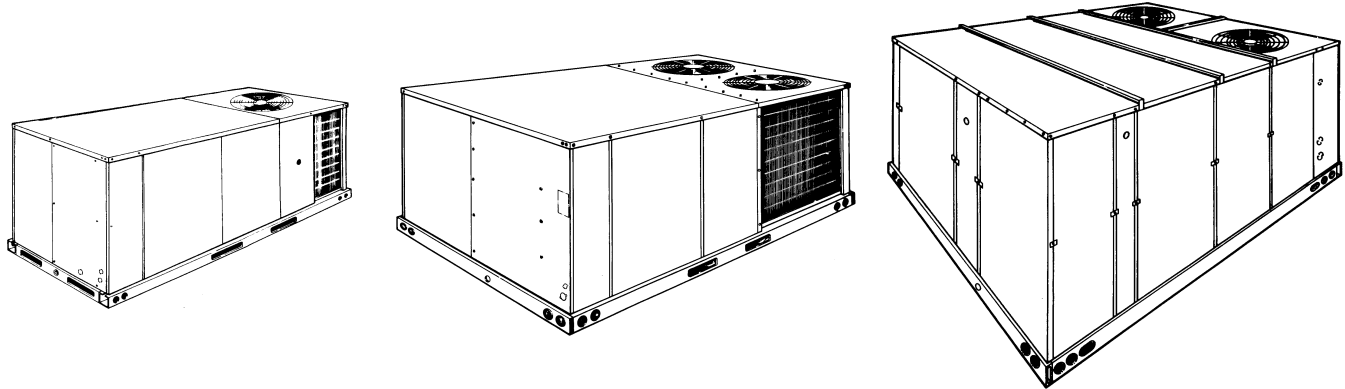


**FOR SUNLINE™
MODELS DHE, DHG 036, 048 & 060, 180 & 240
MODELS DEE, DEG 036**



GENERAL

Below are descriptions of option packages available on the Sunline Plus (3 and 7.5 through 20 ton) and Sunline Ultra (3,4 and 5 ton) units. There are 4 option packages, the: BASE OPTION PACKAGE, PROTECTION PACKAGE, INSTALLATION PACKAGE, and CABINET PACKAGE. The BASE OPTION PACKAGE can be ordered alone, but is always included with any of the other option packages.

FACTORY OPTIONS

The following factory options can be ordered in conjunction with any of the OPTION PACKAGES:

- A. No Economizer.
- B. Dry Bulb Economizer.
- C. Dry Bulb Economizer with Power Exhaust (15 & 20 ton units only).

NOTE: Not all combinations of base units and option packages are available. See the Price Pages for specific model and option combinations.

All option packages are available with the dry bulb economizer option only.

Individual items within each package can not be broken-out and ordered separately.

BASE OPTION PACKAGE

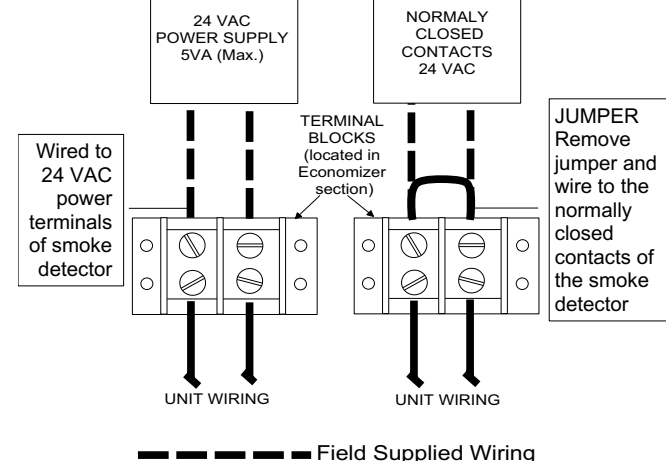
- A. **High-speed drive** (15 & 20 ton units) includes a belt and blower pulley upgrade, an alternate hp motor (7 - 12 tons) or the belt drive option (3 - 5 tons).
- B. **Self-priming condensate cover** assists in priming a dry trap.
- C. **A sloped drain pan** to prevent standing water in the drain pan.

NOTE: The internal drain connection is not offered with the sloped drain pan design on the 15 & 20 ton units.

D. Smoke detector terminal block provisions provide field-wiring means for powering a 24VAC duct smoke detector and a single set of normally closed contacts, which open to shut down the unit upon detection of smoke. Although the air conditioning unit is shut down when the smoke detector alarms, the 24V power supply to the smoke detector is not interrupted. Actual mounting means for the smoke detector are not provided due to the wide variation in regulations and codes.

CAUTION: Normal maintenance activity will require disconnecting power to the unit. When the YORK supplied terminal strip is used to provide 24V power to a smoke detector; the smoke detector will not be powered when the power supply is interrupted to the unit. If the smoke detector is linked to separate monitoring system that would detect this power shutdown and report it as an alarm condition, do not use the unit terminal strip to power the smoke detector.

SMOKE DETECTOR TERMINAL BLOCK DIAGRAM



PROTECTION PACKAGE

- A. A check filter switch** operates on differential pressure and indicates when the airflow pressure drop has increased past a user defined setpoint (field adjustable from 0.05 - 5 inches of water; factory set at 0.25 inches). Factory wire leads are provided in the control box for wiring to a remote 24V indicator, see the unit wiring label.
- B. A phase loss monitor** protects against phase loss, low voltage and phase reversal. The switch automatically shuts off power to the units control circuit if one of the above conditions is detected and will automatically reset upon correction of the problem. The sensitivity is field adjustable and has a visual LED indication of its operational status. Factory wire leads are provided in the control box for wiring to a remote 24V indicator, see the unit wiring label.
- C. A condensate overflow switch** shuts down and locks out the unit prior to overflow of the evaporator condensate pan. To reset the lockout, power must be reset at the unit and the fault condition must be cleared before proper operation can be restored. It requires periodic cleaning and maintenance. Factory wire leads are provided in the control box for wiring to a remote 24V indicator, see the unit wiring label.

To modify the condensate overflow switch system to act as a auto-reset safety only requires removing one wire. Remove the wire that leads from the overflow switch to the lockout relay. See unit wiring diagram for wire number and details

INSTALLATION PACKAGE

- A. Disconnect Switch**
For units with gas heat or factory installed electric heat this package includes a: HACR Molded Case Circuit Breaker that doubles as a disconnect switch while also providing unit mounted over-current and short circuit protection.
- For units shipped as cooling only or utilizing field mounted electric heat kits this package includes a: Non-Fused Molded Case Disconnect Switch. This switch is sized for the largest electric heat kit available from York for each model size and voltage. This switch provides a unit

mounted switch for disconnecting power during routine maintenance or service, but does not provide over-current or short circuit protection for the unit's power supply.

NOTE: This breaker is not intended to replace any additional circuit protection required by any local or national code.

WARNING: The breaker shipped with dual voltage (208/230V) 15 ton and 20 ton models utilizing 36 or 72kW electric heat is sized only for 240V service. These models: DHE180E03625, DHE180E07225, DHE240E02625 and DHE240E07225, require a 208V rated breaker when powered by 208V service. A kit is available to provide a breaker properly sized for 208V applications that mounts in the same location as the factory mounted breaker.

- B. Non-powered 120V G.F.C.I. duplex outlet** is rated at 20 Amps for U.S. locations and 15 Amps for Canadian locations (Requires separate 120V power be supplied to the unit).

CABINET PACKAGE

- A. Tool-less, hinged filter door** allows for easy access and maintenance.

NOTE: Knobs are shipped separately within the unit to prevent shipping damage. These must be field installed for tool-less operation.

- B. Tool-less blower and control panels** (not hinged) allows for easy access and maintenance.

NOTE: Knobs are shipped separately within the unit to prevent shipping damage. These must be field installed for tool-less operation.

- C. Condenser coil grill guards** to protect the coil surface from damage.



Heating and Air Conditioning

