



S&P USA

| | |
|----------|------|
| Qty: | 1 |
| Tag: | |
| Project: | HRSD |

HRSD48-5-C

Propeller Roof Ventilator-Direct Drive Hooded Supply

STANDARD FEATURES:

Statically and Dynamically Balanced Aluminum Propeller • 2 Year Fan and 1 Year Motor Warranty • Motors Rated for Continuous Duty • Removable Panel for easy Damper Access • Low Profile • Integral Deep Spun Inlet • All Welded Support Structure • Hinged Hood for easy Access • Heavy Gauge Welded Galvanized Construction •

Performance

| Fan RPM | Flow (CFM) | SP (in W.G.) | Power (HP) | SE | TE | FPM (TS) | FPM (OV) |
|---------|------------|--------------|------------|----|-----|----------|----------|
| 1160 | 32676 | 0 | 5.64 | 0% | 15% | 14577 | 1614 |

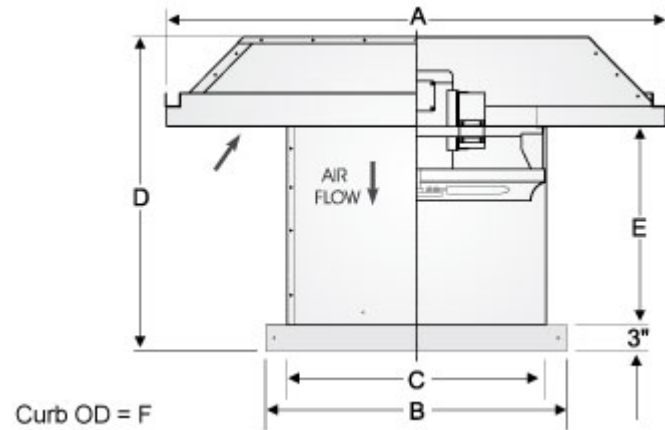
Altitude (Feet): n/a Temperature (Fahrenheit): n/a Density (Lb/Ft3): .075

Motor Information: (Wired for 460V)

| HP | RPM | Volts/PH/Hz | Enclosure | Efficiency | Mounted |
|----|------|--------------------------|-----------------------------|------------|---------|
| 5 | 1140 | 208V-230V/460V /3PH/60HZ | TOTALLY ENCLOSED FAN COOLED | 89.5% | YES |

| DBA | SONE |
|------|------|
| 86.3 | 57 |

Submittal Notes:



Dimensions (Inches)

| | | | | | | | | | |
|---|-------|---|----|---|----|---|----|---|----|
| A | 99 | B | 59 | C | 54 | D | 44 | E | 30 |
| F | 57.25 | G | | H | | I | | J | |
| K | | L | | M | | N | | O | |
| P | | Q | | R | | S | | T | |
| U | | V | | W | | X | | Y | |

Note: Accessories may effect dimensions shown.

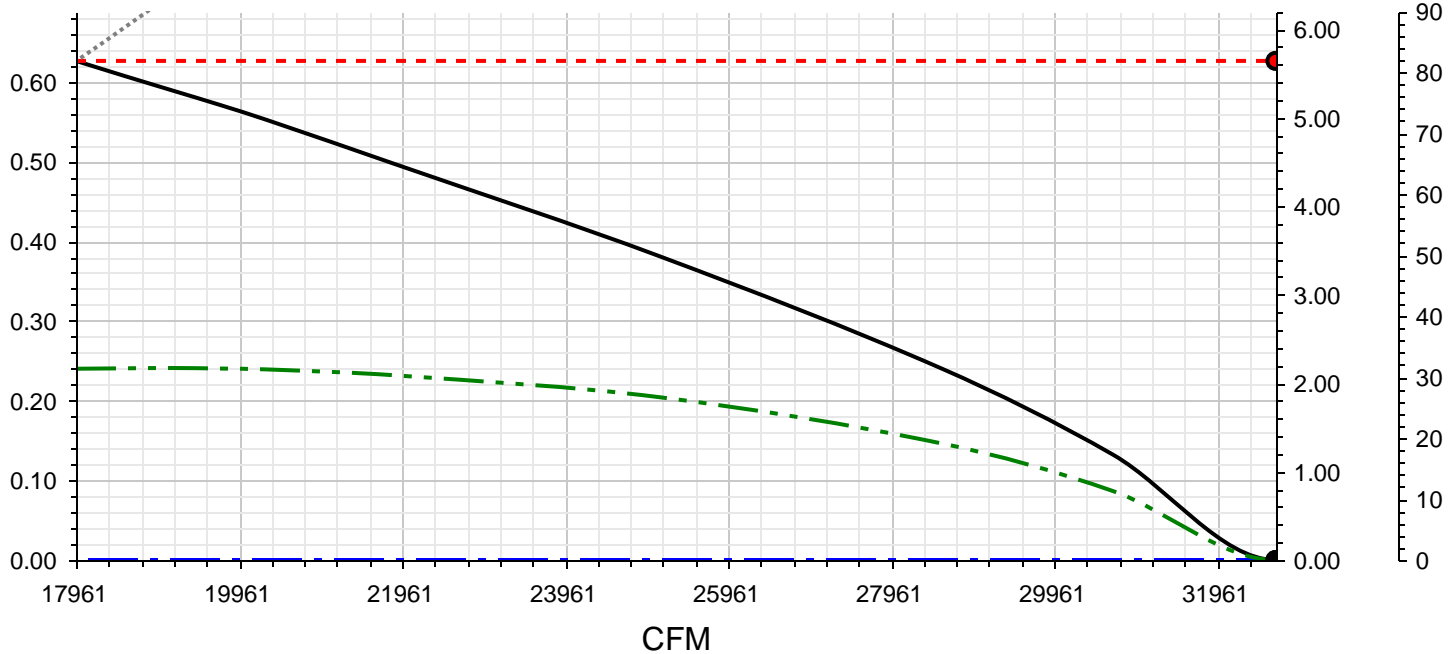
Avg. Shipping Weight (Lbs)*: 1100

*Includes fan, motor, and packaging.

Accessories:

HRSD48 BLADE ASSEMBLY 5HP 1140RPM 1-3/8 BORE • 50 X 50 FRONT FLANGE DAMPER SUPPLY • SUPPLY COUNTERWEIGHT KIT 44" THRU 62" • 57-1/4" SQ GALV RF CURB 12" HIGH W.D.T. • MOTOR SAFETY CHAIN •

in W.G.



— Fan Curve - - - System Curve - - - Horsepower - - - Static Efficiency Stall Curve

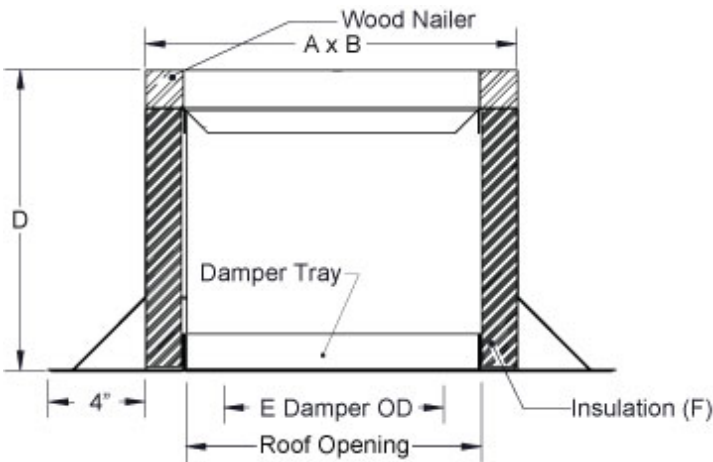


CURB TYPE: GRF

Model Description: GALVANIZED ROOF CURB

STANDARD FEATURES:

GALVANIZED STEEL CONSTRUCTION • CONTINUOUSLY WELDED CORNERS •



OPTIONS: (as noted below*)

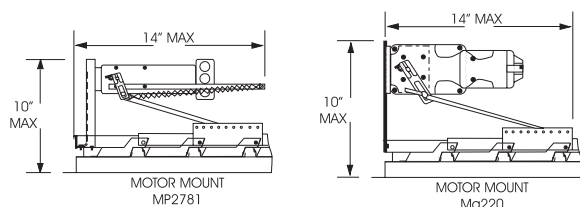
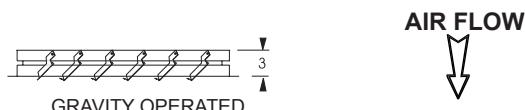
| | |
|---|--------------|
| 1 | DAMPER SHELF |
|---|--------------|

Dimensions(Inches)

| Tag | Qty | Description | Material Gauge | A | B | C | D (ht) | Damper OD (E) | Roof Opening | Options* | Rise/Run | Insulation (F) | Raised Cant |
|-----|-----|-------------|----------------|-------|-------|-----|--------|---------------|--------------|----------|----------|----------------|-------------|
| | 1 | GRF 57.25 | 18 | 57.25 | 57.25 | 1.5 | 12 | 52.5 X 52.5 | 54 X 54 | 1 | n/a | 1.5 | n/a |

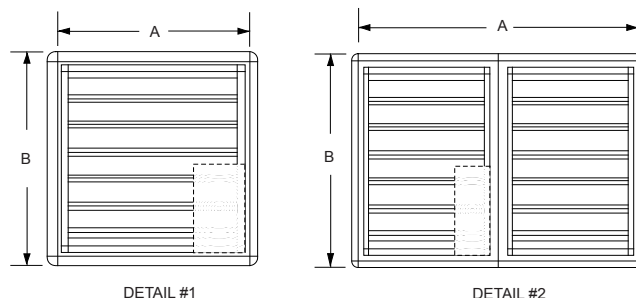
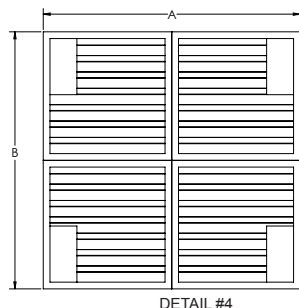


BACKDRAFT DAMPERS FOR ROOF MOUNTED SUPPLY FANS



NOTE

Counter balance weight kits are required on all supply dampers (gravity or motor operated).



PLAN VIEW (TOP)

STANDARD SPECIFICATIONS:

Maximum Face Velocity: 3000 fpm.
Temperature limits: -40°F to 200°F (-40°C to 94°C)
Minimum Size: 8 x 8
Size: Single section: 42 x 64 Max W/H
Multiple section assembly - Unlimited size.
Frame: 20 gauge galvanized steel.
Blades: .025 thick aluminum.

HD 28 gauge galvanized steel.
Seals: Extruded vinyl mechanically locked into blades.
Axles: Stainless Steel.
Linkage: Stainless steel pins, galvanized steel tie bar.
Finish: Mill.

NOTES:

- (1) Do not mount fan less than 12 inches from the shutter.
- (2) Motors available in 24V, 120V, 240V & 440V.
- (3) Dampers shipped in individual cartons.
- (4) Motors and spring kits ship separately.
- (5) Center-pivoted dampers must be used on reversible fans.
- (6) Multiple section assemblies may require bracing support the weight of the assembly and to hold against system pressure. **BRACING SUPPLIED BY OTHERS.**
- (7) Multiple section dampers are factory joined (except 72" and larger).

CAUTION: Motor kits are not suitable for use in explosive or flammable areas or airflows.

| FAN SIZE | CENTRIFUGAL ROOF FANS | | | | PROP ROOF FANS | | ARS A Sq | MOTOR TYPE | | PANELS (DETAIL) |
|-------------|-----------------------|-------------------|--------------|-------------------|-----------------------------|-------------------|----------------|------------|-----|--------------------|
| | LSF, CSF & KSF | | RCXII | | HRSB, HRSBF, HRSD, HRSDF | | | TYPE | QTY | |
| | A Sq SIZE | B Sq OD FLANGE | A Sq SIZE | B Sq OD FLANGE | A Sq SIZE | B Sq OD FLANGE | | | | |
| 6 or 8 | - | - | 8 | 10-1/2 | - | - | - | MP2781 | 1 | 1 |
| 9 | 16 | 18-1/2 | - | - | - | - | - | MP2781 | 1 | 1 |
| 10 | 20 | 22-1/2 | 8 | 10-1/2 | - | - | 14 | MP2781 | 1 | 1 |
| 12 | 20 | 22-1/2 | 15 | 17-1/2 | - | - | 18 | MP2781 | 1 | 1 |
| 15 | 24 | 26-1/2 | 15 | 17-1/2 | - | - | - | MP2781 | 1 | 1 |
| 16 | - | - | - | - | - | - | 22 | MP2781 | 1 | 1 |
| 18 | 27 | 29-1/2 | 21 | 23-1/2 | - | - | - | MP2781 | 1 | 1 |
| 20 | 42 | 44-1/2 | 21 | 23-1/2 | - | - | 26 | MP2781 | 1 | 1 |
| 24/26 | - | - | 27 | 29-1/2 | 26 | 28-1/2 | - | MP2781 | 1 | 1 |
| 30/33 | - | - | 34 | 36-1/2 | 32 | 34-1/2 | - | MP2781 | 1 | 1 |
| 36 | - | - | 34 | 36-1/2 | 38 | 40-1/2 | - | MP2781 | 1 | 1 |
| 42 | - | - | - | - | 44 | 46-1/2 | - | MA220 | 1 | 2 |
| 48 | - | - | - | - | 50 | 52-1/2 | - | MA220 | 1 | 2 |
| 54 | - | - | - | - | 56 | 58-1/2 | - | MA220 | 1 | 2 |
| 60 | - | - | - | - | 62 | 65-1/2 | - | MA220 | 1 | 2 |
| 72 | - | - | - | - | 76 | 78-1/2 | - | MP220 | 4 | 4 |

Heavy Duty Dampers required on all units with 7 1/2HP motors and above.

| ACCESSORY ITEMS | 1 | 2 | 3 | 4 | 5 | ACCESSORY ITEMS | 1 | 2 | 3 | 4 | 5 |
|--------------------------|---|---|---|---|---|--------------------------|---|---|---|---|---|
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Project: _____ Submitted: _____
Customer: _____ Approved: _____
Location: _____

Subject to change unless approved in submittal by Soler & Palau

DMPR_RoofSup_Submittal_0414