



Centrifugal Upblast Flammable Vapor Belt-Drive Fans with Drive

Housing and blades are constructed of spark-resistant materials for use in areas where combustible dust or flammable gases are present. Have a drive package that includes a motor, sheaves, belts, and bushings. They are belt drive and typically quieter and provide more control over the fans' blade speed and airflow than direct-drive fans. Models can handle light-to-moderate grease content in the exhaust airstream.

Note: Compatible roof curbs can be found on page 2841. For a larger assortment of roof curbs go to Grainger.com.

| Wheel Dia. (in) | Exhaust Airflow @ 0.000 in SP (cfm) | Max. Static Pressure (in wc) | Nameplate Voltage (AC) | Phase | Motor HP | Base Dim. (in Square) | Compatible Damper Grainger Part Number | Item No. |
|---|-------------------------------------|------------------------------|------------------------|-------|----------|-----------------------|--|----------|
| Fans with Drive, Unassembled | | | | | | | | |
| Standard Grease, Aluminum Housing/Wheel Material | | | | | | | | |
| 11 1/4 | 1,413 | 1 | 115/208-230V | 1 | 1/4 | 22 | 4HX65 | 7HY41 |
| | 1,549 | 1 1/4 | 230/460V | 3 | 1/2 | 22 | | 7HY42 |
| | 1,790 | 1/2 | 115/208-230V | 1 | 1/4 | 22 | | 7HY43 |
| 13 1/4 | 1,968 | 1 | 230/460V | 3 | 1/2 | 22 | | 7HY44 |
| | 2,256 | 1 1/4 | 208-230/460V | 3 | 1/2 | 22 | | 7HY46 |
| | 2,001 | 3/4 | 115/208-230V | 1 | 1/4 | 26 | | 7HY47 |
| 14 3/4 | 2,192 | 1/2 | 115/208-230V | 1 | 1/2 | 26 | 4HX66 | 7HY48 |
| | 2,518 | 1 | 115/208-230V | 1 | 1/2 | 26 | | 7HY50 |
| | 2,518 | 1 | 208-230/460V | 3 | 1/2 | 26 | | 7HY51 |
| | 2,889 | 1 1/2 | 230/460V | 3 | 3/4 | 26 | | 7HY52 |
| | 2,774 | 3/4 | 115/208-230V | 1 | 1/2 | 26 | | 7HY55 |
| | 2,774 | 3/4 | 230/460V | 3 | 1/2 | 26 | | 7HY56 |
| 16 1/2 | 3,191 | 1 | 115/208-230V | 1 | 1/2 | 26 | 4HX67 | 7HY57 |
| | 3,191 | 1 | 208-230/460V | 3 | 1/2 | 26 | | 7HY58 |
| | 3,636 | 1 1/4 | 230/460V | 3 | 3/4 | 26 | | 7HY59 |
| | 3,996 | 1 1/2 | 208-230/460V | 3 | 1 | 26 | | 7HY60 |
| | 3,098 | 5/8 | 115/208-230V | 1 | 1/2 | 30 | | 7HY62 |
| | 3,098 | 5/8 | 230/460V | 3 | 1/2 | 30 | | 7HY63 |
| 18 1/2 | 3,551 | 1/2 | 115/208-230V | 1 | 1/2 | 30 | 4HX67 | 7HY64 |
| | 3,551 | 1/2 | 208-230/460V | 3 | 1/2 | 30 | | 7HY65 |
| | 4,061 | 1 | 115/208-230V | 1 | 3/4 | 30 | | 7HY66 |
| | 4,061 | 1 | 230/460V | 3 | 3/4 | 30 | | 7HY67 |
| | 4,477 | 1 1/4 | 115/208-230V | 1 | 1 | 30 | | 7HY68 |
| | 4,477 | 1 1/4 | 208-230/460V | 3 | 1 | 30 | | 7HY69 |
| | 5,648 | 2 | 208-230/460V | 3 | 2 | 30 | | 7HY72 |



Fan With Drive



Centrifugal Upblast Clean Air Direct-Drive Fans

These fans are primarily used to exhaust odorous, hot, or stale air, and include a drive package with motor. They have fewer moving parts and typically require less maintenance than belt-drive fans. 48C179 and 5DVR2 feature a high-efficiency, electronically commutated motor that uses less energy than conventional fan motors for similar workloads. All models are designed for light-to-moderate grease content in the exhaust airstream.

Note: Compatible roof curbs can be found on page 2841. For a larger assortment of roof curbs go to Grainger.com.

| Wheel Dia. (in) | Exhaust Airflow @ 0.000 in SP (cfm) | Max. Static Pressure (in wc) | Nameplate Voltage (AC) | Phase | Motor HP | No. of Speeds | Base Dim. (in Square) | Compatible Damper Grainger Part Number | Item No. |
|---|-------------------------------------|------------------------------|------------------------|-------|----------|---------------|-----------------------|--|----------|
| Fans, Assembled | | | | | | | | | |
| Standard Grease, Aluminum Housing/Wheel Material | | | | | | | | | |
| 8 1/4 | 197 | 1/4 | 115V | 1 | 1/60 | 3 | 19 | — | 5DYN6 |
| | 369 | 3/8 | 115V | 1 | 1/30 | 3 | 19 | | 5DYN8 |
| | 480 | 1/2 | 115V | 1 | 1/20 | 3 | 19 | | 5DVP0 |
| 11 | 811 | 5/8 | 115V | 1 | 1/15 | 3 | 19 | 3TZ50 | 5DVP4 |
| | 903 | 3/4 | 115V | 1 | 1/6 | Variable | 19 | 4HX64 | 48C179 |
| | 1,049 | 5/8 | 115V | 1 | 1/2 | 3 | 19 | 3TZ50 | 5DVP6 |
| | 1,468 | 1 | 115V | 1 | 1/4 | Variable | 22 | 4HX65 | 5DVR2 |
| | | | | | | | | | |



Speed Controls For Direct-Drive Fans & Ventilators

48C172 and 48C173 can operate multiple direct-drive fans if total amp draw does not exceed control's amp rating. 43Y140 includes transformer and hardware. 35YV92 allows fan to operate between 2 speeds with SPDT switch or relay.

| Type | Max. Amps | Voltage | Plate Color | Item No. |
|---|------------|----------|-------------|----------|
| Solid State Speed Controls | | | | |
| Rotary | 6 A | 115V | Silver | 48C172 |
| Rotary | 10 A | 115V | Silver | 48C173 |
| EC Motor Speed Controls* | | | | |
| Remote Dial Assembly | 0.5/0.25 A | 115/230V | Silver | 43Y140 |
| Touch Remote with Countdown Timer and LED display | 0.5/0.25 A | 115/230V | White | 35YV94 |
| 2-Speed | 0.5/0.25 A | 115/230V | Gray | 35YV92 |

* Can only be used with Dayton EC motor fans.



48C172



43Y140



35YV94