S&P USA

HRSD24-3/4-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 •

Curb OD = F

Performance

Fan RPM	Flow (CFM)	SP (in W.G.)	Power (HP)	SE	TE	FPM (TS)	FPM (OV)
1160	6339	0	.858	0%	7%	7288	1014

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

Motor Information: (Wired for 115V)

HP	RPM	Volts/PH/Hz	Enclosure	Efficiency	Mounted
.75	1140	115V/208V-230V/1PH/60HZ	OPEN DRIP PROOF	STANDARD	YES

DBA	SONE
71.9	21

Submittal Notes:
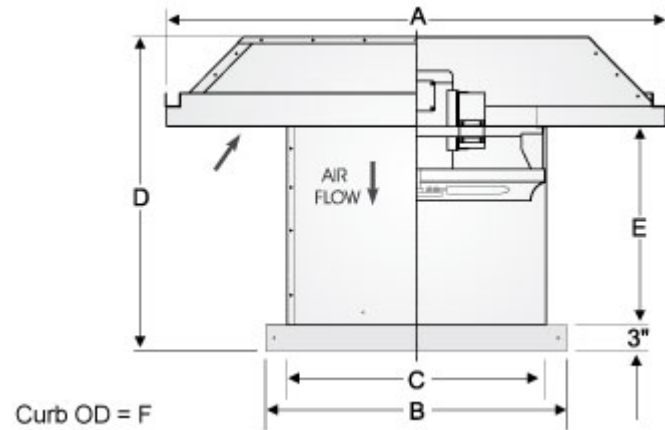
Dimensions (Inches)

A	58	B	35	C	30	D	31	E	23
F	33.25	G		H		I		J	
K		L		M		N		O	
P		Q		R		S		T	
U		V		W		X		Y	

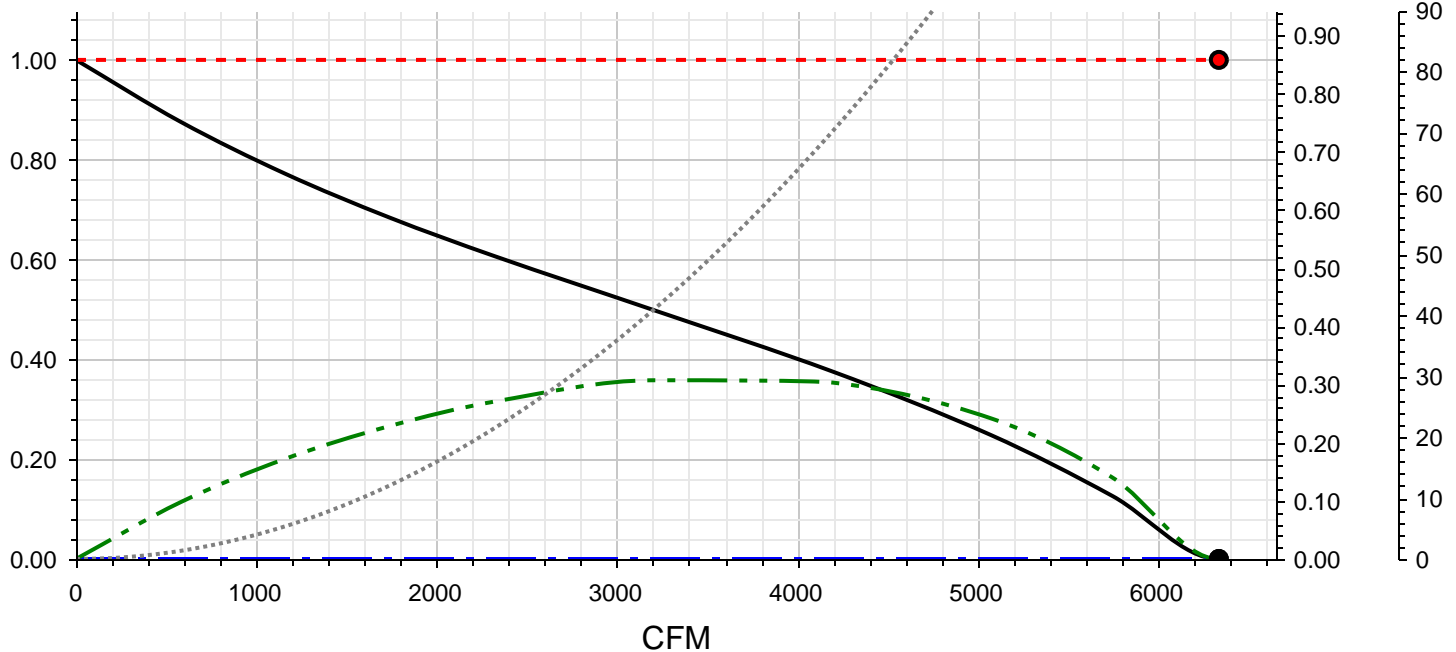Note: Accessories may effect dimensions shown.

Avg. Shipping Weight (Lbs)*:   425
*Includes fan, motor, and packaging.

Accessories:
24" CST ALUM BLD ASSY 3/4HP 1140 RPM 5/8" • 26 X 26 FRONT FLANGE DAMPER SUPPLY • SUPPLY COUNTERWEIGHT KIT 20" THRU 32" • 33-1/4" SQ GALV RF CURB 12" HIGH W.D.T. • MOTOR SAFETY CHAIN •

— Fan Curve   — · — System Curve   - - - - Horsepower   — ·· — Static Efficiency   ·········· Stall Curve
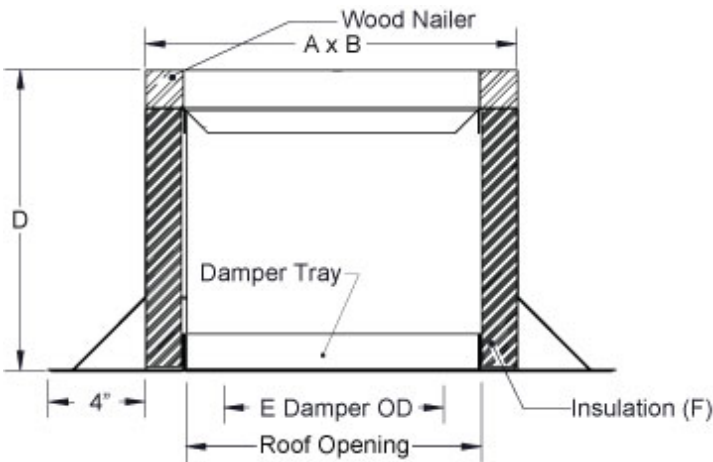
CURB TYPE: GRF

Model Description: GALVANIZED ROOF CURB

STANDARD FEATURES:

GALVANIZED STEEL CONSTRUCTION • CONTINUOUSLY WELDED CORNERS •
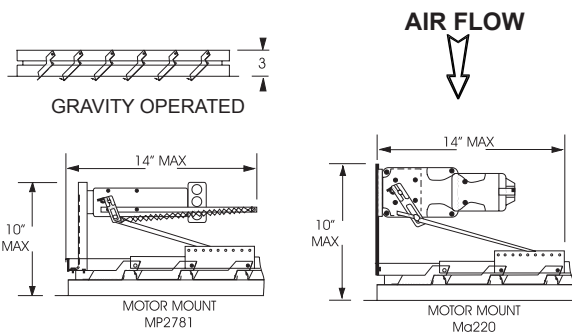
OPTIONS: (as noted below*)

1	DAMPER SHELF

Dimensions(Inches)

Tag	Qty	Description	Material Gauge	A	B	C	D (ht)	Damper OD (E)	Roof Opening	Options*	Rise/Run	Insul- ation (F)	Raised Cant
	1	GRF 33.25	18	33.25	33.25	1.5	12	28.5 X 28.5	30 X 30	1	n/a	1.5	n/a

AIR FLOW

GRAVITY OPERATED

14" MAX

10" MAX

MOTOR MOUNT
MP2781

14" MAX

10" MAX

MOTOR MOUNT
Ma220

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

A

B

DETAIL #1

A

B

DETAIL #2

A

B

DETAIL #4
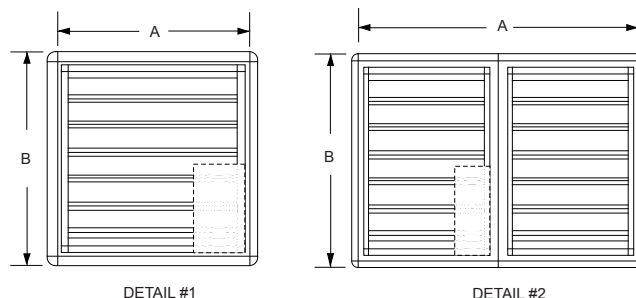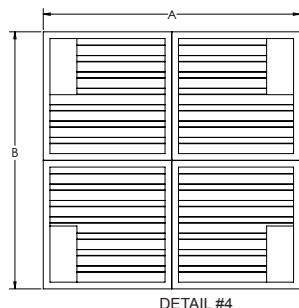
PLAN VIEW (TOP)

STANDARD SPECIFICATIONS:
Maximum Face Velocity: 3000 fpm.
Temperature limits: -40^{0}F to 200^{0}F (-40^{0}C to 94^{0}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					
	A Sq SIZE	B Sq OD FLANGE	A Sq SIZE	B Sq OD FLANGE	A Sq SIZE	B Sq OD FLANGE		TYPE	QTY	
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
☐						☐					
☐						☐					
☐						☐					
☐						☐					

Project: _____   Submitted: _____
Customer: _____   Approved: _____
Location: _____

Subject to change unless approved in submittal by Soler & Palau

Soler&Palau
Ventilation Group