	21.9	15.3
	33	24.8	24.8	25.0	24.7	26.8	20.4	23.5	23.5	23.5	23.5	25.4	20.0	22.1	22.1	22.1	22.1	23.8	19.4	20.7	20.7	20.7	20.7	22.0	18.7
4250	24	22.2	18.8	24.9	15.0	26.6	11.0	20.3	17.8	23.2	14.2	25.3	10.2	18.4	16.8	21.5	13.3	23.7	9.5	16.6	15.8	19.4	12.3	22.1	8.7
	27	22.5	22.5	25.0	18.7	26.8	15.1	21.0	21.0	23.3	18.0	25.4	14.0	19.5	19.5	21.5	17.1	23.9	13.3	18.0	18.0	19.5	16.2	22.2	12.5
	30	24.2	24.2	25.2	22.4	27.0	17.9	22.8	22.8	23.6	21.8	25.6	17.4	21.4	21.4	21.8	21.0	24.0	16.8	19.9	19.9	19.9	19.9	22.3	16.1
	33	25.6	25.6	25.6	25.6	27.3	21.2	24.3	24.3	24.3	24.3	25.9	20.9	23.0	23.0	23.0	23.0	24.2	20.4	21.5	21.5	21.5	21.5	22.5	19.8
4680	24	22.8	19.8	25.2	15.6	26.9	11.2	20.8	18.8	23.6	14.8	25.5	10.5	18.9	17.8	21.8	13.9	24.0	9.7	17.1	16.8	19.9	13.0	22.3	8.9
	27	23.4	23.4	25.4	19.5	27.1	15.4	21.9	21.9	23.7	18.9	25.7	14.4	20.3	20.3	21.9	18.1	24.1	13.7	18.7	18.7	20.0	17.2	22.4	13.0
	30	24.9	24.9	25.6	23.4	27.3	19.6	23.6	23.6	24.1	22.9	26.0	18.0	22.1	22.1	22.4	22.2	24.4	17.5	20.6	20.6	20.6	20.6	22.6	16.9
	33	26.2	26.2	26.2	26.2	27.6	22.0	25.0	25.0	25.0	25.0	26.2	21.7	23.7	23.7	23.7	23.7	24.6	21.3	22.2	22.2	22.2	22.2	22.9	20.8
5110	24	23.2	20.8	25.5	16.0	27.1	11.5	21.3	19.8	23.9	15.4	25.7	10.7	19.4	18.8	22.2	14.5	24.2	10.0	17.4	17.4	20.2	13.6	22.6	9.2
	27	24.0	24.0	25.7	20.2	27.4	16.0	22.6	22.6	24.1	19.6	25.9	14.9	21.0	21.0	22.3	18.9	24.4	14.2	19.4	19.4	20.4	18.1	22.7	13.5
	30	25.5	25.5	26.0	24.3	27.6	19.0	24.2	24.2	24.5	23.9	26.2	18.6	22.8	22.8	22.8	22.8	24.7	18.2	21.3	21.3	21.3	21.3	22.9	17.6
	33	26.8	26.8	26.8	26.8	27.9	22.6	25.6	25.6	25.6	25.6	26.5	22.5	24.2	24.2	24.2	24.2	25.0	22.2	22.8	22.8	22.8	22.8	23.3	21.7

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-2a — Gross Cooling Capacities (MBh) TC*073CD, TK*073CD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	95 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	105 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	115 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
2250	75	74.6	60.0	84.9	47.4	91.3	32.6	67.6	56.2	79.0	44.1	86.4	30.1	60.6	52.4	72.3	40.7	80.8	27.4	53.7	48.8	64.7	37.0	74.6	24.5
	80	75.5	71.5	85.2	58.1	92.1	44.7	68.8	67.8	79.2	55.1	87.1	41.5	62.3	62.3	72.4	51.8	81.3	38.5	56.8	56.8	64.8	48.1	75.0	35.5
	85	79.0	79.0	85.6	68.8	0.0	0.0	73.6	73.6	79.5	66.0	87.4	51.7	68.0	68.0	72.8	62.9	81.6	49.2	62.4	62.4	65.5	59.3	75.3	46.6
	90	83.8	83.8	86.4	79.4	93.4	63.5	78.8	78.8	80.5	77.0	88.2	61.6	73.5	73.5	73.5	73.5	82.3	59.4	68.0	68.0	68.0	68.0	75.7	56.9
2500	75	76.8	63.6	86.4	49.1	92.4	33.2	69.6	59.7	80.5	46.0	87.5	30.6	62.5	55.9	73.8	42.7	81.9	27.9	55.4	52.2	66.4	39.2	75.7	25.0
	80	78.0	76.2	86.7	60.6	93.2	45.8	71.0	71.0	80.8	58.0	88.2	43.1	65.3	65.3	74.0	54.8	82.5	40.2	59.5	59.5	66.6	51.2	76.1	37.2
	85	82.1	82.1	87.3	72.1	93.9	58.0	76.9	76.9	81.3	69.8	88.7	53.5	71.3	71.3	74.6	66.9	82.9	51.3	65.4	65.4	67.5	63.6	76.5	48.7
	90	86.6	86.6	88.3	83.4	94.6	70.1	81.8	81.8	82.6	81.5	89.6	64.1	76.5	76.5	76.5	76.5	83.6	62.2	71.0	71.0	70.9	70.9	77.1	60.0
2750	75	78.7	66.9	87.5	50.9	93.3	33.8	71.4	63.1	81.8	47.9	88.3	31.2	64.1	59.3	75.1	44.6	82.7	28.6	56.9	55.5	67.8	41.1	76.5	25.6
	80	79.6	79.6	88.0	62.9	94.1	47.4	73.9	73.9	82.1	60.5	89.1	44.6	68.0	68.0	75.4	57.6	83.4	41.7	61.9	61.9	68.0	54.2	77.0	38.7
	85	84.6	84.6	88.7	75.0	95.0	57.5	79.5	79.5	82.8	73.1	89.9	55.5	73.9	73.9	76.2	70.5	84.0	53.1	68.1	68.1	69.2	67.6	77.5	50.7
	90	88.9	88.9	89.9	87.0	95.9	67.6	84.1	84.1	84.1	84.1	90.7	66.3	78.9	78.9	78.9	78.9	84.8	64.8	73.4	73.4	73.3	73.3	78.2	62.8
3000	75	80.1	70.0	88.4	52.7	94.0	34.3	73.0	66.3	82.8	49.6	89.1	31.8	65.6	62.5	76.2	46.4	83.4	29.1	57.8	57.8	68.9	42.9	77.2	26.1
	80	81.9	81.9	89.0	66.9	94.9	48.9	76.4	76.4	83.2	62.8	89.9	46.1	70.4	70.4	76.5	60.2	83.9	42.5	64.1	64.1	69.2	57.0	77.6	39.9
	85	86.6	86.6	89.8	77.7	96.2	58.9	81.6	81.6	84.0	76.2	90.8	57.3	76.1	76.1	77.6	74.0	84.8	54.7	70.2	70.2	70.2	70.2	78.4	52.6
	90	90.6	90.6	91.2	90.1	96.8	69.4	86.0	86.0	86.0	86.0	91.6	68.4	80.9	80.9	80.8	80.8	85.7	67.1	75.3	75.3	75.3	75.3	79.2	65.4

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

T**073DD

Table PD-3 — Gross Cooling Capacities (kW) TC*073DD, TK*073DD — (SI)

Airflow m³/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16		19		22		35 / 16		19		22		40 / 16		19		22		45 / 16		19		22	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
3820	24	21.3	17.5	24.3	14.3	25.9	10.7	19.7	16.6	22.9	13.6	24.8	10.2	18.1	15.8	21.3	12.8	23.5	9.4	16.5	14.9	19.5	11.9	22.0	8.7
	27	21.3	21.3	24.3	17.7	26.0	14.1	20.0	20.0	22.9	17.0	25.0	13.5	18.8	18.8	21.3	16.2	23.6	12.8	17.5	17.5	19.5	15.3	22.1	12.1
	30	23.1	23.1	24.5	21.1	26.3	17.1	21.8	21.8	23.1	20.4	25.1	16.6	20.6	20.6	21.5	19.7	23.8	16.0	19.3	19.3	19.8	18.8	22.3	15.3
	33	24.6	24.6	24.5	24.5	26.5	20.1	23.4	23.4	23.4	23.4	25.3	19.7	22.2	22.2	22.2	22.2	23.9	19.2	21.0	21.0	20.9	20.9	22.4	18.6
4250	24	22.0	18.6	24.7	14.9	26.2	10.9	20.4	17.7	23.3	14.2	25.1	10.3	18.7	16.8	21.8	13.4	23.8	9.6	17.0	15.9	20.0	12.6	22.3	8.9
	27	22.3	22.3	24.8	18.5	26.3	14.4	21.1	21.0	23.4	17.9	25.2	13.9	19.7	19.7	21.8	17.2	23.9	13.3	18.3	18.3	20.1	16.3	22.4	12.6
	30	24.0	24.0	25.0	22.1	26.6	17.6	22.8	22.8	23.6	21.6	25.5	17.2	21.5	21.5	22.1	20.9	24.1	16.7	20.2	20.2	20.2	20.2	22.6	16.1
	33	25.3	25.3	25.3	25.3	26.9	20.8	24.3	24.3	24.2	24.2	25.7	20.5	23.1	23.1	23.0	23.0	24.4	20.1	21.8	21.8	21.8	21.8	22.8	19.6
4680	24	22.6	19.6	25.0	15.5	26.4	11.1	20.9	18.7	23.7	14.8	25.3	10.5	19.2	17.8	22.2	14.0	24.0	9.8	17.5	16.9	20.4	13.2	22.6	9.1
	27	23.1	23.1	25.2	19.3	26.6	14.7	21.8	21.8	23.8	18.7	25.5	14.2	20.5	20.5	22.2	18.0	24.2	13.7	19.1	19.1	20.5	17.3	22.7	13.0
	30	24.7	24.7	25.4	23.1	26.9	18.1	23.5	23.5	24.1	22.6	25.8	17.7	22.3	22.3	22.3	22.3	24.4	17.3	20.9	20.9	20.9	20.9	22.9	16.7
	33	26.0	26.0	26.0	25.9	27.2	21.5	24.9	24.9	24.9	24.9	26.1	21.2	23.7	23.7	23.7	23.7	24.7	20.9	22.4	22.4	22.4	22.4	23.2	20.4
5110	24	23.1	20.5	25.3	15.9	26.6	11.4	21.4	19.7	24.0	15.3	25.5	10.7	19.7	18.8	22.5	14.6	24.2	10.1	17.7	17.7	20.8	13.8	22.8	9.4
	27	23.8	23.8	25.5	19.9	26.8	15.0	22.6	22.6	24.1	19.4	25.7	14.5	21.2	21.2	22.6	18.8	24.4	14.0	19.7	19.7	20.9	18.1	22.9	13.4
	30	25.3	25.3	25.8	23.9	27.1	18.5	24.1	24.1	24.5	23.5	26.0	18.2	22.9	22.9	22.9	22.9	24.7	17.8	21.5	21.5	21.5	21.5	23.2	17.3
	33	26.4	26.4	26.4	26.4	27.5	22.0	25.4	25.4	25.4	25.4	26.3	21.9	24.2	24.2	24.2	24.2	25.0	21.6	22.9	22.9	22.9	22.9	23.5	21.2

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-3a — Gross Cooling Capacities (MBh) TC*073DD, TK*073DD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61		67		73		95 / 61		67		73		105 / 61		67		73		115 / 61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
2250	75	73.8	59.3	84.3	47.0	89.8	32.4	67.7	56.0	79.3	44.2	85.8	30.3	61.6	52.7	73.4	41.3	81.0	27.9	55.4	49.4	66.8	38.1	75.5	25.4
	80	74.7	70.6	84.6	57.6	90.6	43.8	67.6	67.6	79.4	55.1	86.4	41.4	62.9	62.9	73.5	52.1	81.5	38.9	58.0	58.0	66.9	48.9	76.0	36.2
	85	78.1	78.1	85.0	68.0	91.1	53.1	73.4	73.4	79.7	65.7	86.9	51.2	68.6	68.6	73.8	62.9	81.9	49.0	63.6	63.6	67.4	59.8	76.3	46.6
	90	83.0	83.0	85.7	78.4	92.0	62.3	78.7	78.7	80.6	76.3	87.7	60.8	74.0	74.0	74.0	74.0	82.6	58.9	69.1	69.1	69.4	68.6	76.9	56.6
2500	75	76.0	62.8	85.7	48.8	90.6	32.8	69.8	59.4	80.7	46.1	86.6	30.7	63.5	56.1	75.0	43.2	81.8	28.4	57.1	52.7	68.5	40.1	76.4	25.9
	80	75.8	75.8	86.0	60.0	91.4	43.3	70.9	70.9	81.0	57.7	87.0	42.8	65.9	65.9	75.2	55.0	82.5	40.4	60.7	60.7	68.6	51.9	76.9	37.7
	85	81.3	81.3	86.6	71.1	92.3	53.7	76.7	76.7	81.5	69.2	88.0	52.8	71.8	71.8	75.7	66.7	83.1	50.8	66.6	66.6	69.3	63.8	77.4	48.5
	90	85.8	85.8	87.5	82.2	93.1	64.2	81.6	81.6	81.5	81.5	88.9	63.0	76.9	76.9	76.9	76.9	83.9	61.3	72.0	72.0	71.9	71.9	78.1	59.3
2750	75	77.9	66.1	86.5	50.3	91.2	33.3	71.6	62.7	81.9	47.9	87.2	31.2	65.2	59.3	76.2	45.0	82.5	28.9	58.7	56.0	69.8	41.9	77.1	26.4
	80	78.7	78.7	87.2	62.1	92.1	44.1	74.0	73.7	82.2	60.1	87.8	43.7	68.6	68.6	76.5	57.6	83.0	41.4	63.2	63.2	70.0	54.7	77.5	38.9
	85	83.8	83.8	87.9	73.9	93.1	55.0	79.4	79.4	82.9	72.3	88.8	54.2	74.4	74.4	77.2	70.1	83.9	52.3	69.2	69.2	71.0	67.5	78.3	50.2
	90	87.9	87.9	89.0	85.5	94.0	65.8	83.8	83.8	83.7	83.7	89.9	64.8	79.2	79.2	79.1	79.1	84.9	63.4	74.2	74.2	74.2	74.2	79.1	61.7
3000	75	79.5	69.2	87.4	51.5	91.6	33.8	73.3	65.9	82.7	49.3	87.7	31.7	66.7	62.5	77.1	46.7	83.0	29.4	59.1	59.1	70.8	43.7	77.6	26.8
	80	81.1	81.1	88.2	63.9	92.6	45.0	76.2	76.2	83.3	62.2	88.6	43.6	70.9	70.9	77.5	60.0	83.6	42.2	65.5	65.5	71.1	57.3	78.2	39.9
	85	85.7	85.7	88.9	76.3	93.7	56.1	81.4	81.4	84.0	75.1	89.5	55.4	76.6	76.6	78.4	73.2	84.7	53.7	71.3	71.3	71.3	71.3	79.1	51.8
	90	89.6	89.6	89.5	89.5	94.7	67.3	85.5	85.5	85.5	85.5	90.6	66.5	81.0	81.0	80.9	80.9	85.7	65.4	76.0	76.0	75.9	75.9	80.0	63.8

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

T**085CD

Table PD-4 — Gross Cooling Capacities (kW) TC*085CD, TK*085CD — (SI)

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	35 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	40 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	45 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
4280	24	24.5	20.0	28.0	16.5	30.1	12.4	22.6	18.9	26.2	15.6	28.9	11.8	20.6	17.9	24.2	14.6	27.4	11.0	18.6	16.9	21.9	14.5	25.6	10.1
	27	24.8	24.0	28.1	20.3	30.3	16.2	22.8	22.8	26.3	19.4	29.0	15.5	21.3	21.3	24.2	18.4	27.5	14.8	19.7	19.7	22.0	17.4	25.6	13.9
	30	26.3	26.3	28.2	24.1	30.4	19.7	24.8	24.8	26.4	23.3	29.1	19.2	23.3	23.3	24.4	22.3	27.5	18.5	21.7	21.7	22.3	21.3	25.6	17.7
	33	28.2	28.2	28.1	28.1	30.6	23.1	26.8	26.8	26.8	26.8	29.3	22.7	25.3	25.3	25.3	25.3	27.6	22.2	23.7	23.7	23.7	23.7	25.7	21.5
4760	24	25.2	21.2	28.6	17.2	30.4	12.6	23.3	20.1	26.9	16.3	29.3	11.9	21.3	19.1	24.8	15.4	27.8	11.2	19.2	18.1	22.6	14.3	26.0	10.4
	27	25.4	25.4	28.7	21.3	30.5	16.7	24.0	23.9	26.9	20.5	29.4	16.1	22.3	22.3	24.9	19.5	27.9	15.4	20.6	20.6	22.6	18.5	26.1	14.6
	30	27.5	27.5	28.8	25.4	30.8	20.3	26.0	26.0	27.1	24.8	29.6	19.9	24.4	24.4	25.2	23.8	28.0	19.4	22.7	22.7	22.7	22.7	26.1	18.7
	33	29.2	29.2	29.1	29.1	31.1	24.0	27.9	27.9	27.9	27.9	29.8	23.7	26.4	26.4	26.4	26.4	28.2	23.3	24.8	24.8	24.8	24.8	26.3	22.8
5240	24	25.9	22.3	29.0	17.8	30.7	12.9	23.9	21.3	27.4	17.0	29.5	12.2	21.8	20.2	25.4	16.1	28.1	11.5	19.3	19.3	23.1	15.0	26.4	10.7
	27	26.4	26.4	29.1	22.2	30.8	17.0	24.9	24.9	27.5	21.5	29.7	16.6	23.2	23.2	25.5	20.6	28.2	16.0	21.5	21.5	23.2	19.6	26.5	15.2
	30	28.4	28.4	29.3	26.6	31.1	20.8	27.0	27.0	27.7	26.1	29.9	20.6	25.4	25.4	25.4	25.4	28.4	20.1	23.7	23.7	23.7	23.7	26.6	19.6
	33	29.9	29.9	29.9	29.9	31.4	24.7	28.7	28.7	28.7	28.7	30.2	24.6	27.3	27.3	27.3	27.3	28.6	24.4	25.7	25.7	25.7	25.7	26.8	23.9
5720	24	26.5	23.4	29.3	18.4	30.9	13.1	24.4	22.3	27.8	17.7	29.7	12.5	22.4	21.3	25.9	16.7	28.3	11.7	20.0	20.0	23.5	15.7	26.6	11.0
	27	27.3	27.3	29.5	23.0	31.1	17.3	25.7	25.7	27.9	22.5	29.9	16.9	24.0	24.0	25.9	21.6	28.5	16.4	22.3	22.3	23.7	20.6	26.7	15.8
	30	29.1	29.1	29.8	27.6	31.4	21.3	27.8	27.8	28.3	27.2	30.2	21.2	26.3	26.3	26.3	26.3	28.7	20.8	24.5	24.5	24.5	24.5	26.9	20.4
	33	30.5	30.5	30.5	30.5	31.7	25.3	29.3	29.3	29.3	29.3	30.5	25.4	28.0	28.0	28.0	28.0	29.0	25.3	26.5	26.5	26.5	26.5	27.2	25.0

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-4a — Gross Cooling Capacities (MBh) TC*085CD, TK*085CD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	95 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	105 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	115 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
2525	75	84.7	67.6	97.7	54.2	104.3	37.6	77.5	63.8	91.4	50.9	100.1	35.3	70.0	59.9	83.6	47.2	94.8	32.8	62.4	56.0	75.0	46.2	88.2	29.9
	80	85.4	80.2	97.9	66.3	105.0	50.5	77.0	77.0	91.5	63.0	100.6	47.8	71.9	71.0	83.7	59.3	95.0	45.0	65.3	65.3	75.2	55.4	88.3	42.0
	85	89.0	89.0	98.1	78.1	105.4	61.2	83.4	83.4	91.6	75.2	100.9	59.4	77.6	77.6	83.9	71.5	95.4	57.1	71.6	71.6	75.7	67.6	88.5	54.0
	90	95.2	95.2	98.7	89.9	106.3	71.7	89.9	89.9	92.5	87.5	101.6	70.3	84.0	84.0	84.0	84.0	95.7	68.4	77.9	77.9	78.3	78.0	88.7	65.8
2800	75	87.2	71.5	99.3	56.1	105.2	38.0	79.7	67.6	93.4	53.0	101.1	35.8	72.1	63.7	85.8	49.5	95.9	33.4	64.2	59.7	77.1	45.6	89.5	30.6
	80	88.3	85.4	99.5	69.1	106.0	51.9	80.6	80.6	93.5	66.3	101.8	49.4	74.6	74.6	85.9	62.7	96.3	46.7	68.4	68.4	77.3	58.8	89.7	43.7
	85	93.1	93.1	100.0	81.8	106.6	62.8	87.4	87.4	93.8	79.5	102.2	61.3	81.3	81.3	86.3	76.1	96.6	59.3	75.0	75.0	78.0	72.2	89.9	56.7
	90	98.6	98.6	100.8	94.4	107.5	73.8	93.6	93.6	93.6	93.6	103.0	72.9	87.9	87.9	88.5	87.4	97.2	71.4	81.7	81.7	81.6	81.6	90.3	69.3
3075	75	89.4	75.3	100.5	58.0	105.9	38.6	81.7	71.3	94.9	55.1	101.9	36.4	73.9	67.3	87.6	51.7	96.7	34.0	66.0	63.3	78.8	47.7	90.5	31.1
	80	89.8	89.8	100.9	71.5	106.8	51.0	84.3	84.1	95.1	69.2	102.6	51.0	77.6	77.6	87.7	65.9	97.3	48.3	71.1	71.1	79.0	62.0	90.8	45.4
	85	96.3	96.3	101.5	85.0	107.7	63.4	90.8	90.8	95.6	83.3	103.2	62.9	84.6	84.6	88.3	80.4	97.8	61.2	78.0	78.0	80.2	76.7	91.1	59.1
	90	101.1	101.1	102.6	98.3	108.5	75.7	96.5	96.5	96.5	96.5	104.2	75.2	91.0	91.0	91.0	91.0	98.5	74.1	84.8	84.8	84.8	84.8	91.6	72.5
3350	75	91.3	78.8	101.4	59.5	106.4	39.1	83.6	74.8	96.1	57.0	102.5	37.0	75.6	70.8	89.0	53.6	97.4	34.5	66.6	66.6	80.3	49.8	91.2	31.6
	80	92.9	92.9	102.0	73.6	107.4	51.8	86.8	86.8	96.4	71.9	103.0	51.7	80.4	80.4	89.2	69.0	97.8	49.5	73.6	73.6	80.6	65.2	91.6	46.9
	85	98.7	98.7	102.7	87.9	108.4	64.6	93.6	93.6	97.1	86.8	104.1	64.4	87.5	87.5	90.1	84.5	98.7	63.0	80.8	80.8	80.8	80.8	92.1	61.1
	90	103.2	103.2	103.1	103.1	109.3	77.3	98.7	98.7	99.0	98.4	105.1	77.2	93.5	93.5	93.4	93.4	99.5	76.6	87.4	87.4	87.3	87.3	92.7	75.4

OTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

T**089CD

Table PD-5 — Gross Cooling Capacities (kW) TC*089CD, TK*089CD — (SI)

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) / Entering Wet Bulb Temperature (°C)																					
		30						35						40						45			
		16		19		22		16		19		22		16		19		22		16		19		22	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
4280	24	24.2	19.7	27.2	16.1	28.8	12.0	22.2	18.6	25.7	15.3	27.9	11.5	20.1	17.5	23.6	14.3	26.6	10.7	18.2	16.6	21.2	14.2	24.8	9.8
	27	24.5	23.6	27.3	19.8	28.9	15.6	22.6	22.6	25.7	19.1	28.1	15.1	20.8	20.8	23.6	18.0	26.7	14.4	19.2	19.2	21.3	16.9	24.8	13.6
	30	25.9	25.9	27.4	23.5	29.2	18.9	24.4	24.4	25.8	22.8	28.2	18.6	22.8	22.8	23.8	21.9	26.8	18.1	21.1	21.1	21.6	20.8	24.9	17.3
	33	27.5	27.5	27.8	27.1	29.5	22.2	26.2	26.2	26.2	26.2	28.4	22.1	24.8	24.8	24.8	24.8	26.9	21.7	23.2	23.2	23.0	23.0	25.0	21.1
4760	24	24.9	20.8	27.6	16.7	29.0	12.2	22.8	19.8	26.2	16.0	28.2	11.6	20.7	18.7	24.2	15.0	27.0	10.9	18.7	17.6	21.8	13.9	25.3	10.1
	27	25.4	25.2	27.8	20.6	29.3	16.7	23.4	23.4	26.3	20.1	28.3	15.6	21.8	21.8	24.2	19.1	27.1	15.1	20.1	20.1	21.9	18.0	25.4	14.3
	30	26.9	26.9	28.0	24.6	29.6	20.5	25.5	25.5	26.5	24.2	28.6	19.3	23.9	23.9	24.6	23.3	27.2	19.0	22.2	22.2	22.4	22.3	25.4	18.3
	33	28.3	28.3	28.4	28.4	29.9	22.9	27.2	27.2	27.2	27.2	28.8	23.0	25.8	25.8	25.8	25.8	27.4	22.9	24.3	24.3	24.1	24.1	25.6	22.4
5240	24	25.5	21.9	27.9	17.2	29.2	12.4	23.4	20.8	26.6	16.6	28.4	11.9	21.3	19.7	24.7	15.7	27.2	11.2	19.2	18.7	22.2	14.6	25.7	10.4
	27	26.0	26.0	28.1	21.4	29.5	16.9	24.4	24.4	26.7	21.0	28.6	16.0	22.7	22.7	24.8	20.2	27.4	15.7	20.9	20.9	22.4	19.0	25.8	14.9
	30	27.6	27.6	28.4	25.5	29.8	21.4	26.4	26.4	27.0	25.3	28.9	20.8	24.8	24.8	25.3	24.7	27.6	19.7	23.1	23.1	22.9	22.9	25.8	19.3
	33	28.9	28.9	28.9	28.9	30.2	23.5	27.9	27.9	27.9	27.9	29.2	23.8	26.6	26.6	26.6	26.6	27.8	23.8	25.1	25.1	25.1	25.1	26.1	23.6
5720	24	26.0	22.9	28.2	17.6	29.3	12.7	23.9	21.9	27.0	17.2	28.6	12.1	21.8	20.8	25.2	16.3	27.4	11.4	19.4	19.4	22.6	15.2	26.0	10.7
	27	26.7	26.7	28.4	22.0	29.7	17.5	25.2	25.2	27.1	21.8	28.8	16.6	23.5	23.5	25.3	21.1	27.6	16.0	21.6	21.6	22.8	20.0	26.1	15.5
	30	28.2	28.2	28.8	26.4	30.2	20.4	27.0	27.0	27.5	26.4	29.1	20.4	25.6	25.6	25.6	25.6	27.9	20.4	23.9	23.9	23.7	23.7	26.2	20.1
	33	29.4	29.4	29.4	29.4	30.4	24.0	28.5	28.5	28.4	28.4	29.5	24.5	27.3	27.3	27.3	27.3	28.2	24.7	25.8	25.8	25.8	25.8	26.5	24.7

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-5a — Gross Cooling Capacities (MBh) TC*089CD, TK*089CD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) / Entering Wet Bulb Temperature (°F)																					
		85						95						105						115			
		61		67		73		61		67		73		61		67		73		61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
2525	75	83.7	66.8	94.3	52.6	99.3	36.3	76.1	62.7	89.1	49.8	96.3	34.3	68.2	58.6	81.3	49.2	92.0	32.0	61.0	54.9	72.4	45.3	85.9	29.2
	80	84.5	79.1	94.6	64.4	100.2	48.9	77.3	75.2	89.3	61.8	97.0	46.6	69.6	69.6	81.6	58.1	92.4	44.1	63.8	63.8	72.7	54.0	86.0	41.1
	85	87.8	87.8	95.2	75.7	101.0	58.9	82.0	82.0	89.5	73.6	97.5	57.6	76.0	76.0	81.9	70.1	92.8	56.0	69.7	69.7	73.3	66.0	86.2	52.9
	90	93.0	93.0	95.9	87.1	101.9	68.7	88.1	88.1	90.4	85.5	98.3	68.3	82.2	82.2	83.5	82.5	93.2	67.1	76.1	76.1	75.7	75.7	86.4	64.7
2800	75	86.1	70.5	95.6	54.6	99.9	36.6	78.2	66.4	90.7	51.8	97.1	34.8	70.2	62.2	83.6	48.4	92.9	32.6	62.6	58.4	74.3	44.2	87.4	29.9
	80	87.3	84.0	96.1	66.7	101.0	50.4	79.1	79.1	91.0	64.9	98.0	48.2	72.9	72.8	83.7	61.4	93.5	45.7	66.6	66.6	74.5	57.2	87.6	42.8
	85	91.1	91.1	96.7	78.8	102.3	60.6	85.7	85.7	91.4	77.5	98.6	59.3	79.5	79.5	84.3	74.5	93.9	58.0	72.9	72.9	75.5	70.4	87.8	55.7
	90	95.7	95.7	97.7	90.9	103.1	70.6	91.4	91.4	92.7	90.2	99.6	70.6	85.9	85.9	85.9	85.9	94.6	70.0	79.7	79.7	79.2	79.2	88.0	68.4
3075	75	88.1	73.9	96.3	55.9	100.5	37.1	80.2	69.8	92.0	53.7	97.7	35.3	72.0	65.7	85.3	50.5	93.7	33.1	64.2	61.8	75.9	46.2	88.5	30.5
	80	89.5	88.4	97.2	68.7	101.6	51.9	82.2	82.2	92.4	67.4	98.7	49.7	75.8	75.8	85.5	64.5	94.4	47.2	69.0	69.0	76.1	60.3	88.7	44.5
	85	93.7	93.7	98.0	81.5	103.1	61.7	88.8	88.8	93.0	81.0	99.6	63.8	82.6	82.6	86.2	78.7	95.0	59.9	76.0	76.0	77.4	74.6	89.1	58.4
	90	97.8	97.8	99.1	94.1	104.3	72.5	93.9	93.9	94.5	94.3	100.5	72.5	88.8	88.8	88.7	88.7	95.8	72.6	82.8	82.8	82.3	82.3	89.5	71.8
3350	75	89.6	77.0	97.1	57.0	100.9	37.6	81.9	73.2	93.0	55.5	98.2	35.8	73.7	69.1	86.6	52.3	94.3	33.6	65.7	65.1	77.2	48.2	89.4	31.0
	80	90.8	90.8	98.0	73.3	102.1	53.3	85.0	85.0	93.5	69.8	99.2	51.2	78.4	78.4	86.8	67.4	95.1	48.7	71.4	71.4	77.5	63.2	89.7	46.0
	85	95.6	95.6	99.0	83.8	103.5	68.5	91.1	91.1	94.2	84.1	100.2	66.2	85.4	85.4	87.8	82.4	95.8	61.5	78.7	78.7	79.3	78.8	90.1	60.6
	90	99.5	99.5	100.3	96.9	104.8	73.7	95.8	95.8	95.8	95.8	101.3	74.3	91.1	91.1	91.0	91.0	96.7	74.9	85.3	85.3	85.1	85.1	90.6	74.9

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

Table PD-6 — Gross Cooling Capacities (kW) TC*100CD, TK*100CD — (SI)

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16		19		22		35 / 16		19		22		40 / 16		19		22		45 / 16		19		22	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
5050	24	28.5	24.4	32.1	19.7	34.7	14.3	26.2	23.2	30.0	18.5	33.1	13.5	23.9	22.0	27.7	17.9	31.2	12.6	21.5	20.7	25.1	16.2	28.8	11.6
	27	29.1	28.9	32.3	24.3	35.2	18.9	27.3	27.3	30.1	23.4	33.2	18.3	25.4	25.4	27.8	22.4	31.2	17.4	23.5	23.5	25.2	21.2	28.9	16.4
	30	31.2	31.2	32.5	29.2	35.7	23.7	29.5	29.5	30.4	28.3	33.4	22.8	27.7	27.7	28.2	27.3	31.4	22.1	25.8	25.8	25.9	25.7	29.0	21.2
	33	33.2	33.2	33.2	33.2	35.4	27.8	31.6	31.6	31.6	31.6	33.7	27.4	29.9	29.9	29.9	29.9	31.6	26.8	28.0	28.0	28.0	28.0	29.3	25.9
5610	24	29.3	25.9	32.7	20.3	35.1	14.7	27.0	24.7	30.7	19.4	33.5	13.9	24.6	23.5	28.3	18.3	31.6	12.9	22.1	22.1	25.7	17.2	29.3	11.9
	27	30.3	30.3	32.9	25.6	35.3	19.5	28.5	28.5	30.8	24.8	33.6	18.9	26.6	26.6	28.4	23.8	31.7	18.2	24.5	24.5	25.9	22.7	29.4	17.2
	30	32.4	32.4	33.3	30.8	35.6	24.2	30.7	30.7	31.2	30.1	33.9	23.8	28.9	28.9	28.9	28.9	31.9	23.2	26.9	26.9	26.9	26.9	29.6	22.4
	33	34.2	34.2	34.2	34.2	35.9	28.9	32.7	32.7	32.7	32.7	34.2	28.7	31.0	31.0	31.0	31.0	32.3	28.3	29.1	29.1	29.1	29.1	29.9	27.6
6170	24	29.9	27.3	33.2	21.1	35.4	15.1	27.6	26.2	31.2	20.2	33.9	14.2	25.0	25.0	28.8	19.2	32.0	13.3	22.9	22.9	26.2	18.1	29.7	12.3
	27	31.3	31.3	33.4	26.7	35.7	20.2	29.5	29.5	31.4	26.0	34.0	19.5	27.6	27.6	29.0	25.1	32.1	18.9	25.5	25.5	26.5	24.0	29.8	17.9
	30	33.4	33.4	33.9	32.3	36.0	25.0	31.7	31.7	31.9	31.8	34.3	24.7	29.9	29.9	29.9	29.9	32.4	24.3	27.8	27.8	27.8	27.8	30.0	23.6
	33	35.0	35.0	35.0	35.0	36.3	30.0	33.6	33.6	33.6	33.6	34.7	29.9	31.9	31.9	31.9	31.9	32.8	29.7	30.0	30.0	30.0	30.0	30.5	29.2
6730	24	30.5	28.7	33.6	21.8	35.6	15.5	28.3	27.7	31.6	21.0	34.1	14.6	25.8	25.8	29.2	20.0	32.3	13.7	23.7	23.7	26.6	18.9	30.1	12.7
	27	32.2	32.2	33.9	27.8	36.0	20.6	30.4	30.4	31.9	27.2	34.3	20.5	28.4	28.4	29.5	26.3	32.5	19.5	26.3	26.3	27.0	25.3	30.2	18.7
	30	34.1	34.1	34.4	33.6	36.3	25.7	32.5	32.5	32.5	32.5	34.7	25.6	30.7	30.7	30.7	30.7	32.7	25.3	28.7	28.7	28.7	28.7	30.4	24.7
	33	35.6	35.6	35.6	35.6	36.7	30.9	34.2	34.2	34.2	34.2	35.1	31.0	32.6	32.6	32.6	32.6	33.2	30.9	30.8	30.8	30.8	30.8	31.0	30.6

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-6a — Gross Cooling Capacities (MBh) TC*100CD, TK*100CD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61		67		73		95 / 61		67		73		105 / 61		67		73		115 / 61		67		73	
		TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
3000	75	98.6	82.7	112.1	64.0	120.6	43.5	90.1	78.3	104.5	60.3	115.0	40.5	81.2	73.7	95.6	56.7	108.0	37.2	72.1	69.0	85.9	51.7	99.3	33.5
	80	99.4	99.4	112.6	79.2	121.2	59.5	92.5	92.5	104.7	75.8	115.6	56.2	85.5	85.5	95.8	71.9	108.2	53.1	78.0	78.0	86.1	67.5	99.7	49.3
	85	106.3	106.3	113.2	94.4	122.3	72.9	99.9	99.9	105.4	91.3	116.2	70.4	92.9	92.9	96.6	87.6	108.9	67.7	85.4	85.4	87.4	83.6	100.0	64.2
	90	112.6	112.6	114.5	109.5	123.1	85.9	106.5	106.5	106.5	106.5	117.0	84.5	99.7	99.7	99.7	99.7	109.5	82.4	92.4	92.4	92.4	92.4	100.6	79.3
3300	75	101.1	87.4	113.8	66.3	121.6	44.1	92.4	82.9	106.3	62.8	116.1	41.2	83.4	78.3	97.4	58.8	109.3	38.0	73.5	73.5	87.7	54.4	100.9	34.4
	80	103.1	103.1	114.4	82.5	122.4	60.8	96.3	96.3	106.7	79.5	116.9	58.4	88.9	88.9	97.8	75.8	109.8	54.3	81.2	81.2	88.0	71.6	101.1	51.1
	85	110.0	110.0	115.2	98.8	123.7	74.8	103.5	103.5	107.6	96.3	117.7	73.1	96.4	96.4	98.9	92.8	110.3	70.5	88.9	88.9	88.9	88.9	101.6	67.3
	90	115.9	115.9	116.8	114.7	124.5	88.6	110.0	110.0	110.0	110.0	118.5	87.8	103.2	103.2	103.2	103.2	111.2	86.2	95.8	95.8	95.8	95.8	102.4	83.6
3600	75	103.2	91.7	115.2	68.3	122.5	44.8	94.5	87.4	107.9	65.0	117.0	41.9	85.4	82.8	99.0	61.2	110.2	38.7	76.1	76.1	89.1	56.9	102.0	35.1
	80	106.3	106.3	115.8	85.5	123.6	60.7	99.5	99.5	108.4	83.0	117.9	59.6	92.1	92.1	99.4	79.5	110.9	55.9	84.1	84.1	89.6	75.5	102.4	53.1
	85	113.0	113.0	116.8	102.7	124.7	76.6	106.6	106.6	109.6	101.0	119.0	75.3	99.4	99.4	101.0	97.7	111.5	73.0	91.8	91.8	91.7	91.7	102.9	70.3
	90	118.4	118.4	118.3	118.3	125.7	91.1	112.8	112.8	112.8	112.8	119.8	90.8	106.2	106.2	106.2	106.2	112.5	89.6	98.8	98.8	98.7	98.7	103.9	87.7
3900	75	105.0	95.7	116.3	70.1	123.2	45.5	96.4	91.8	109.3	67.2	117.8	42.6	86.6	86.6	100.3	63.5	111.0	39.4	78.4	78.4	90.3	59.3	102.9	35.9
	80	109.1	109.1	117.0	88.3	124.5	61.9	102.2	102.2	109.8	86.3	118.7	60.8	94.7	94.7	100.9	83.0	111.8	57.4	86.7	86.7	91.0	79.2	103.3	54.8
	85	115.3	115.3	118.2	106.4	125.7	78.2	109.2	109.2	111.2	105.3	119.9	77.2	102.1	102.1	102.1	102.1	112.6	75.3	94.3	94.3	94.3	94.3	104.0	73.0
	90	120.4	120.4	120.4	120.4	126.7	93.3	115.0	115.0	115.0	115.0	120.9	93.5	108.6	108.6	108.6	108.6	113.6	92.9	101.2	101.2	101.2	101.2	105.2	91.4

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

T**125CD

Table PD-7 — Gross Cooling Capacities (kW) TC*125CD, TK*125CD — (SI)

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	35 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	40 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	45 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
6430	24	33.0	28.8	37.4	23.1	40.7	17.0	30.7	27.6	35.2	22.0	38.8	16.1	28.4	26.3	32.8	20.9	36.8	15.1	26.3	24.5	30.2	19.7	34.5	14.0
	27	33.9	33.9	37.5	29.0	40.8	22.7	32.1	32.1	35.3	27.9	38.9	21.9	30.2	30.2	32.9	26.8	36.9	20.9	28.3	28.3	30.3	25.7	34.6	19.9
	30	36.6	36.6	37.8	34.9	41.1	28.1	34.8	34.8	35.7	33.9	39.2	27.4	33.0	33.0	33.4	32.9	37.1	26.6	31.0	31.0	31.0	31.0	34.7	25.6
	33	38.9	38.9	38.9	38.9	41.3	33.5	37.3	37.3	37.3	37.3	39.4	32.9	35.5	35.5	35.5	35.5	37.3	32.2	33.6	33.6	33.6	33.6	35.0	31.4
7140	24	33.8	30.5	38.1	24.1	41.1	17.3	31.5	29.3	35.9	23.1	39.3	16.4	29.2	28.1	33.5	22.0	37.3	15.4	27.1	26.1	30.9	20.7	35.0	14.5
	27	35.3	35.3	38.2	30.5	41.3	23.4	33.4	33.4	36.0	29.5	39.5	22.6	31.5	31.5	33.6	28.4	37.4	21.8	29.5	29.5	31.0	27.3	35.1	20.9
	30	37.9	37.9	38.6	36.9	41.6	29.2	36.2	36.2	36.6	36.1	39.7	28.6	34.3	34.3	34.3	34.3	37.6	27.9	32.3	32.3	32.3	32.3	35.3	27.1
	33	40.1	40.1	40.1	40.1	41.9	35.0	38.5	38.5	38.5	38.5	40.0	34.5	36.7	36.7	36.7	36.7	38.0	34.0	34.8	34.8	34.8	34.8	35.7	33.3
7850	24	34.6	32.2	38.6	25.0	41.5	17.7	32.3	31.0	36.5	24.1	39.7	16.8	29.6	29.6	34.1	23.0	37.7	15.9	27.5	27.5	31.4	21.8	35.4	14.9
	27	36.5	36.5	38.8	31.8	41.7	23.9	34.6	34.6	36.6	31.0	39.9	23.3	32.6	32.6	34.3	30.0	37.8	22.6	30.5	30.5	31.7	28.9	35.5	21.7
	30	39.0	39.0	39.4	38.7	42.1	30.1	37.3	37.3	37.2	37.2	40.2	29.6	35.4	35.4	35.4	35.4	38.1	29.1	33.4	33.4	33.4	33.4	35.8	28.4
	33	41.0	41.0	41.0	41.0	42.5	36.3	39.4	39.4	39.4	39.4	40.6	36.0	37.7	37.7	37.7	37.7	38.5	35.5	35.8	35.8	35.8	35.8	36.3	34.9
8560	24	35.3	33.8	39.1	25.9	41.8	18.1	33.0	32.6	37.0	25.0	40.0	17.2	30.5	30.5	34.6	24.0	38.0	16.2	28.3	28.3	31.9	22.8	35.7	15.3
	27	37.5	37.5	39.3	33.2	42.0	24.9	35.6	35.6	37.2	32.4	40.1	24.7	33.6	33.6	34.8	31.5	38.2	23.3	31.4	31.4	32.3	30.4	35.9	22.5
	30	39.9	39.9	39.8	39.8	42.5	31.0	38.2	38.2	38.2	38.2	40.6	30.6	36.3	36.3	36.3	36.3	38.5	30.1	34.3	34.3	34.2	34.2	36.2	29.5
	33	41.8	41.8	41.8	41.8	42.9	37.5	40.2	40.2	40.2	40.2	41.0	37.3	38.4	38.4	38.4	38.4	39.0	36.9	36.6	36.6	36.5	36.5	36.5	36.5

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-7a — Gross Cooling Capacities (MBh) TC*125CD, TK*125CD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	95 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	105 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	115 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
3800	75	114.0	97.3	130.6	75.6	141.5	51.1	105.3	92.8	122.5	71.7	134.9	47.9	96.3	88.1	113.4	67.3	127.4	44.6	87.0	83.5	104.0	62.7	119.0	41.0
	80	115.5	115.5	130.8	94.0	142.4	70.2	108.6	108.6	122.7	90.3	135.6	66.9	101.4	101.4	113.5	86.1	127.9	63.4	94.0	93.5	105.0	81.4	119.4	59.7
	85	124.1	124.1	131.4	112.5	143.2	86.8	117.4	117.4	123.3	109.0	136.1	84.2	110.2	110.2	114.4	105.0	128.3	81.2	102.0	102.0	106.5	100.3	119.7	77.9
	90	131.8	131.8	133.2	131.1	144.0	103.4	125.4	125.4	125.4	125.4	137.0	101.3	118.5	118.5	118.5	118.5	129.1	98.7	111.2	111.2	111.2	111.2	120.3	95.8
4200	75	116.8	102.9	132.7	78.5	142.9	51.9	108.0	98.3	124.6	74.7	136.2	48.8	98.9	93.7	115.6	70.5	128.7	45.4	88.7	88.7	105.6	65.9	120.4	41.8
	80	120.1	120.1	133.0	98.3	143.8	72.1	113.0	113.0	124.9	94.9	137.0	68.0	105.5	105.5	115.8	90.9	129.0	65.9	97.5	97.5	106.4	75.2	120.9	62.2
	85	128.5	128.5	133.8	118.3	144.8	89.7	121.9	121.9	125.8	115.1	137.8	87.2	114.5	114.5	117.2	111.6	130.0	84.5	106.4	106.4	108.5	105.4	121.4	81.5
	90	135.7	135.7	135.7	135.7	145.8	107.2	129.5	129.5	129.4	129.4	138.8	105.4	122.6	122.6	122.5	122.5	130.9	103.2	115.2	115.2	115.1	115.1	122.2	100.7
4600	75	119.2	108.1	134.2	81.2	144.0	52.8	110.4	103.6	126.4	77.6	137.4	49.6	101.2	99.0	117.5	73.5	129.8	46.2	91.0	91.0	107.4	69.0	121.5	42.6
	80	123.9	123.9	134.8	102.3	145.0	74.0	116.8	116.8	126.8	99.1	138.2	69.7	109.1	109.1	117.8	95.4	130.3	67.7	102.0	102.0	107.8	91.1	121.9	64.4
	85	132.1	132.1	135.9	123.4	146.2	92.3	125.4	125.4	128.1	120.9	139.1	89.8	118.2	118.2	119.6	117.6	131.4	87.4	110.4	110.4	110.4	110.4	122.8	84.7
	90	138.8	138.8	138.9	138.9	147.3	110.6	132.7	132.7	132.6	132.6	140.3	109.2	125.9	125.9	125.9	125.9	132.4	107.4	118.5	118.5	118.5	118.5	123.7	105.3
5000	75	121.4	113.2	135.6	83.6	144.9	53.6	112.6	108.8	127.8	80.1	138.3	50.4	102.7	102.7	118.9	76.3	130.7	47.0	93.3	93.3	109.0	72.0	122.4	43.4
	80	127.3	127.3	136.3	105.9	146.0	75.3	120.1	120.1	128.3	103.1	139.3	71.4	112.4	112.4	119.4	99.7	131.6	68.6	106.5	106.5	109.5	95.7	123.0	66.2
	85	135.0	135.0	137.6	128.2	147.5	94.6	128.4	128.4	130.1	126.2	140.3	92.4	121.2	121.2	121.1	121.1	132.5	90.2	113.4	113.4	113.4	113.4	123.9	87.8
	90	141.3	141.3	141.3	141.3	148.5	113.7	135.2	135.2	135.2	135.2	141.6	112.7	128.5	128.5	128.5	128.5	133.7	111.2	121.2	121.2	121.1	121.1	125.1	109.4

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

T**155BD

Table PD-8— Gross Cooling Capacities (kW) TC*155BD, TK*155BD — (SI)

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	35 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	40 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC	45 / 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
7650	24	40.3	33.2	45.2	27.0	48.6	20.3	37.9	31.9	43.1	25.9	46.8	19.5	35.4	30.6	40.7	24.8	44.7	18.5	32.9	29.3	38.1	23.5	42.4	17.2
	27	40.8	38.7	45.3	33.4	48.7	26.6	38.7	37.3	43.1	32.3	47.0	25.6	36.5	35.8	40.8	31.1	44.9	24.6	32.9	33.3	38.1	29.9	42.6	23.5
	30	43.1	43.1	45.4	39.5	49.1	32.3	41.3	41.3	43.3	38.6	47.2	31.5	39.3	39.3	39.3	39.3	45.0	30.6	37.3	37.3	38.5	35.4	42.7	29.7
	33	45.7	45.7	46.1	44.2	49.4	38.0	44.0	44.0	44.2	43.2	47.5	37.4	42.2	42.2	42.2	42.1	45.3	36.6	40.3	40.3	40.2	40.2	42.9	35.7
8500	24	41.3	35.1	45.9	28.2	49.2	20.6	38.8	33.8	43.9	27.0	47.4	19.7	36.3	32.4	41.5	25.9	45.3	18.7	33.8	31.1	38.9	24.7	43.0	17.6
	27	42.1	40.8	46.1	34.9	49.4	27.4	40.0	39.4	44.0	33.9	47.5	26.5	37.8	37.8	41.6	32.8	45.4	25.6	35.7	35.7	39.0	31.6	43.1	24.5
	30	44.7	44.7	46.3	41.5	49.8	33.4	42.9	42.9	42.9	42.9	47.9	32.7	40.9	40.9	42.0	38.7	45.7	31.9	38.9	38.9	39.7	37.3	43.4	31.0
	33	47.1	47.1	47.3	46.3	50.2	39.5	45.4	45.4	45.5	45.4	48.2	39.0	43.6	43.6	43.6	43.6	46.0	38.3	41.6	41.6	41.6	41.6	43.6	37.5
9350	24	42.2	36.8	46.6	29.1	49.7	21.1	39.7	35.5	44.5	28.1	47.8	20.1	35.8	35.8	42.2	27.0	45.7	19.1	34.6	32.0	39.6	25.7	43.4	18.0
	27	43.3	42.8	46.8	36.2	49.9	28.0	41.2	41.2	44.7	35.4	48.1	27.2	39.2	39.2	42.3	34.4	45.9	26.3	37.0	37.0	39.7	33.2	43.6	25.3
	30	45.9	45.9	45.9	45.9	50.4	34.4	44.1	44.1	44.1	44.1	48.5	33.8	42.2	42.2	42.9	40.4	46.3	33.1	40.2	40.2	40.6	39.1	43.9	32.2
	33	48.2	48.2	48.3	48.1	50.8	40.9	46.6	46.6	46.5	46.5	48.8	40.5	44.7	44.7	44.7	44.7	46.7	39.9	42.8	42.8	42.8	42.8	44.3	39.1
10200	24	43.0	38.4	47.1	29.9	50.1	21.5	39.1	39.1	45.0	29.0	48.3	20.5	36.9	36.9	42.7	27.9	46.1	19.5	35.5	33.4	40.1	26.7	43.8	18.4
	27	44.3	44.3	47.4	37.5	50.4	28.6	42.4	42.4	45.2	36.7	48.5	27.9	40.3	40.3	42.9	35.8	46.4	27.0	38.2	38.2	40.3	34.7	44.0	26.1
	30	46.9	46.9	46.9	46.9	50.9	35.4	45.2	45.2	45.8	43.1	49.0	34.8	43.3	43.3	43.7	41.9	46.8	34.2	41.2	41.2	41.4	40.7	44.4	33.4
	33	49.2	49.2	49.1	49.1	51.3	42.2	47.5	47.5	47.5	47.5	49.4	41.8	45.7	45.7	45.7	45.7	47.2	41.3	43.7	43.7	43.7	43.7	43.7	43.7

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-8a — Gross Cooling Capacities (MBh) TC*155BD, TK*155BD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	95 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	105 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC	115 / 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
4500	75	138.4	112.3	157.1	88.8	169.4	61.7	129.1	107.4	149.2	84.5	162.7	58.5	119.5	102.3	140.3	80.1	155.0	54.9	109.9	97.3	130.4	75.4	146.6	51.1
	80	139.2	130.2	157.4	108.7	170.3	82.7	131.0	124.7	149.4	104.8	163.4	79.1	122.6	119.1	140.4	100.4	155.6	75.3	113.8	113.5	130.5	95.7	147.0	71.4
	85	145.7	145.7	157.9	128.3	170.9	101.2	138.6	138.6	149.6	124.7	163.9	98.2	131.2	131.2	140.5	120.5	156.0	94.8	123.6	123.6	130.7	115.9	147.4	91.1
	90	154.5	154.5	154.4	154.4	172.1	119.0	147.9	147.9	150.7	141.0	165.0	116.5	140.9	140.9	142.7	136.0	157.0	113.4	133.4	133.4	132.9	127.0	148.2	110.1
5000	75	141.9	118.5	159.7	91.9	171.3	62.5	132.4	113.5	151.9	87.9	164.6	59.3	122.6	108.4	143.1	83.6	156.8	55.8	112.8	102.0	133.3	79.0	148.3	52.1
	80	143.7	137.1	160.1	113.3	171.8	85.5	135.5	131.8	152.2	109.8	165.0	82.2	127.0	126.4	143.2	105.6	157.6	78.1	118.5	110.1	133.5	101.1	149.0	74.2
	85	151.4	151.4	160.7	134.3	173.2	104.3	144.4	144.4	152.6	131.2	166.3	101.6	136.9	136.9	143.7	127.4	158.3	98.4	129.0	129.0	128.9	128.9	149.6	94.9
	90	159.5	159.5	159.4	159.4	174.5	123.2	153.0	153.0	154.7	147.8	167.5	121.1	146.1	146.1	146.9	143.4	159.4	118.4	138.6	138.6	138.6	138.6	150.5	115.3
5500	75	145.0	124.3	161.5	95.0	172.9	63.6	135.3	119.3	154.0	91.1	166.1	60.3	120.4	120.4	145.3	86.9	158.3	56.8	115.7	106.7	135.6	82.3	149.8	52.9
	80	147.8	143.7	162.3	117.4	173.6	87.3	139.6	138.6	154.4	114.3	166.7	84.1	131.2	131.2	145.6	110.5	158.9	80.6	123.1	123.1	135.8	106.1	150.2	76.9
	85	155.8	155.8	163.1	139.8	175.1	107.1	149.0	149.0	155.1	137.1	168.1	104.6	141.6	141.6	141.5	141.5	160.2	101.6	133.7	133.7	137.2	126.6	151.4	98.4
	90	163.5	163.5	165.0	157.6	176.6	127.1	157.1	157.1	158.0	154.0	169.5	125.2	150.2	150.2	150.4	150.0	161.4	122.8	142.7	142.7	142.6	142.6	152.5	120.0
6000	75	147.6	129.8	163.3	97.5	174.3	64.6	138.0	124.8	155.6	94.1	167.4	61.3	124.2	124.2	147.0	90.1	159.6	57.7	118.5	111.3	137.4	85.4	151.0	53.8
	80	151.2	149.9	164.2	121.2	175.1	88.9	143.3	143.3	156.3	118.4	168.2	85.9	135.3	135.3	147.5	114.9	160.3	82.5	127.1	127.1	137.7	110.8	151.6	78.8
	85	159.4	159.4	165.1	144.9	176.8	109.6	152.7	152.7	157.2	142.5	169.8	107.4	145.4	145.4	145.3	145.3	161.7	104.6	137.6	137.6	139.9	131.6	152.9	101.5
	90	166.8	166.8	167.7	162.8	178.3	130.6	160.5	160.5	160.8	159.6	171.2	129.1	153.6	153.6	153.5	153.5	163.1	126.9	146.0	146.0	145.9	145.9	154.1	124.4

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

Table PD-9— Gross Cooling Capacities (kW) TC*175CD, TK*175CD — (SI)

	Enter. Dry Bulb	Ambient Temperature (°C)																					
		30						35						40						45			
		Entering Wet Bulb Temperature (°C)																					
Airflow	Temp	16		19		22		16		19		22		16		19		22		16		19		22	
m^3/h	(°C)	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
8860	24	45.8	37.6	52.2	30.8	56.8	23.7	42.7	35.9	49.3	29.4	54.7	22.2	39.5	34.3	46.0	27.7	52.1	20.8	36.5	32.7	42.5	26.0	49.1	19.4
	27	46.2	45.1	52.3	38.2	57.1	30.6	43.1	43.1	49.3	36.7	54.8	29.4	40.6	40.6	46.0	35.0	52.2	28.1	38.0	38.0	42.5	33.3	49.1	26.6
	30	49.2	49.2	52.4	45.4	57.2	37.4	46.8	46.8	49.4	43.9	55.0	36.5	44.3	44.3	46.2	42.3	52.3	35.3	41.7	41.7	42.8	40.6	49.2	33.8
	33	52.6	52.6	53.0	52.7	57.6	44.1	50.4	50.4	50.4	50.4	55.2	43.4	48.0	48.0	48.0	48.0	52.5	42.3	45.4	45.4	45.4	45.4	49.3	41.0
9850	24	47.0	39.7	53.9	32.4	57.6	23.8	43.8	38.0	50.5	30.7	55.5	22.6	40.5	36.2	47.2	29.1	53.0	21.4	37.5	34.6	43.6	27.4	50.0	20.0
	27	47.4	47.4	53.4	40.0	57.9	31.8	45.0	45.0	50.5	38.7	55.7	30.6	42.4	42.4	47.3	37.1	53.1	29.3	39.7	39.7	43.6	35.3	50.1	27.9
	30	51.3	51.3	53.6	47.8	58.2	38.8	48.8	48.8	50.7	46.6	55.9	38.0	46.3	46.3	47.6	45.0	53.3	37.0	43.6	43.6	44.2	43.4	50.2	35.7
	33	54.5	54.5	54.5	54.5	58.5	46.0	52.4	52.4	52.4	52.4	56.2	45.4	50.0	50.0	50.0	50.0	53.5	44.5	47.4	47.4	47.4	47.4	50.4	43.4
10840	24	48.1	41.7	54.1	33.4	58.2	24.3	44.8	40.0	51.4	32.0	56.1	23.1	41.5	38.2	48.1	30.4	53.6	21.9	38.4	36.5	44.5	28.7	50.7	20.5
	27	49.2	49.2	54.3	41.7	58.5	32.5	46.7	46.7	51.5	40.5	56.3	31.6	44.0	44.0	48.2	38.9	53.8	30.5	41.2	41.2	44.6	37.2	50.9	29.1
	30	52.9	52.9	54.5	50.0	58.9	40.1	50.6	50.6	51.8	49.0	56.7	39.4	48.0	48.0	48.7	47.6	54.0	38.5	45.3	45.3	45.3	45.3	51.0	37.4
	33	56.0	56.0	55.9	55.9	59.3	47.7	54.0	54.0	53.9	53.9	57.0	47.3	51.7	51.7	51.7	51.7	54.3	46.6	49.1	49.1	49.1	49.1	51.3	45.6
11830	24	49.0	43.6	54.8	34.5	58.8	24.8	45.8	41.9	52.2	33.2	56.7	23.6	42.4	40.1	49.0	31.6	54.2	22.4	39.3	38.4	45.3	29.9	51.3	21.0
	27	50.8	50.8	55.0	43.3	59.1	33.3	48.2	48.2	52.4	44.4	56.9	32.4	45.5	45.5	49.0	40.8	54.4	31.4	42.6	42.6	45.4	39.1	51.4	30.2
	30	54.3	54.3	55.4	52.1	59.6	41.3	52.1	52.1	52.8	51.3	57.3	40.7	49.6	49.6	49.5	49.5	54.7	39.9	46.8	46.8	46.8	46.8	51.7	38.9
	33	57.2	57.2	57.1	57.1	60.0	49.2	55.2	55.2	55.2	55.2	57.7	49.0	53.0	53.0	53.0	53.0	55.1	48.5	50.6	50.6	50.5	50.5	52.0	47.7

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-9a — Gross Cooling Capacities (MBh) TC*175CD, TK*175CD — (IP)

	Enter. Dry Bulb	Ambient Temperature (°F)																					
		85						95						105						115			
		Entering Wet Bulb Temperature (°F)																					
Airflow	Temp	61		67		73		61		67		73		61		67		73		61		67		73	
cfm	(°F)	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
5250	75	158.4	127.1	181.8	101.5	197.4	71.0	146.6	120.7	171.4	95.7	189.8	67.1	134.5	114.5	159.0	89.7	180.5	62.8	116.0	113.0	145.6	83.2	169.5	57.7
	80	159.2	150.5	182.1	124.2	198.3	94.8	148.0	144.3	171.6	118.7	190.4	90.4	136.8	135.8	159.3	112.7	180.9	85.7	124.9	124.9	147.0	105.4	169.8	80.6
	85	166.4	166.4	182.5	146.7	198.9	116.6	157.2	157.2	171.8	141.6	190.8	112.9	147.6	147.6	159.5	135.5	181.4	108.6	138.6	138.6	148.5	127.6	170.1	103.4
	90	177.5	177.5	183.3	169.2	200.2	137.1	168.8	168.8	173.0	164.7	191.9	134.1	159.4	159.4	159.3	159.3	181.9	130.3	149.4	149.4	149.9	149.8	170.5	125.7
5800	75	162.4	133.7	184.9	104.8	199.8	72.1	150.3	127.2	174.9	99.5	192.2	68.2	137.7	120.6	162.7	93.7	183.0	63.9	118.4	116.3	149.0	87.2	172.1	58.8
	80	163.8	159.2	185.3	129.4	200.9	97.9	151.6	151.6	175.2	124.5	193.0	93.5	141.7	141.7	163.0	118.5	183.5	88.8	130.8	130.8	149.3	112.0	172.4	83.7
	85	173.0	173.0	185.9	153.4	201.7	120.1	163.8	163.8	175.5	149.1	193.6	116.9	153.9	153.9	163.3	143.3	184.0	112.9	143.6	143.6	149.9	136.9	172.8	108.2
	90	183.5	183.5	187.1	177.4	203.1	141.8	175.3	175.3	175.2	175.2	194.9	139.5	165.9	165.9	166.7	166.0	184.9	136.2	155.9	155.9	155.7	155.7	173.5	132.0
6350	75	165.9	140.0	187.4	108.2	201.7	73.3	153.5	133.4	177.8	103.2	194.1	69.5	140.6	126.7	165.8	97.3	184.9	64.9	127.9	121.7	152.1	91.0	174.2	59.9
	80	166.8	166.8	187.9	134.0	203.0	100.8	157.0	157.0	178.1	129.7	195.1	96.4	146.9	146.9	166.1	124.1	185.7	91.7	133.7	133.7	152.3	117.6	174.6	86.6
	85	178.6	178.6	188.7	159.6	204.0	123.3	169.5	169.5	178.6	156.0	196.0	120.4	159.6	159.6	168.7	147.7	186.4	116.9	148.9	148.9	153.4	144.5	175.2	112.5
	90	188.3	188.3	190.4	185.0	205.6	146.1	180.5	180.5	180.4	180.4	197.4	144.3	171.4	171.4	171.3	171.3	187.5	141.5	161.4	161.4	161.3	161.3	176.0	137.8
6900	75	169.0	145.9	189.5	111.5	203.4	74.6	156.4	139.3	180.0	106.5	195.7	70.6	143.4	132.6	168.3	100.8	186.6	65.9	130.6	126.0	154.6	94.5	175.9	60.9
	80	171.8	171.8	190.2	138.3	204.3	102.4	162.0	162.0	180.5	134.5	196.9	99.2	151.6	151.6	168.6	129.2	187.5	94.5	141.1	141.1	154.9	122.9	176.5	89.4
	85	183.1	183.1	191.1	165.2	206.0	126.1	174.4	174.4	181.2	162.3	198.0	123.7	164.5	164.5	169.5	157.6	188.4	120.5	153.8	153.8	153.7	153.7	177.2	116.5
	90	192.3	192.3	192.2	192.2	207.7	150.1	184.8	184.8	184.7	184.7	199.5	148.7	176.0	176.0	175.9	175.9	189.6	146.4	166.0	166.0	165.9	165.9	178.1	143.2

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

Table PD-10— Gross Cooling Capacities (kW) TC*200BD, TK*200BD — (SI)

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 30 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
10090	24	54.3	44.5	61.4	36.5	66.0	27.5
	27	54.9	53.2	61.5	44.9	66.4	35.8
	30	58.0	58.0	61.6	53.2	66.6	43.5
	33	61.7	61.7	61.7	61.7	67.1	51.2
11210	24	55.8	46.9	62.5	37.9	66.9	27.9
	27	56.1	56.1	62.6	46.9	67.3	37.1
	30	60.3	60.3	62.9	55.9	67.6	45.1
	33	63.8	63.8	63.7	63.7	68.1	53.2
12330	24	57.0	49.3	63.4	39.2	67.5	28.5
	27	58.4	58.3	63.6	48.8	67.9	37.9
	30	62.1	62.1	64.0	58.3	68.4	46.4
	33	65.3	65.3	65.3	65.3	69.0	55.0
13450	24	58.1	51.5	64.0	40.4	68.1	29.0
	27	59.9	59.9	64.3	50.4	68.5	38.7
	30	63.6	63.6	64.9	60.5	69.1	47.6
	33	66.6	66.6	66.6	66.6	69.7	56.7

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 35 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
10090	24	50.8	42.6	58.2	34.8	63.7	26.6
	27	51.1	51.1	58.3	43.3	64.0	34.5
	30	55.3	55.3	58.5	51.7	64.2	42.6
	33	59.3	59.3	59.3	59.3	64.5	50.5
11210	24	52.2	45.1	59.5	36.4	64.6	26.7
	27	53.6	53.5	59.6	45.6	64.9	35.9
	30	57.6	57.6	59.9	54.7	65.2	44.3
	33	61.5	61.5	61.5	61.5	65.6	52.8
12330	24	53.4	47.4	60.5	37.8	65.3	27.2
	27	55.3	55.3	60.6	47.7	65.5	37.0
	30	59.6	59.6	61.1	57.5	66.0	45.9
	33	63.2	63.2	63.2	63.2	66.5	54.9
13450	24	54.5	49.7	61.3	39.2	65.9	27.8
	27	57.0	57.0	61.5	49.6	66.2	37.9
	30	61.2	61.2	62.1	60.0	66.8	47.3
	33	64.6	64.6	64.5	64.5	67.3	56.8

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 40 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
10090	24	47.3	40.8	54.6	33.1	61.0	24.8
	27	48.5	48.5	54.7	41.5	61.2	33.2
	30	52.5	52.5	54.9	50.0	61.3	41.6
	33	56.6	56.6	56.6	56.6	61.5	49.6
11210	24	48.5	43.2	55.9	34.7	61.9	25.3
	27	50.4	50.4	55.9	43.9	62.1	34.5
	30	54.8	54.8	56.4	53.2	62.3	43.4
	33	58.9	58.9	58.8	58.8	62.6	52.1
12330	24	49.7	45.5	56.9	36.1	62.6	25.9
	27	52.3	52.3	57.0	46.1	62.9	35.8
	30	56.7	56.7	57.8	56.2	63.1	45.1
	33	60.7	60.7	60.7	60.7	63.5	54.3
13450	24	50.8	47.8	57.9	37.6	63.2	26.5
	27	54.0	54.0	58.0	48.2	63.4	36.9
	30	58.4	58.4	58.4	58.4	63.9	46.6
	33	62.1	62.1	62.1	62.1	64.3	56.4

Airflow m^3/h	Enter. Dry Bulb Temp (°C)	Ambient Temperature (°C) 45 / Entering Wet Bulb Temperature (°C) 16 TGC	16 SHC	19 TGC	19 SHC	22 TGC	22 SHC
10090	24	43.6	38.9	50.6	31.2	57.7	23.3
	27	45.4	45.4	50.7	39.7	57.8	31.7
	30	49.6	49.6	51.2	48.2	57.9	40.1
	33	53.7	53.7	53.7	53.7	58.1	48.3
11210	24	44.8	41.3	51.9	32.8	58.7	23.9
	27	47.4	47.4	52.0	42.0	58.8	33.1
	30	51.8	51.8	51.7	51.7	58.9	42.1
	33	56.0	56.0	56.0	56.0	59.2	51.0
12330	24	45.9	43.6	52.9	34.3	59.4	24.5
	27	49.2	49.2	53.0	44.3	59.5	34.6
	30	53.7	53.7	53.6	53.6	59.8	44.0
	33	57.9	57.9	57.9	57.9	60.2	53.5
13450	24	46.1	46.1	53.8	35.7	60.0	25.1
	27	50.8	50.8	54.0	46.4	60.2	35.7
	30	55.3	55.3	55.3	55.3	60.5	45.7
	33	59.3	59.3	59.3	59.3	61.0	55.8

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-10a — Gross Cooling Capacities (MBh) TC*200BD, TK*200BD — (IP)

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 85 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
5950	75	186.5	150.7	213.0	120.0	229.7	83.4
	80	188.0	178.5	213.4	146.6	231.0	111.4
	85	196.4	196.4	213.9	173.0	231.6	136.6
	90	208.8	208.8	215.1	199.4	233.3	160.5
6600	75	191.5	158.9	216.6	123.9	232.3	84.6
	80	193.9	189.6	217.0	152.9	233.8	115.1
	85	204.3	204.3	217.8	181.2	234.8	140.7
	90	215.9	215.9	219.7	209.4	236.6	166.1
7250	75	195.8	166.7	219.3	128.0	234.5	86.1
	80	197.5	197.5	220.1	158.4	235.4	117.9
	85	210.6	210.6	221.1	188.5	237.4	144.4
	90	221.3	221.3	223.6	218.3	239.4	171.1
7900	75	199.3	174.0	221.7	131.9	236.3	87.5
	80	203.3	203.3	222.6	163.4	237.8	120.0
	85	215.8	215.8	223.9	195.3	239.6	147.7
	90	225.8	225.8	225.7	225.7	241.7	175.7

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 95 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
5950	75	173.0	143.6	201.6	113.8	221.7	79.4
	80	172.4	172.4	201.9	140.8	222.6	106.8
	85	185.9	185.9	202.2	167.7	223.5	133.7
	90	199.2	199.2	203.9	195.0	224.4	158.0
6600	75	177.6	151.7	205.8	118.5	224.3	80.7
	80	179.8	179.8	206.1	147.9	225.5	110.5
	85	194.0	194.0	206.6	176.9	226.3	137.9
	90	206.9	206.9	206.8	206.8	227.8	164.3
7250	75	181.7	159.5	209.0	122.9	226.5	82.2
	80	187.0	187.0	209.4	154.4	227.9	114.1
	85	200.7	200.7	210.3	185.6	228.9	142.1
	90	213.0	213.0	212.9	212.9	230.6	170.1
7900	75	185.4	167.0	211.6	126.9	228.3	83.4
	80	192.5	192.5	212.1	160.2	229.2	116.7
	85	215.8	215.8	213.4	193.3	231.2	145.9
	90	217.9	217.9	217.8	217.8	233.0	175.3

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 105 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
5950	75	159.3	136.5	188.0	107.4	211.9	74.9
	80	161.8	161.8	188.2	134.4	212.4	102.0
	85	175.3	175.3	188.6	161.4	213.1	128.8
	90	188.9	188.9	188.8	188.8	213.7	154.5
6600	75	163.6	144.5	192.3	112.2	214.6	76.2
	80	169.1	169.1	192.6	141.6	215.3	105.6
	85	183.1	183.1	193.2	171.0	215.9	134.1
	90	196.7	196.7	197.6	196.2	217.1	161.4
7250	75	167.5	152.3	196.0	116.7	216.8	77.4
	80	175.1	175.1	196.3	148.4	217.8	109.1
	85	189.8	189.8	197.4	180.3	218.6	138.8
	90	203.1	203.1	203.0	203.0	220.0	167.8
7900	75	171.1	159.8	199.1	121.1	218.6	78.5
	80	180.9	180.9	199.3	154.8	219.8	112.5
	85	195.6	195.6	201.0	188.8	220.9	143.1
	90	208.5	208.5	208.4	208.4	222.5	173.8

Airflow cfm	Enter. Dry Bulb Temp (°F)	Ambient Temperature (°F) 115 / Entering Wet Bulb Temperature (°F) 61 TGC	61 SHC	67 TGC	67 SHC	73 TGC	73 SHC
5950	75	145.4	129.4	173.3	100.6	200.4	70.0
	80	151.0	151.0	173.6	127.6	200.7	96.8
	85	164.5	164.5	174.3	154.6	201.1	123.6
	90	178.2	178.2	179.1	178.1	201.6	149.9
6600	75	149.5	137.4	177.7	105.6	203.4	71.2
	80	157.6	157.6	177.9	134.9	203.8	100.5
	85	171.8	171.8	179.2	164.6	204.4	129.7
	90	185.8	185.8	185.7	185.7	205.0	157.6
7250	75	153.2	145.2	181.2	110.1	205.7	72.4
	80	163.6	163.6	181.5	141.8	206.3	104.1
	85	178.4	178.4	183.3	173.9	206.9	134.8
	90	192.5	192.5	192.4	192.4	208.0	164.7
7900	75	156.7	152.6	184.1	114.4	207.4	73.4
	80	168.9	168.9	184.5	148.3	208.3	107.4
	85	184.0	184.0	183.9	183.9	209.2	139.5
	90	198.1	198.1	198.0	198.0	210.4	171.1

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Performance Data

T**250BD

Table PD-11 — Gross Cooling Capacities (kW)TC*250BD,TK*250BD — (SI)

	Enter. Dry Bulb	Ambient Temperature (°C)																					
		30						35						40						45			
		Entering Wet Bulb Temperature (°C)																					
Airflow	Temp	16		19		22		16		19		22		16		19		22		16		19		22	
m³/h	(°C)	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
12690	24	59.6	52.9	67.2	42.3	72.8	31.4	55.8	50.9	63.7	40.5	70.1	30.1	51.9	49.0	59.7	38.7	66.9	27.9	48.1	47.0	55.4	40.2	63.4	26.3
	27	61.7	61.7	67.4	53.1	73.0	41.4	58.6	58.6	63.8	51.5	70.3	40.3	55.4	55.4	59.8	49.6	67.1	38.8	52.2	52.2	55.6	47.7	63.5	37.2
	30	66.3	66.3	67.8	63.9	73.5	51.3	63.4	63.4	64.4	62.6	70.6	50.5	60.4	60.4	60.3	60.3	67.3	49.4	57.1	57.1	57.1	57.1	63.6	48.0
	33	70.2	70.2	70.2	70.2	73.9	61.4	67.7	67.7	67.7	67.7	71.0	60.8	64.9	64.9	64.9	64.9	67.6	59.9	61.9	61.9	61.9	61.9	64.0	58.7
14100	24	61.0	55.9	68.3	44.1	73.7	31.4	57.2	54.0	64.9	42.4	70.9	30.1	53.3	52.1	60.9	40.6	67.8	28.6	49.2	49.2	56.6	38.7	64.3	27.1
	27	64.0	64.0	68.5	55.7	74.0	42.7	60.9	60.9	65.0	54.4	71.2	41.7	57.6	57.6	61.1	52.6	68.0	40.6	54.3	54.3	56.8	50.7	64.4	39.0
	30	68.4	68.4	69.2	67.4	74.5	53.4	65.7	65.7	65.7	65.7	71.6	52.8	62.7	62.7	62.6	62.6	68.3	51.9	59.4	59.4	59.4	59.4	64.6	50.7
	33	72.1	72.1	72.1	72.1	75.0	64.1	69.7	69.7	69.7	69.7	72.1	63.9	67.0	67.0	67.0	67.0	68.8	63.2	64.1	64.1	64.1	64.1	65.2	62.2
15510	24	62.3	58.9	69.2	45.7	74.4	32.2	58.4	57.0	65.8	44.2	71.6	30.8	54.3	54.3	61.9	42.4	68.5	29.4	50.8	50.8	57.6	40.5	65.0	27.8
	27	65.9	65.9	69.4	58.2	74.7	43.9	62.9	62.9	66.0	57.0	71.9	43.1	59.5	59.5	62.1	55.4	68.7	42.0	56.1	56.1	57.9	53.5	65.2	40.7
	30	70.1	70.1	70.1	70.1	75.3	55.3	67.5	67.5	67.5	67.5	72.4	54.9	64.5	64.5	64.5	64.5	69.1	54.1	61.3	61.3	61.3	61.3	65.4	53.1
	33	73.7	73.7	73.7	73.7	75.9	66.7	71.4	71.4	71.3	71.3	73.0	66.7	68.7	68.7	68.7	68.7	69.8	66.2	65.8	65.8	65.8	65.8	66.3	65.5
16920	24	63.5	61.8	69.9	47.2	75.0	32.9	59.2	59.2	66.6	45.9	72.2	31.5	55.8	55.8	62.8	44.2	69.1	30.1	52.3	52.3	58.4	42.3	65.6	28.6
	27	67.5	67.5	70.2	60.4	75.4	45.0	64.5	64.5	66.9	59.5	72.6	44.3	61.2	61.2	63.1	58.2	69.4	43.4	57.8	57.8	59.0	56.3	65.8	42.2
	30	71.5	71.5	71.5	71.5	76.0	57.0	69.0	69.0	68.9	68.9	73.1	56.8	66.1	66.1	66.1	66.1	69.8	56.3	62.9	62.9	62.9	62.9	66.2	55.4
	33	75.0	75.0	75.0	75.0	76.7	69.0	72.7	72.7	72.7	72.7	73.8	69.2	70.1	70.1	70.1	70.1	70.7	69.0	67.2	67.2	67.2	67.2	67.2	67.2

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (kW)
3. SHC = Sensible heat capacity (kW)

Table PD-11a — Gross Cooling Capacities (MBh)TC*250BD,TK*250BD — (IP)

	Enter. Dry Bulb	Ambient Temperature (°F)																					
		85						95						105						115			
		Entering Wet Bulb Temperature (°F)																					
Airflow	Temp	61		67		73		61		67		73		61		67		73		61		67		73	
cfm	(°F)	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC	TGC	SHC
7500	75	205.9	178.7	234.0	137.7	253.5	93.2	191.3	171.3	221.4	131.6	243.6	88.6	176.6	163.9	206.6	124.8	232.2	83.5	161.7	156.5	190.0	127.9	219.3	77.5
	80	210.0	210.0	234.4	171.9	255.0	128.3	198.3	198.3	221.6	166.4	244.7	123.2	186.4	186.4	206.8	159.6	232.9	117.7	174.1	174.1	190.4	152.2	219.6	112.0
	85	224.9	224.9	235.3	205.7	256.0	158.8	213.8	213.8	222.4	201.0	245.5	155.5	201.9	201.9	208.1	194.6	233.5	151.3	189.6	189.6	192.7	187.6	220.0	146.3
	90	237.6	237.6	237.5	237.5	257.7	189.5	227.9	227.9	227.8	227.8	246.9	187.5	217.0	217.0	216.9	216.9	234.5	184.2	205.1	205.1	205.0	205.0	220.7	179.8
8300	75	210.5	188.6	237.3	143.1	256.2	94.7	195.7	181.2	225.0	137.2	246.3	89.9	180.9	173.8	210.4	130.5	234.8	84.5	164.7	164.7	194.0	123.3	222.0	79.0
	80	217.7	217.7	237.9	179.5	257.2	131.4	205.8	205.8	225.3	174.7	247.6	127.8	193.4	193.4	210.6	168.3	235.7	122.4	180.7	180.7	194.3	161.1	222.5	116.7
	85	232.0	232.0	239.2	215.8	259.1	164.0	221.4	221.4	226.8	212.2	248.6	161.4	209.5	209.5	212.8	206.7	236.6	157.8	197.0	197.0	196.8	196.8	223.1	153.3
	90	243.9	243.9	243.8	243.8	260.9	196.8	234.6	234.6	234.5	234.5	250.2	195.5	224.1	224.1	224.0	224.0	237.8	193.1	212.5	212.5	212.4	212.4	224.0	189.4
9100	75	214.7	198.1	239.7	147.7	258.6	96.4	199.8	190.7	227.9	142.5	248.5	91.3	184.9	183.4	213.6	136.0	237.0	86.0	170.0	170.0	197.3	128.8	224.1	80.4
	80	224.1	224.1	240.8	186.4	259.7	134.4	212.4	212.4	228.4	182.6	249.4	130.7	199.7	199.7	213.9	176.7	238.1	126.8	186.6	186.6	197.7	169.6	224.8	121.1
	85	237.6	237.6	242.5	225.1	261.8	168.8	227.4	227.4	230.7	222.6	251.2	166.7	216.0	216.0	215.8	215.8	239.2	163.8	203.3	203.3	203.2	203.2	225.6	159.8
	90	249.1	249.1	249.0	249.0	263.7	203.5	240.1	240.1	240.0	240.0	252.9	203.0	229.8	229.8	229.7	229.7	240.6	201.4	218.4	218.4	218.3	218.3	226.9	198.4
9900	75	218.3	207.2	242.1	151.9	260.5	97.8	203.5	200.0	230.4	147.5	250.4	92.7	188.1	188.1	216.3	141.1	238.8	87.4	174.7	174.7	200.0	134.1	225.9	81.8
	80	229.3	229.3	243.3	192.9	262.3	135.5	217.9	217.9	231.1	189.8	251.5	133.7	205.3	205.3	216.7	184.7	240.1	131.1	191.9	191.9	200.7	177.8	226.8	125.4
	85	241.4	241.4	245.5	233.7	264.0	173.2	232.4	232.4	234.0	232.1	253.5	171.7	221.2	221.2	221.1	221.1	241.4	169.3	208.9	208.9	208.8	208.8	227.8	165.9
	90	253.4	253.4	253.4	253.4	266.0	209.8	244.6	244.6	244.6	244.6	255.3	210.0	234.5	234.5	234.4	234.4	243.0	209.1	223.2	223.2	223.1	223.1	229.4	206.8

NOTES:
1. All capacities shown are gross and have not considered indoor fan heat.
2. TGC = Total gross capacity (MBh)
3. SHC = Sensible heat capacity (MBh)

Table PD-12 — Cooling Correction Factors (Capacities for m³/h [cfm] other than standard)

% of Nominal m³/h (cfm)	-20	-10	0	+10	+20
Gross Capacity Multiplier	.96	.98	1.0	1.01	1.02
Gross Sensible Capacity Multiplier	.90	.95	1.0	1.05	1.09
Compressor Power Multiplier	.98	.00	1.0	1.01	1.02

Performance Data

T**063CD

Table PD-13— Evaporator Fan Performance — TC*063C, TK*063C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
2850	—	—	—	—	630	0.25	682	0.28	732	0.32	781	0.35	827	0.38	871	0.41	912	0.44	950	0.46
3210	—	—	622	0.29	671	0.32	718	0.36	764	0.40	809	0.44	853	0.48	896	0.51	937	0.55	975	0.58
3570	621	0.33	671	0.37	715	0.42	759	0.46	801	0.50	842	0.54	883	0.59	923	0.63	962	0.67	1000	0.71
3930	674	0.43	720	0.48	762	0.53	802	0.57	841	0.62	879	0.67	917	0.71	954	0.76	991	0.81	1027	0.85
4290	727	0.54	771	0.60	810	0.66	848	0.71	884	0.76	920	0.81	955	0.86	989	0.91	1024	0.96	1058	1.01
	0.75 Nom kW Standard Motor & Sheaves										**1.12 Nom kW Oversized Motor & Sheaves**									

Table PD-13— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)									
	275.00		300.00		325.00		350.00		375.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.12 Nom kW Oversized Motor & Sheaves									
2850	987	0.48	1023	0.51	1057	0.53	1089	0.54	1121	0.56
3210	1012	0.61	1047	0.64	1081	0.67	1113	0.69	1145	0.72
3570	1037	0.75	1072	0.78	1106	0.82	1138	0.85	1169	0.88
3930	1063	0.90	1097	0.94	1131	0.98	1163	1.02	1194	1.06
4290	1091	1.06	1124	1.11	1156	1.16	1188	1.21	1219	1.26
	1.12 Nom kW Oversized Motor & Field Supplied High Static Drive									

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-13a— Evaporator Fan Performance — TC*063C, TK*063C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	1.00 Nom Hp Standard Motor & Sheaves																			
1680	—	—	—	—	629	0.33	681	0.38	731	0.42	780	0.47	826	0.51	870	0.55	910	0.58	949	0.62
1890	—	—	622	0.38	671	0.44	718	0.49	763	0.54	808	0.59	852	0.64	895	0.69	935	0.73	974	0.77
2100	621	0.44	670	0.50	715	0.56	758	0.61	800	0.67	841	0.73	882	0.78	922	0.84	961	0.89	999	0.95
2310	673	0.57	719	0.64	761	0.70	801	0.76	840	0.83	878	0.89	916	0.95	953	1.01	989	1.07	1025	1.13
2520	725	0.73	769	0.80	809	0.87	846	0.94	882	1.01	918	1.08	953	1.14	987	1.21	1022	1.28	1055	1.35
											1.50 Nom Hp Oversized Motor & Sheaves								

Table PD-13a— Evaporator Fan Performance — Continued

	External Static Pressure - (In. H_20)									
	1.10		1.20		1.30		1.40		1.50	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	1.50 Nom Hp Oversized Motor & Drive									
1680	986	0.65	1021	0.68	1055	0.71	1088	0.73	1119	0.75
1890	1010	0.82	1045	0.85	1079	0.89	1112	0.93	1143	0.96
2100	1035	1.00	1070	1.05	1104	1.09	1136	1.14	1167	1.18
2310	1061	1.19	1095	1.25	1129	1.31	1161	1.37	1192	1.42
2520	1089	1.41	1122	1.48	1154	1.55	1186	1.61	1217	1.67
	1.50 Nom Hp Oversized Motor & Field Supplied High Static Drive									

Notes:
Data includes pressure drop for filters and wet coil.

Performance Data

Table PD-14— Evaporator Fan Performance — TC*073C, TK*073C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	0.75 Nom kW Standard Motor & Sheaves																			
3390	—	—	646	0.33	693	0.37	738	0.41	782	0.45	824	0.49	864	0.52	901	0.56	936	0.59	969	0.62
3820	659	0.40	705	0.45	748	0.49	789	0.54	828	0.58	868	0.63	906	0.67	943	0.71	977	0.76	1010	0.79
4250	723	0.53	766	0.59	805	0.64	842	0.69	879	0.74	915	0.79	950	0.84	986	0.89	1020	0.94	1052	0.99
4680	788	0.70	827	0.76	864	0.82	899	0.87	933	0.93	966	0.99	999	1.04	1031	1.10	1063	1.15	1095	1.21
5110	852	0.90	890	0.96	924	1.03	957	1.09	989	1.15	1020	1.21	1050	1.27	1080	1.33	1110	1.40	—	—
					1.12 Nom kW Oversized Motor & Sheaves										**1.12 Nom kW Oversized Motor & Field Supplied High Static Drive**					

Table PD-14— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)									
	275.00		300.00		325.00		350.00		375.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.12 Nom kW Oversized Motor & Sheaves						**1.12 Nom kW Oversized Motor & Field Supplied High Static Drive**			
3390	1001	0.65	1032	0.68	1061	0.71	1090	0.73	1117	0.76
3820	1042	0.83	1072	0.87	1101	0.90	1129	0.94	1156	0.97
4250	1083	1.03	1113	1.08	1142	1.12	1169	1.16	1196	1.20
4680	1125	1.26	1155	1.31	1183	1.36	1211	1.41	—	—
5110	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-14a— Evaporator Fan Performance — TC*073C, TK*073C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	1.00 Nom Hp Standard Motor & Sheaves																			
2000	—	—	647	0.44	693	0.50	738	0.55	782	0.60	824	0.66	863	0.71	900	0.75	935	0.80	968	0.84
2250	660	0.53	705	0.60	748	0.66	788	0.72	828	0.78	867	0.84	905	0.90	942	0.96	976	1.01	1009	1.06
2500	723	0.71	765	0.79	804	0.86	842	0.92	878	0.99	914	1.06	949	1.12	984	1.19	1018	1.26	1050	1.32
2750	786	0.93	826	1.01	862	1.09	897	1.17	931	1.24	964	1.32	997	1.39	1029	1.46	1061	1.54	1093	1.61
3000	850	1.19	887	1.28	922	1.37	955	1.45	986	1.53	1017	1.62	1048	1.70	1078	1.78	1107	1.86	—	—
					1.50 Nom Hp Oversized Motor & Sheaves										**1.50 Nom Hp Oversized Motor & Field Supplied High Static Drive**					

Table PD-14a — Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)									
	1.10		1.20		1.30		1.40		1.50	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	1.50 Nom Hp Oversized Motor & Sheaves						**1.50 Nom Hp Oversized Motor & Field Supplied High Static Drive**			
2000	1000	0.88	1031	0.92	1060	0.95	1088	0.99	1116	1.02
2250	1040	1.11	1070	1.16	1099	1.21	1127	1.25	1155	1.30
2500	1081	1.38	1111	1.44	1139	1.50	1167	1.55	1194	1.60
2750	1123	1.68	1152	1.75	1181	1.82	1208	1.88	—	—
3000	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-15— Evaporator Fan Performance —TCD085C,TKD085C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
3800	—	—	—	—	—	—	631	0.43	670	0.49	708	0.55	743	0.62	777	0.69	809	0.76	840	0.82
4280	—	—	—	—	632	0.48	671	0.54	708	0.61	743	0.68	777	0.75	810	0.82	841	0.90	871	0.97
4760	—	—	640	0.54	677	0.61	713	0.68	748	0.75	781	0.83	813	0.90	844	0.98	874	1.06	903	1.14
5240	649	0.61	688	0.69	724	0.77	757	0.84	790	0.92	821	1.00	852	1.08	881	1.16	910	1.25	938	1.33
5720	701	0.78	738	0.87	772	0.95	804	1.03	834	1.12	863	1.20	892	1.28	920	1.37	948	1.46	975	1.55
	1.12 Nom kW Standard Motor & Sheaves								**1.12 Nom kW Standard Motor & High Static Drive**								**1.49 Nom kW Oversized Motor & Sheaves**			

Table PD-15— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.12 Nom kW Standard Motor & High Static Drive						**1.49 Nom kW Oversized Motor & Sheaves**						**1.49 Nom kW Oversized Motor & Field Supplied High Static Drive**							
3800	870	0.89	898	0.96	925	1.03	951	1.10	976	1.18	1001	1.25	1025	1.32	1048	1.39	1070	1.46	1092	1.54
4280	900	1.05	928	1.13	955	1.20	981	1.28	1006	1.36	1030	1.44	1054	1.52	1077	1.60	1099	1.68	—	—
4760	931	1.22	959	1.30	985	1.39	1011	1.48	1036	1.56	1060	1.65	1083	1.73	—	—	—	—	—	—
5240	965	1.42	991	1.51	1017	1.60	1042	1.69	—	—	—	—	—	—	—	—	—	—	—	—
5720	1001	1.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

1.49 Nom kW Oversized Motor & Field Supplied High Static Drive

Table PD-15a— Evaporator Fan Performance —TCD085C,TKD085C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
							1.50 Nom Hp Standard Motor & Sheaves													
2200	—	—	—	—	—	—	625	0.56	665	0.64	702	0.72	738	0.81	772	0.90	804	0.99	835	1.08
2500	—	—	—	—	628	0.63	667	0.72	704	0.80	740	0.90	774	0.99	806	1.08	837	1.18	867	1.28
2800	—	—	639	0.73	676	0.82	712	0.91	747	1.00	780	1.10	812	1.20	843	1.31	873	1.41	902	1.52
3100	653	0.84	692	0.94	727	1.04	759	1.14	792	1.24	823	1.35	853	1.46	883	1.57	911	1.68	939	1.80
3400	709	1.08	745	1.20	778	1.31	809	1.42	839	1.53	868	1.64	896	1.75	924	1.87	951	1.99	978	2.11
									1.50 Nom Hp Standard Motor & High Static Drive								**2.00 Nom Hp Oversized Motor & Sheaves**			

Table PD-15a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	1.50 Nom Hp Standard Motor & High Static Drive						**2.00 Nom Hp Oversized Motor & Sheaves**						**2.00 Nom Hp Oversized Motor & Field Supplied High Static Drive**							
2200	865	1.17	893	1.26	920	1.36	947	1.45	972	1.55	996	1.64	1020	1.74	1043	1.83	1066	1.93	1088	2.03
2500	897	1.39	925	1.49	952	1.59	978	1.70	1003	1.80	1027	1.91	1051	2.02	1074	2.12	1096	2.23	—	—
2800	930	1.63	957	1.74	984	1.85	1009	1.97	1034	2.09	1058	2.20	1082	2.32	—	—	—	—	—	—
3100	966	1.91	992	2.03	1017	2.15	1042	2.27	—	—	—	—	—	—	—	—	—	—	—	—
3400	1004	2.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

2.00 Nom Hp Oversized Motor & Field Supplied High Static Drive

Performance Data

T*H085CD

Table PD-16 — Evaporator Fan Performance — TCH085C, TKH085C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
					1.12 Nom kW Standard Motor & Sheaves																
3800	—	—	—	—	517	0.30	561	0.36	601	0.42	639	0.48	675	0.54	709	0.61	741	0.67	772	0.74
4280	—	—	499	0.32	547	0.38	590	0.45	629	0.51	665	0.58	700	0.65	733	0.71	764	0.78	794	0.86
4760	—	—	531	0.40	578	0.47	620	0.55	658	0.62	693	0.69	726	0.76	758	0.84	789	0.91	818	0.99
5240	513	0.40	565	0.49	610	0.58	651	0.66	688	0.74	722	0.82	754	0.90	785	0.98	815	1.06	843	1.14
5720	550	0.51	600	0.61	643	0.70	683	0.79	719	0.88	752	0.97	784	1.06	814	1.14	842	1.23	870	1.32
																	1.12 Nom kW Standard Motor & High Static Drive			

Table PD-16— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.12 Nom kW Standard Motor & Sheaves		**1.12 Nom kW Standard Motor & High Static Drive**								**1.49 Nom kW Oversized Motor & Sheaves**									
3800	801	0.81	830	0.87	857	0.94	883	1.01	908	1.08	933	1.16	957	1.23	980	1.30	1002	1.37	—	—
4280	823	0.93	851	1.00	878	1.08	904	1.16	929	1.23	953	1.31	977	1.39	1000	1.47	—	—	—	—
4760	846	1.07	873	1.15	900	1.23	925	1.31	950	1.39	974	1.48	998	1.56	—	—	—	—	—	—
5240	871	1.23	897	1.31	923	1.40	948	1.48	972	1.57	996	1.66	—	—	—	—	—	—	—	—
5720	897	1.41	922	1.50	948	1.59	972	1.68	996	1.77	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-16a— Evaporator Fan Performance — TCH085C, TKH085C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
					1.50 Nom Hp Standard Motor & Sheaves															
2250	407	0.25	467	0.33	517	0.41	561	0.49	602	0.57	640	0.65	675	0.73	709	0.82	741	0.90	772	0.99
2525	441	0.33	499	0.42	547	0.51	590	0.60	629	0.69	665	0.78	699	0.87	732	0.96	763	1.05	793	1.15
2800	476	0.42	530	0.53	577	0.63	619	0.73	657	0.83	692	0.92	725	1.02	757	1.12	787	1.22	817	1.32
3075	511	0.54	563	0.66	609	0.77	649	0.88	686	0.99	720	1.09	753	1.20	783	1.30	813	1.41	841	1.52
3350	546	0.67	597	0.80	640	0.93	680	1.05	716	1.17	750	1.29	781	1.40	811	1.52	840	1.63	867	1.75
																	1.50 Nom Hp Standard Motor & High Static Drive			

Table PD-16a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	1.50 Nom Hp Standard Motor & Sheaves		**1.50 Nom Hp Standard Motor & High Static Drive**								**2.00 Nom Hp Oversized Motor & Sheaves**									
2250	801	1.08	829	1.18	856	1.27	882	1.36	908	1.46	932	1.55	956	1.65	979	1.74	1001	1.84	1023	1.94
2525	822	1.24	850	1.34	877	1.44	903	1.55	928	1.65	952	1.75	976	1.86	999	1.96	1021	2.07	1043	2.18
2800	845	1.43	872	1.53	898	1.64	924	1.75	948	1.86	973	1.97	996	2.09	1019	2.20	1041	2.31	1063	2.43
3075	869	1.63	895	1.75	921	1.86	946	1.97	970	2.09	994	2.21	1017	2.33	1040	2.45	1062	2.57	1083	2.70
3350	894	1.86	920	1.98	945	2.10	969	2.23	993	2.35	1016	2.48	1039	2.60	1061	2.73	1083	2.86	1104	2.99

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-17 — Evaporator Fan Performance — TC*089C, TK*089C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
3800	—	—	—	—	763	0.44	805	0.47	846	0.50	886	0.53	924	0.56	962	0.58	999	0.60	1035	0.62
4280	—	—	789	0.56	829	0.60	867	0.64	904	0.67	941	0.71	976	0.74	1011	0.77	1045	0.80	1078	0.83
4760	818	0.70	859	0.75	897	0.80	932	0.84	966	0.88	1000	0.92	1033	0.96	1065	1.00	1096	1.03	1127	1.06
5240	892	0.92	931	0.98	966	1.03	999	1.08	1031	1.13	1062	1.17	1092	1.22	1122	1.26	1152	1.30	1181	1.34
5720	967	1.18	1003	1.25	1036	1.31	1068	1.37	1098	1.42	1126	1.47	1155	1.52	1183	1.57	1211	1.61	1238	1.66
	1.49 Nom kW Standard Motor & Sheaves														**Oversized Motor & Field Supplied High Static Drive**					

Table PD-17— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)									
	275.00		300.00		325.00		350.00		375.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.49 Nom kW Standard Motor & Sheaves						**Oversized Motor & Field Supplied High Static Drive**			
3800	1071	0.64	1107	0.65	1143	0.66	1178	0.67	1213	0.68
4280	1111	0.85	1144	0.87	1176	0.89	1208	0.91	1240	0.93
4760	1158	1.10	1188	1.12	1218	1.15	1248	1.18	1277	1.20
5240	1210	1.38	1238	1.41	1266	1.45	1293	1.48	1321	1.51
5720	1265	1.70	1291	1.75	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-17a— Evaporator Fan Performance — TC*089C, TK*089C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2250	—	—	—	—	766	0.60	807	0.64	848	0.68	887	0.72	925	0.76	963	0.79	1000	0.82	1036	0.84
2525	—	—	790	0.76	830	0.81	868	0.86	905	0.91	941	0.95	976	1.00	1011	1.04	1045	1.08	1078	1.11
2800	817	0.93	858	1.00	896	1.07	931	1.12	965	1.18	999	1.23	1031	1.28	1063	1.33	1095	1.38	1126	1.42
3075	889	1.22	927	1.30	963	1.37	997	1.44	1028	1.50	1059	1.56	1089	1.62	1119	1.67	1149	1.73	1178	1.78
3350	961	1.56	997	1.65	1031	1.73	1063	1.80	1093	1.88	1122	1.94	1150	2.01	1178	2.07	1206	2.13	1233	2.20
	2.00 Nom Hp Standard Motor & Sheaves														**Oversized Motor & Field Supplied High Static Drive**					

Table PD-17a — Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)									
	1.10		1.20		1.30		1.40		1.50	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	2.00 Nom Hp Standard Motor & Sheaves						**Oversized Motor & Field Supplied High Static Drive**			
2250	1072	0.87	1107	0.89	1141	0.90	1174	0.92	1205	0.92
2525	1111	1.14	1143	1.17	1175	1.20	1208	1.23	1239	1.25
2800	1156	1.46	1187	1.50	1216	1.54	1246	1.58	1275	1.61
3075	1207	1.83	1235	1.88	1263	1.93	1290	1.97	1317	2.01
3350	1260	2.25	1287	2.31	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Performance Data

T*D100CD

Table PD-18— Evaporator Fan Performance — TCD100C, TKD100C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
									1.49 Nom kW Standard Motor and Sheaves											
4490	—	—	—	—	—	—	—	—	686	0.64	718	0.71	748	0.77	778	0.84	807	0.91	835	0.98
5050	—	—	—	—	671	0.69	702	0.75	733	0.82	762	0.89	791	0.96	818	1.03	846	1.11	872	1.18
5610	—	—	—	—	725	0.89	754	0.97	782	1.04	809	1.11	836	1.19	862	1.27	887	1.35	912	1.43
6170	718	0.96	750	1.05	780	1.14	808	1.22	834	1.30	859	1.38	884	1.46	908	1.54	932	1.63	955	1.71
6730	778	1.23	808	1.33	836	1.42	862	1.51	887	1.60	911	1.69	934	1.77	956	1.86	979	1.95	1001	2.05
															2.24 Nom kW Oversized Motor & Sheaves					

1.49 Nom kW Standard Motor & High Static Drive

Table PD-18— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.49 Nom kW Standard Motor & Sheaves				**1.49 Nom kW Standard Motor & High Static Drive**										**2.24 Nom kW Oversized Motor & Sheaves**					
4490	862	1.05	888	1.12	914	1.19	938	1.27	962	1.34	985	1.41	1007	1.48	1029	1.56	1050	1.63	1070	1.70
5050	898	1.26	923	1.34	948	1.42	972	1.50	995	1.58	1018	1.66	1040	1.74	1061	1.83	1082	1.91	1103	1.99
5610	937	1.51	961	1.59	984	1.68	1007	1.76	1030	1.85	1052	1.94	1073	2.03	1095	2.12	1115	2.21	1136	2.30
6170	979	1.80	1001	1.89	1024	1.98	1046	2.07	1067	2.17	1088	2.26	1109	2.35	1130	2.45	1150	2.55	—	—
6730	1023	2.14	1044	2.23	1065	2.33	1086	2.43	1107	2.52	1127	2.62	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

2.24 Nom kW Oversized Motor & Field Supplied High Static Drive

Table PD-18a— Evaporator Fan Performance — TCD100C, TKD100C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
									2.00 Nom Hp Standard Motor and Sheaves											
2700	—	—	—	—	—	—	—	—	693	0.90	724	0.98	755	1.07	784	1.16	812	1.26	840	1.35
3000	—	—	—	—	675	0.94	706	1.03	736	1.12	765	1.21	793	1.31	821	1.41	848	1.51	874	1.61
3300	—	—	—	—	724	1.19	753	1.29	781	1.39	808	1.49	835	1.59	861	1.69	886	1.80	911	1.91
3600	710	1.25	743	1.37	773	1.48	801	1.59	828	1.70	853	1.81	878	1.92	903	2.03	927	2.14	950	2.25
3900	764	1.57	795	1.70	823	1.82	850	1.94	876	2.06	900	2.18	924	2.29	947	2.41	969	2.53	991	2.65
															3.00 Nom Hp Oversized Motor & Sheaves					

2.00 Nom Hp Standard Motor & High Static Drive

Table PD-18a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	2.00 Nom Hp Standard Motor & Sheaves				**2.00 Nom Hp Standard Motor & High Static Drive**										**3.00 Nom Hp Oversized Motor & Sheaves**					
2700	867	1.45	893	1.55	918	1.64	942	1.74	966	1.84	988	1.94	1010	2.04	1032	2.13	1053	2.23	1073	2.33
3000	900	1.71	925	1.82	949	1.92	973	2.03	996	2.14	1019	2.25	1041	2.36	1062	2.47	1083	2.58	1103	2.69
3300	936	2.02	959	2.13	983	2.24	1006	2.36	1028	2.47	1050	2.59	1072	2.71	1093	2.83	1113	2.95	1134	3.07
3600	973	2.37	996	2.49	1019	2.61	1041	2.73	1062	2.85	1083	2.98	1104	3.10	1125	3.23	1145	3.36	—	—
3900	1013	2.77	1035	2.90	1056	3.02	1077	3.15	1098	3.28	1119	3.41	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

3.00 Nom Hp Oversized Motor & Field Supplied High Static Drive

Table PD-19 — Evaporator Fan Performance — TCH100C, TKH100C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
4490	—	—	—	—	—	—	—	—	—	—	691	0.65	725	0.72	757	0.80	788	0.87	818	0.94
5050	—	—	—	—	—	—	—	—	693	0.73	726	0.81	758	0.88	789	0.96	819	1.04	848	1.12
5610	—	—	—	—	—	—	698	0.82	732	0.91	764	0.99	794	1.07	824	1.16	853	1.24	880	1.33
6170	—	—	—	—	705	0.92	740	1.02	773	1.11	804	1.20	833	1.29	861	1.38	888	1.47	915	1.57
6730	671	0.91	712	1.02	749	1.14	783	1.24	815	1.35	845	1.45	873	1.55	900	1.65	926	1.74	951	1.84
	1.49 Nom kW Standard Motor & Sheaves														1.49 Nom kW Standard Motor & High Static Drive					

Table PD-19— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.49 Nom kW Standard Motor and Sheaves				1.49 Nom kW Standard Motor & High Static Drive										2.24 Nom kW Oversized Motor & Sheaves					
4490	847	1.02	875	1.10	901	1.17	926	1.25	951	1.33	975	1.40	998	1.48	1021	1.56	1043	1.64	1065	1.72
5050	876	1.20	903	1.29	929	1.37	955	1.46	979	1.54	1003	1.63	1026	1.72	1049	1.80	1070	1.89	1092	1.98
5610	907	1.42	934	1.51	959	1.60	984	1.69	1008	1.78	1031	1.88	1054	1.97	1077	2.07	1098	2.16	1120	2.26
6170	941	1.66	966	1.76	991	1.86	1015	1.95	1038	2.05	1061	2.15	1084	2.25	1105	2.36	1127	2.46	1148	2.56
6730	976	1.94	1000	2.05	1024	2.15	1047	2.25	1070	2.36	1092	2.46	1114	2.57	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

2.24 Nom kW Oversized Motor & Field Supplied High Static Drive

Table PD-19a— Evaporator Fan Performance — TCH100C, TKH100C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2700	—	—	—	—	—	—	—	—	—	—	696	0.91	729	1.00	762	1.10	793	1.20	822	1.30
3000	—	—	—	—	—	—	—	—	695	1.00	728	1.10	760	1.20	791	1.30	821	1.41	850	1.52
3300	—	—	—	—	—	—	697	1.10	731	1.21	763	1.32	793	1.43	823	1.54	851	1.66	879	1.77
3600	—	—	—	—	698	1.20	734	1.33	768	1.46	799	1.58	828	1.70	856	1.82	884	1.94	910	2.06
3900	658	1.15	700	1.31	738	1.45	773	1.60	805	1.73	836	1.87	864	2.00	892	2.13	918	2.26	943	2.39
	2.00 Nom Hp Standard Motor & Sheaves														2.00 Nom Hp Standard Motor & High Static Drive					

Table PD-19a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	2.00 Nom Hp Standard Motor & Sheaves				2.00 Nom Hp Standard Motor & High Static Drive										3.00 Nom Hp Oversized Motor & Sheaves					
2700	851	1.40	878	1.51	905	1.61	930	1.71	955	1.82	979	1.93	1002	2.03	1024	2.14	1046	2.24	1067	2.35
3000	878	1.63	904	1.74	930	1.86	956	1.97	980	2.09	1004	2.20	1027	2.32	1049	2.44	1071	2.55	1092	2.67
3300	906	1.89	932	2.01	958	2.13	982	2.26	1006	2.38	1030	2.51	1053	2.63	1075	2.76	1097	2.89	1118	3.01
3600	936	2.19	961	2.32	986	2.45	1010	2.58	1034	2.71	1057	2.84	1079	2.97	1101	3.11	1123	3.25	1144	3.38
3900	968	2.52	993	2.66	1016	2.80	1040	2.93	1063	3.07	1085	3.21	1107	3.36	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

3.00 Nom Hp Oversized Motor & Field Supplied High Static Drive

Performance Data

Table PD-20— Evaporator Fan Performance — TCD125C, TKD125C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
										1.49 Nom kW Standard Motor & Sheaves										
5720	—	—	—	—	595	0.69	634	0.79	672	0.89	709	1.00	744	1.11	777	1.22	810	1.34	841	1.46
6430	—	—	602	0.80	640	0.90	676	1.00	711	1.11	745	1.23	778	1.35	810	1.47	841	1.59	871	1.72
7140	613	0.92	652	1.04	687	1.15	720	1.26	753	1.38	784	1.50	815	1.63	845	1.76	874	1.89	903	2.03
7850	667	1.19	703	1.32	736	1.45	767	1.57	797	1.70	826	1.83	855	1.96	883	2.10	911	2.24	938	2.39
8560	720	1.52	754	1.66	785	1.80	815	1.94	843	2.07	870	2.21	897	2.35	924	2.50	—	—	—	—
										2.24 Nom kW Oversized Motor & Sheaves										

Table PD-20— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	2.24 Nom kW Oversized Motor & Sheaves								**2.24 Nom kW Oversized Motor & Field Supplied High Static Drive**											
5720	870	1.58	898	1.69	926	1.81	952	1.93	977	2.05	1002	2.17	1025	2.29	1049	2.41	1071	2.53	—	—
6430	900	1.86	928	1.99	955	2.12	981	2.25	1006	2.39	1030	2.52	—	—	—	—	—	—	—	—
7140	931	2.17	958	2.31	985	2.46	1010	2.60	—	—	—	—	—	—	—	—	—	—	—	—
7850	965	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8560	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-20a— Evaporator Fan Performance — TCD125C, TKD125C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
										2.00 Nom Hp Standard Motor & Sheaves										
3400	—	—	—	—	598	0.94	637	1.07	674	1.21	710	1.36	745	1.50	779	1.66	811	1.82	842	1.97
3800	—	—	603	1.08	641	1.21	677	1.35	712	1.50	746	1.65	778	1.81	810	1.98	841	2.14	871	2.32
4200	612	1.23	651	1.38	686	1.54	719	1.69	752	1.85	783	2.01	814	2.18	844	2.35	873	2.53	902	2.71
4600	663	1.58	699	1.75	733	1.92	764	2.08	794	2.25	823	2.43	852	2.60	881	2.79	908	2.97	935	3.17
5000	714	1.99	749	2.18	780	2.37	810	2.55	838	2.72	866	2.91	893	3.10	919	3.29	—	—	—	—
										3.00 Nom Hp Oversized Motor & Sheaves										

Table PD-20a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	3.00 Nom Hp Oversized Motor & Sheaves								**3.00 Nom Hp Oversized Motor & Field Supplied High Static Drive**											
3400	871	2.13	899	2.29	926	2.45	952	2.61	977	2.77	1002	2.93	1025	3.09	1048	3.25	1071	3.41	—	—
3800	900	2.49	927	2.67	954	2.85	980	3.02	1005	3.20	1029	3.38	—	—	—	—	—	—	—	—
4200	929	2.90	956	3.09	983	3.28	1009	3.48	—	—	—	—	—	—	—	—	—	—	—	—
4600	962	3.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-21 — Evaporator Fan Performance — TCH125C, TKH125C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
1.49 Nom kW Standard Motor & Sheaves																				
5720	—	—	—	—	—	—	594	0.79	633	0.90	671	1.01	707	1.14	742	1.26	776	1.40	808	1.54
6430	—	—	—	—	593	0.88	630	0.99	666	1.11	701	1.24	735	1.36	768	1.50	800	1.64	831	1.78
7140	—	—	593	0.98	633	1.12	668	1.24	702	1.37	735	1.50	766	1.64	797	1.78	827	1.92	856	2.07
7850	593	1.09	636	1.24	674	1.39	708	1.54	740	1.68	770	1.81	800	1.96	829	2.10	858	2.26	885	2.41
8560	639	1.37	679	1.55	715	1.71	749	1.87	779	2.03	809	2.18	836	2.33	864	2.49	—	—	—	—
2.24 Nom kW Oversized Motor & Sheaves																				

Table PD-21 — Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
2.24 Nom kW Oversized Motor & Sheaves																				
5720	840	1.68	869	1.82	898	1.96	926	2.10	952	2.24	978	2.39	1003	2.53	—	—	—	—	—	—
6430	861	1.93	890	2.08	919	2.24	946	2.40	973	2.56	—	—	—	—	—	—	—	—	—	—
7140	885	2.23	913	2.39	941	2.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7850	913	2.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8560	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

2.24 Nom kW Oversized Motor & Field Supplied High Static Drive

Table PD-21a— Evaporator Fan Performance — TCH125C, TKH125C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2.00 Nom Hp Standard Motor & Sheaves																				
3400	—	—	—	—	—	—	597	1.07	635	1.22	672	1.38	708	1.54	743	1.71	776	1.89	809	2.08
3800	—	—	—	—	593	1.19	631	1.34	667	1.50	701	1.66	735	1.84	768	2.01	799	2.20	830	2.39
4200	—	—	592	1.31	632	1.49	668	1.66	701	1.83	734	2.00	765	2.19	796	2.37	826	2.57	855	2.77
4600	590	1.43	632	1.64	671	1.84	705	2.03	738	2.22	768	2.40	798	2.60	827	2.79	855	2.99	883	3.20
5000	633	1.79	674	2.03	710	2.25	744	2.46	775	2.67	804	2.87	832	3.07	860	3.28	—	—	—	—
3.00 Nom Hp Oversized Motor & Sheaves																				

Table PD-21a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3.00 Nom Hp Oversized Motor & Sheaves																				
3400	840	2.26	869	2.45	898	2.64	925	2.83	952	3.02	977	3.21	1002	3.40	—	—	—	—	—	—
3800	860	2.59	890	2.80	918	3.00	945	3.21	972	3.42	—	—	—	—	—	—	—	—	—	—
4200	884	2.97	912	3.18	939	3.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4600	910	3.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

3.00 Nom Hp Oversized Motor & Field Supplied High Static Drive

Performance Data

Table PD-22 — Evaporator Fan Performance — TC*155B, TK*155B — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
							1.49 Nom kW Standard Motor & Sheaves													
6800	—	—	—	—	—	—	565	0.70	599	0.77	633	0.85	665	0.93	697	1.02	728	1.10	758	1.19
7650	—	—	—	—	571	0.82	603	0.90	634	0.99	665	1.07	694	1.16	723	1.25	752	1.34	780	1.44
8500	—	—	580	0.97	613	1.07	643	1.16	672	1.25	700	1.34	727	1.43	754	1.53	781	1.63	807	1.73
9350	590	1.13	624	1.24	656	1.35	684	1.46	711	1.55	738	1.65	763	1.75	788	1.86	813	1.96	838	2.07
10200	637	1.44	670	1.57	699	1.69	727	1.81	753	1.92	777	2.02	801	2.13	825	2.24	848	2.35	871	2.46
											2.24 Nom kW Oversized Motor & Sheaves									

1.49 Nom kW Standard Motor & High Static Drive

Table PD-22— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	1.49 Nom kW Standard Motor & High Static Drive								**2.24 Nom kW Oversized Motor & Field Supplied High Static Drive**											
6800	787	1.28	815	1.37	842	1.46	868	1.54	892	1.63	916	1.71	940	1.79	962	1.88	985	1.96	1006	2.04
7650	808	1.53	836	1.63	862	1.74	888	1.83	912	1.93	936	2.03	960	2.13	982	2.22	1004	2.32	1026	2.41
8500	833	1.83	858	1.93	883	2.04	908	2.15	933	2.26	957	2.37	980	2.49	1002	2.59	—	—	—	—
9350	862	2.18	885	2.29	909	2.40	932	2.51	955	2.63	—	—	—	—	—	—	—	—	—	—
10200	894	2.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

2.24 Nom kW Oversized Motor & Sheaves

Table PD-22a— Evaporator Fan Performance — TC*155B, TK*155B — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
							2.00 Nom Hp Standard Motor & Sheaves													
4000	—	—	—	—	—	—	565	0.93	599	1.03	632	1.14	664	1.25	696	1.36	727	1.48	757	1.59
4500	—	—	—	—	570	1.10	602	1.21	633	1.32	664	1.43	693	1.55	722	1.67	751	1.79	779	1.92
5000	—	—	579	1.30	612	1.43	642	1.55	671	1.67	699	1.79	726	1.91	753	2.04	780	2.17	806	2.30
5500	589	1.51	624	1.66	655	1.81	684	1.95	711	2.08	737	2.21	762	2.35	787	2.48	812	2.62	836	2.76
6000	637	1.93	669	2.10	698	2.26	726	2.42	752	2.56	776	2.71	800	2.85	824	3.00	847	3.14	870	3.29
											3.00 Nom Hp Oversized Motor & Sheaves									

2.00 Nom Hp Standard Motor & High Static Drive

Table PD-22a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	2.00 Nom Hp Standard Motor & High Static Drive								**3.00 Nom Hp Oversized Motor & Field Supplied High Static Drive**											
4000	786	1.71	814	1.83	840	1.95	866	2.06	891	2.17	915	2.28	938	2.39	961	2.50	983	2.61	1004	2.72
4500	807	2.05	834	2.18	861	2.32	886	2.45	911	2.58	935	2.71	958	2.84	981	2.97	1003	3.10	1024	3.22
5000	831	2.44	857	2.58	882	2.73	907	2.87	931	3.02	955	3.17	978	3.32	1001	3.47	—	—	—	—
5500	860	2.91	884	3.05	907	3.20	931	3.36	954	3.51	—	—	—	—	—	—	—	—	—	—
6000	892	3.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

3.00 Nom Hp Oversized Motor & Sheaves

Table PD-23 — Evaporator Fan Performance — TC*175C, TK*175C — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
2.24 Nom kW Standard Motor & Sheaves																				
7870	—	—	593	0.95	623	1.03	651	1.11	679	1.19	706	1.28	733	1.37	761	1.47	788	1.57	815	1.68
8860	623	1.21	653	1.31	680	1.40	706	1.49	731	1.58	756	1.67	780	1.77	805	1.87	829	1.97	853	2.08
9850	687	1.64	714	1.75	739	1.85	763	1.95	786	2.05	809	2.15	831	2.25	853	2.36	875	2.47	897	2.58
10840	750	2.16	775	2.28	799	2.40	821	2.51	843	2.62	864	2.73	884	2.84	905	2.95	925	3.07	945	3.18
11830	814	2.78	837	2.92	860	3.05	881	3.17	901	3.29	921	3.41	940	3.53	959	3.65	978	3.77	996	3.89
3.73 Nom kW Oversized Motor & Sheaves																				

Table PD-23 — Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
2.24 Nom kW Standard Motor & Sheaves											**3.73 Nom kW Oversized Motor & Sheaves**									
7870	842	1.79	869	1.91	896	2.03	921	2.15	946	2.27	970	2.39	994	2.51	1016	2.63	1038	2.75	1060	2.87
8860	877	2.19	901	2.31	925	2.43	949	2.56	973	2.69	997	2.83	1020	2.96	1043	3.10	1065	3.24	1086	3.37
9850	919	2.70	941	2.82	962	2.94	984	3.07	1006	3.20	1027	3.33	1049	3.47	1070	3.62	1092	3.77	1113	3.92
10840	965	3.30	985	3.43	1005	3.55	1025	3.68	1044	3.82	1064	3.95	1084	4.10	1104	4.24	—	—	—	—
11830	1015	4. 02	1033	4.15	1051	4.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

3.73 Nom kW Oversized Motor & Field Supplied High Static Drive

Table PD-23a— Evaporator Fan Performance — TC*175C TK*175C — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3.00 Nom Hp Standard Motor & Sheaves																				
4700	—	—	600	1.33	629	1.43	657	1.54	684	1.65	711	1.77	738	1.89	765	2.02	791	2.16	818	2.30
5250	627	1.65	656	1.79	683	1.91	709	2.03	734	2.15	758	2.27	782	2.40	807	2.54	831	2.68	855	2.82
5800	686	2.19	713	2.34	739	2.48	763	2.62	786	2.75	808	2.88	831	3.02	853	3.16	874	3.31	896	3.46
6350	746	2.85	771	3.01	795	3.17	818	3.32	840	3.47	860	3.61	881	3.76	901	3.91	922	4.06	942	4.22
6900	806	3.62	830	3.80	852	3.98	874	4.14	894	4.31	914	4.46	933	4.62	952	4.78	971	4.94	990	5.10
5.00 Nom Hp Oversized Motor & Sheaves																				

Table PD-23a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3.00 Nom Hp Standard Motor & Sheaves											**5.00 Nom Hp Oversized Motor & Sheaves**									
4700	845	2.45	871	2.60	897	2.77	923	2.93	947	3.09	971	3.25	994	3.40	1016	3.56	1038	3.72	1059	3.88
5250	879	2.97	902	3.13	926	3.29	950	3.46	974	3.63	997	3.82	1020	4.00	1042	4.17	1064	4.35	1085	4.53
5800	918	3.61	940	3.77	961	3.94	983	4.11	1005	4.28	1026	4.46	1048	4.65	1069	4.84	1090	5.04	1112	5.24
6350	962	4.38	981	4.54	1001	4.71	1021	4.88	1041	5.06	1061	5.24	1081	5.43	1100	5.62	—	—	—	—
6900	1008	5.27	1027	5.44	1045	5.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

5.00 Nom Hp Oversized Motor & Field Supplied High Static Drive

Performance Data

Table PD-24— Evaporator Fan Performance — TC*200B, TK*200B — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
							2.24 Nom kW Standard Motor & Sheaves													
8970	—	—	—	—	—	—	512	0.98	542	1.09	571	1.21	600	1.33	629	1.45	656	1.58	684	1.72
10090	—	—	—	—	519	1.16	547	1.28	575	1.39	601	1.51	627	1.64	653	1.77	679	1.91	704	2.05
11210	—	—	528	1.36	557	1.50	584	1.63	610	1.76	634	1.89	658	2.02	682	2.16	705	2.30	729	2.44
12330	537	1.58	568	1.74	596	1.90	622	2.05	647	2.19	670	2.33	692	2.47	714	2.62	735	2.77	757	2.92
13450	580	2.01	609	2.19	636	2.37	661	2.54	684	2.70	706	2.85	728	3.01	748	3.16	768	3.32	788	3.48
											3.73 Nom kW Oversized Motor & Sheaves									

2.24 Nom kW Standard Motor & High Static Drive

Table PD-24— Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m³/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
2.24 Nom kW Standard Motor & Sheaves					**2.24 Nom kW Standard Motor & High Static Drive**								**3.73 Nom kW Oversized Motor & High Static Drive Kit**							
8970	710	1.86	735	2.00	759	2.14	783	2.27	805	2.41	827	2.55	848	2.68	869	2.82	889	2.96	908	3.09
10090	729	2.20	753	2.35	777	2.50	800	2.66	823	2.81	845	2.97	866	3.13	886	3.28	906	3.43	925	3.59
11210	752	2.60	774	2.75	797	2.92	819	3.08	841	3.25	863	3.42	884	3.60	904	3.77	924	3.94	—	—
12330	778	3.08	799	3.24	820	3.40	841	3.57	862	3.75	882	3.93	902	4.11	922	4.30	—	—	—	—
13450	808	3.64	828	3.81	847	3.98	866	4.15	886	4.33	—	—	—	—	—	—	—	—	—	—
3.73 Nom kW Oversized Motor & Sheaves																				

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-24a— Evaporator Fan Performance — TC*200BTK*200B — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
							3.00 Nom Hp Standard Motor & Sheaves													
5200	—	—	—	—	—	—	508	1.27	538	1.42	567	1.57	596	1.73	625	1.89	653	2.07	680	2.25
5900	—	—	—	—	516	1.53	545	1.68	572	1.84	599	2.00	625	2.16	651	2.34	676	2.52	702	2.71
6600	—	—	528	1.83	557	2.01	584	2.19	609	2.35	634	2.53	658	2.70	681	2.89	705	3.08	728	3.27
7300	540	2.15	571	2.38	599	2.59	625	2.79	649	2.98	671	3.16	694	3.35	715	3.55	737	3.75	758	3.95
8000	586	2.78	615	3.03	641	3.27	666	3.49	689	3.71	711	3.92	732	4.12	752	4.33	772	4.54	792	4.75
											5.00 Nom Hp Oversized Motor & Sheaves									

3.00 Nom Hp Standard Motor & High Static Drive

Table PD-24a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3.00 Nom Hp Standard Motor & Sheaves					**3.00 Nom Hp Standard Motor & High Static Drive**								**5.00 Nom Hp Oversized Motor & High Static Drive Kit**							
5200	707	2.44	732	2.62	756	2.80	780	2.99	802	3.17	824	3.35	845	3.53	866	3.71	886	3.90	906	4.08
5900	727	2.91	751	3.11	775	3.31	798	3.52	821	3.73	843	3.94	864	4.15	884	4.36	904	4.56	924	4.77
6600	751	3.47	773	3.68	796	3.90	818	4.12	840	4.35	861	4.58	882	4.81	903	5.05	923	5.28	—	—
7300	779	4.16	800	4.38	821	4.60	841	4.83	862	5.06	882	5.30	902	5.54	922	5.79	—	—	—	—
8000	811	4.97	830	5.20	850	5.43	869	5.66	888	5.90	—	—	—	—	—	—	—	—	—	—
5.00 Nom Hp Oversized Motor & Sheaves																				

Notes:
Data includes pressure drop for filters and wet coil.

Performance Data

Table PD-25 — Evaporator Fan Performance — TC*250B, TK*250B — (SI)

	External Static Pressure (Pascals)																			
	25.00		50.00		75.00		100.00		125.00		150.00		175.00		200.00		225.00		250.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	3.73 Nom kW Standard Motor & Low Static Drive								**3.73 Nom kW Standard Motor & Sheaves**											
9870	459	0.82	495	0.95	529	1.09	558	1.21	585	1.31	609	1.42	632	1.51	654	1.60	675	1.69	695	1.78
11280	515	1.18	546	1.33	577	1.48	606	1.63	633	1.77	657	1.90	679	2.02	700	2.13	720	2.24	739	2.35
12690	573	1.64	599	1.80	628	1.97	655	2.15	681	2.31	704	2.47	726	2.62	747	2.76	766	2.89	785	3.02
14100	631	2.20	654	2.38	679	2.57	705	2.76	729	2.96	752	3.14	774	3.32	795	3.49	814	3.65	832	3.80
15510	690	2.90	711	3.08	733	3.28	756	3.50	779	3.71	801	3.93	822	4.13	842	4.33	—	—	—	—
16920	749	3.73	768	3.92	788	4.14	809	4.36	—	—	—	—	—	—	—	—	—	—	—	—
			3.73 Nom kW Standard Motor & High Static Drive																	

Table PD-25 — Evaporator Fan Performance — Continued

	External Static Pressure (Pascals)																			
	275.00		300.00		325.00		350.00		375.00		400.00		425.00		450.00		475.00		500.00	
m^3/h	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
	3.73 Nom kW Standard Motor & Sheaves						**3.73 Nom kW Standard Motor & High Static Drive**													
9870	714	1.86	733	1.94	751	2.02	769	2.10	786	2.17	802	2.25	818	2.32	834	2.39	849	2.46	864	2.53
11280	757	2.45	775	2.55	793	2.65	810	2.74	827	2.84	843	2.93	859	3.02	874	3.11	889	3.19	904	3.28
12690	803	3.14	820	3.26	837	3.38	853	3.49	869	3.61	885	3.72	901	3.83	916	3.93	931	4.04	—	—
14100	850	3.95	866	4.09	883	4.23	898	—	—	—	—	—	—	—	—	—	—	—	—	—
15510	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16920	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Table PD-25a— Evaporator Fan Performance — TC*250BTK*250B — (IP)

	External Static Pressure (In. H_20)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.90		1.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	5.00 Nom Hp Standard Motor & Low Static Drive								**5.00 Nom Hp Standard Motor & Sheaves**											
5810	459	1.10	495	1.28	528	1.45	558	1.61	585	1.76	609	1.90	631	2.02	653	2.14	674	2.26	694	2.38
6640	515	1.58	546	1.78	577	1.99	606	2.19	632	2.37	656	2.54	678	2.70	699	2.85	719	3.00	738	3.14
7470	573	2.19	599	2.41	627	2.64	655	2.88	680	3.10	704	3.31	726	3.51	746	3.69	766	3.87	784	4.04
8300	631	2.96	654	3.19	679	3.44	704	3.70	729	3.96	752	4.21	774	4.45	794	4.67	813	4.89	831	5.09
9130	690	3.88	711	4.13	733	4.40	756	4.69	779	4.97	801	5.26	822	5.53	842	5.80	—	—	—	—
9960	749	5.00	768	5.26	788	5.54	808	5.84	—	—	—	—	—	—	—	—	—	—	—	—
			5.00 Nom Hp Standard Motor & High Static Drive																	

Table PD-25a— Evaporator Fan Performance — Continued

	External Static Pressure (In. H_20)																			
	1.10		1.20		1.30		1.40		1.50		1.60		1.70		1.80		1.90		2.00	
cfm	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	5.00 Nom Hp Standard Motor & Sheaves						**5.00 Nom Hp Standard Motor & High Static Drive**													
5810	714	2.49	732	2.60	750	2.70	768	2.81	785	2.91	801	3.01	817	3.10	833	3.20	848	3.29	863	3.38
6640	756	3.28	775	3.41	792	3.54	809	3.67	826	3.80	842	3.92	858	4.04	873	4.16	888	4.27	903	4.39
7470	802	4.21	819	4.37	836	4.52	852	4.68	868	4.83	884	4.98	900	5.12	915	5.27	929	5.41	—	—
8300	849	5.29	866	5.48	882	5.66	898	—	—	—	—	—	—	—	—	—	—	—	—	—
9130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9960	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data includes pressure drop for filters and wet coil.

Performance Data

Table PD-26 — Standard Motor And Sheave/Fan Speed (RPM)

Unit Model No.	6Turns Open	5Turns Open	4Turns Open	3Turns Open	2Turns Open	1Turns Open	Closed
*063	N/A	613	671	729	788	846	904
*073, *085	N/A	602	659	716	774	831	888
*089	775	838	900	963	1026	1088	1151
*100	673	715	757	799	841	883	N/A
*125	588	630	672	714	756	798	N/A
*155	566	601	637	672	708	743	N/A
*175	724	769	815	860	906	951	N/A
*200	513	550	586	623	659	696	N/A
*250	588	619	650	681	712	743	N/A

Table PD-27 — Standard Motor And High Static Drive Sheave/Fan Speed (RPM)

Unit Model No.	6Turns Open	5Turns Open	4Turns Open	3Turns Open	2Turns Open	1Turns Open	Closed
*085	N/A	725	765	806	846	887	927
*100	798	840	882	924	966	1008	N/A
*155	672	707	743	778	814	849	N/A
*200	696	733	769	806	842	879	N/A
*250	761	796	831	865	900	935	N/A

Table PD-28 — Oversized Motor And Sheave/Fan Speed (RPM)

Unit Model No.	6Turns Open	5Turns Open	4Turns Open	3Turns Open	2Turns Open	1Turns Open	Closed
*063, *073	N/A	769	826	883	940	997	1054
*085	798	840	882	924	966	1008	N/A
*100	860	905	951	996	1042	1087	N/A
*125	724	769	815	860	906	951	N/A
*155	672	714	756	798	840	882	N/A
*175	791	840	890	939	989	1038	N/A
*200	680	711	742	773	804	835	N/A

Table PD-29 — Standard Motor And Low Static Drive Sheave/Fan Speed (RPM)

Unit Model No.	6Turns Open	5Turns Open	4Turns Open	3Turns Open	2Turns Open	1Turns Open	Closed
*175	588	630	672	714	756	798	N/A
*250	495	526	557	587	618	649	N/A

Table PD-30 — Oversized Motor and High Static Drive Sheave/Fan Speed (RPM)

Unit Model No.	6Turns Open	5Turns Open	4Turns Open	3Turns Open	2Turns Open	1Turns Open	Closed
*200	761	796	831	865	900	935	N/A

* Indicates both downflow and horizontal units

Performance Data

Table PD-31 — Static Pressure Drops Through Accessories — Pascals

Unit Model No.	Airflow m^3/h	Standard Filters	Economizer with OA/RA Dampers (1) 100% OA	100% RA	Electric Heater - Nom kW (2) 13-20	27	40	54
*063	2850	8	5	3	2	4	—	—
*063	3570	12	7	4	3	6	—	—
*063	4290	17	9	5	4	8	—	—
*073	3390	11	6	4	2	6	—	—
*073	4250	17	8	5	4	8	—	—
*073	5110	23	11	6	6	11	—	—
D085	3800	14	6	12	11	14	—	—
D085	4760	21	10	19	15	20	—	—
D085	5720	31	14	27	20	27	—	—
H085	3800	8	1	4	8	12	—	—
H085	4760	13	1	7	13	19	—	—
H085	5720	19	2	11	20	28	—	—
*089	3800	14	7	4	3	7	—	—
*089	4760	21	10	6	5	10	—	—
*089	5720	29	13	7	8	13	—	—
D100	4490	19	9	17	14	18	—	—
D100	5610	30	13	26	19	26	—	—
D100	6730	42	18	37	26	35	—	—
H100	4490	12	1	6	11	17	—	—
H100	5610	19	2	10	19	27	—	—
H100	6730	27	3	16	28	39	—	—
D125	5720	14	4	6	10	14	19	—
D125	7140	22	5	13	16	22	28	—
D125	8560	30	7	23	24	32	40	—
H125	5720	16	4	11	8	13	17	—
H125	7140	25	6	19	12	20	24	—
H125	8560	35	9	29	18	27	34	—
*155	6800	13	8	6	5	7	9	—
*155	8500	19	12	8	9	11	14	—
*155	10200	26	16	10	15	17	21	—
*175	7870	17	10	7	—	10	12	—
*175	9850	25	15	10	—	16	19	—
*175	11830	35	20	12	—	24	28	—
D200	8970	12	29	6	—	11	14	16
D200	11210	19	45	9	—	17	21	24
D200	13450	27	65	13	—	24	30	34
H200	8970	11	33	6	—	11	14	16
H200	11210	16	51	9	—	17	21	24
H200	13450	23	72	13	—	24	30	34
D250	9870	14	35	8	—	13	17	19
D250	13395	27	64	13	—	24	29	34
D250	16920	43	102	19	—	38	45	54
H250	9870	13	40	8	—	13	17	19
H250	13395	23	72	13	—	24	29	34
H250	16920	36	114	19	—	38	45	54

Notes:
1. OA = Outside Air and RA = Return Air
2. Nominal kW ratings are at 415V. Not all Heater sizes may be available.
* Indicates both downflow and horizontal units

Performance Data

Table PD-31a — Static Pressure Drops Through Accessories — In. H_2O

Unit Model No.	Airflow CFM	Standard Filters	Economizer with OA/RA Dampers (1) 100% OA	100% RA	Electric Heater - Nom kW (2) 5-14	16-27	33-41	45-54
*063	1680	0.03	0.02	0.01	0.01	0.02	—	—
*063	2100	0.05	0.03	0.02	0.01	0.02	—	—
*063	2520	0.07	0.03	0.02	0.02	0.03	—	—
*073	2000	0.05	0.02	0.01	0.01	0.02	—	—
*073	2500	0.07	0.03	0.02	0.02	0.03	—	—
*073	3000	0.09	0.05	0.02	0.03	0.04	—	—
D085	2200	0.05	0.02	0.05	0.04	0.05	—	—
D085	2800	0.09	0.04	0.07	0.06	0.08	—	—
D085	3400	0.13	0.06	0.11	0.08	0.11	—	—
H085	2200	0.03	0.00	0.02	0.03	0.05	—	—
H085	2800	0.05	0.01	0.03	0.05	0.08	—	—
H085	3400	0.08	0.01	0.05	0.08	0.11	—	—
*089	2200	0.05	0.03	0.02	0.01	0.03	—	—
*089	2800	0.08	0.04	0.02	0.02	0.04	—	—
*089	3400	0.12	0.06	0.03	0.03	0.05	—	—
D100	2700	0.08	0.04	0.07	0.06	0.08	—	—
D100	3300	0.12	0.05	0.10	0.08	0.10	—	—
D100	3900	0.16	0.07	0.14	0.10	0.14	—	—
H100	2700	0.05	0.01	0.03	0.05	0.07	—	—
H100	3300	0.07	0.01	0.04	0.08	0.11	—	—
H100	3900	0.10	0.01	0.06	0.11	0.15	—	—
D125	3400	0.06	0.02	0.02	0.04	0.06	0.08	—
D125	4200	0.09	0.02	0.05	0.07	0.09	0.11	—
D125	5000	0.12	0.03	0.09	0.10	0.12	0.16	—
H125	3400	0.07	0.02	0.05	0.03	0.05	0.07	—
H125	4200	0.10	0.03	0.08	0.05	0.08	0.10	—
H125	5000	0.14	0.03	0.11	0.07	0.11	0.13	—
*155	4000	0.05	0.03	0.02	0.02	0.03	0.04	—
*155	5000	0.08	0.05	0.03	0.04	0.05	0.06	—
*155	6000	0.11	0.06	0.04	0.06	0.07	0.08	—
*175	4700	0.07	0.04	0.03	0.03	0.04	0.05	—
*175	5800	0.10	0.06	0.04	0.05	0.06	0.08	—
*175	6900	0.14	0.08	0.05	0.08	0.10	0.11	—
D200	5200	0.05	0.11	0.03	—	0.04	0.06	0.06
D200	6600	0.07	0.18	0.04	—	0.07	0.09	0.10
D200	8000	0.11	0.26	0.05	—	0.10	0.12	0.14
H200	5200	0.04	0.13	0.03	—	0.04	0.06	0.06
H200	6600	0.07	0.20	0.04	—	0.07	0.09	0.10
H200	8000	0.09	0.30	0.05	—	0.10	0.12	0.14
D250	5810	0.06	0.14	0.03	—	0.05	0.07	0.08
D250	7885	0.11	0.26	0.05	—	0.10	0.12	0.14
D250	9960	0.17	0.41	0.08	—	0.15	0.18	0.22
H250	5810	0.05	0.16	0.03	—	0.05	0.07	0.08
H250	7885	0.09	0.29	0.05	—	0.10	0.12	0.14
H250	9960	0.14	0.46	0.08	—	0.15	0.18	0.22

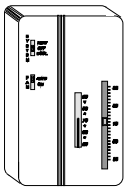
Notes:
1. OA = Outside Air and RA = Return Air
2. Nom kW ratings are at 415V. Not all Heater sizes may be available.
*Indicates both downflow and horizontal units

Controls

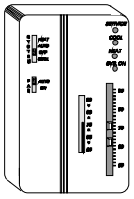
Field Installed Control Options

Zone Sensors are the building occupant's comfort control devices. They replace the conventional electro-mechanical thermostats. The following zone sensor options are available for Voyager units with the Micro control:

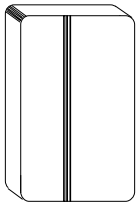
Manual Changeover — Heat, Cool or Off System Switch. Fan Auto or Off Switch. One temperature setpoint lever.



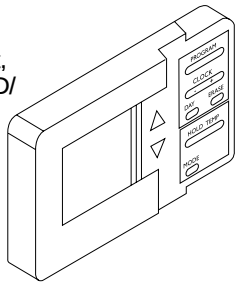
Manual/Automatic Changeover —Auto, Heat, Cool or Off System Switch. Fan Auto or Off Switch. Two temperature setpoint levers. Optional Status Indication LED lights, System On,Heat, Cool, or Service.



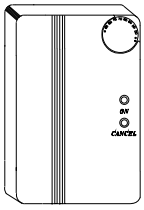
Remote Sensor — Sensor(s) available for all zone sensors to provide remote sensing capabilities.



Programmable Night Setback — Auto or manual changeover with seven-day programming. Keyboard selection of Heat, Cool, Fan, Auto, or On. All programmable sensors have System On, Heat, Cool, Service LED/ indicators as standard. Night Setback Sensors have one (1) Occupied, one (1) Un-occupied, and two (2) Override programs per day.

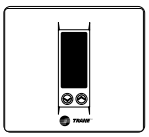


Integrated Comfort™ System — Sensor(s) available with optional temperature adjustment and override buttons to provide central control through a Trane Integrated Comfort™ system.

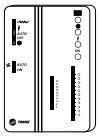


Room Thermostats

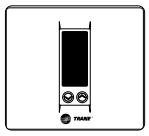
THS 01 Non programmable COOLING ONLY system with 2 stage electric heating. (CTI required)



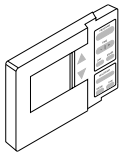
THS 03 Non programmable COOLING ONLY or REVERSIBLE system with electronic control and 2 stage electric heating.



THP 01 Programmable COOLING ONLY system with 2 stage electric heating. (CTI required)



THP 03 Programmable COOLING ONLY or REVERSIBLE system with electronic control and 2 stage electric heating.



Economizer Controls —The standard equipment offering is a fixed dry bulb changeover control. In addition, there are two optional controls, Enthalpy and Differential Enthalpy Control.

Enthalpy Control — Replaces the dry bulb control with a wet bulb changeover controller which has a fully adjustable set point. Enthalpy control offers a higher level of comfort control, along with energy savings potential, than the standard dry bulb control. This is dueto the additional wet bulb sensing capability.

Comparative Enthalpy — Replaces the standard dry bulb control with two enthalpy sensors that compare total heat content of the indoor air and outdoor air to determine the most efficient air source. This control option offers the highest level of comfort control, plus energy efficiency, available.

Remote Potentiometer — Minimum position setting of economizer can be remotely adjusted with this accessory.

Trane Communication Interface (TCI) — This micro-processor interface allows the unit to communicate to Trane's Integrated Comfort™ system.

Conventional Thermostat Interface (CTI) —This option will allow the Micro units to interface with most conventional electro-mechanical thermostats.

Differential Pressure Switches — This option allows individual fan failure and dirty filter indication. The fan failure switch will disable all unit functions and "flash" the Service LED on the zone sensor. The dirty filter switch will light the Service LED on the zone sensor and will allow continued unit operation.

Input / Output Expansion Accessory — This option allows Integrated Comfort™ Sytems to read Supply Air Temperature, Return Air Temperature, Return Air Humidity, and direct indication of fan failure without the use of an economizer or motorized outside air accessory.

Electronic Time Clock —This accessory allows up to 4 units night set-back and unoccupied functions when using a standard (Dual Setpoint) zone sensor module.

Electrical Data

Table ED-1 — Auxiliary Electric Heat Capacity

Unit Model No.	Total heater kW (1) (2)	No. of Stages	Stage 1 heater kW (1)	Stage 2 heater kW (1)
*063CD	6.8	1	6.8	-
*073CD	13.4	1	13.4	-
*073DD	20.2	2	13.4	6.8
*089CD	26.9	2	13.4	13.4
*085CD	13.4	1	13.4	-
*100CD	26.9	2	13.4	13.4
*125CD	13.4	1	13.4	-
*155BD	26.9	2	13.4	13.4
*175CD	26.9	2	13.4	13.4
	40.3	2	26.9	13.4
*200BD	26.9	2	13.4	13.4
*250BD	40.3	2	26.9	13.4
	53.8	2	26.9	26.9

Notes:
1. Heaters are rated at 415 V. For other than rated voltage, apply the following formula - kW = (Required Voltage / 415)^2 x Rated kW.
2. Not all Heater Models are available.
3. To calculate temperature rise across the electric heat use the following formulas:

$$\text{Temp Rise Across Electric Heater - °C} = \frac{2982 * \text{Heater Capacity (kW)}}{\text{Airflow (m}^3\text{/h)}}$$

$$\text{Temp Rise Across Electric Heater - °F} = \frac{3160 * \text{Heater Capacity (kW)}}{\text{Airflow (cfm)}}$$

Table ED-2 — Electric Heater Voltage Correction Factors (Apply to Auxiliary Electric Heat Capacity)

Nominal Voltage	Distribution Voltage	Capacity Multiplier
415	380	0.84
	400	0.93
	415	1.00

Table ED-3—TC Unit Wiring

Unit Model	Voltage	Standard Indoor Fan Motor - MCA	Oversize Indoor Fan Motor - MCA
TC*063CD	380-415	18.0	19.2
TC*073CD	380-415	21.0	22.2
TC*073DD	380-415	21.0	22.2
TC*085CD	380-415	29.0	30.4
TC*089CD	380-415	25.0	—
TC*100CD	380-415	34.0	36.8
TC*125CD	380-415	32.0	34.8
TC*155BD	380-415	37.0	39.8
TC*175CD	380-415	47.0	50.4
TC*200BD	380-415	53.0	56.4
TC*250BD	380-415	57.0	—

Table ED-3a — TK Unit Wiring

		Unit Amps	
Unit Model	Voltage	Standard Indoor Fan Motor	Oversize Indoor Fan Motor
TK*063CD	380-415	16.1	17.3
TK*073CD	380-415	19.9	21.1
TK*073DD	380-415	18.5	19.7
TK*085CD	380-415	20.6	21.5
TK*089CD	380-415	26.1	—
TK*100CD	380-415	23.8	25.7
TK*125CD	380-415	27.5	29.4
TK*155BD	380-415	35.0	36.9
TK*175CD	380-415	41.0	41.9
TK*200BD	380-415	44.0	44.5
TK*250BD	380-415	46.4	—

Electrical Data

Table ED-4—TC - Unit Wiring With Electric Heat (Single Point Connection)

Unit Model To Use With	Heater kW Rating	Unit Supply Power	Control Stages	Standard Indoor Motor MCA	Oversized Motor MCA
TC*063CD	5.6-6.7	380-415/50/3	1	25-25	26-26
TC*063CD	11.3-13.5	380-415/50/3	1	26-28	27-29
TC*063CD	16.9-20.2	380-415/50/3	1	37-40	38-41
TC*063CD	22.6-26.9	380-415/50/3	1	48-52	49-52
TC*073CD	5.6-6.7	380-415/50/3	1	25-25	26-26
TC*073CD	11.3-13.5	380-415/50/3	1	26-28	27-29
TC*073CD	16.9-20.2	380-415/50/3	1	37-40	38-41
TC*073CD	22.6-26.9	380-415/50/3	1	48-52	49-52
TC*073DD	5.6-6.7	380-415/50/3	1	25-25	26-26
TC*073DD	11.3-13.5	380-415/50/3	1	26-28	27-29
TC*073DD	16.9-20.2	380-415/50/3	1	37-40	38-41
TC*073DD	22.6-26.9	380-415/50/3	1	48-52	49-52
TC*085CD	11.3-13.5	380-415/50/3	1	29-29	31-31
TC*085CD	22.6-26.9	380-415/50/3	2	48-52	49-53
TC*089CD	5.6-6.7	380-415/50/3	1	25-25	—
TC*089CD	11.3-13.5	380-415/50/3	1	26-28	—
TC*089CD	16.9-20.2	380-415/50/3	1	37-40	—
TC*089CD	22.6-26.9	380-415/50/3	1	48-52	—
TC*100CD	11.3-13.5	380-415/50/3	1	30-30	31-31
TC*100CD	22.6-26.9	380-415/50/3	2	48-52	49-53
TC*125CD	11.3-13.5	380-415/50/3	1	32-32	35-35
TC*125CD	22.6-26.9	380-415/50/3	2	49-53	53-57
TC*125CD	33.8-40.4	380-415/50/3	2	71-77	74-80
TC*155BD	11.3-13.5	380-415/50/3	1	37-37	40-40
TC*155BD	22.6-26.9	380-415/50/3	2	49-53	53-57
TC*155BD	33.8-40.4	380-415/50/3	2	71-77	74-80
TC*175CD	22.6-26.9	380-415/50/3	2	53-57	54-61
TC*175CD	33.8-40.4	380-415/50/3	2	74-80	79-84
TC*200BD	22.6-26.9	380-415/50/3	2	53-57	59-61
TC*200BD	33.8-40.4	380-415/50/3	2	74-80	79-89
TC*200BD	45.1-53.8	380-415/50/3	2	96-104	100-108
TC*2508D	22.6-26.9	380-415/50/3	2	57-61	—
TC*250BD	33.8-40.4	380-415/50/3	2	79-84	—
TC*250BD	45.1-53.8	380-415/50/3	2	100-108	—

* Note - All units to be installed under local codes.

Table ED-4a—TK - Unit Wiring With Electric Heat (Single Point Connection)

Unit Model To Use With	Heater kW Rating (1)	Unit Supply Power (2)	Control Stages	Unit Amps	
				Standard Indoor Motor	Oversized Motor
TK*063CD	20.2	380-415/50/3	1	36.6	38.1
TK*073CD	20.2	380-415/50/3	1	36.6	38.1
TK*073DD	20.2	380-415/50/3	1	36.6	38.1
TK*085CD	26.9	380-415/50/3	2	49.5	50.6
TK*089CD	20.2	380-415/50/3	1	39.3	—
TK*100CD	26.9	380-415/50/3	2	50.6	53.0
TK*125CD	26.9	380-415/50/3	2	50.6	53.0
TK*155BD	26.9	380-415/50/3	2	50.6	53.0
TK*175CD	26.9	380-415/50/3	2	53.0	54.1
TK*200BD	40.3	380-415/50/3	2	75.3	75.9
TK*250BD	40.3	380-415/50/3	2	76.4	—

Notes:
1.) Heaters are rated at 415 V. For other than rated voltage, apply the following formula - kW = (Required Voltage / 415)^2 x Rated kW.
2.) Heaters are rated in accordance with IEC 335-2-40
* Note - All units to be installed under local codes.

Electrical Data

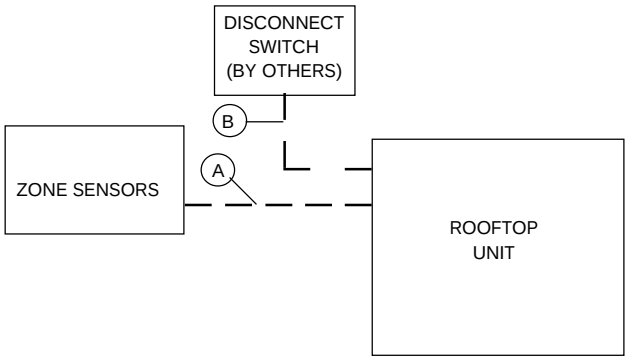
Table ED-5— Electrical Characteristics - Evaporator Fan Motor - 50 Cycle

		Standard Evap. Motor							Oversize Evap. Motor						
Model	No. Motors	Volts	Ph	Watts	FLA	LRA	Service Factor	No. Motors	Volts	Ph	Watts	FLA	LRA	Service Factor
*063CD	1	380-415	3	750	2.4	16.0	1.50	1	380-415	3	1100	3.6	55	1.25
*073CD	1	380-415	3	750	2.4	16.0	1.50	1	380-415	3	1100	3.6	55	1.25
*073DD	1	380-415	3	750	2.4	16.0	1.50	1	380-415	3	1100	3.6	55	1.25
*085CD	1	380-415	3	1100	3.7	25.3	1.15	1	380-415	3	1500	4.6	36.4	1.15
*089CD	1	380-415	3	1500	4.6	36.4	1.15	—	—	—	—	—	—	—
*100CD	1	380-415	3	1500	4.6	36.4	1.15	1	380-415	3	2200	6.5	57	1.15
*125CD	1	380-415	3	1500	4.6	36.4	1.15	1	380-415	3	2200	6.5	57	1.15
*155BD	1	380-415	3	1500	4.6	36.4	1.15	1	380-415	3	2200	6.5	57	1.15
*175CD	1	380-415	3	2200	6.5	57.0	1.15	1	380-415	3	3700	7.4	71.9	1.15
*200BD	1	380-415	3	2200	6.5	57.0	1.15	1	380-415	3	3700	7.0	65.1	1.15
*250BD	1	380-415	3	3700	7.4	71.9	1.15	—	—	—	—	—	—	—

Table ED-6— Electrical Characteristics - Compressor Motor and Condenser Motor - 50 Cycle

		Compressor						Condenser Fan Motors					
Model	No. Motors	Volts	Ph	Watts	RLA	LRA	No. Motors	Ph	Volts	Watts	FLA	LRA	Service Factor
*063CD	1	380-415	3	5600	9.2	64.0	1	1	380-415	370	2.2	5.4	1
*073CD	1	380-415	3	7000	12.2	79.0	1	1	380-415	370	2.2	5.4	1
*073DD	2	380-415	3	3600/3100	6.6/5.6	51.0/51.0	1	1	380-415	370	2.2	5.4	1
*085CD	2	380-415	3	3800/3700	6.5/6.5	71.0/71.0	1	1	380-415	560	2.3	5.8	1
*089CD	1	380-415	3	8300	15.5	90.0	1	1	380-415	370	2.2	5.4	1
*100CD	2	380-415	3	4700/3700	8.3/6.5	71.0/71.0	1	1	380-415	560	2.3	5.8	1
*125CD	2	380-415	3	5200/5200	9.1/9.2	74.0/74.0	1	1	380-415	560	2.3	5.8	1
*155BD	2	380-415	3	8300/4200	15.0/8.5	118.0/65.5	2	1	380-415	250	1.6	3.8	1
*175CD	2	380-415	3	8400/5700	15.3/10.8	118.0/101.0	2	1	380-415	560	2.3	5.8	1
*200BD	2	380-415	3	8000/8000	14.6/14.7	118.0/118.0	2	1	380-415	560	2.3	5.8	1
*250BD	2	380-415	3	8500/8500	15.3/15.3	118.0/118.0	2	1	380-415	560	2.3	5.8	1

Jobsite Connections



Zone Sensors — Typical Number Of Wires

A — Manual Changeover 4
Manual/Auto Changeover 5
Manual/Auto Changeover with Status Indication LED's 10
Programmable Night Setback with Status Indication LED's 7

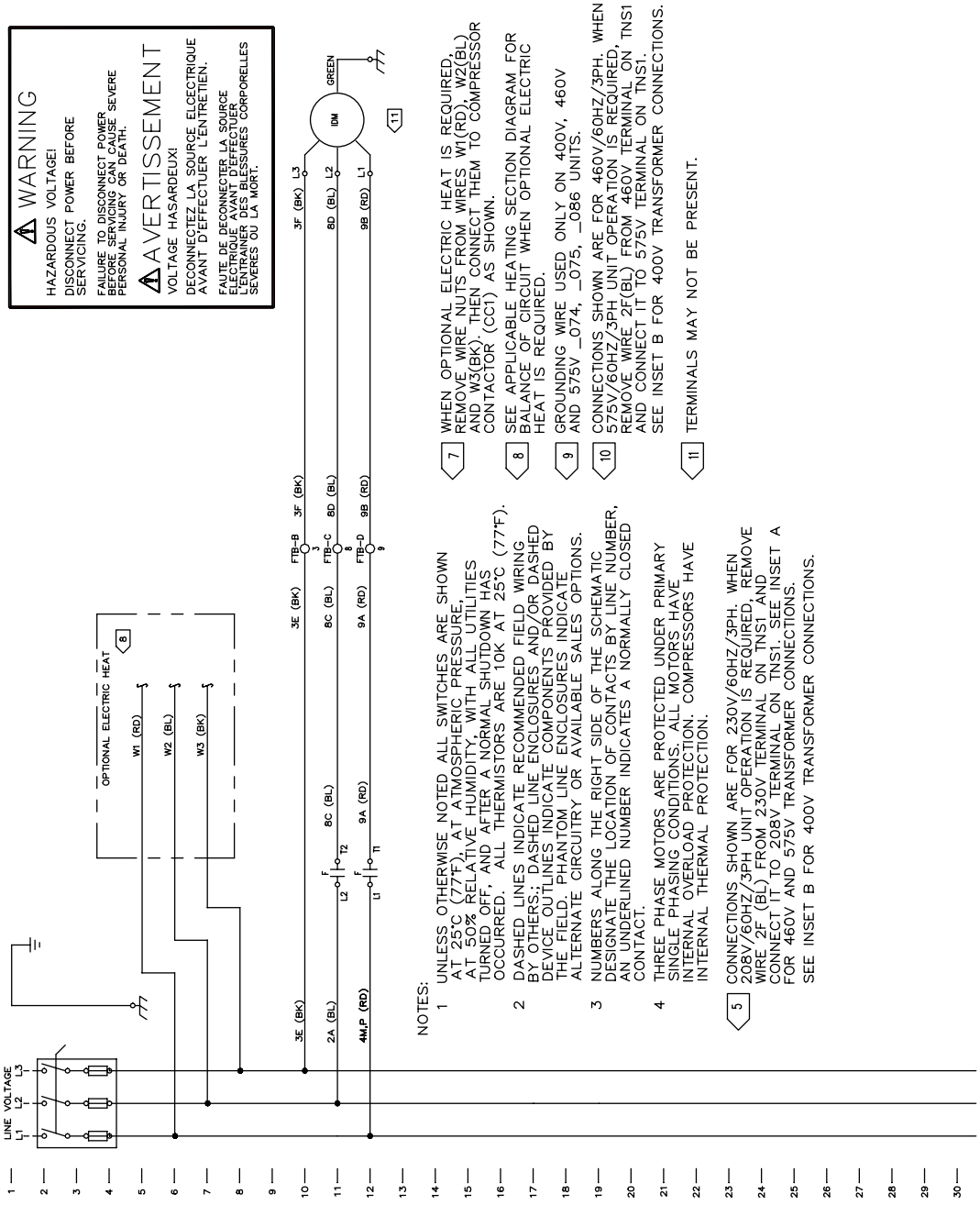
B — 3 Power Wires + 1 Ground Wire

For specific wiring information, see the installation instructions.
All wiring except power wires is low voltage.
All customer supplied wiring to be copper and must conform to national and local electrical codes. Wiring shown dotted is to be furnished and installed by the customer.

NOTE:
1. Conventional Thermostat Interface - CTI is an option that is required to operate all Voyager units with a conventional thermostat. For accurate wiring requirements, refer to wiring instructions provided with the unit.

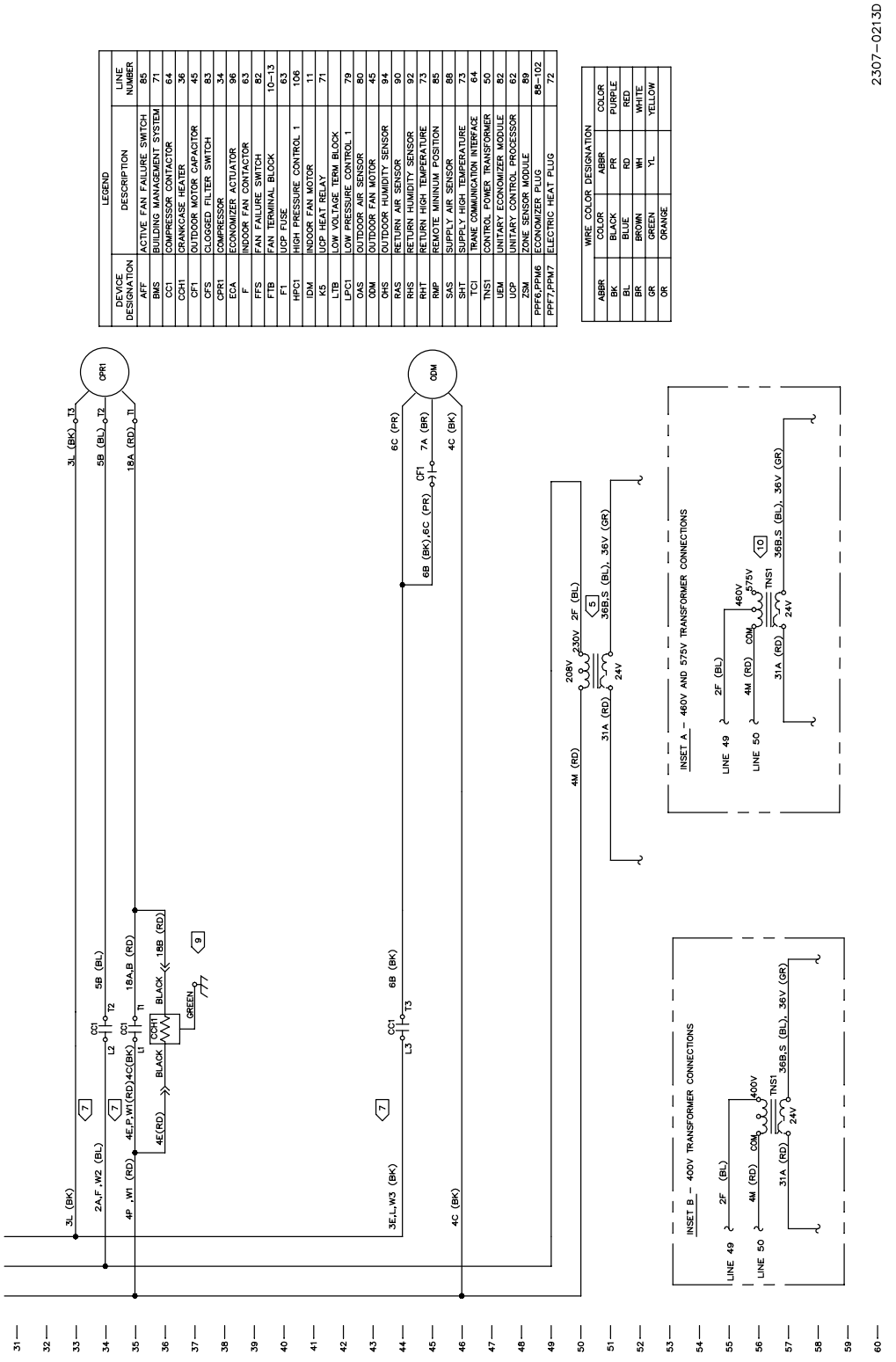
Typical Wiring

TC*063C-089C Except TC*085C



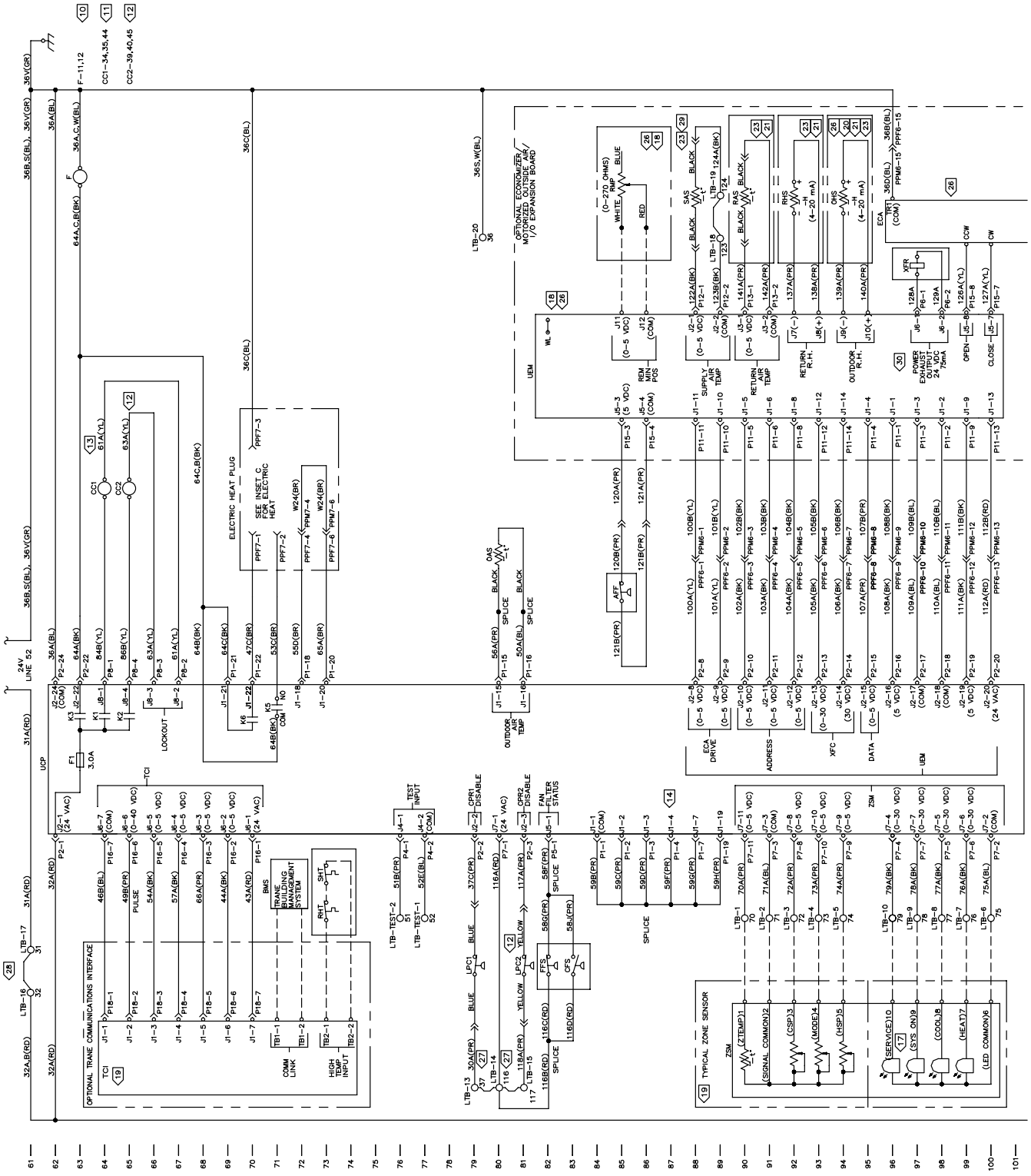
Typical Wiring

TC*063C-089C Except TC*085C



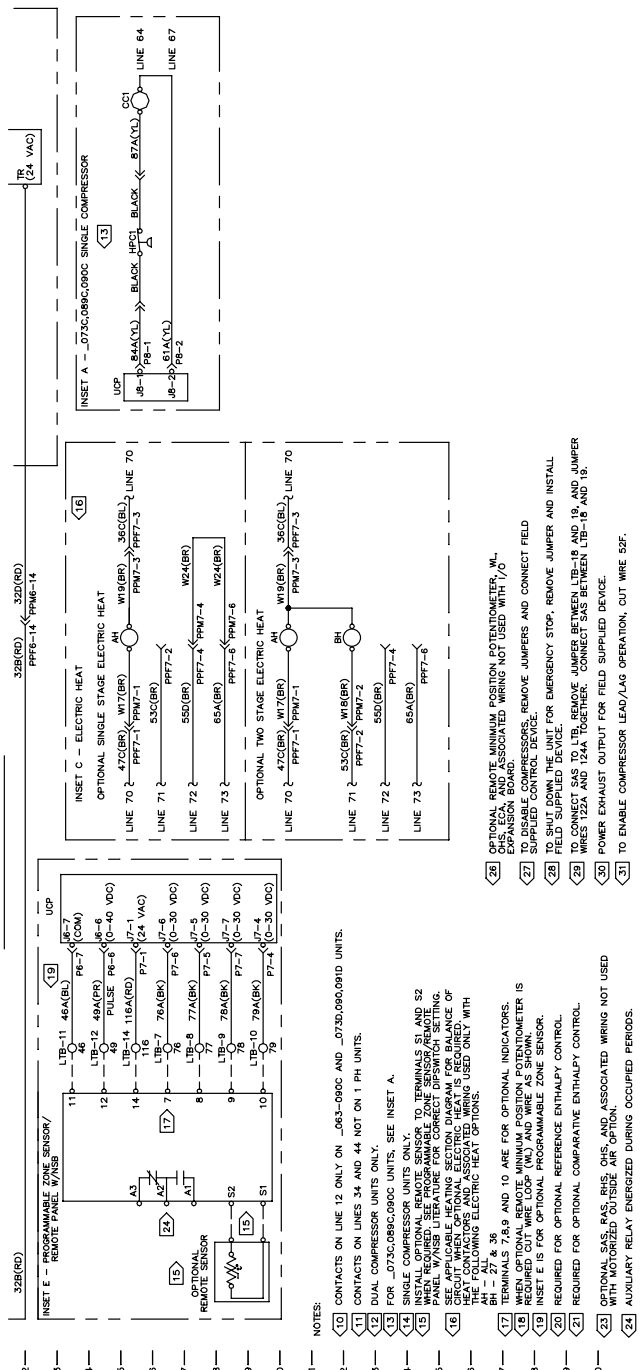
Typical Wiring

TC*063C-089C Except TC*085C



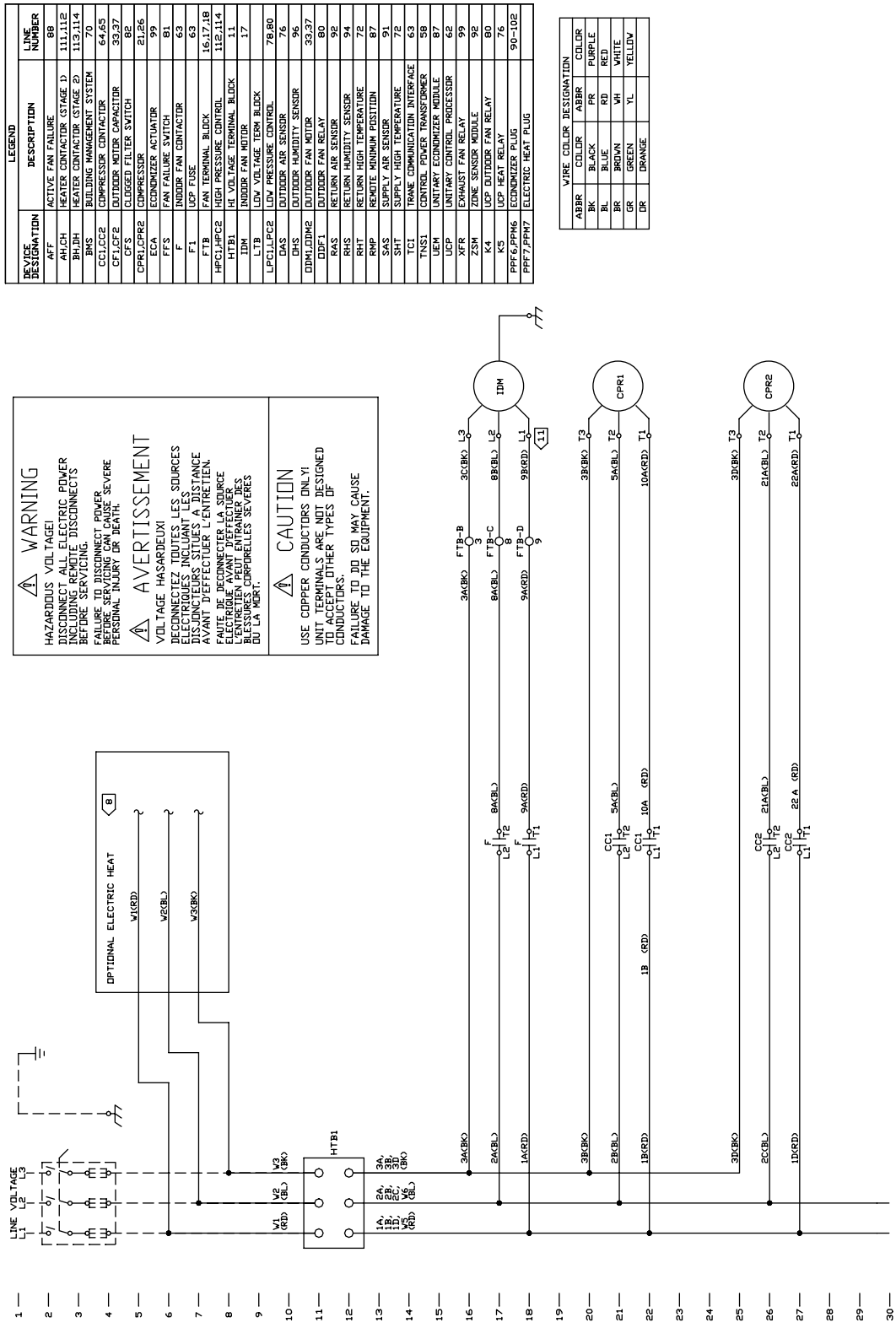
Typical Wiring

TC*063C-089C Except TC*085C

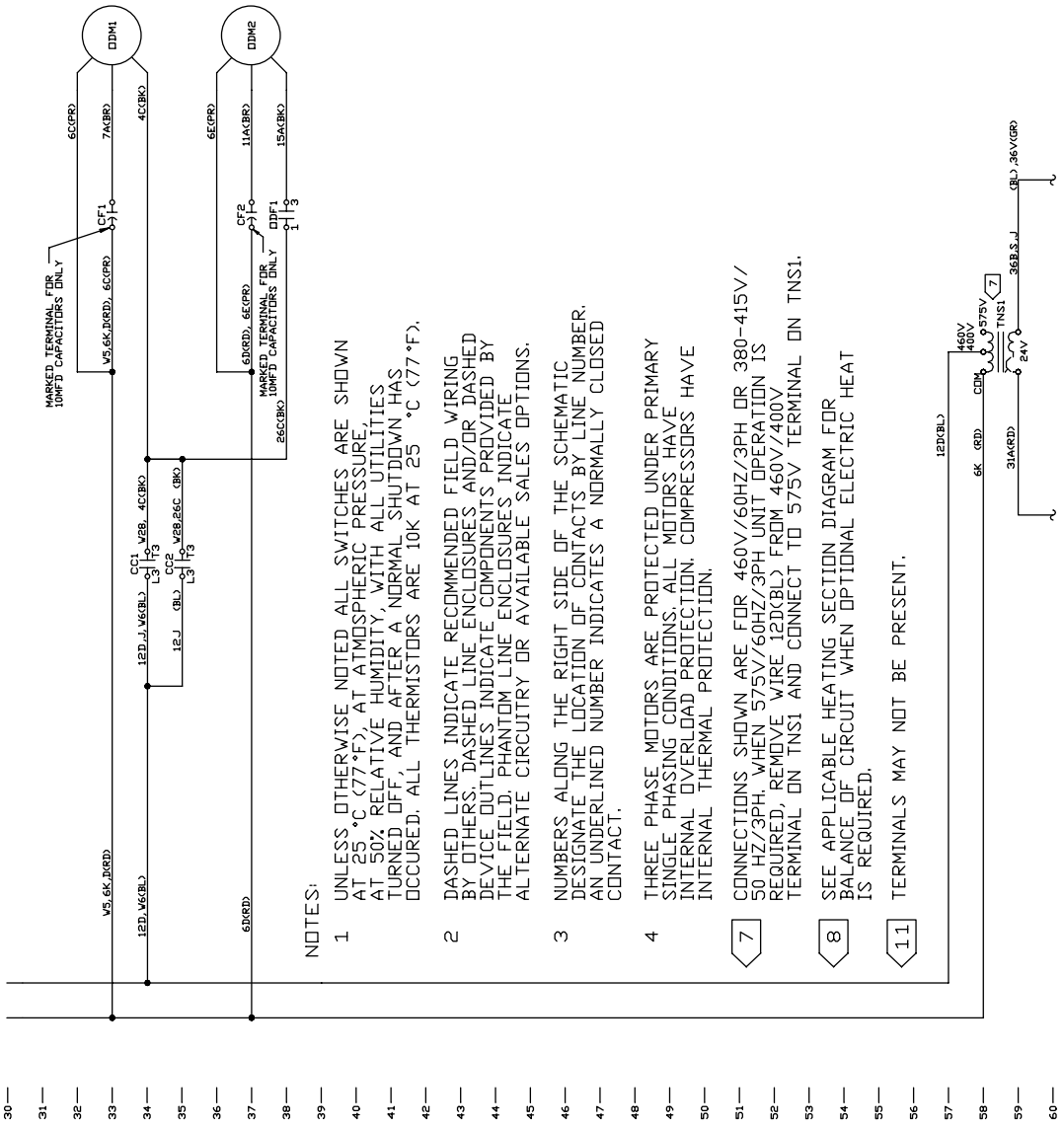


Typical Wiring

TC*100C-250B

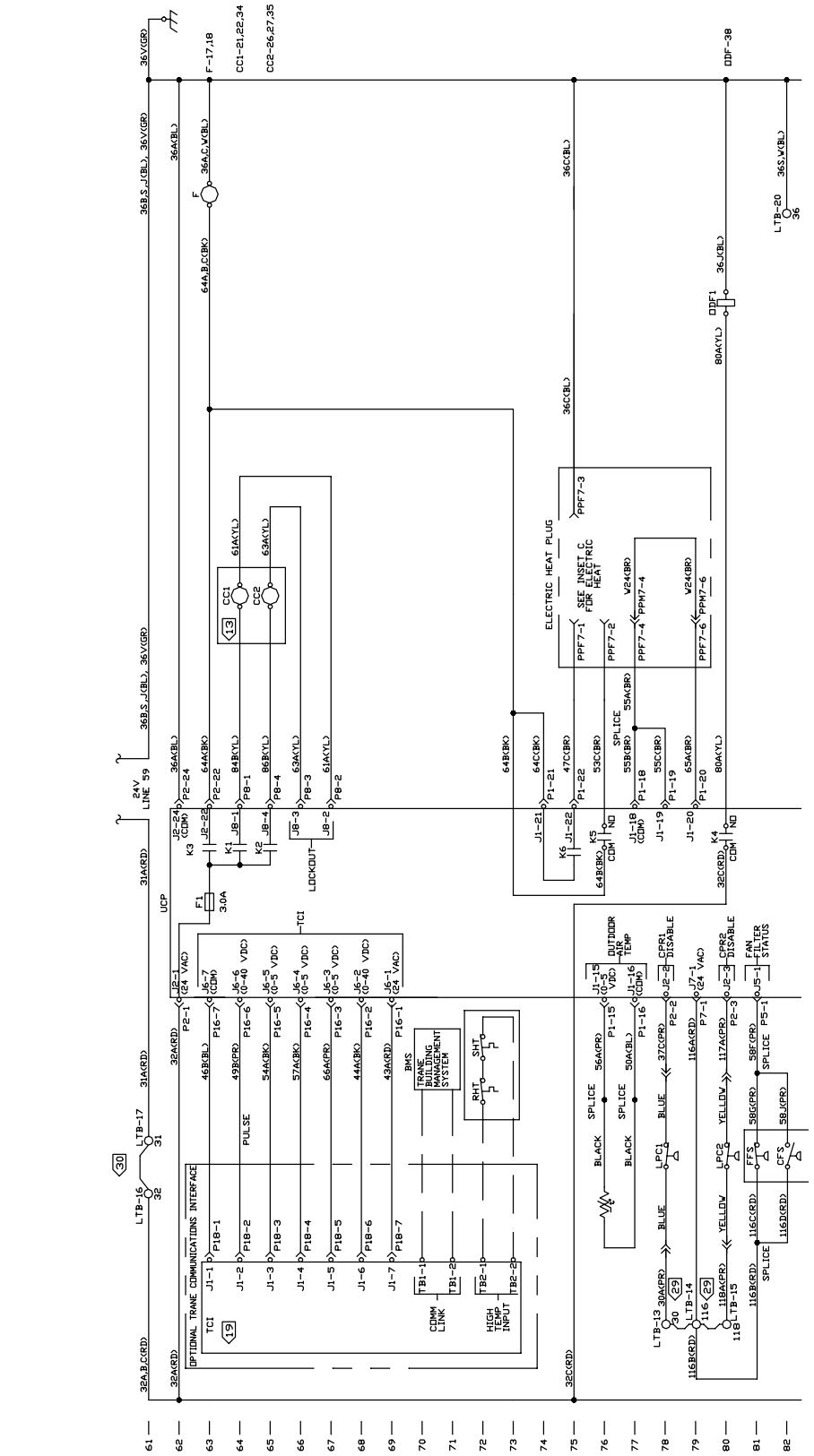


Typical Wiring

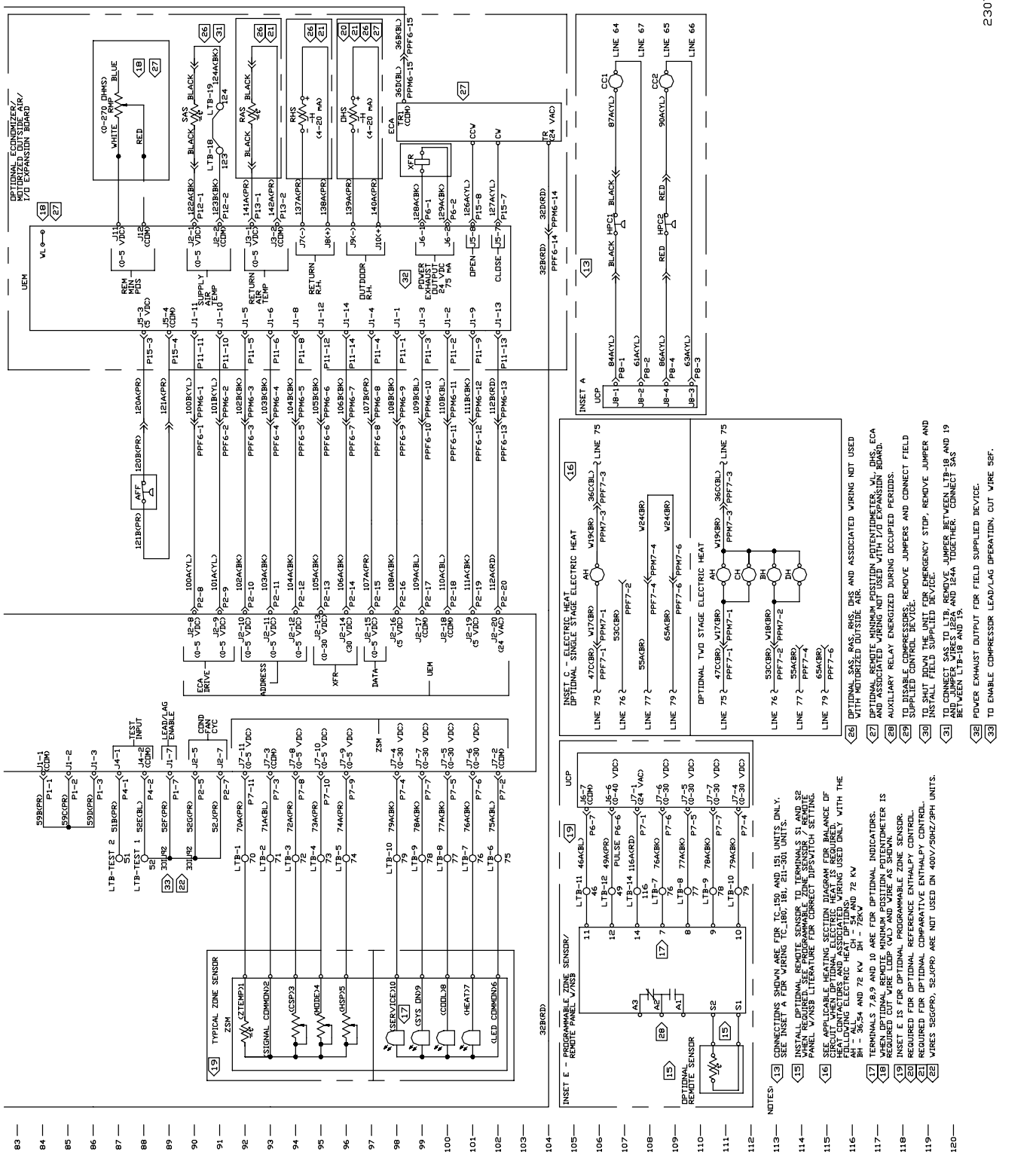


Typical Wiring

TC*100C-250B



Typical Wiring

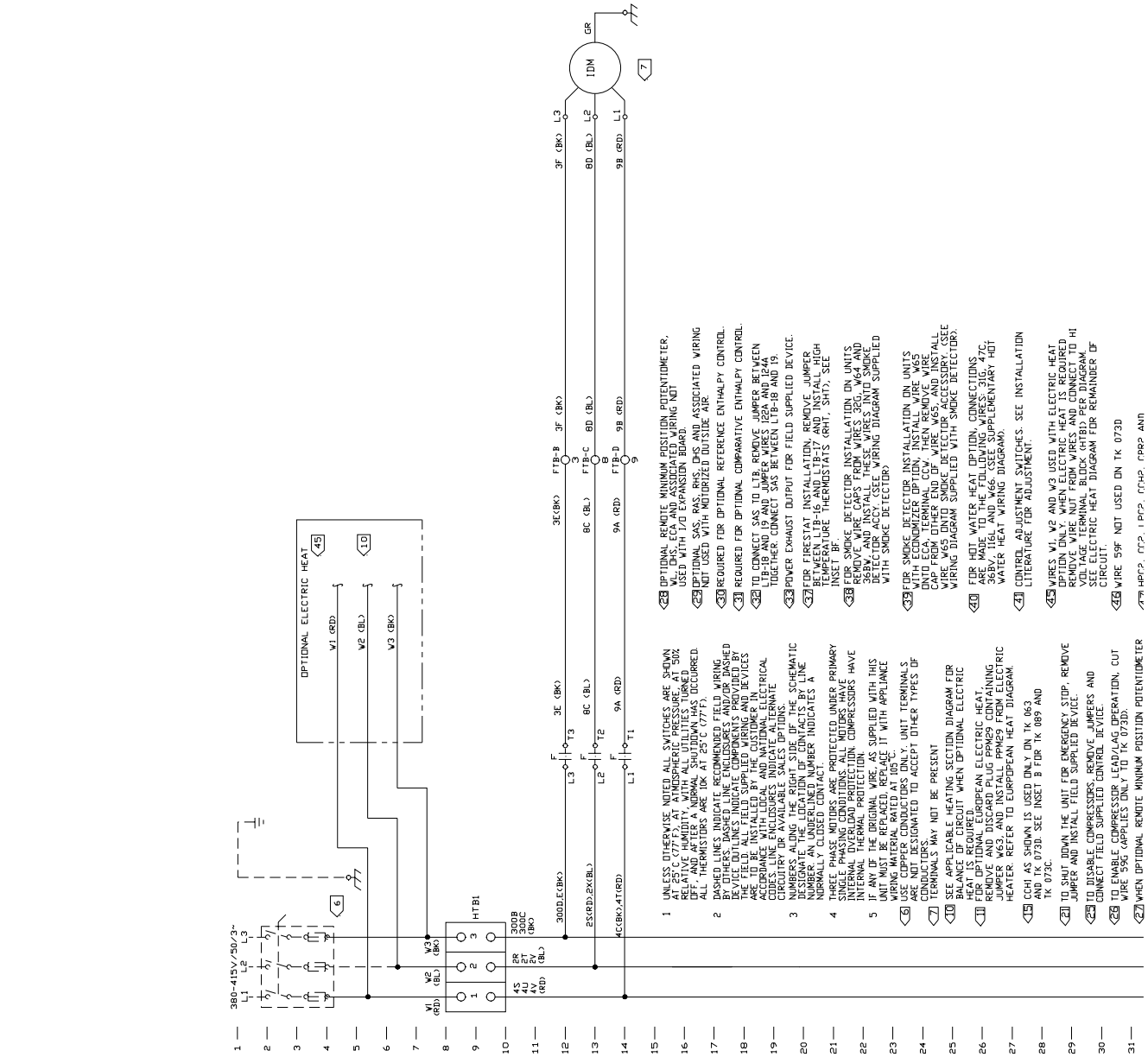


2307-4375

Typical Wiring

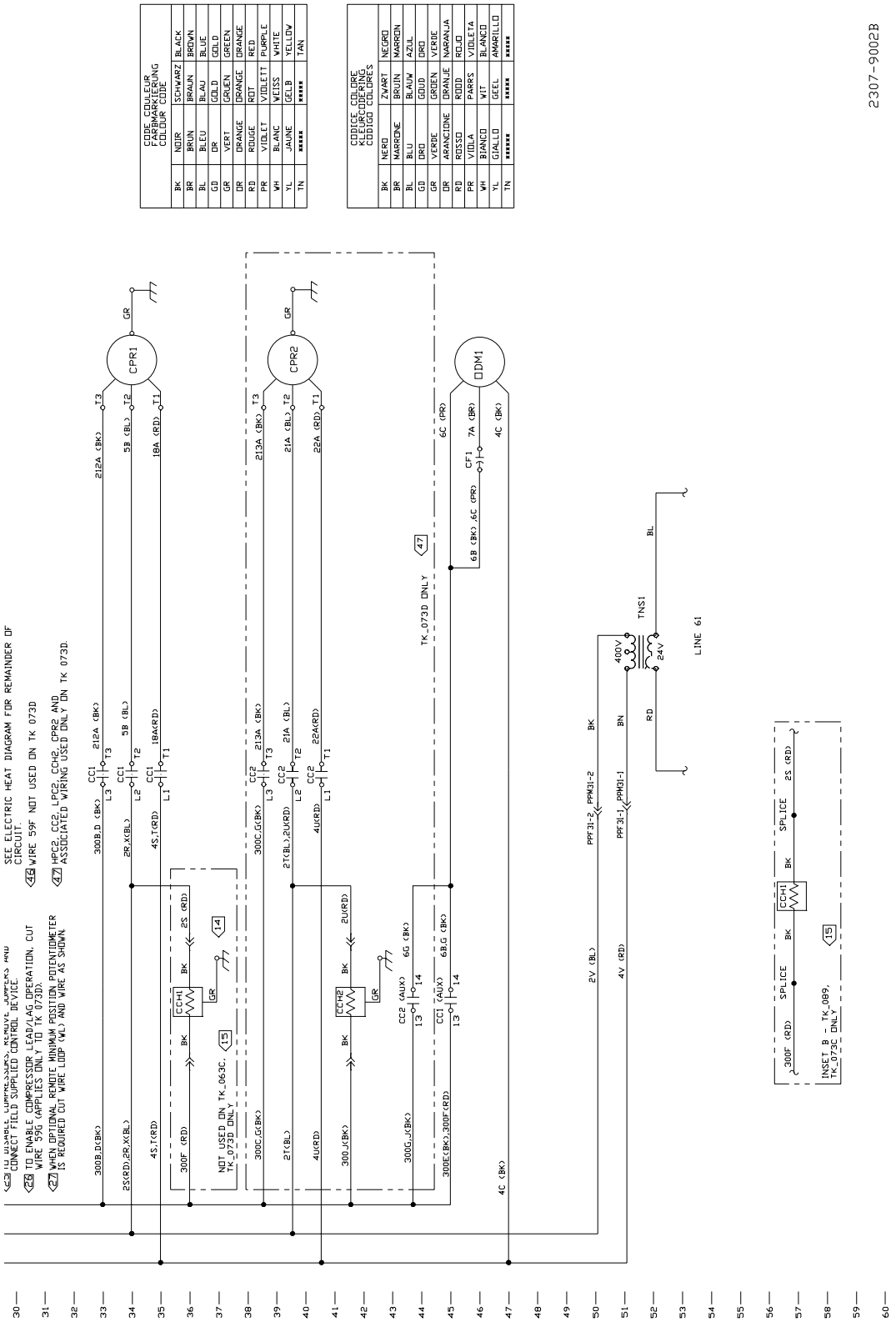
TK*063C-089C Except TK*085C

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
AFF	ACTIVE FAN FAILURE SWITCH	85
CC1,CC2	COMPRESSOR CONTACTOR	64,65
CCH1,CCH2	CRANKCASE HEATER	36,41
CF1	OUTDOOR MOTOR CAPACITOR	45
CFS	CLOGGED FILTER SWITCH	83
CPR1,CPR2	COMPRESSOR	34,39
AH	HEATER CONTACTOR (STAGE2)	107,112
BH	HEATER CONTACTOR (STAGE1)	114
ECA	ECONOMIZER ACTUATOR	96
F	INDOOR FAN CONTACTOR	63
FFS	FAN FAILURE SWITCH	82
FTB	FAN TERMINAL BLOCK	10-13
F1	UCP FUSE	63
GTB1	GROUND TERMINAL BLOCK	
XTB1	NEUTRAL TERMINAL BLOCK	
HPC1	HIGH PRESSURE CONTROL 1	106
HTB1	HIGH VOLTAGE TERMINAL BLOCK	9
IDM	INDOOR FAN MOTOR	11
K5	UCP HEAT RELAY	71
LTB	LOW VOLTAGE TERM BLOCK	
LPC1	LOW PRESSURE CONTROL 1	79
LPC2	LOW PRESSURE CONTROL 2	81
OAS	OUTDOOR AIR SENSOR	80
ODM1	OUTDOOR FAN MOTOR	45
OHS	OUTDOOR HUMIDITY SENSOR	94
RAS	RETURN AIR SENSOR	90
RHS	RETURN HUMIDITY SENSOR	92
RHT	RETURN HIGH TEMPERATURE	73
RMP	REMOTE MINIMUM POSITION	85
SAS	SUPPLY AIR SENSOR	88
SHT	SUPPLY HIGH TEMPERATURE	73
TNS1	CONTROL POWER TRANSFORMER	50
UEM	UNITARY ECONOMIZER MODULE	82
UCP	UNITARY CONTROL PROCESSOR	62
XFR	EXHAUST FAN RELAY	97
PPF6,PPM6	ECONOMIZER PLUG	88-102
PPF7,PPM7	ELECTRIC HEAT PLUG	72
PPF27,PPM27	CONTROL TRANSFORMER PLUG	61
PPF29,PPM29	EUROPEAN ELECTRIC HEAT PLUG	62,69
PPF31,PPM31	CONTROL TRANSFORMR PLUG	50



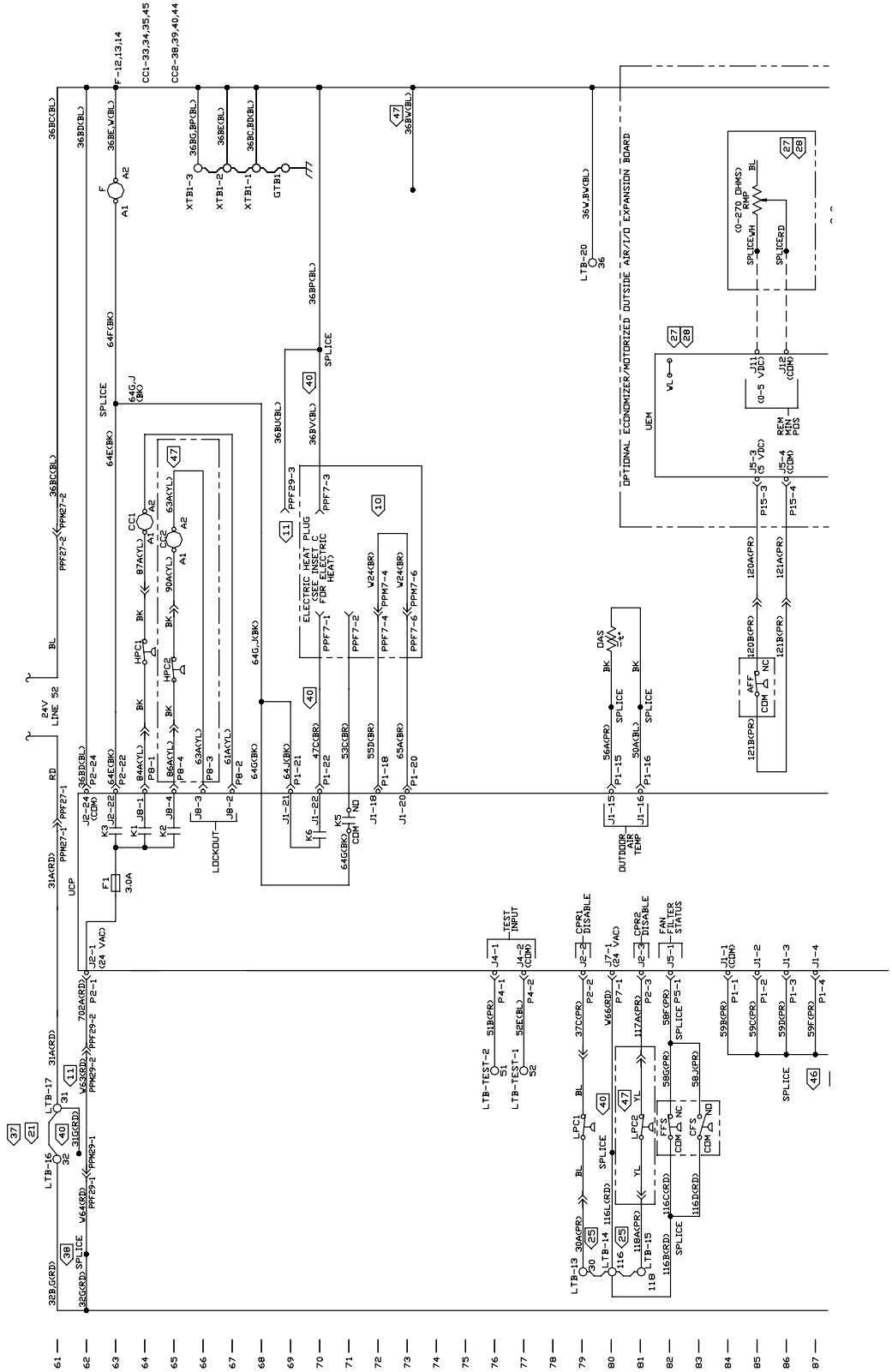
Typical Wiring

TK*063C-089C Except TK*085C



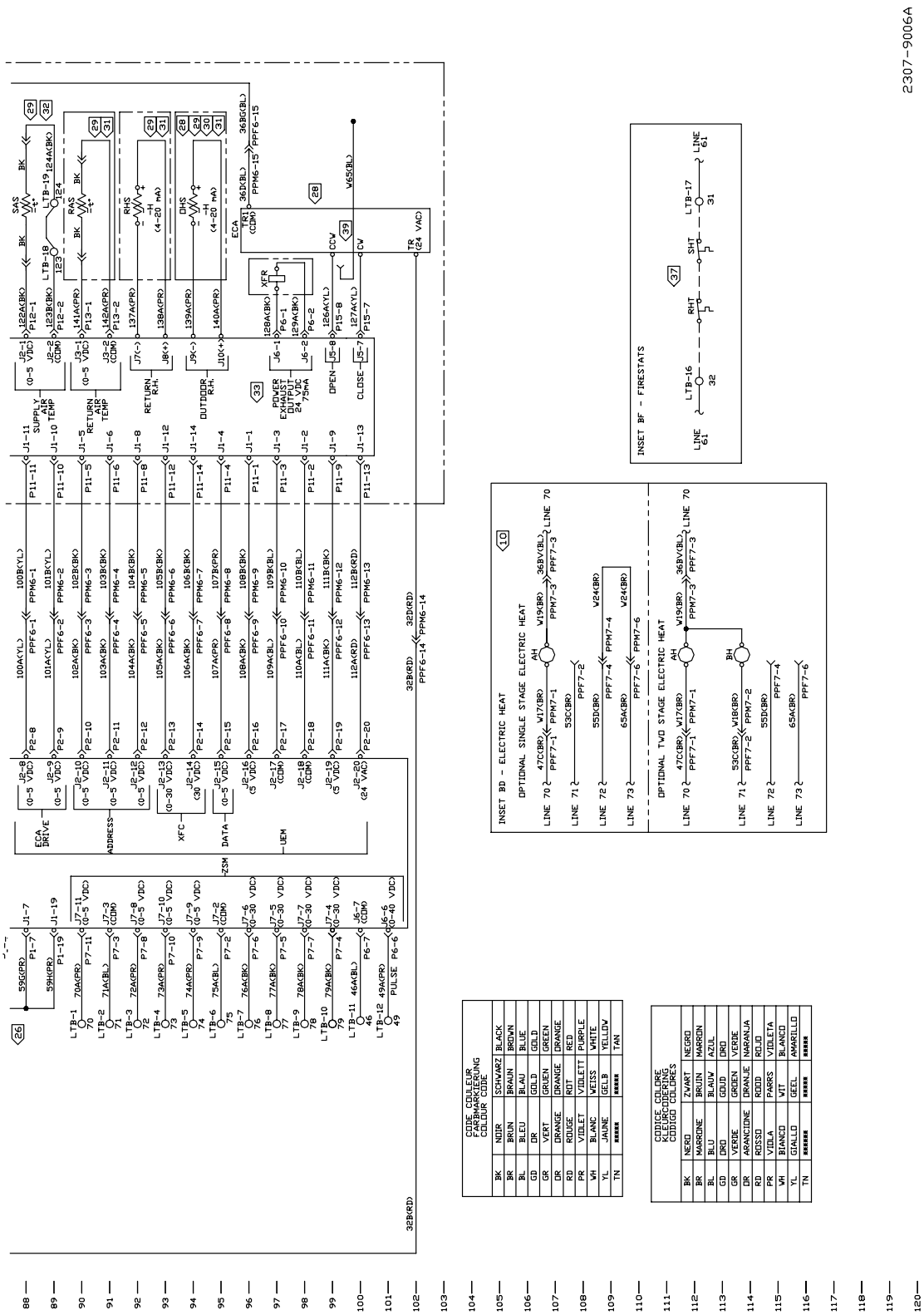
Typical Wiring

TK*063C-089C Except TK*085C



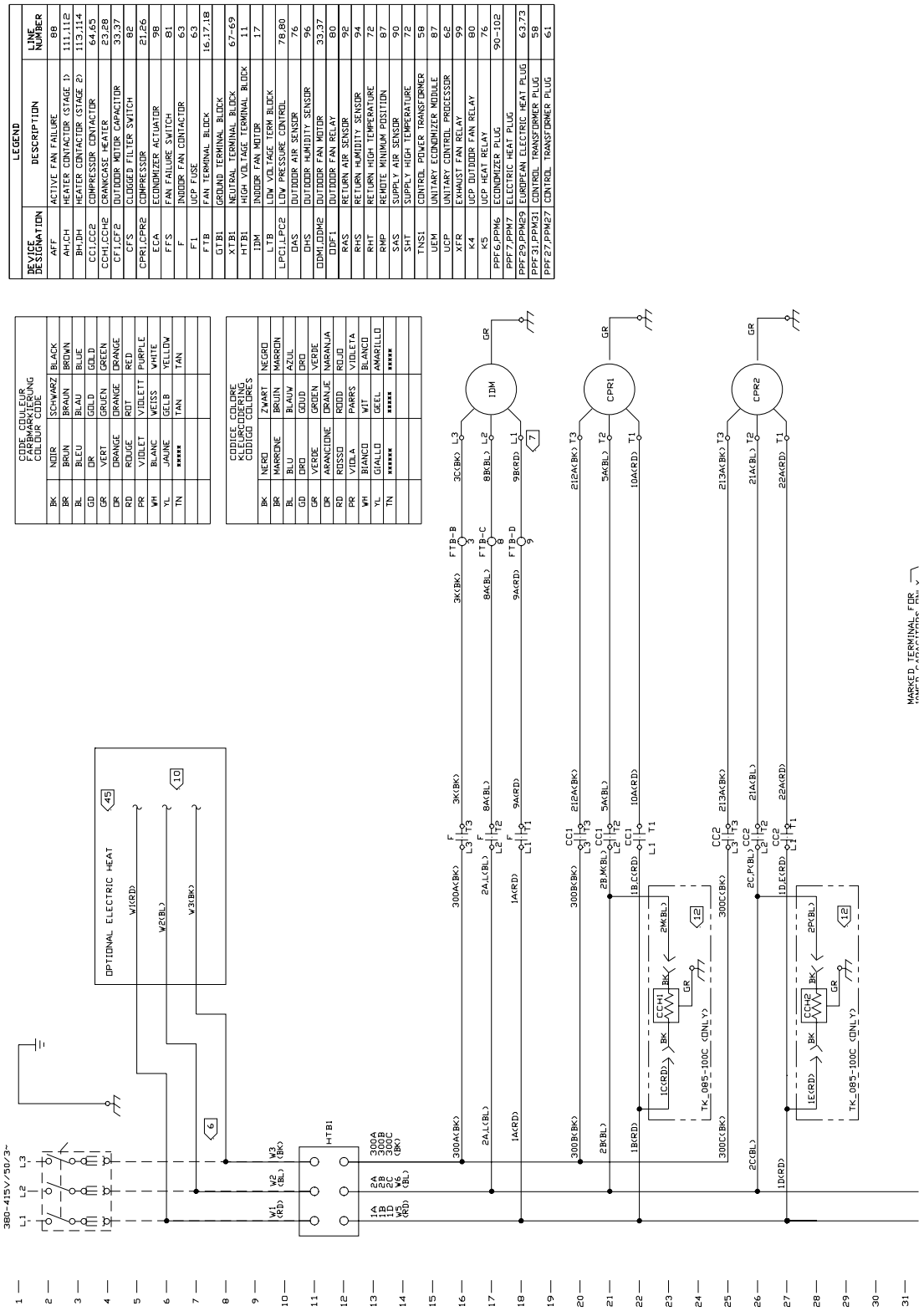
Typical Wiring

TK*063C-089C Except TK*085C

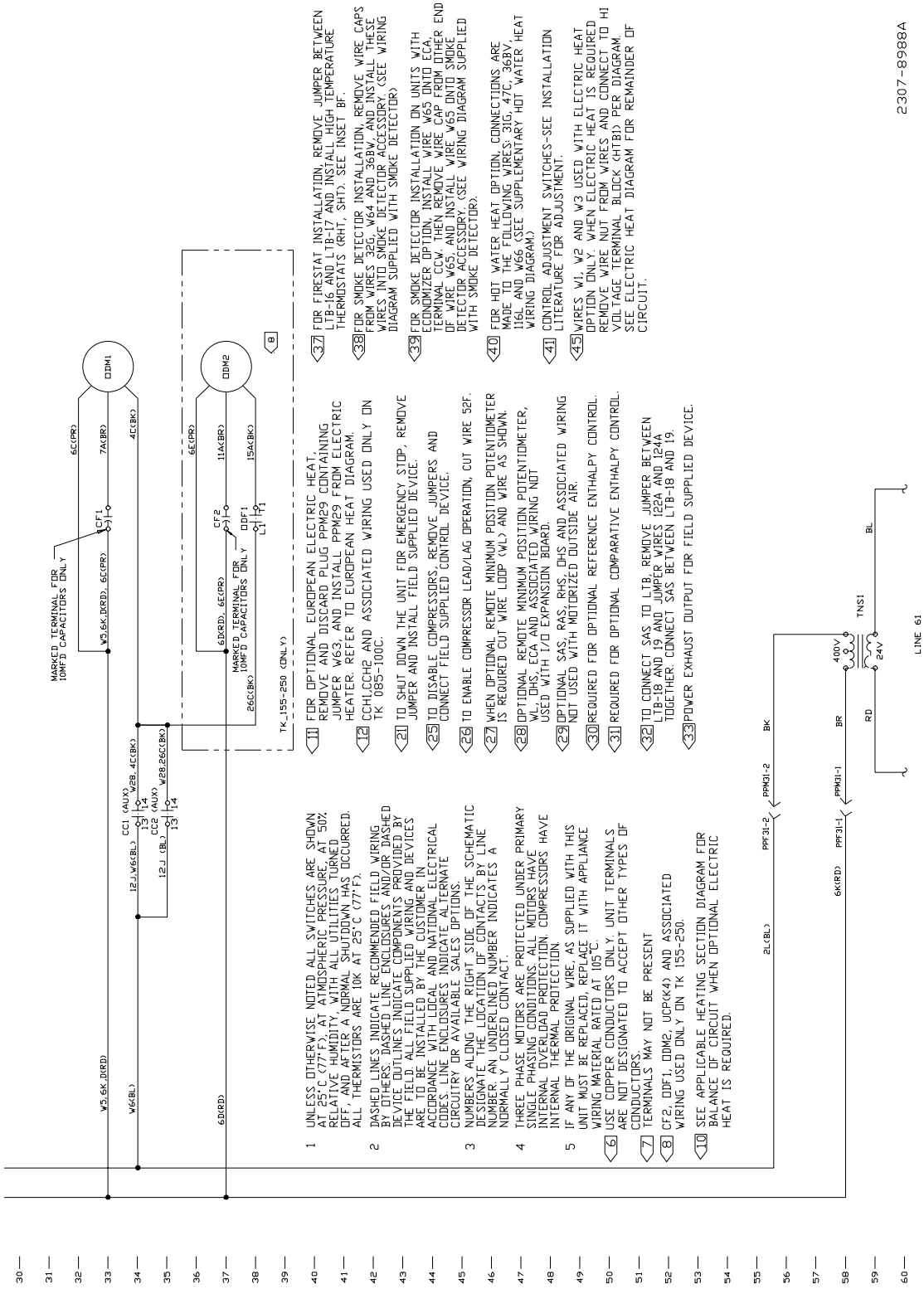


Typical Wiring

TK*100C-250B



Typical Wiring



1 UNLESS OTHERWISE NOTED ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED. ALL THERMISTORS ARE 10K AT 25°C (77°F).

2 DASHED LINES INDICATE RECOMMENDED FIELD WIRING. BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. ALL FIELD SUPPLIED WIRING AND DEVICES ARE TO BE INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.

3 NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.

4 THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.

5 IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.

6 USE COPPER CONDUCTORS ONLY. UNIT TERMINALS ARE NOT DESIGNATED TO ACCEPT OTHER TYPES OF CONDUCTORS.

7 TERMINALS MAY NOT BE PRESENT

8 CF2, DDF1, DDM2, UCPK(K4) AND ASSOCIATED WIRING USED ONLY ON TK 155-250.

10 SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED.

11 FOR OPTIONAL EUROPEAN ELECTRIC HEAT, REMOVE AND DISCARD PLUG PPM29 CONTAINING JUMPER W63, AND INSTALL PPM29 FROM ELECTRIC HEATER. REFER TO EUROPEAN HEAT DIAGRAM.

12 CCH1,CCH2 AND ASSOCIATED WIRING USED ONLY ON TK 085-100C.

21 TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE JUMPER AND INSTALL FIELD SUPPLIED DEVICE.

25 TO DISABLE COMPRESSORS, REMOVE JUMPERS AND CONNECT FIELD SUPPLIED CONTROL DEVICE.

26 TO ENABLE COMPRESSOR LEAD/LAG OPERATION, CUT WIRE 52F.

27 WHEN OPTIONAL REMOTE MINIMUM POSITION POTENTIOMETER IS REQUIRED CUT WIRE LOOP (WL) AND WIRE AS SHOWN.

28 OPTIONAL REMOTE MINIMUM POSITION POTENTIOMETER, WL, DHS, ECA AND ASSOCIATED WIRING NOT USED WITH I/O EXPANSION BOARD.

29 OPTIONAL SAS, RAS, RHS, DHS AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR.

30 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.

31 REQUIRED OUTPUT OF COMPARATIVE ENTHALPY CONTROL.

32 TO CONNECT SAS TO LTB, REMOVE JUMPER BETWEEN LTB-18 AND 19 AND JUMPER WIRES 122A AND 124A TOGETHER. CONNECT SAS BETWEEN LTB-18 AND 19.

33 POWER EXHAUST OUTPUT FOR FIELD SUPPLIED DEVICE.

37 FOR FIRESTAT INSTALLATION, REMOVE JUMPER BETWEEN LTB-16 AND LTB-17 AND INSTALL HIGH TEMPERATURE THERMOSTATS (RHT, SHT). SEE INSET BF.

38 FOR SMOKE DETECTOR INSTALLATION, REMOVE WIRE CAPS FROM WIRES 32G, W64 AND 36BW, AND INSTALL THESE WIRES INTO SMOKE DETECTOR ACCESSORY. (SEE WIRING DIAGRAM SUPPLIED WITH SMOKE DETECTOR)

39 FOR SMOKE DETECTOR INSTALLATION ON UNITS WITH ECONOMIZER OPTION, INSTALL WIRE W65 ONTO ECA, TERMINAL CCW. THEN REMOVE WIRE CAP FROM OTHER END OF WIRE W65, AND INSTALL WIRE W65 ONTO SMOKE DETECTOR ACCESSORY. (SEE WIRING DIAGRAM SUPPLIED WITH SMOKE DETECTOR).

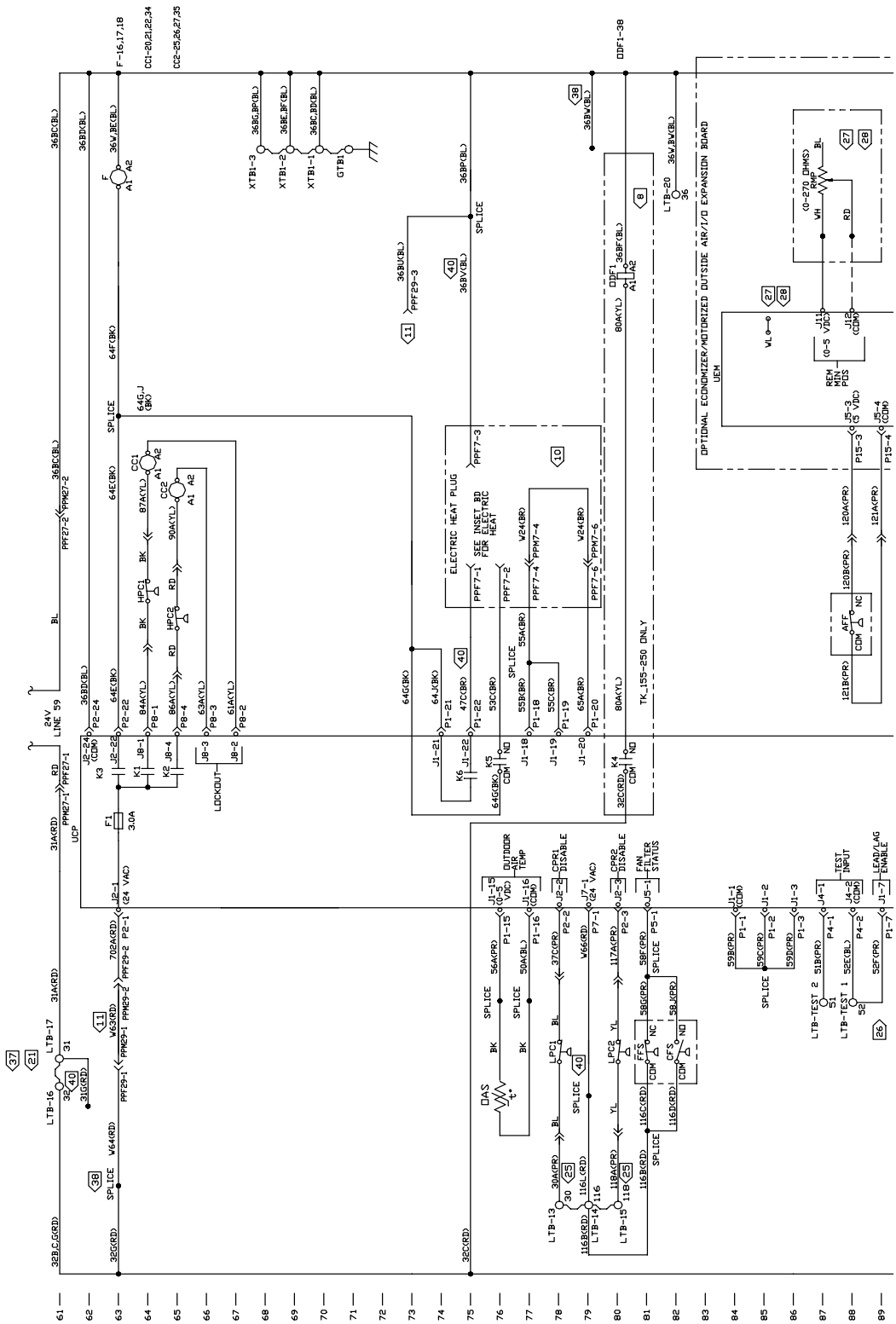
40 FOR HOT WATER HEAT OPTION, CONNECTIONS ARE MADE TO THE FOLLOWING WIRES: 31G, 47C, 36BV, 116L, AND W66 (SEE SUPPLEMENTARY HOT WATER HEAT WIRING DIAGRAM.)

41 CONTROL ADJUSTMENT SWITCHES-SEE INSTALLATION LITERATURE FOR ADJUSTMENT.

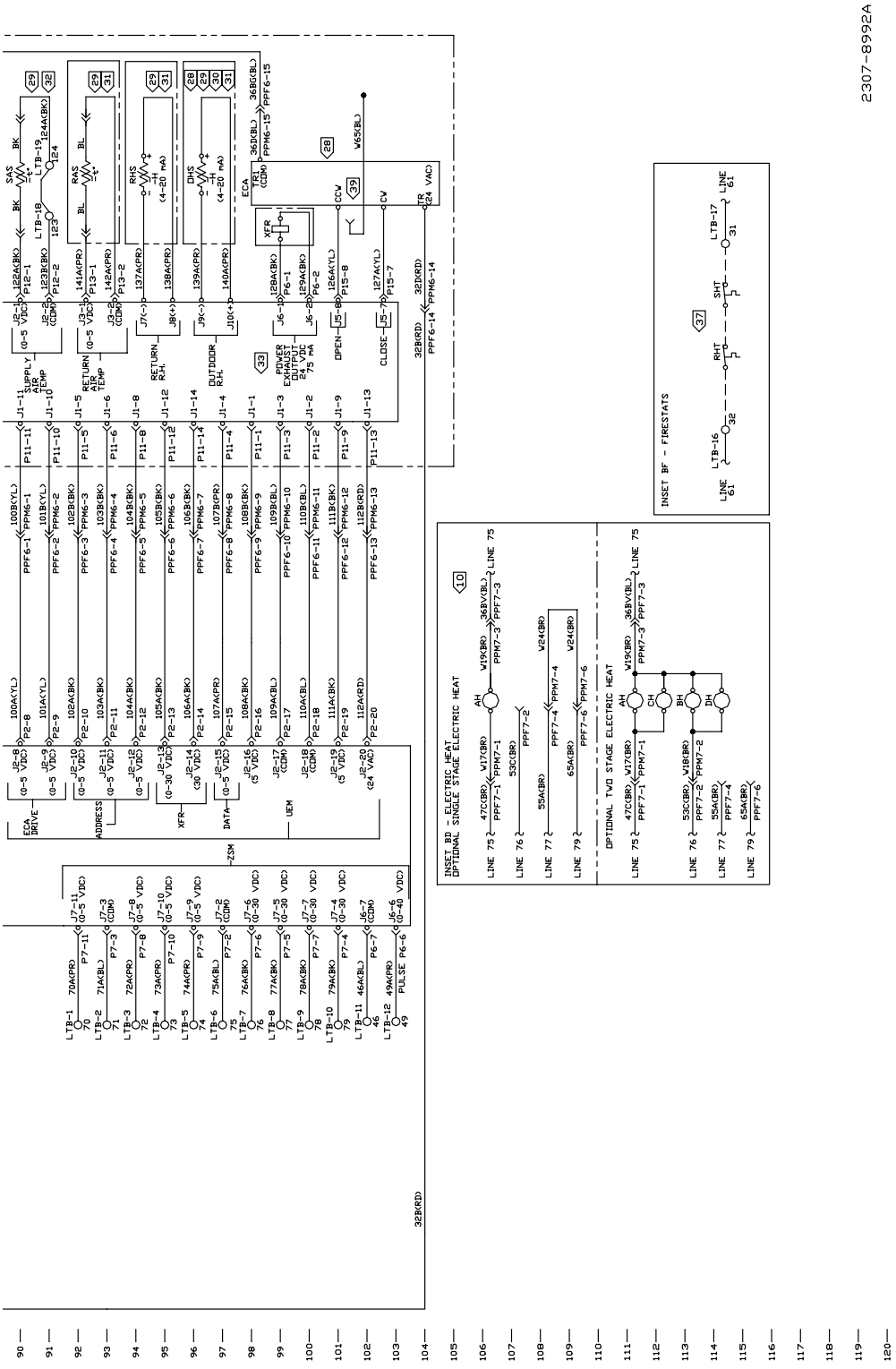
45 WIRES W1, W2 AND W3 USED WITH ELECTRIC HEAT OPTION ONLY. WHEN ELECTRIC HEAT IS REQUIRED REMOVE WIRE NUT FROM WIRES AND CONNECT TO HI VOLTAGE TERMINAL BLOCK (HTB1) PER DIAGRAM. SEE ELECTRIC HEAT DIAGRAM FOR REMAINDER OF CIRCUIT.

Typical Wiring

TK*100C-250B



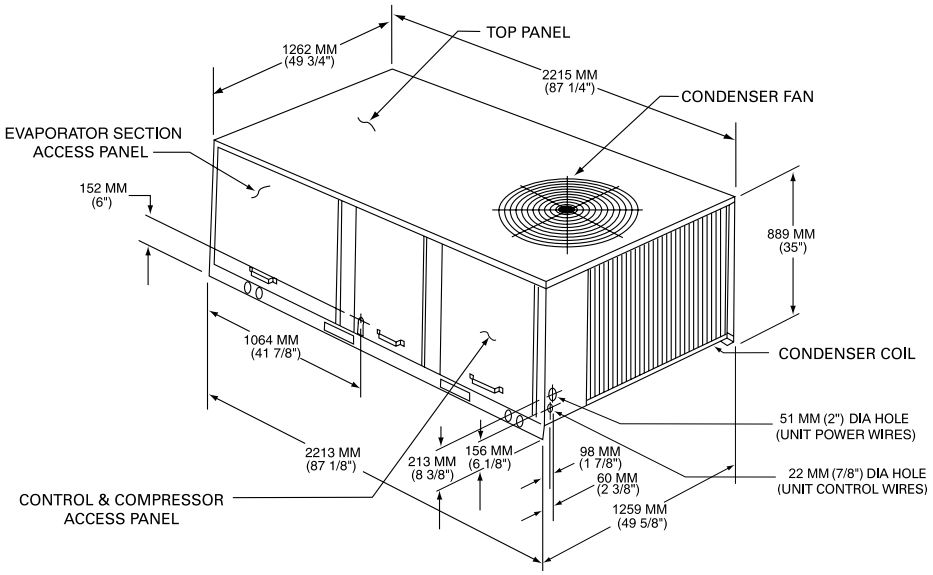
Typical Wiring

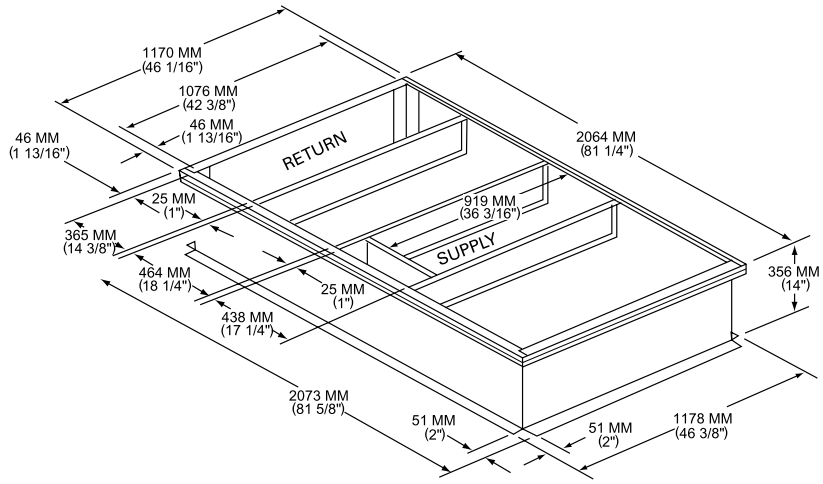


2307-8992A

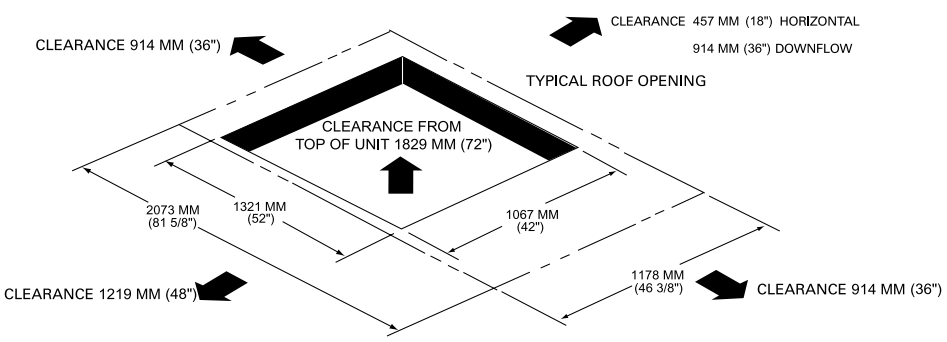
Dimensional Data

T**063C, 073C, 073D, 089C





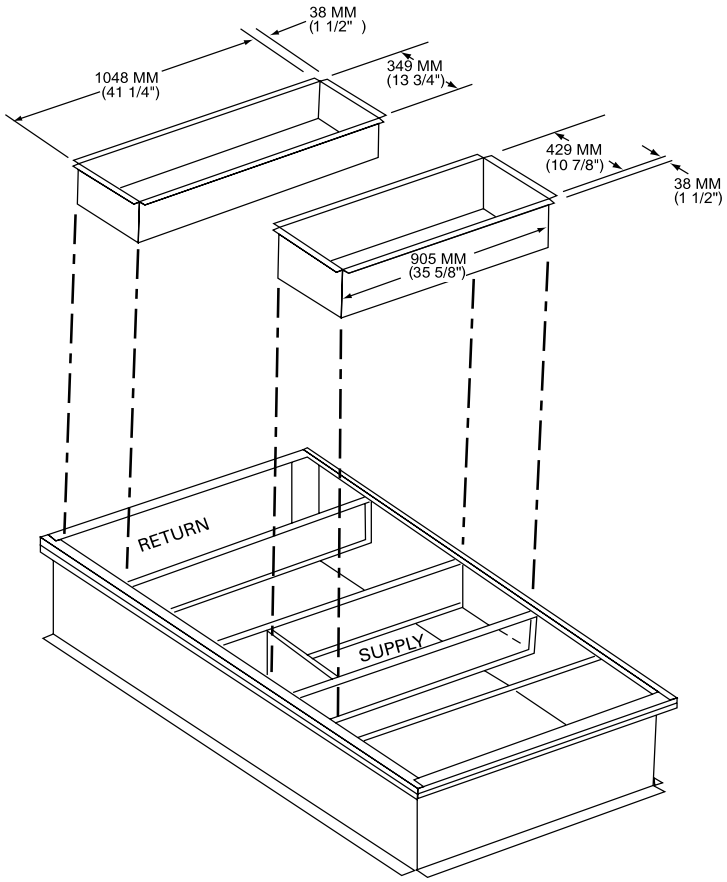
CURB DIMENSIONS



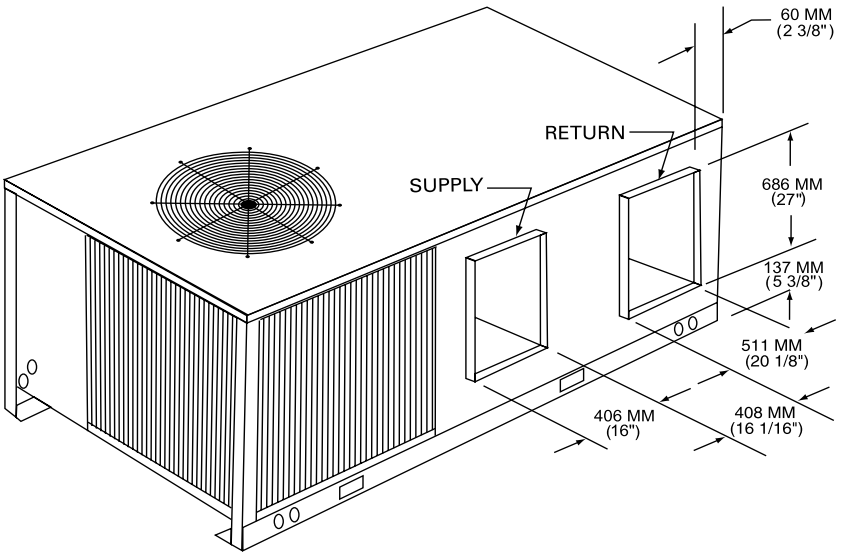
Dimensional Data

T**063C, 073C, 073D, 089C

Downflow Duct Connections – Field Fabricated

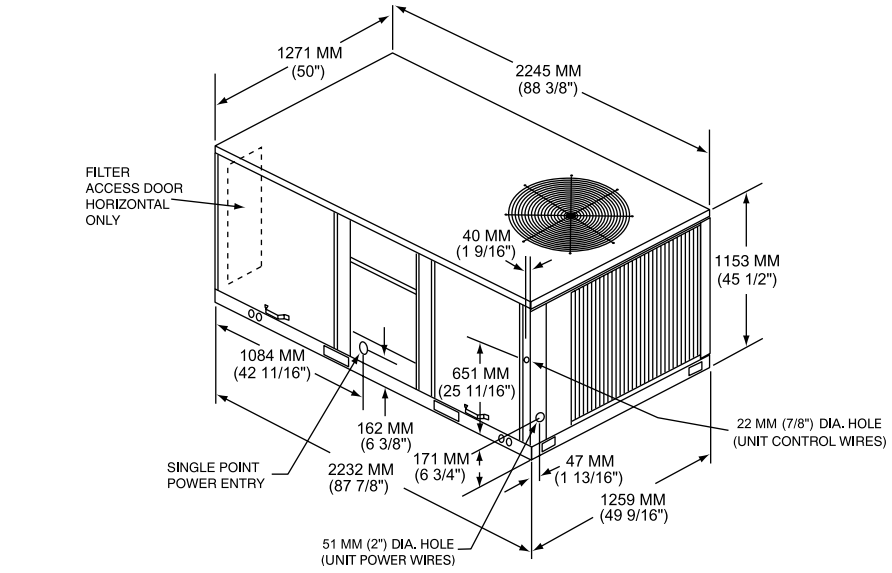


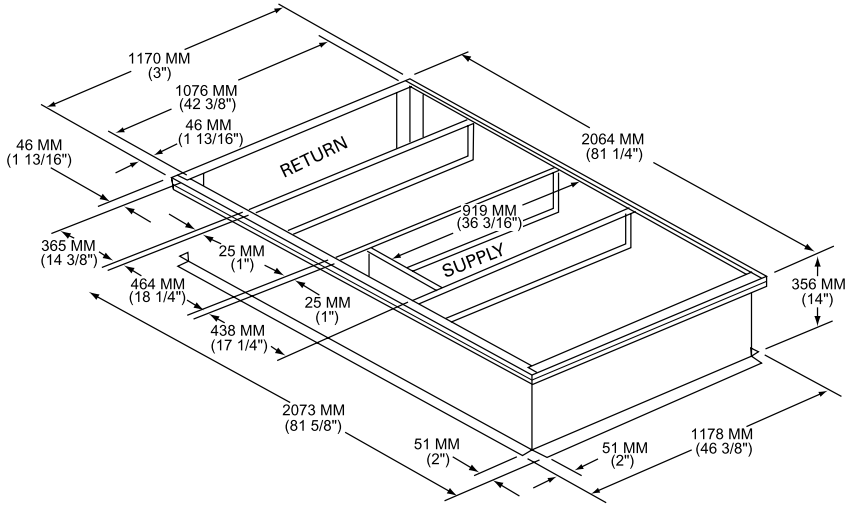
Horizontal Unit Supply/Return



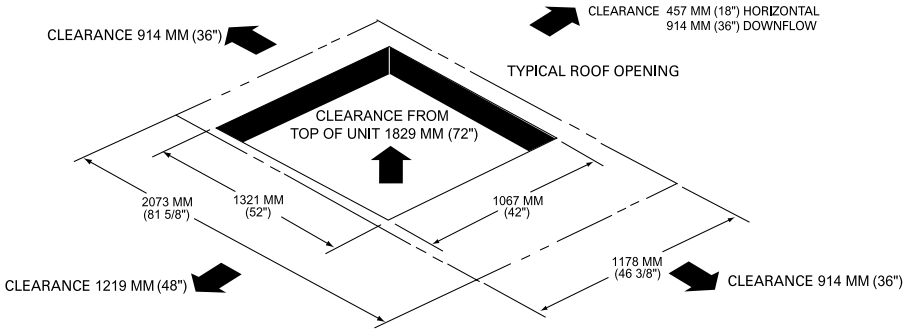
Dimensional Data

T**085C, 100C



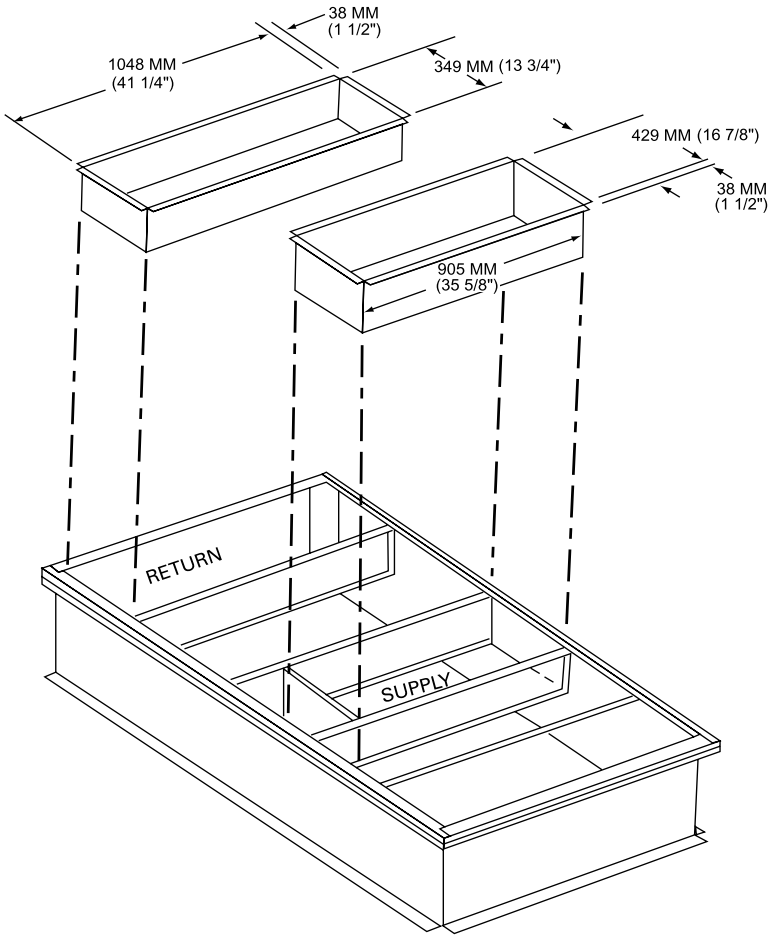


CURB DIMENSIONS

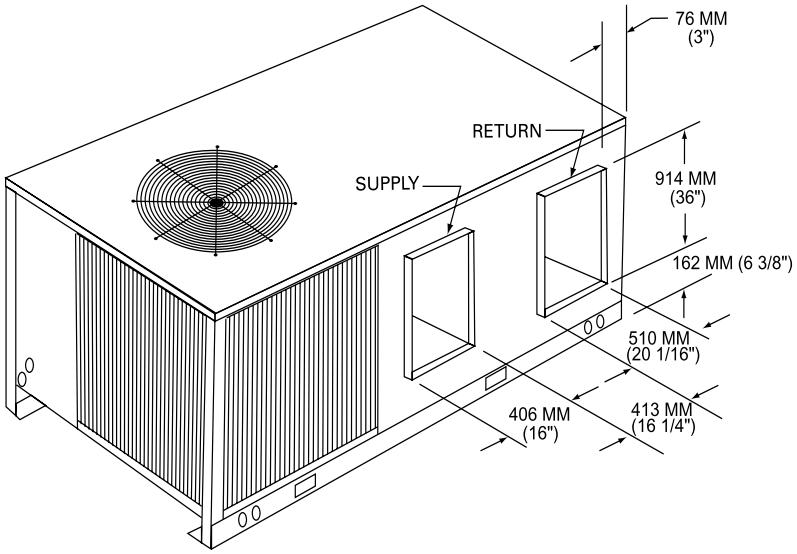


Dimensional Data

Downflow Duct Connections – Field Fabricated

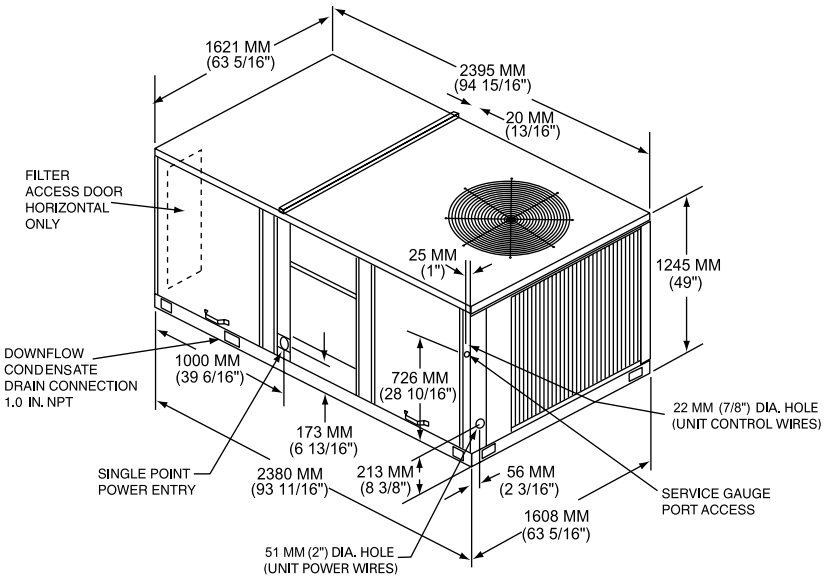


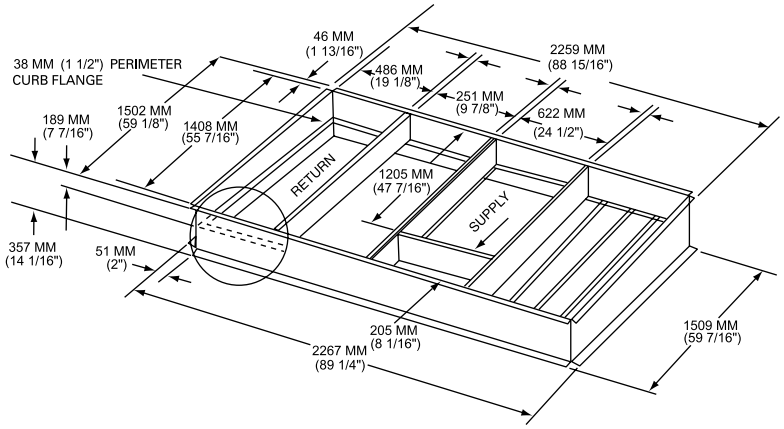
Horizontal Unit Supply/Return

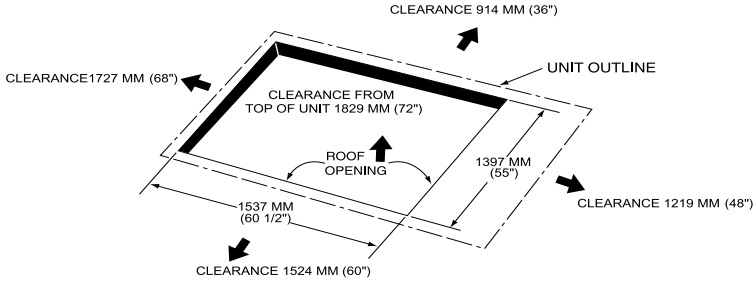


Dimensional Data

T**125C



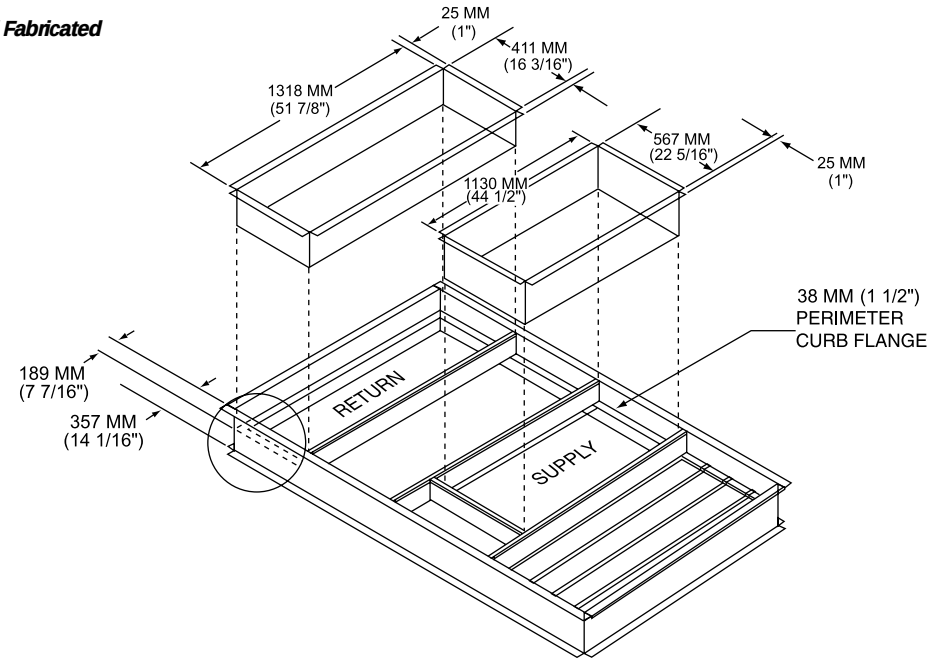




Dimensional Data

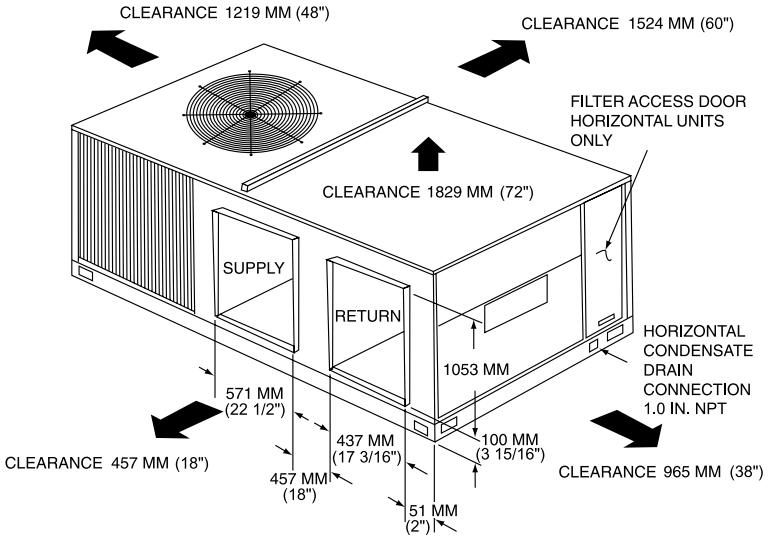
T**125C

Downflow Duct Connections – Field Fabricated



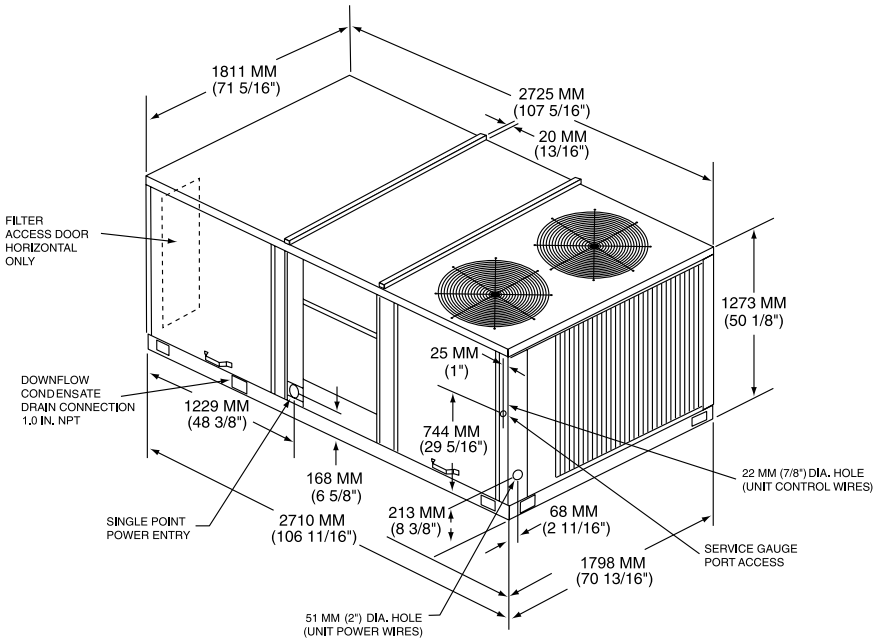
NOTE:
Duct flanges mount 189 mm (7.4 in.) down inside the curb on the 38 mm (1.5 in.) curb flanges.

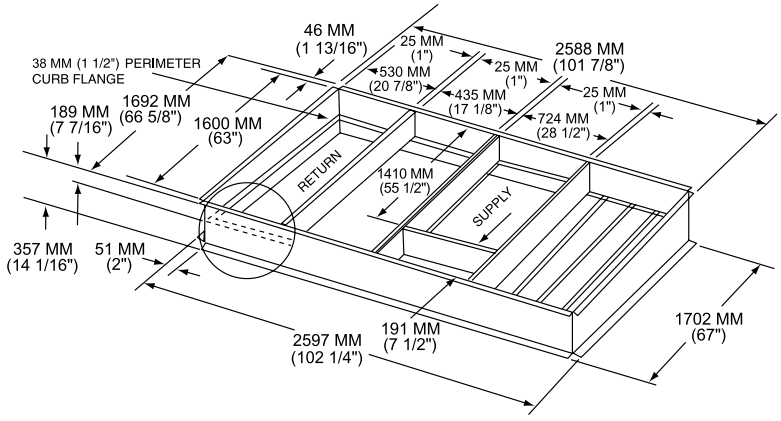
Horizontal Unit Supply/Return

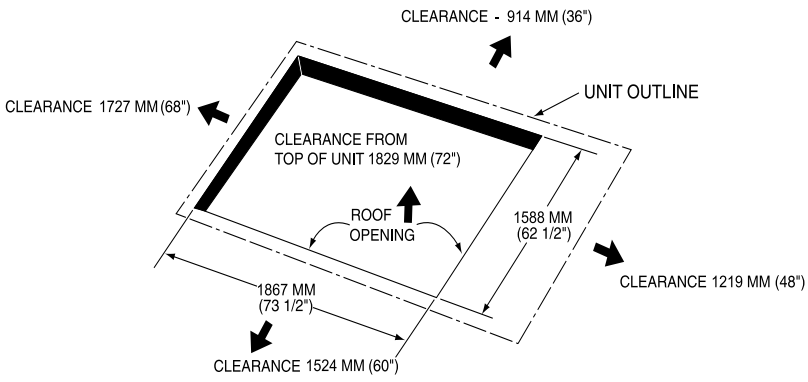


Dimensional Data

T**155B, 175C

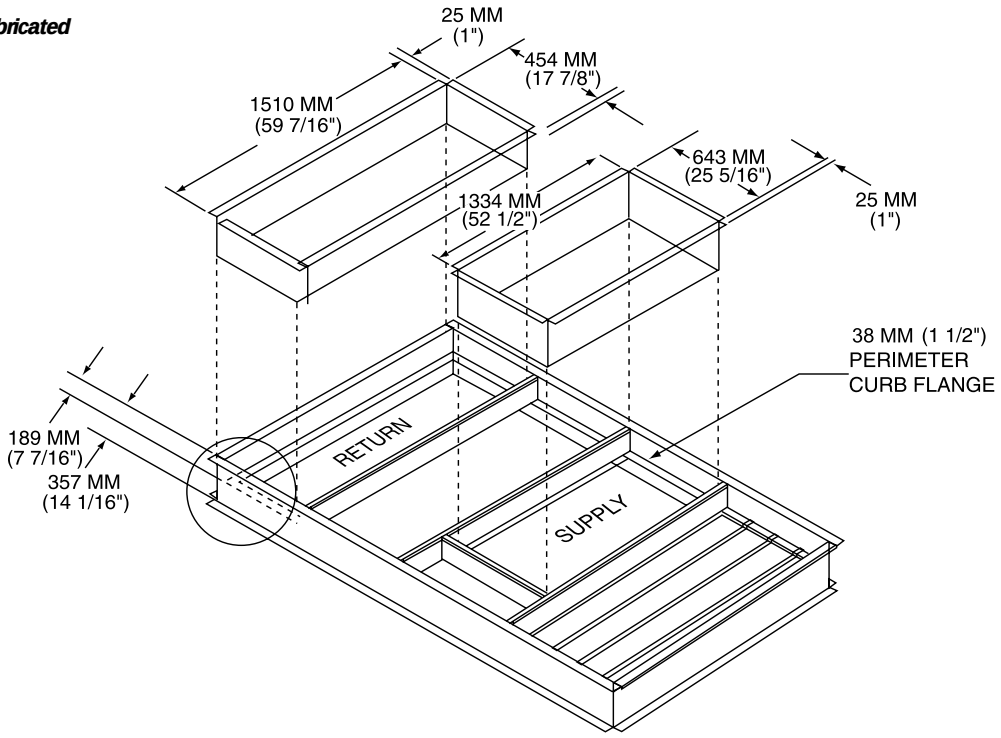






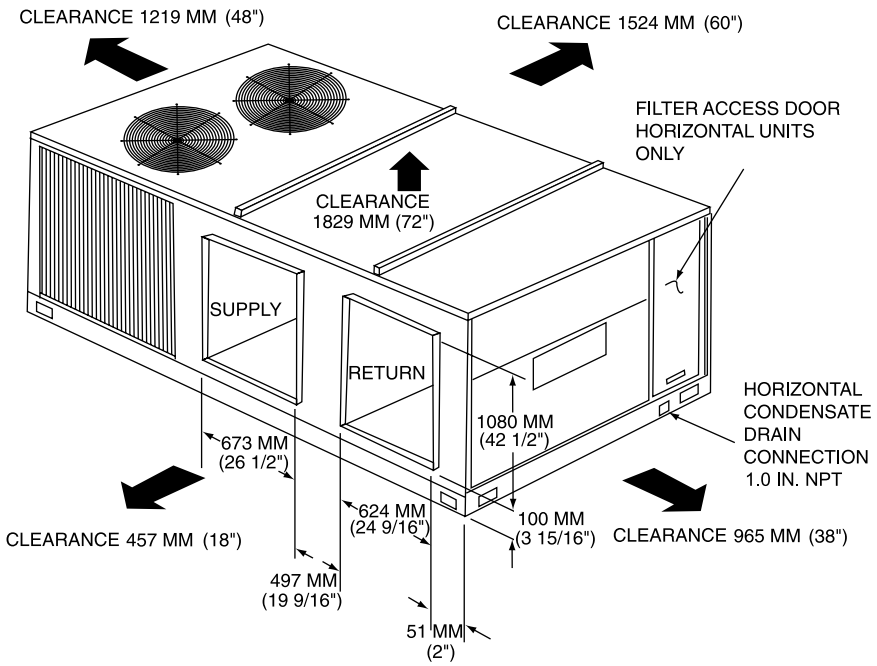
Dimensional Data

Downflow Duct Connections – Field Fabricated



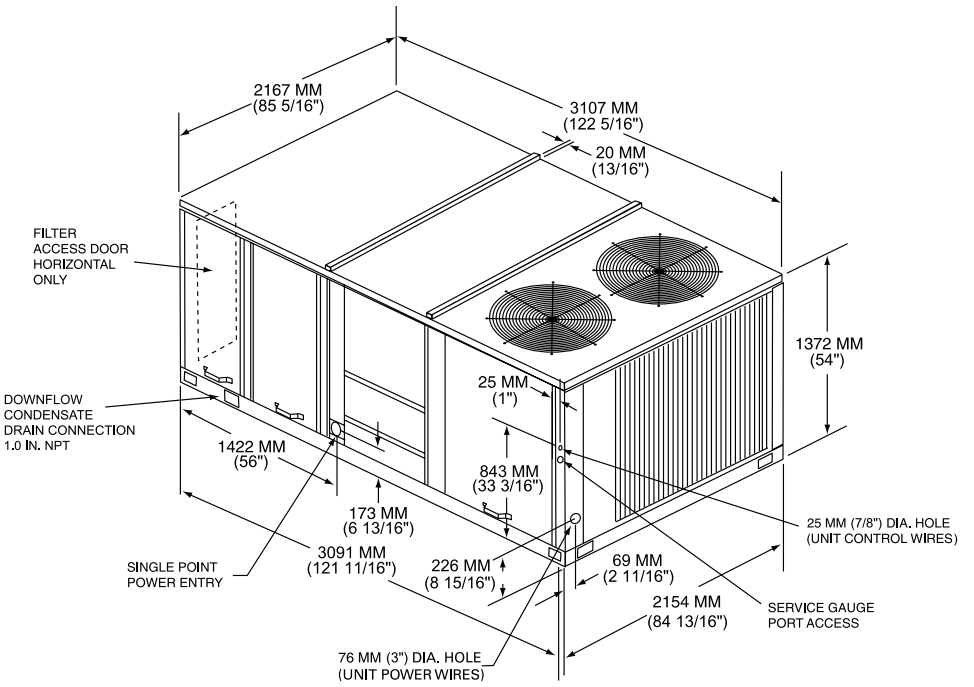
NOTE:
Duct flanges mount 189 mm (7.4 in.) down inside the curb on the 38 mm (1.5 in.) curb flanges.

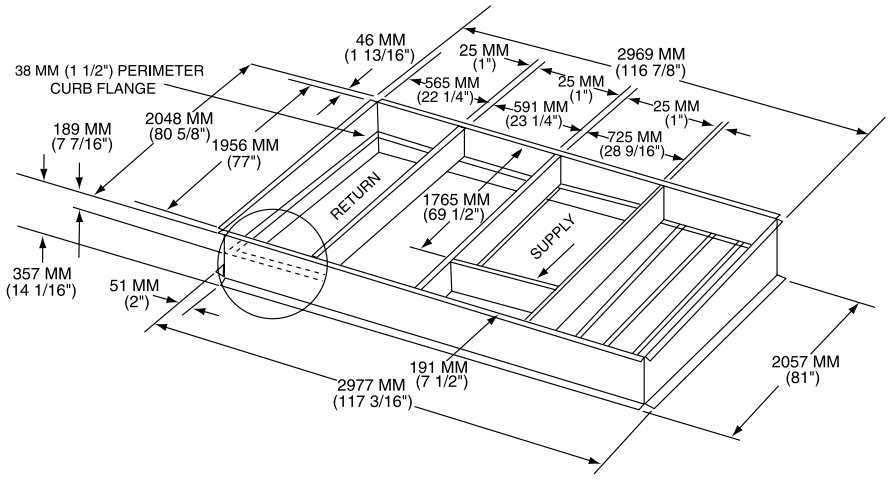
Horizontal Unit Supply/Return

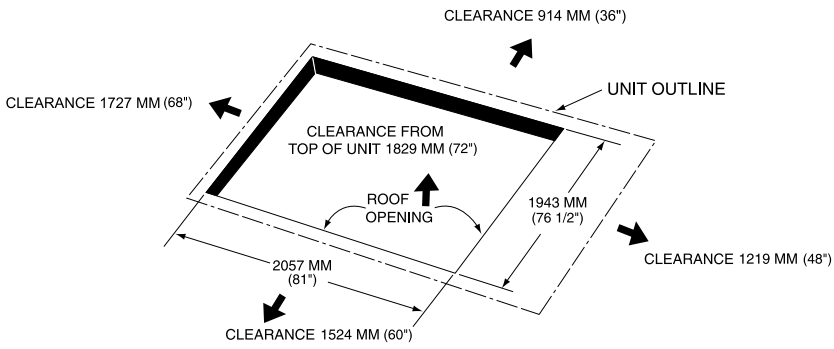


Dimensional Data

T**200B, 250B

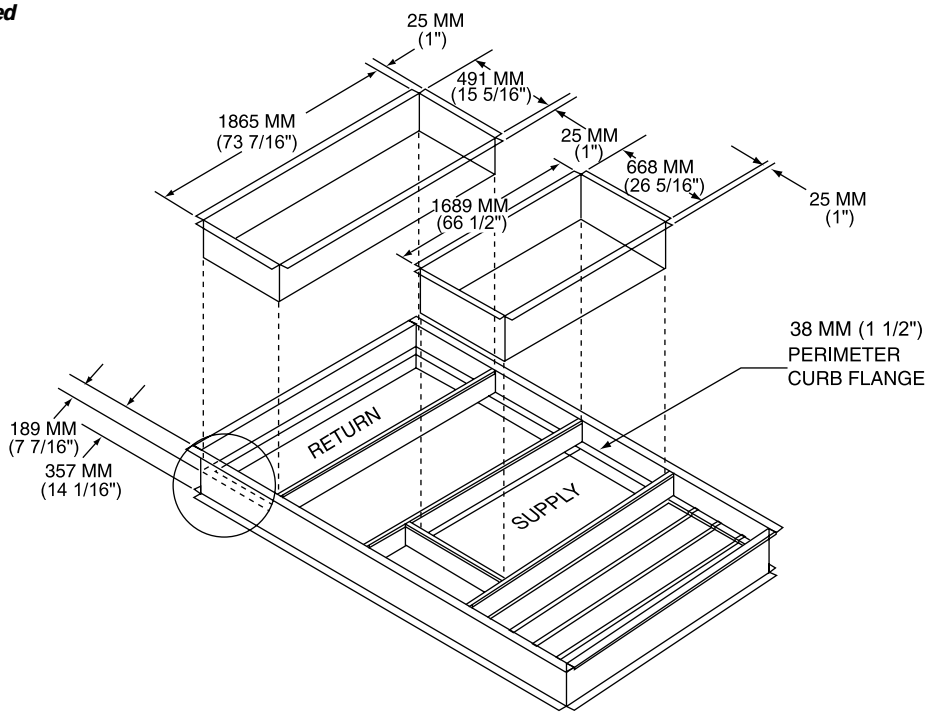






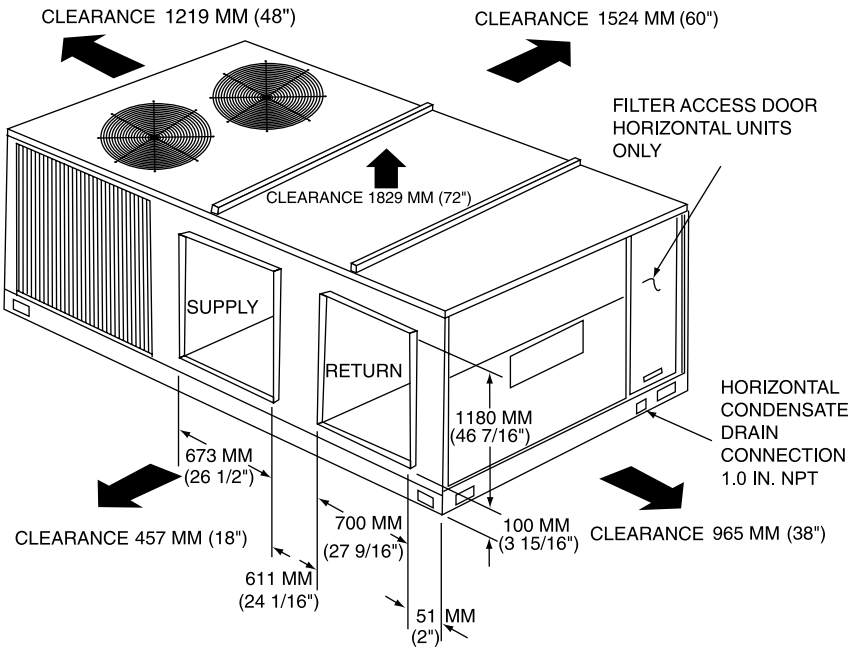
Dimensional Data

Downflow Duct Connections – Field Fabricated

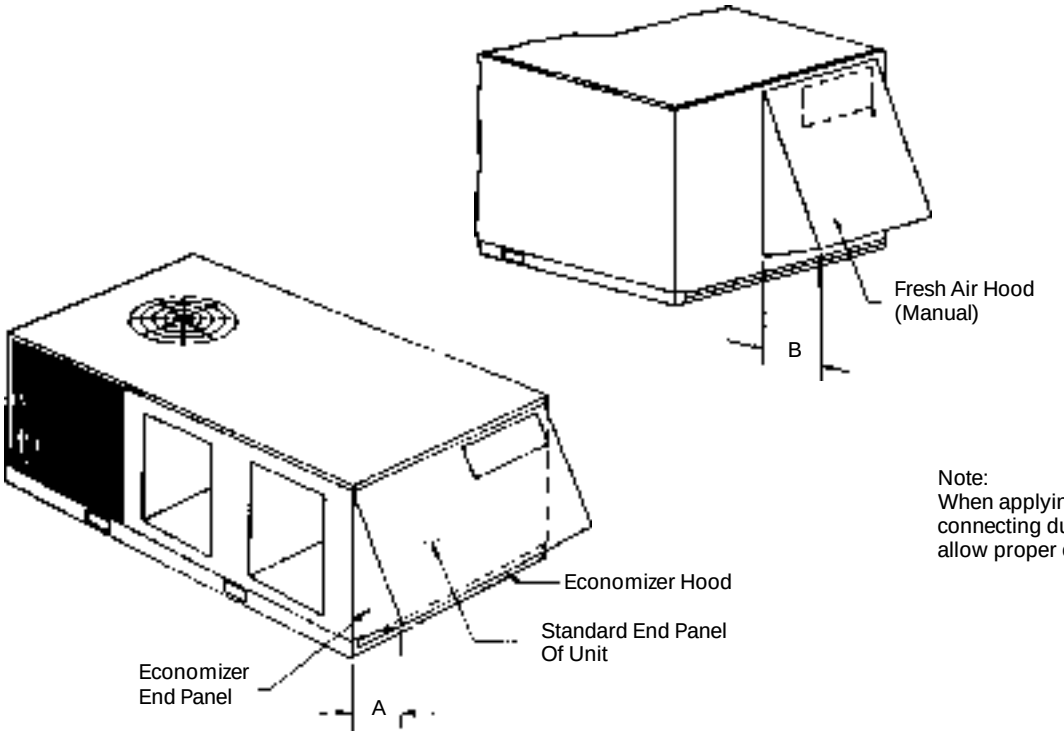


NOTE:
Duct flanges mount 189 mm (7.4 in.) down inside the curb on the 38 mm (1.5 in.) curb flanges.

Horizontal Unit Supply/Return



Dimensional Data



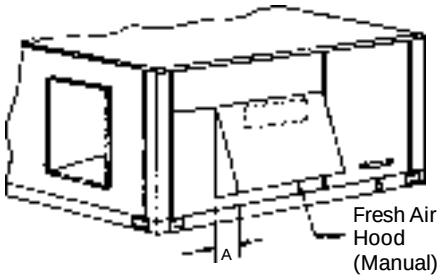
Note:
When applying economizer to horizontal units, connecting ductwork must be run full size to allow proper operation of Economizer Damper.

Table DD-1

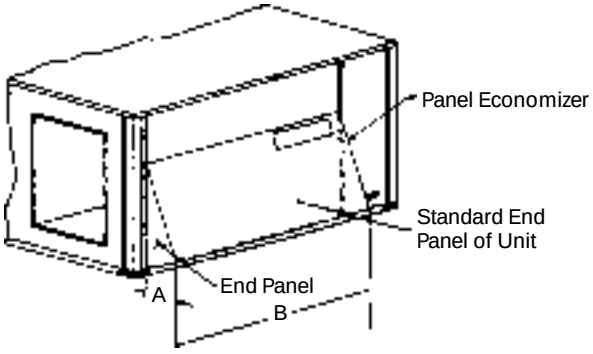
	mm		inches	
Model No.	A	B	A	B
*063C, 073C,073D, 089C	368	495	14 1/2	19 1/2

*Indicates both horizontal and downflow units.

Dimensional Data

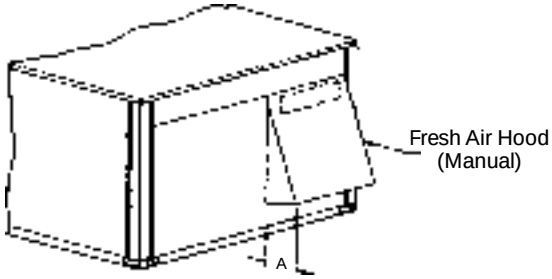


Horizontal Units

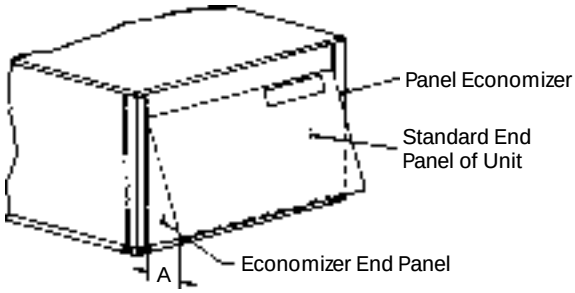


Horizontal Units

Note:
When applying economizer to horizontal units, connecting ductwork must be run full size to allow proper operation of Economizer Damper.



Downflow Units



Downflow Units

Table DD-2

	mm		inches	
Model No.	A	B	A	B
*085C, 100C	362	851	14 1/4	33 1/2
*125C, 155B, 175C	445	1365	17 1/2	53 3/4
*200B, 250B	495	1645	19 1/2	64 3/4

Notes:
1. Horizontal unit dimension only. Downflow economizer is width of end panel.
*Indicates both horizontal and downflow units.

Dimensional Data

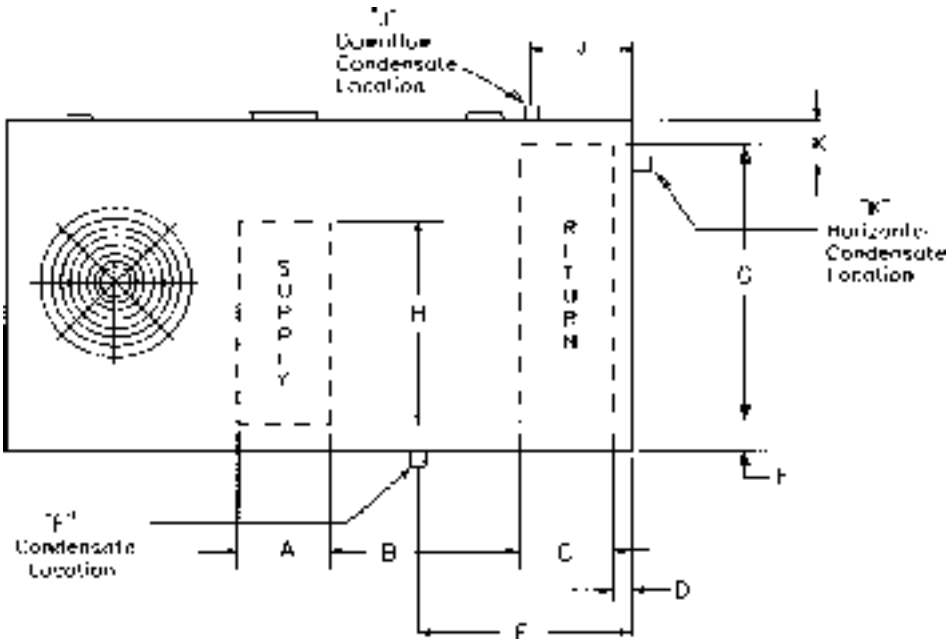


Table DD-3 (mm)

Model	Downflow Only							Drain Size	Downflow		Horizontal	
	A	B	C	D	F	G	H		E	J	E	K
*063C, 073C/D, 089C	386	572	329	83	86	1013	895	0.75 in. PVC	565	—	—	56
*085C, 100C	386	572	329	106	86	1013	895	0.75 in. PVC	584	—	716	—
*125C	570	368	449	108	108	1312	1199	1.0 in. NPT	—	625	—	406
*155B,175C	672	572	475	108	108	1586	1389	1.0 in. NPT	—	651	—	152
*200B,250B	672	730	506	108	108	1938	1745	1.0 in. NPT	—	679	—	137

*Indicates both horizontal and downflow units.

Table DD-3a (inches)

Model	Downflow Only							Drain Size	Downflow		Horizontal	
	A	B	C	D	F	G	H		E	J	E	K
*063C, 073C/D, 089C	15 3/16	22 1/2	12 15/16	3 1/4	3 3/8	39 7/8	35 1/4	3/4 in. PVC	22	—	—	2 3/16
*085C, 100C	15 3/16	22 1/2	12 15/16	4 3/16	3 3/8	39 7/8	35 1/4	3/4 in. PVC	22 7/8	—	28 3/16	—
*125C	22 7/16	14 1/2	17 11/16	4 1/4	4 1/4	51 5/8	47 3/16	1 in. NPT	—	24 5/8	—	16
*155B, 175C	26 7/16	22 1/2	18 11/16	4 1/4	4 1/4	62 7/16	54 11/16	1 in. NPT	—	25 5/8	—	6
*200B, 250B	26 7/16	28 3/4	19 15/16	4 1/4	4 1/4	76 5/16	68 11/16	1 in. NPT	—	26 3/4	—	5 3/8

*Indicates both horizontal and downflow units.

Weights

Table W-1 — Maximum Unit And Corner Weights (kg) And Center Of Gravity Dimensions (mm)

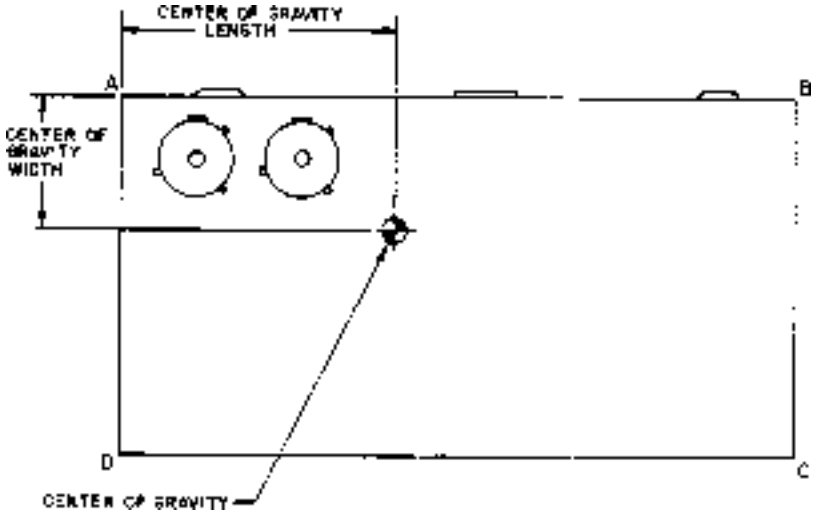
Model		Maximum Weights		Corner Weights				Center of Gravity	
		Shipping	Net	A	B	C	D	Length	Width
*063C		372	286	89	74	56	68	991	533
*073C	Single Compressor	399	313	104	80	59	70	991	508
*089C		399	313	104	80	59	70	991	508
*073D	Dual Compressor	427	341	120	83	59	80	914	508
*085C		484	390	135	99	65	90	940	508
*100C		494	400	137	102	68	92	965	508
*125C		664	528	177	140	93	118	1069	660
*155B		790	623	219	159	103	142	1143	711
*175C		827	660	227	172	112	149	1168	711
*200B		1050	841	297	221	138	185	1321	838
*250B		1075	866	300	230	145	206	1346	838

Notes:
(1) Corner weights are given for information only. All models must be supported continuously by a curb or equivalent frame support.
(2) Weights are approximate. Horizontal and downflow unit and corner weights may vary slightly.
*Indicates both horizontal and downflow units.

Table W-1a — Maximum Unit And Corner Weights (lbs) And Center Of Gravity Dimensions (inches)

Model		Maximum Weights		Corner Weights				Center of Gravity	
		Shipping	Net	A	B	C	D	Length	Width
*063C		820	631	196	163	123	150	39	21
*073C	Single Compressor	880	690	229	176	130	154	39	20
*089C		880	690	229	176	130	154	39	20
*073D	Dual Compressor	941	752	265	183	130	176	36	20
*085C		1067	860	298	218	143	198	37	20
*100C		1089	882	302	225	150	203	38	20
*125C		1464	1164	390	309	205	260	42	26
*155B		1742	1373	483	351	227	313	45	28
*175C		1823	1455	500	379	247	328	46	28
*200B		2315	1854	655	487	304	408	52	33
*250B		2370	1909	661	507	320	454	53	33

Note:
1. Corner weights are given for information only. ALL models must be supported continuously by a curb or equivalent frame support.
2. Weights are approximate. Horizontal and downflow unit and corner weights may vary slightly.
*Indicates both horizontal and downflow units.



Weights

Table W-2 — Accessory Net Weights (kg) (1)

Unit Model No.	Economizer Net	Outside Air Damper Motorized	Outside Air Damper Manual	Roof Curb	Oversized Motor Adder (4)	All Zone Sensors	High Static Drive (4)	Low Static Drive (4)
*D063C, 073C/D, 089C, 085C, 100C	18	16	15	37	2	0.5	1	—
*D125C	18	16	15	75	2	0.5	1	—
*D155B, 175C	30	27	15	93	2	0.5	1	1
*D200B	36	34	15	107	2	0.5	1	—
*D250B	36	34	15	107	—	0.5	—	1
*H063C, 073C/D, 089C, 085C, 100C	18	16	15	—	2	0.5	1	—
*H100B, 125C	16	16	15	—	2	0.5	1	—
*H155B, 175C	23	27	15	—	2	0.5	1	—
*H200B	30	34	15	—	2	0.5	1	—
*H250B	30	34	15	—	—	0.5	—	1

Notes:
(1) Net weight should be added to unit weight when ordering factory installed accessories.
(2) For 600V heaters net weights are same as 480V heaters.
(3) To estimate shipping weight add 5 lbs to net weight.
(4) Downflow only.
(5) Not available on all models (See Fan Performance tables for specific models).
(6) 9-23 kW heaters not available for T*210C.
(7) T*085C-250B factory installed options for economizers, multiply net capacity x .99, EER x .97. For oversized motors, multiply net capacity x .98, EER x .93.
*Indicates both horizontal and downflow units.

Table W-2a — Accessory Net Weights (lbs) (1)

Unit Model No.	Economizer Net	Outside Air Damper Motorized	Outside Air Damper Manual	Roof Curb	Oversized Motor Adder (4)	All Zone Sensors	High Static Drive (4)	Low Static Drive (4)
*D063C, 073C/D, 089C, 085C, 100C	40	35	33	82	4	1	2	—
*D100B, 125C	40	35	33	165	4	1	2	—
*D155B, 175C	66	60	33	205	4	1	2	2
*D200B	79	75	33	236	4	1	2	—
*D250B	79	75	33	236	—	1	—	2
*H063C, 073C/D, 089C, 085C, 100C	40	35	33	—	4	1	2	—
*H100B, 125C	35	35	33	—	4	1	2	—
*H155B, 175C	51	60	33	—	4	1	2	—
*H200B	66	75	33	—	4	1	2	—
*H250B	66	75	33	—	—	1	—	2

Notes:
(1) Net weight should be added to unit weight when ordering factory installed accessories.
(2) For 600V heaters net weights are same as 480V heaters.
(3) To estimate shipping weight add 5 lbs to net weight.
(4) Downflow only.
(5) Not available on all models (See Fan Performance tables for specific models).
(6) 9-23 kW heaters not available for T*210C.
(7) T*085C-250B factory installed options for economizers, multiply net capacity x .99, EER x .97. For oversized motors, multiply net capacity x .98, EER x .93.
*Indicates both horizontal and downflow units.

Weights

Table W-3 — Accessory Net Weights (kg)

Models	Electric Heat (2) 5-27 kW @ 380-415V	11-14 kW @ 380-415V	22-27 kW @ 380-415V	22-41 kW @ 380-415V	45-54 kW @ 380-415V
*D063C, 073C/D, 089C, 085C, 100C	11.8	—	—	—	—
*D125C	—	9.5	12.3	14.5	—
*D155B, 175C	—	9.5	12.3	14.5	—
*D200B	—	—	12.3	14.5	15.4
*D250B	—	—	12.3	14.5	15.4
*H063C, 073C/D, 089C, 085C, 100C	11.8	—	—	—	—
*H100B, 125C	—	9.5	12.3	14.5	—
*H155B, 175C	—	9.5	12.3	14.5	—
*H200B	—	—	12.3	14.5	15.4
*H250B	—	—	12.3	14.5	15.4

Notes:
(1) Net weight should be added to unit weight when ordering factory installed accessories.
(2) For 600V heaters net weights are same as 480V heaters.
(3) To estimate shipping weight add 5 lbs to net weight.
(4) Downflow only.
(5) Not available on all models (See Fan Performance tables for specific models).
(6) 9-23 kW heaters not available for T*210C.
(7) T*085C-250B factory installed options for economizers, multiply net capacity x .99, EER x .97. For oversized motors, multiply net capacity x .98, EER x .93.
*Indicates both horizontal and downflow units.

Table W-3a — Accessory Net Weights (lbs)

Models	Electric Heat (2) 5-27 kW @ 380-415V	11-14 kW @ 380-415V	22-27 kW @ 380-415V	22-41 kW @ 380-415V	45-54 kW @ 380-415V
*D063C, 073C/D, 089C, 085C, 100C	26	—	—	—	—
*D100B, 125C	—	21	27	32	—
*D155B, 175C	—	21	27	32	—
*D200B	—	—	27	32	34
*D250B	—	—	27	32	34
*H063C, 073C/D, 089C, 085C, 100C	26	—	—	—	—
*H100B, 125C	—	21	27	32	—
*H155B, 175C	—	21	27	32	—
*H200B	—	—	27	32	34
*H250B	—	—	27	32	34

Notes:
(1) Net weight should be added to unit weight when ordering factory installed accessories.
(2) For 600V heaters net weights are same as 480V heaters.
(3) To estimate shipping weight add 5 lbs to net weight.
(4) Downflow only.
(5) Not available on all models (See Fan Performance tables for specific models).
(6) 9-23 kW heaters not available for T*210C.
(7) T*085C-250B factory installed options for economizers, multiply net capacity x .99, EER x .97. For oversized motors, multiply net capacity x .98, EER x .93.
*Indicates both horizontal and downflow units.

Mechanical Specifications

General

The units shall be dedicated downflow or horizontal airflow. The operating range shall be between 46°C and -18°C (115°F and 0°F) in cooling as standard from the factory for all units. All units shall be factory assembled, internally wired, fully charged with R-22, and 100 percent run tested to check cooling operation, fan and blower rotation, and control sequence, before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification.

Casing

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. All components shall be mounted in a weather resistant steel cabinet with a painted exterior. Cabinet construction shall allow for all maintenance on one side of the unit. Service panels shall have lifting handles and shall be removed and reinstalled by removing not more than three screws while providing a water and air tight seal. All exposed vertical panels and top covers in the indoor air section shall be insulated with fire-resistant, permanent, odorless, glass fiber material. The base of the downflow unit is insulated with a foil-faced, closed-cell material. The downflow units base pan shall have no penetrations within the perimeter of the curb other than the raised 29 mm (1.18 inches) high supply/ return openings to provide an added water integrity precaution should the condensate drain back up. Each unit has a sloped condensate drain pan. The base of the unit shall have provisions for forklift and crane lifting.

Filters

25 mm (1 inch), throwaway filters shall be standard 063, 073, and 089 units. Filter rack can be converted to 50 mm (2 inch) capability. 50 mm (2 inch) filters shall be factory supplied on 085 and 100-250 units.

Compressors

Unit models 063, 073C, 073D, 085, 089 and 100 shall have direct-drive, hermetic, reciprocating type compressors with centrifugal oil pump providing positive lubrication to moving parts. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Crankcase heater, internal temperature, and current-sensitive motor overloads shall be included for maximum protection. Shall have internal spring isolation and sound muffling to minimize vibration transmission and noise. External high pressure cutout switches shall be provided on all European models. Low pressure switches shall be standard.

Unit models 125 through 250 shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. All scroll compressors shall be provided with internal overloads.

Refrigerant Circuits

Each refrigerant circuit shall have independent fixed orifice expansion devices, service pressure ports, and refrigerant line filter driers factory-installed as standard. An area shall be provided for replacement suction line driers.

Evaporator and Condenser Coils

Internally finned 9.5 mm ($^3/_8$ inch, in diameter) copper tubes mechanically bonded to configured aluminum plate fin shall be standard. Coils shall be leak tested at the factory to ensure the pressure integrity. The evaporator coil and condenser coil shall be leak tested to 1.4 MPa (200 psig) and pressure tested to 3.1 MPa (450 psig). On all dual compressor models, the evaporator coil shall be intermingled configuration.

Outdoor Fans

The outdoor fan shall be direct drive, statically and dynamically balanced, draw-through in the vertical discharge position. The fan motor(s) shall be permanently lubricated and shall have built-in thermal overload protection.

Indoor Fan

All units shall have belt driven, FC centrifugal fans with adjustable motor sheaves. 085, 100 and larger units shall have an adjustable idler-arm assembly for quick adjustment of fan belts and motor sheaves. All motors shall be thermally protected. Oversized motors will be available for high static operations.

Controls

Unit shall be completely factory wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Units shall provide an external location for mounting a fused disconnect device. Micro-processor controls shall be provided for all 24 volt control functions. The resident control algorithms shall make all heating, cooling, and/or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control algorithm maintains accurate temperature control, minimizes drift from set point, and provides better building comfort. A centralized Micro-processor shall provide anti-short cycle timing and time

Mechanical Specifications

delay between compressors to provide a higher level of machine protection.

Accessories

Electric Heaters

— Electric heat modules shall be available for installation within basic unit. Electric heater elements shall be constructed of heavy-duty nickel chromium elements internally wye connected. Staging shall be achieved through the unitary control processor (UCP). Each heater package shall have automatically reset high limit control operating through heating element contactors. European heaters shall require manual reset. All heaters shall be individually fused from the factory where required. Power assemblies shall provide single-point connection. Electric heat modules shall be UL listed, CSA certified, or CE marked.

Roof Curb - Downflow

—The roof curb shall be designed to mate with the downflow unit and provide support and a water tight installation when installed properly. The roof curb design shall allow field-fabricated rectangular supply/return ductwork to be connected directly to the curb. Curb shall be shipped knocked down for field assembly and shall include wood nailer strips.

Economizer - Downflow

—This assembly includes fully modulating 0-100 percent motor and dampers, barometric relief, minimum position setting, preset linkage, wiring harness with plug, and fixed dry bulb control. The barometric relief damper shall be standard with the downflow economizer and shall provide a pressure operated damper that shall be gravity closing and prohibit entrance of outside air during the equipment "off" cycle. Solid state enthalpy and differential enthalpy control shall be factory supplied, field installed option.

Economizer-Horizontal

—This accessory shall be field installed only. The horizontal economizer shall be available and contain the same features as the downflow economizer with the exception of barometric relief.

Remote Potentiometer

—The minimum position setting of the economizer shall be adjusted with this accessory.

Powered Exhaust

— Shall be available on all models. The accessory shall assist the barometric relief damper in the economizer in relieving building pressurization.

Manual Outside Air Damper

— Field installed rain hood and screen shall provide up to 25 percent outside air.

Motorized Outside Air Dampers

— Manually set outdoor air dampers shall provide up to 50 percent outside air. Once set, outdoor air dampers shall open to set position when indoor fan starts. The damper shall close to the full closed position when indoor fan shuts down. This option shall be available for all models.

High Static Drive

— Field installed high static drive option shall allow the standard motor to operate with improved external static capabilities. (See Fan Performance tables).

Low Static Drive

— Field installed low static drive option shall allow the standard motor to operate at lower static performance. (See Fan Performance tables).

Oversized Motors

— Oversized motors shall be available for high static applications.

Control Options

Trane Communication Interface (TCI)

—This option shall be provided to interface with the Trane Integrated Comfort™ System.

Zone Sensors

—This option shall be provided to interface with the Micro equipped Voyagers and shall be available in either manual, automatic programmable with night setback, with system malfunction lights or remote sensor options.

Conventional Thermostat Interface (CTI)

—This circuit board shall provide interface with electro-mechanical thermostats or automation systems.

Differential Pressure Switches

—These options allow for individual fan failure and dirty filter indication. The fan failure switch will disable all unit functions and "flash" the Service LED on the zone sensor. The dirty filter switch will light the Service LED on the zone sensor and will allow continued unit operation.

Input/Output Expansion Accessory

—This kit allows Integrated Comfort™ Systems to read Supply Air Temperature, Return Air Temperature, Return Air Humidity, and direct indication of fan failure without the use of an economizer or motorized outside air accessory.

Electronic Time Clock

—This field installed accessory allows up to 4 units night set-back and unoccupied functions when using a standard (Dual Setpoint) zone sensor module.

The Trane Company
An American Standard Company
www.trane.com

For more information contact your local office or e-mail us at comfort@trane.com

Literature Order Number	RT-PRC003-EN
File Number	PL-UN-RT-PRC003-EN-10-00
Supersedes	50-5343-5 06-99
Stocking Location	Inland-LaCrosse