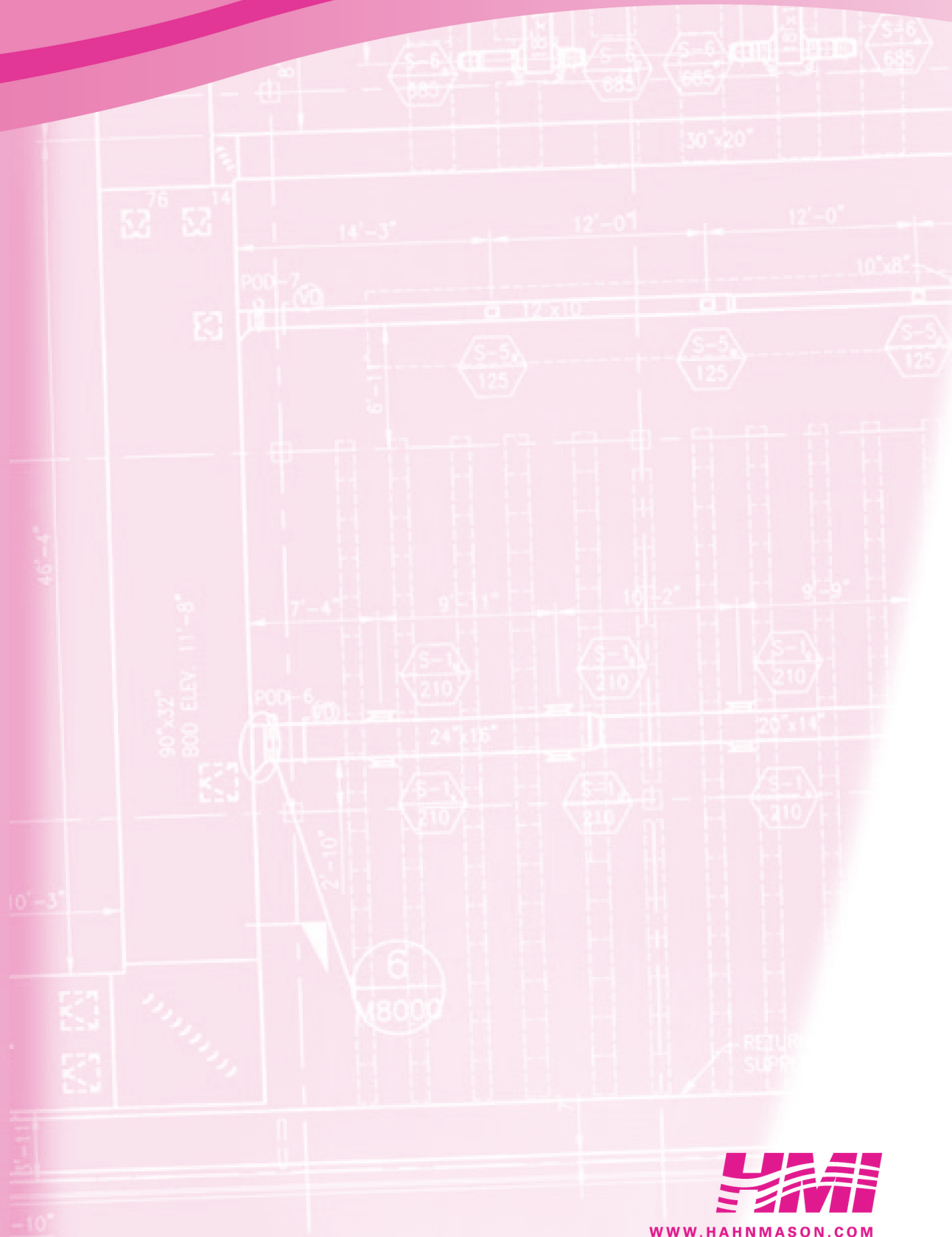


2020 STOCK CATALOG



WWW.HAHNMASON.COM



HAHN-MASON
AIR SYSTEMS

Home Office & Warehouse

Charlotte, NC
4901 Dwight Evans Road
Suite 120
Charlotte, NC 28217
[704] 523-5000 *phone*
[704] 523-5171 *fax*
[704] 523-5344 *warehouse phone*
[704] 523-5880 *warehouse fax*

Regional Offices

Raleigh, NC
1001 Wade Ave.
Suite 205
Raleigh, NC 27605
[919] 834-9230 *phone*
[919] 831-9714 *fax*

Asheville, NC
1796 Hendersonville Road
Suite S
Asheville, NC 28803
[828] 277-1544 *phone*
[828] 277-1564 *fax*

Charleston, SC
128 S. Main Street
Suite 1
Summerville, SC 29483
[843] 871-2493 *phone*
[843] 871-2510 *fax*

Columbia, SC
2330 Main Street
Columbia, SC 29201
[803] 978-2038 *phone*
[803] 978-2039 *fax*

Greensboro, NC
2915 Baltic Avenue
Greensboro, NC 27406
[336] 272-9198 *phone*
[336] 272-9299 *fax*

Greenville, SC
112 South Main Street
Suite E
Greer, SC 29651
[864] 655-5980 *phone*
[864] 655-5982 *fax*

Hickory, NC
511 S. Main Ave.
Newton, NC 28658
[828] 726-2412 *phone*
[828] 994-4249 *fax*

www.hahnmason.com



Hahn-Mason Air Systems, Inc is a manufacturers’ representative firm serving the commercial and industrial HVAC marketplace in the Carolinas. Since 1952, Hahn-Mason has developed a reputation for providing high quality equipment with a superior level of customer service.

Hahn-Mason Air Systems, Inc. represents the products of quality manufacturers ranging from grilles and diffusers to VAV terminal units; sheet metal products to specialty air handling equipment; industrial ventilation to laboratory and critical airflow control. Our sales engineers and support staff are equipped to handle your needs.

We thank you for your business and look forward to serving you in the future.



[AbsolutAir](#)

Commercial, Industrial & Kitchen Make-Up Air Units



[Airus](#)

Destratification Fans



[Antec Controls by Price](#)

Laboratory, healthcare, and pressure sensitive critical environmental air flow control (Formerly Price Critical Controls).



[Berko](#)

Electric space heating products



[Critical Environment Technologies](#)

Gas Detection Systems



[Re-Verber-Ray](#)

Gas fired infrared radiant heaters – Dry tube system



[Ductmate Industries*](#)

Access Doors for round, oval, rectangular duct



[Envirco](#)

HEPA Fan Filter Units and Specialty Filtration Products



[Grease Master](#)

Kitchen Exhaust Hood Systems



[IAP](#)

Dust, Mist, and Fume Collection



[Karp Company](#)

Access Doors – Standard & fire rated



[Kinetics Noise Control*](#)

Commercial/Industrial duct silencers, vibration & seismic isolation



[Metal-Fab, Inc.](#)

Boiler, water heater, engine and kitchen/grease duct ventilation systems



[Aerovent, Flakt, Inc.](#)

Industrial axial and centrifugal fans, roof ventilators, & controllable pitch vaneaxial fans



[AirMaid by Interzon](#)

Advanced cleaning technology for removal of grease and odors in ventilation ducts



[Armstrong International](#)

Steam, gas, and electric humidifiers



[CosaTron](#)

Air Purification Systems



[Compu-Aire](#)

Specialty air conditioners for critical electronic system facilities.



[Denlar](#)

Residential Kitchen Hoods with Integral Fire Suppression



[Eaton](#)

Adjustable frequency drives and motor starters



[GE](#)

PTAC/VTAC



[Honeywell Analytics](#)

Gas Detection Systems



[Imperial Metals*](#)

Roof Curbs, Equipment Rails and Specialty Metal Products



[KE Fibertec](#)

Textile based ventilation equipment



[Loren Cook Company](#)

Commercial and industrial fans, gravity ventilators, energy recovery ventilators



[Modine](#)

DOAS Units, Gas, Hydronic, & Electric Heaters, Make-Up Air Units, Unit Ventilators, CW/HW Ceiling Cassettes



[Nailor Industries*](#)

Air distribution, terminal units, fan coil units, louvers, fire/smoke/control dampers, custom air handlers



[Panasonic](#)

Mini-Splits, & VRF/Applied Split Systems, Single/Multi-Split Systems, & ECO-I VRF Split Systems, Fans



[Rickard Air Diffusion*](#)

VAV Diffusers – pneumatic, electronic, thermally powered



[Safe Air/Dowco, Inc.](#)

Fire/smoke/control/industrial dampers, access doors, louvers



[SEMCO](#)

Spiral and Specialty Ductwork, Engineered Housings, and Sound Attenuators



[SkyBlade Fans](#)

High volume low speed (HVLS) fans, Warehouse Fans, Dock & Door Fans



[Spunstrand, Inc.](#)

Fiberglass, reinforced plastic duct



[Thermal Corporation](#)

Custom air handling equipment



[Ventaire](#)

Vehicle exhaust fume removal and dust collection systems



[Nederman](#)

Vehicle Exhaust, Dust & Fume Collection, and Specialty Exhaust



[Precision Air Products Company](#)

Laminar Diffusers and OR/Specialty Healthcare Suite Integrated Ceiling Systems



[RTS- Eberl Iron](#)

Duct & Pipe Support, Equipment platforms, Crossover and walkways, penetrating and non-penetrating bases



[Seiho](#)

Specialty Air Distribution-RoundRegisterTM-SpotDiffuserTM-VentLouverTM



[Seresco](#)

Indoor pool dehumidification & dedicated 100% outside air units



[Specified Controls](#)



[Steril-Aire](#)

Ultraviolet (UVC) Emitters



[United Enertech](#)

Louvers, Dampers, Architectural Grilles, Ventilators

TERMS OF SALE

1. Prices listed are selling prices.
2. Terms of payment are net 30 days from date of invoice.
3. Items to be returned to stock are subject to a 20% restocking charge.
4. No sales taxes is included in the prices listed in this catalog.
5. All shipments are F.O.B. our Charlotte warehouse, freight prepaid and added to invoice.
6. Warranties: Standard manufacturer warranties to apply.
7. Pricing is subject to change without notice.
8. Title to all materials shall remain the sellers until the purchase price thereof is paid in full.
9. Claims:

The responsibility of Hahn-Mason Air Systems, Inc. ceases upon delivery of materials in good order to the carrier. Any claims for damages, shortages, or losses in transit must be filed by the customer against the transportation company once the material is received. Claims of shortage will not be considered unless made within 30 days after receipt of goods.
10. Return policy:

▶ Material must be returned within 90 days of purchase.

▶ Return authorization and shipping ticket or copy of HMI invoice to be included with return.

▶ Returns will be subject to a 20% restocking fee.

▶ Only stock items will be accepted for return here. If non-stock items are returned without authorization the customer will be responsible for the return freight. No credit will be issued.
11. All credit card transactions subject to a 5% surcharge.

TABLE OF CONTENTS

List of Product Manufacturers2&3

Terms & Conditions4

Air Distribution Cross Reference.....5

NAILOR AIR DISTRIBUTION

Supply Grilles & Registers6

Return Grilles & Door Grilles7

Perforated Supply Diffusers8

Square Ceiling / Plaque Supply Diffusers9

Round, Square Ceiling Diffusers & OBDs10

Perforated Return & Eggcrate Diffusers11

Lay-in Filtered Grilles & Plaster Frames12

Plenum Slot Diffusers and IDCO dampers13

Linear Slot Diffusers13

Rickard Thermo-Disc Ceiling Diffusers14

NAILOR AIR TERMINAL UNITS

Single Duct VAV Boxes Hot Water Coils.....15

Single Duct VAV Boxes (Accessories) Hot Water Coils16

Fan Powered Terminal Units with Electric Heat17-18

Specified Controls Control Dampers19

System Sensor Smoke Detectors19

3M Fire Barrier Wrap and Fire Pillow.....20

ACCESS DOORS

Ductmate Round, Oval, & Rectangular Duct21

Ductmate High Temp Door21

Karp Sheetrock Access Doors21

Karp Fire Rated Access Doors21

DAMPERS

Ceiling Radiation Dampers22

Dynamic Fire Dampers22

KINETICS NOISE CONTROL

Spring Isolators Isolation Pads23

LOREN COOK EXHAUST FANS

Loren Cook Cross Reference24

Ceiling Exhausters25-26

Ceiling Exhauster Accessories27

Centrifugal Roof Exhausters (direct drive)28

Centrifugal Roof Exhausters (belt drive)29-30

Centrifugal Square Inline Fans31

LOUVERS/RAILS/CURBS/PIPE PORTALS

Gravity Ventilators32

Roof Caps33

Equipment Rails and Roof Curbs34

Extruded Aluminum Louvers and Brick Vents, Back draft dampers35

Roof Products System Pipe Portals36-37

SPIRAL DUCT & FITTINGS

Spiral, Reducers, Saddle Taps.....38

90° Elbows, 45° Elbows, Dampers.....39

Couplings, Plugs, Bell Mouths.....40

Spiral Grilles and Gripple Hanging Cable41

FLEX AND TAPE

Royal Metals R-6 Insulated Flex, Duct Brace42

ATCO R-6 Uninsulated Flex/ UL Label Tape43

SHEET METAL ITEMS

Spin Ins, Start Collars Reducers44

Stick On Fittings, Wyes, Caps45

Snap lock pipe, Elbows.....46

Square to Round Transitions.....46

Vent Top Flashing47

High Efficiency Take offs, Damper Blades47

Miscellaneous Items47

Malco Tools.....48

DUCT SEALER/DUCT WRAP

Ductmate Duct Sealer.....49

Knauff Duct Wrap49

BERKO HEATERS

Wall Heaters50

Unit Heaters51

MEASURING INSTRUMENTS

Honeywell CO Gas Detector, Accessories52

MODINE GAS FIRED HEATERS53

DETROIT RADIANT INFRARED TUBE HEATERS.....54

DISCONTINUED WAREHOUSE ITEMS.....55

NEW ITEM

NEW ITEM

AIR DISTRIBUTION CROSS-REFERENCE

Nailor	Metal-Aire	Price	Titus	Tuttle & Bailey	Carnes
61DV	V4004	520S	300RS	T64	RSDBV
6145H	RH	530L	350RL	T70D	RSABH
4320CB	7000	PDC	PCS	PV	SPFB
61DGD	DGDF	STG/BF	T700L-AF	A980WF	RGCAD
4320L	7500	PDF	PAS	PP	SPAB
4360	7600R	PDDR	PAR	PR	SPRB
4302	SPRTB	PFRF	PXP	PTL	SPHB
RNS	5700	SCD	TMS	1200/1300	SFTB
6500	5500	SMD	TDC	MSR	SKTA
UNI	5850	SPD	OMNI	T-1100	SFPA
61EC	CC1	80	50F	CRE	RAEAC
DFA	TBPF	PFS	TRM	SMF	KXFAA
61FBL45	SRAF	530FF	350RLF	T70DFB	RSABD
61FEL	CC1S-FB-6	80FF	50FF	CB8500FB	RAPAF
61FPL	RP-FB	10FLB	8RF	PGFB	RSFA
5710I	PD110	TBD410	TBDI	SVPSI-075	DARB-B-R
5000	6600	SDS	ML	6X(1,2,5)	CH
5575	N/A	TBD2	TBD-FR	N/A	5575WB
4113	SPRTBFRS	10FR	7600-FRS	N/A	N/A
P3001	500/400TH	SPV	PESV	SDVP	AVCC-CX
D3001	500/400TH	SDV	DESV	SDVD	AVCC
P3230	400DD	DPS	PEDV w/ATT.	DDVP	ADCD-CF
35NE	400FVI	FDV	DTQP	FPV	ASEG
35SE	400FCI	FDC	DTQS	FPC	ACFG
5075	6575	SDS75	ML38	62	CHCB
5010	6510	SDS100	ML39	72	CHFB
5375 I	6075BPI	SDAI75	MPI38	DPI62	CXPA6-1
5310 I	6100BPI	SDAI10	MPI39	DPT72	CXPA8-1
4275	D3	VCR	AG-75	RON	KXMB
RNR	3100	RCDE	TMR	P3	SSEA

This Cross Reference Guide is for your assistance when selecting products with competitors’ specifications and models. HMI is only making a recommendation and will not assume any liability for making this recommendation.

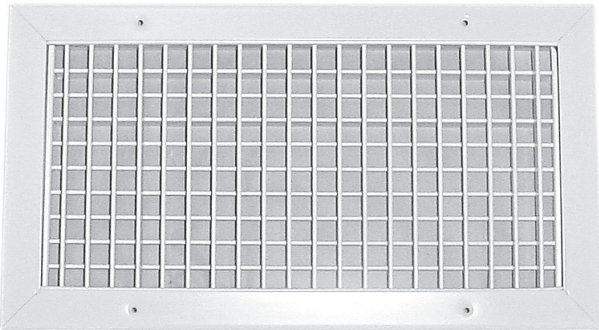
SUPPLY GRILLES



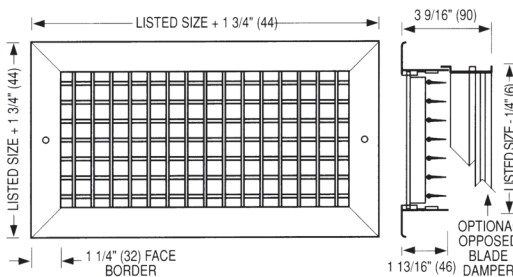
Size (inches)	CFM @ NC 30	Net Each	With OBD
6 x 6	220	\$16.00	\$27.00
8 x 4	220	\$16.00	\$27.00
8 x 6	270	\$16.00	\$27.00
8 x 8	350	\$18.00	\$29.00
10 x 4	220	\$18.00	\$30.00
10 x 6	340	\$18.00	\$33.00
10 x 8	450	\$18.00	\$33.00
10 x 10	550	\$19.00	\$33.00
12 x 4	270	\$18.00	\$32.00
12 x 6	400	\$18.00	\$32.00
12 x 8	520	\$19.00	\$33.00
12 x 10	675	\$21.00	\$35.00
12 x 12	720	\$25.00	\$39.00
14 x 6	450	\$19.00	\$34.00
14 x 8	525	\$21.00	\$35.00
14 x 10	720	\$28.00	\$43.00
14 x 12	800	\$28.00	\$44.00
14 x 14	920	\$30.00	\$48.00
16 x 6	540	\$21.00	\$37.00
16 x 8	640	\$25.00	\$42.00
16 x 10	870	\$28.00	\$45.00
16 x 12	920	\$30.00	\$47.00
18 x 6	525	\$26.00	\$43.00
18 x 8	720	\$28.00	\$46.00
18 x 10	900	\$30.00	\$49.00
18 x 12	1050	\$33.00	\$53.00
20 x 6	675	\$28.00	\$45.00
20 x 8	800	\$29.00	\$47.00
20 x 10	920	\$33.00	\$53.00
24 x 6	720	\$30.00	\$50.00
24 x 8	920	\$33.00	\$54.00
24 x 10	1170	\$37.00	\$58.00
24 x 12	1320	\$38.00	\$61.00
30 x 8	1230	\$39.00	\$69.00
30 x 10	1320	\$44.00	N/A
30 x 12	1624	\$49.00	\$85.00
36 x 8	1320	\$49.00	\$85.00
36 x 10	1624	\$54.00	\$92.00
36 x 12	1953	\$59.00	\$99.00

Supply Registers/Grilles: Model 61DV

- Double deflection adjustable type
- Vertical front blades, horizontal rear blades
- Corrosion-resistant steel construction
- 1¼" border with countersunk screws holes
- Appliance white baked enamel finish
- Optional opposed blade damper



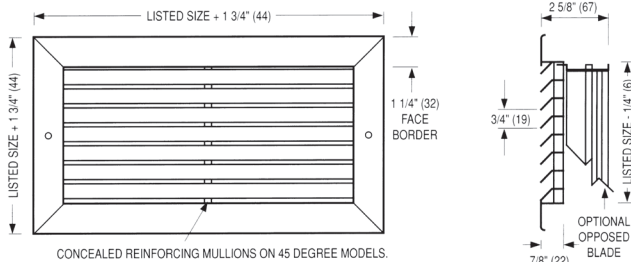
Model 61DV (Vertical Front Blades)



RETURN GRILLES

Return Registers/Grilles: Model 6145H Surface Mount

- Single 45° fixed horizontal blades spaced at ¾" centers
- Corrosion-resistant steel construction
- Appliance white baked enamel finish
- Optional opposed blade damper
- Surface mount frame with countersunk screw holes (shown below) or Lay-In frame



Model 6145H

Size (inches)	CFM @ NC 30	Net Each	With OBD
6 x 6	170	\$11.00	\$22.00
8 x 8	300	\$14.00	\$25.00
10 x 6	280	\$14.00	\$29.00
10 x 8	350	\$14.00	\$29.00
10 x 10	450	\$16.00	\$30.00
12 x 6	300	\$14.00	\$28.00
12 x 8	430	\$16.00	\$30.00
12 x 10	518	\$16.00	\$30.00
12 x 12	620	\$17.00	\$31.00
14 x 8	455	\$17.00	\$31.00
14 x 10	620	\$17.00	\$32.00
14 x 12	720	\$20.00	\$36.00
14 x 14	868	\$21.00	\$39.00
16 x 8	518	\$17.00	\$34.00
16 x 12	860	\$21.00	\$38.00
16 x 16	1066	\$25.00	N/A
18 x 12	900	\$21.00	\$41.00
18 x 18	1350	\$33.00	N/A
20 x 8	800	\$22.00	\$40.00
20 x 12	1012	\$26.00	N/A
20 x 20	1566	\$37.00	N/A
24 x 6	600	\$21.00	\$41.00
24 x 8	840	\$21.00	\$42.00
24 x 12	1185	\$27.00	\$50.00
24 x 16	1500	\$33.00	N/A
24 x 18	1566	\$37.00	N/A
24 x 24	2200	\$49.00	N/A
30 x 12	1475	\$33.00	\$69.00
30 x 16	1900	\$39.00	N/A
30 x 24	2600	\$59.00	N/A
30 x 30	3200	\$71.00	N/A
36 x 18	2375	\$52.00	N/A
36 x 24	3160	\$69.00	N/A
36 x 36	4345	\$117.00	N/A
48 x 24	3900	\$85.00	N/A
48 x 30	3900	\$109.00	N/A
48 x 48	7015	\$216.00	N/A

Return Registers/Grilles: Model 6145H Lay-In

Size (inches)	Net Each	With OBD
24 x 12 / 22 x 10	\$22.00	\$42.00
24 x 24 / 22 x 22	\$40.00	\$74.00
24 x 48 / 22 x 46	\$73.00	N/A

Door Return Grilles:
Model 61DGD with Auxiliary Frame

- Inverted V-blades on ½" centers
- Made with heavy gauge, corrosion resistant steel
- Aluminum finish



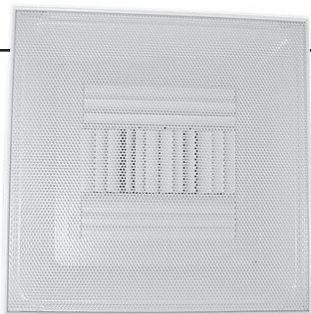
Size (inches)	Net Each
12 x 12	\$57.00
16 x 16	\$75.00
18 x 12	\$64.00
18 x 18	\$83.00
24 x 12	\$71.00

** Spiral Duct Mounted Grilles On Page 41 **

PERFORATED
SUPPLY DIFFUSERS



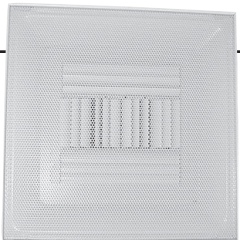
▸ 24x24 Insulated(R-4.2)
Blankets - Neck to
be field cut
\$9.00 Each



Perforated Supply Diffusers

- Adjustable pattern controllers
 - Removable face
- Corrosion-resistant steel construction
- Appliance white baked enamel finish
 - Optional opposed blade damper
- 24x24 Lay-In frame or Surface mount frame
- Surface mounted diffusers includes plaster frame

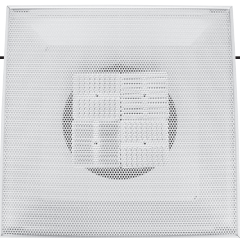
Neck Size (inches)	Panel Size (inches)	CFM @ NC 30	Net Each (see pg. 9 for OBD pricing)
6	24 x 24	125	\$30.00
8	24 x 24	225	\$30.00
10	24 x 24	300	\$32.00
12	24 x 24	420	\$32.00
14	24 x 24	535	\$33.00
16	24 x 24	625	\$35.00



Perforated Supply Diffuser:
Model 4320CB Lay-In

- Pattern controllers
located in neck
- Blades are individually
adjustable

Neck Size (inches)	Panel Size (inches)	CFM @ NC 30	Net Each (see pg. 9 for OBD pricing)
6	24 x 24	150	\$28.00
8	24 x 24	250	\$28.00
10	24 x 24	335	\$28.00
12	24 x 24	450	\$28.00
14	24 x 24	540	\$28.00
16	24 x 24	625	\$31.00

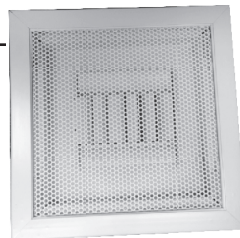


Perforated Supply Diffuser:
Model 4320 Lay-In

- Pattern controllers located
on inside of face

Neck Size (inches)	Panel Size (inches)	CFM @ NC 30	Net Each (see pg. 9 for OBD pricing)
6	12 x 12	115	\$38.00

All surface mounted diffusers will be furnished with plaster frame.

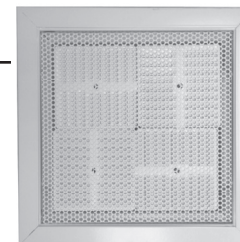


Perforated Supply Diffuser:
Model 4320CB Surface Mount

- Pattern controllers
located in neck
- Blades are individually
adjustable

Neck Size (inches)	Panel Size (inches)	CFM @ NC 30	Net Each (see pg. 9 for OBD pricing)
6	12 x 12	150	\$37.00
8	12 x 12	250	\$37.00

All surface mounted diffusers will be furnished with plaster frame.



Perforated Supply Diffuser:
Model 4320 Surface Mount

- Pattern controllers located
on inside of face

▸ Matching perforated returns
listed on page 11



UNI DIFFUSERS &
SQUARE CEILING SUPPLY DIFFUSERS

Ceiling Diffuser: Model UNI2

- Architectural plaque design
- 360° diffusion pattern
- Corrosion-resistant steel
construction
- Appliance white baked enamel
finish
- 24x24 or 12x12 lay-in frame
- Optional opposed blade damper - See page 10
- 24x24 Insulated Blankets (R-4.2)
\$9.00 Each
- 24x24 Fineline Frame

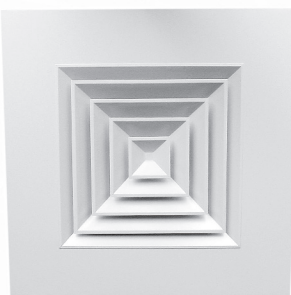


Neck Size/ Panel Size (inches)	CFM @ NC 30	Net Each	UNI 2 Fineline Net Each	NEW ITEM
6 / 12 x 12	215	\$41.00	N/A	
8 / 12 x 12	375	\$41.00	N/A	
6 / 24 x 24	245	\$38.00	\$44.00	
8 / 24 x 24	360	\$38.00	\$44.00	
10 / 24 x 24	555	\$38.00	\$44.00	
12 / 24 x 24	720	\$38.00	\$44.00	
14 / 24 x 24	955	\$38.00	\$44.00	
15 / 24 x 24	1080	\$38.00	\$44.00	

OB. Baffle available which converts the UNI to
1,2,3 way blow patterns. Net each \$10.00

Ceiling Diffuser: Model 6500L Lay-In

- Louvered face design
- High capacity with
removable core
- Corrosion-resistant
steel construction
- Appliance white
baked enamel finish
- 24 x 24 Panel Size
- 12 x 12 Panel (6x6 & 9x9)
- 24x24 Insulated Blankets
(R-4.2) \$9.00 Each



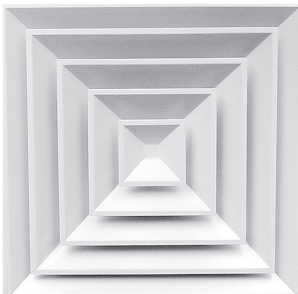
Neck Size (inches)	CFM @ NC 30	Net Each	Square to Round	Square OBD
6 x 6 / 6	180	\$36.00	\$8.00	\$10.00
6 x 6 / 12 x 12 panel	180	\$37.00	\$8.00	\$10.00
9 x 9 / 12 x 12 panel	375	\$42.00	\$10.00	\$12.00
9 x 9 / 9-8-6	375	\$40.00	\$10.00	\$12.00
12 x 12 / 12-10-8	630	\$49.00	\$11.00	\$13.00
15 x 15 / 14-12-10	935	\$60.00	\$12.00	\$23.00
18 x 18 / 16-14	1225	\$72.00	\$15.00	\$26.00
21 x 21 / 20-18-16	1630	\$94.00	\$19.00	\$29.00

For available round sizes, see above.
Square to round transitions shipped loose.
* See page 44 for additional transition sizes.

6500S Surface Mount Frame

Ceiling Opening =
Normal Duct size + 3"

- 24x24 Insulated Blankets
(R-4.2) \$9.00Each



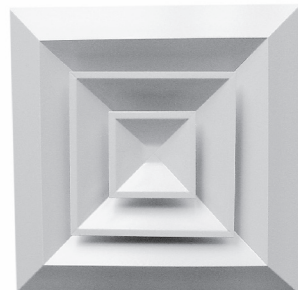
Neck Size (inches)	CFM @ NC 30	Net Each	Square to Round	Square OBD
6 x 6 / 6	180	\$25.00	\$8.00	\$10.00
9 x 9 / 9-8	375	\$27.00	\$10.00	\$12.00
12 x 12 / 12-10-8	630	\$37.00	\$11.00	\$13.00
15 x 15 / 14-12-10	935	\$47.00	\$12.00	\$23.00

For available round sizes, see above.
Square to round transitions shipped loose.
* See page 44 for additional transition sizes.

6500B Surface Mount with beveled drop face

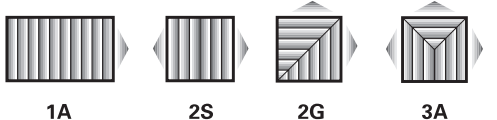
Ceiling Opening =
Normal Duct size + 1"

- 24x24 Insulated Blankets -
(R-4.2) \$9.00Each



Neck Size (inches)	CFM @ NC 30	Net Each	Square to Round	Square OBD
6 x 6 / 6	180	\$25.00	\$8.00	\$10.00
9 x 9 / 9-8	375	\$27.00	\$10.00	\$12.00
12 x 12 / 12-10-8	630	\$37.00	\$11.00	\$13.00
15 x 15 / 14-12-10	935	\$47.00	\$12.00	\$23.00
18 x 18 / 16-14	1225	\$60.00	\$15.00	\$26.00

For available round sizes, see above. Square to round transitions
shipped loose.



Square to rounds are available.
Blow patterns available at additional charge.

ROUND, SQUARE CEILING DIFFUSERS
& CEILING DAMPERS



Neck Size (inches)	CFM @ NC 30	Net Each (see below for OBD pricing)
6	185	\$63.00
8	305	\$65.00
10	491	\$71.00
12	715	\$80.00
14	835	\$93.00
16	1140	\$115.00
18	1480	\$139.00



Round Ceiling Diffuser:
Model RNR

- Two-position adjustable cones
- Removable inner cone assembly
- Corrosion-resistant steel construction
- Appliance white baked enamel finish

Neck Size (inches)	CFM @ NC 30	Net Each (see below for OBD pricing)	Insulated
6 / 12 x 12	215	\$26.00	NA
8 / 12 x 12	355	\$26.00	NA
6 / 24 x 24*	250	\$38.00	\$48.00
8 / 24 x 24*	380	\$38.00	\$48.00
10 / 24 x 24*	525	\$38.00	\$48.00
12 / 24 x 24*	735	\$38.00	\$48.00
14 / 24 x 24	975	\$38.00	NA



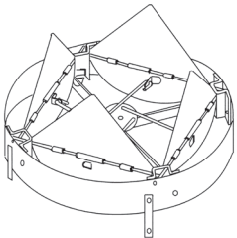
Square Ceiling Diffuser:
Model RNS Lay-in

- Louvered panel face with round neck
- Removable inner cone
- Corrosion-resistant steel construction
- Appliance white baked enamel finish
- 3 cone pattern

*Available with Insulated Backs (R-4.2) Insulation
** 12 x 12 in 4 cone pattern

Radial Opposed Blade Damper: Model 4275

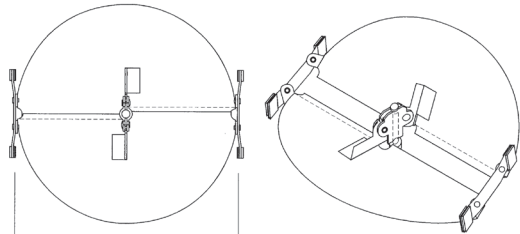
Neck Size (inches)	Net Each
6	\$17.00
8	\$18.00
10	\$20.00
12	\$24.00
14	\$27.00
16	\$31.00
18	\$74.00



- Install on diffuser neck
- Adjustment from diffuser face
- Galvanized steel construction

Butterfly Damper: Model 4675

Neck Size (inches)	Net Each
6	\$10.00
8	\$13.00
10	\$15.00
12	\$17.00



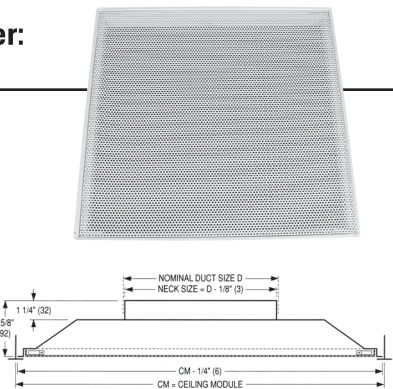
- Model 4675 not compatible with Nailor RNR



PERFORATED RETURN
& EGGCRATE DIFFUSERS

Perforated Return Diffuser:
Model 4360 Lay-In

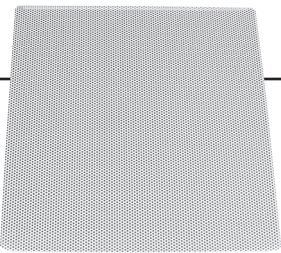
- Removable face
- Corrosion-resistant steel construction
- Appliance white baked enamel finish
- DFA surface mount plaster frames available



Neck Size (inches)	Panel Size (inches)	CFM @ NC 30	Net Each
6	24 x 24	205	\$28.00
8	24 x 24	349	\$28.00
10	24 x 24	460	\$28.00
12	24 x 24	650	\$28.00
14	24 x 24	855	\$28.00
16	24 x 24	1000	\$29.00
22 x 22	24 x 24	1900	\$26.00
22 x 46	24 x 48	3600	\$53.00
22 x 10	24 x 12	925	\$26.00

Perforated Return Panel:
Model 4302

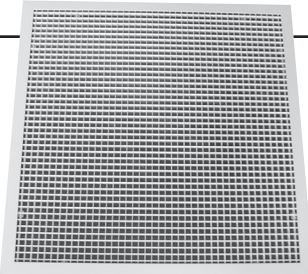
- Return panel only, for lay-in ceilings, no frame
- Appliance white baked enamel finish



Neck Size (inches)	CFM @ NC 30	Net Each
24 x 12	900	\$14.00
24 x 24	1900	\$18.00
24 x 48	3500	\$27.00

Eggcrate Return Grilles:
Model 61EC

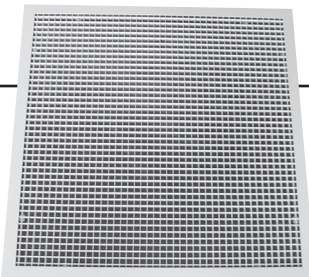
- 1/2" x 1/2" x 1/2" aluminum eggcrate core
- Steel frame border
- Surface mount frame with countersunk screwholes
- Appliance white baked enamel finish



Neck Size (inches)	CFM @ NC 30	Net Each	With OBD
6 x 6	200	\$14.00	\$25.00
8 x 8	342	\$15.00	\$26.00
10 x 10	495	\$17.00	\$31.00
12 x 12	740	\$19.00	\$33.00
14 x 14	992	\$25.00	\$43.00
16 x 16	1200	\$29.00	N/A
18 x 18	1510	\$31.00	N/A
20 x 20	1875	\$35.00	N/A

Eggcrate Return Grilles:
Model 61EC Lay-In

- Steel frame border
- 1/2" x 1/2" x 1/2" aluminum eggcrate core
- Appliance white baked enamel finish



Neck Size (inches)	Panel Size (inches)	CFM @ NC 30	Net Each	With OBD
22 x 10	24 x 12	1285	\$21.00	\$39.00
22 x 22	24 x 24	2300	\$41.00	\$75.00
22 x 46	24 x 48	4400	\$96.00	N/A
22 x 22*	24 x 24	2300	\$44.00	\$80.00

*Core is removable for easy cleaning. Recommended for restaurants.

- White Plastic Eggcrate for lay-in T-bar ceiling.
- Straight blade 1/2" x 1/2" x 1/2".

Size (inches)	Net Each
24 x 24	\$25.00
24 x 48	\$30.00

PLASTER FRAMES & LAY-IN FILTERED GRILLES

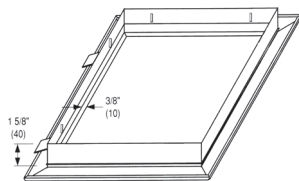


Size (inches)	Net Each
12 x 12	\$16.00
16 x 16	\$17.00
20 x 20	\$22.00
24 x 12	\$22.00
24 x 24	\$23.00
48 x 24	\$49.00



Plaster Frame: Model DFA

- ▶ Allows installation of lay-in diffuser or grille in hard ceiling
- ▶ Aluminum construction
- ▶ Appliance white baked enamel finish



Size	Net Each
2' x 2 Slots	\$16.00
4' x 1 Slot	\$16.00
4' x 1.5 Slots	\$19.00
4' x 2 Slots	\$19.00
4' x 3 Slots	\$24.00



Slot Diffuser Mounting Frame: Model PF

- ▶ Frame to be used in a sheetrock or plaster ceiling
- ▶ Plaster frames are made for 1\"/>



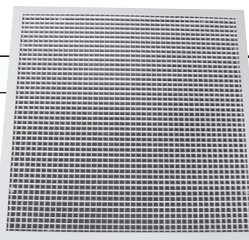
Neck Size / Panel Size (inches)	CFM @ NC 30	Net Each
20 x 20 / 24 x 24	1566	\$64.00



Lay-In Filter Grille: Model 61FBL45

- ▶ Louvered Face, Lay-in Filter Grille
- ▶ Corrosion-resistant steel construction
- ▶ Appliance white baked enamel finish

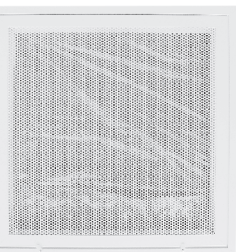
Neck Size / Panel Size (inches)	CFM @ NC 30	Net Each
20 x 20 / 24 x 24	1900	\$72.00



Eggcrate Lay-In Filter Grille: Model 61FEL

- ▶ Eggcrate, Lay-in Filter Grille
- ▶ 1/2\"/>

Neck Size / Panel Size (inches)	CFM @ NC 30	Net Each
20 x 20 / 24 x 24	1827	\$56.00



Perforated Lay-In Filter Grille: Model 61FPL

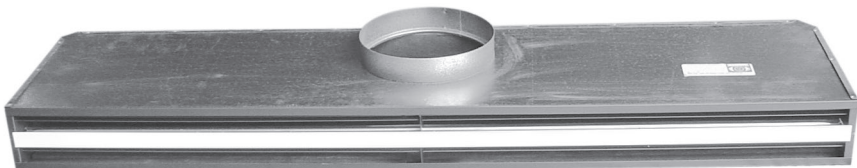
- ▶ Perforated Face, Lay-in Filter Grille
- ▶ Corrosion-resistant steel construction
- ▶ Appliance white baked enamel finish

All filter grilles accommodate a 1" filter (Supplied by others)



PLENUM & LINEAR SLOT DIFFUSERS

Plenum Slot Diffuser: Model 5710I - 5810I



- ▶ Adjustable vertical/horizontal pattern
- ▶ Insulated plenum
- ▶ 1" wide slots
- ▶ Lay-In frame

▶ For Surface Mount application see frames on page 12.

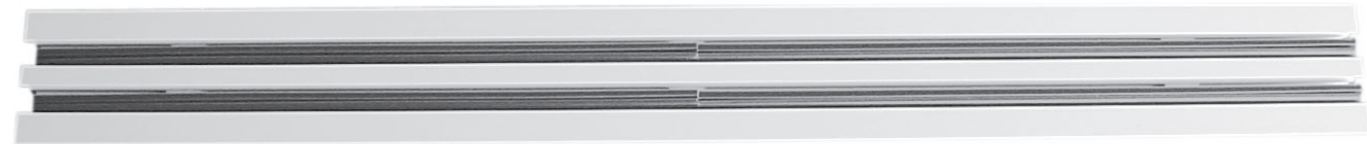
Model	Size/ Slot	Neck Size	Unit Width	Unit Height	CFM@ NC30	Net Each
5710I	2'x 2 slots	6"round	4"	11"	115	\$48.00
5710I	2'x 2 slots	8"round	4"	11"	135	\$48.00
5710I	4'x 1 slots	8"round	2"	11"	150	\$59.00
5710I	4'x 2 slots	8"round	4"	11"	200	\$66.00
5710I	4'x 2 slots	10"oval	4"	11"	265	\$66.00
5710I	4'x 2 slots	12"oval	4"	11"	325	\$66.00
5710I	4'x 3 slots	12"oval	6"	11"	500	\$93.00
5715I	4'x 2 slots	10"oval	5"	11"	325	\$66.00
5810I*	2'x 2 slots	8"round	4"	11"	110	\$55.00
5810I*	4'x 2 slots	8"round	4"	11"	200	\$93.00
5810I*	4'x 2 slots	10"oval	4"	11"	220	\$93.00

*5810 have ice tong blades.

Linear Slot Ceiling Diffuser: Model Series 5000

- ▶ Lay-in or surface mount frame - **Specify when ordering**
- ▶ Extruded aluminum appliance white frame
- ▶ Steel black pattern controllers
- ▶ Type C - Concealed Mounting

- ▶ Unobtrusive architectural appearance
- ▶ 180° pattern controller adjustment
- ▶ Stocked in 4' or 6' length
- ▶ See below for specific slot model number



Slot Model	Slot Length	Slot Width	Number of Slots	Net Each	Plenum Model	Inlet	Add for Plenums
5075	4'	3/4"	1	\$59.00	5375	8"	\$46.00
5075	4'	3/4"	2	\$81.00	5375	8"or 10"	\$48.00
5010	4'	1"	2	\$81.00	5310	8"or 10"	\$48.00
5010	6'	1"	2	\$108.00	N/A	N/A	N/A

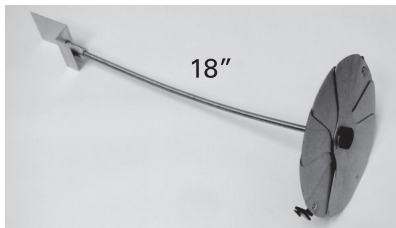
- ▶ 6' diffusers are to be field cut for specified length (by others)
- ▶ All plenums have internal insulation. When ordering plenums, please specify neck size. 8" or 10"
- ▶ 8" inlet on plenum is round
- ▶ 10" inlet on plenum is round

*Plenums for 6' slots need to be ordered from factory

IDCO Dampers

- ▶ Radial Sliding Blade
- ▶ Flexible Rotary Cable connects damper to a Phillips head screw operator mounted inside the plenum permitting air balance
- ▶ 6" - \$61.00
- ▶ 8" - \$61.00
- ▶ 10" - \$61.00
- ▶ 12" - \$61.00

NEW ITEM



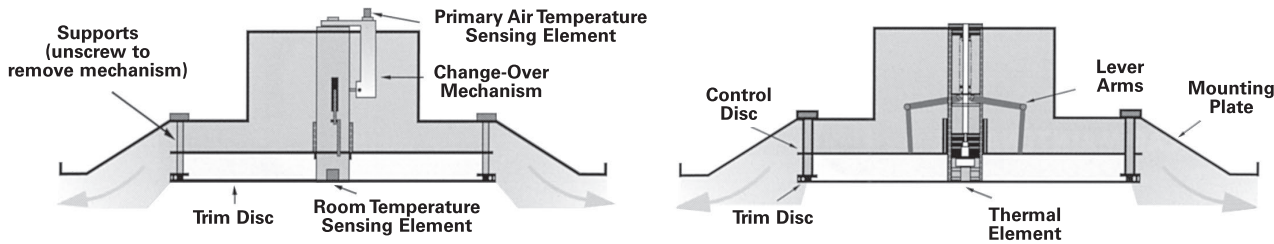
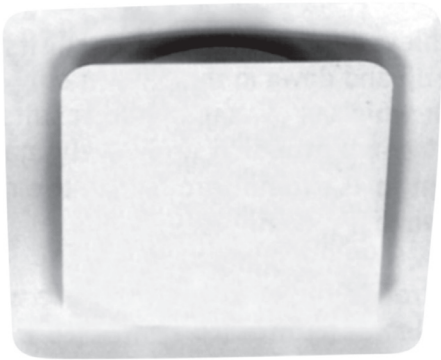
VARIABLE GEOMETRY
THERMO-DISC CEILING DIFFUSER



VAV BOXES

Variable Geometry Thermo-Disc Ceiling Diffuser: Model VSD-4

The Rickard Model VSD-4 Variable Geometry Thermo-Disc Ceiling Diffuser is a thermally powered VAV diffuser which contains its own temperature sensing and volume control mechanism. The VSD-4 series will provide full VAV temperature control in both cooling and heating modes. The change-over between control modes is automatic and is carried out by means of a unique change-over mechanism. The change-over mechanism is operated by means of a thermal element identical to the one used for sensing room temperature. The Thermo-Disc is reliable and requires no routine preventative maintenance. All diffusers are lay-in models. Each diffuser can be surface mounted by using an auxiliary frame.

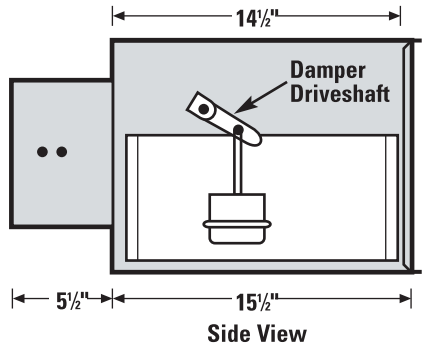
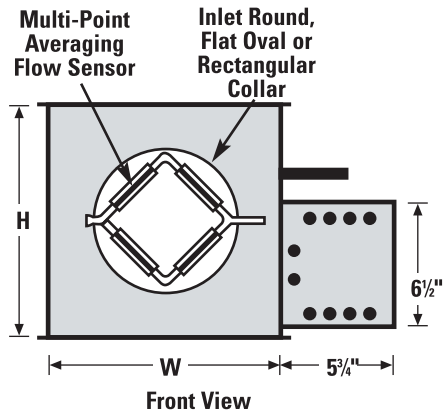
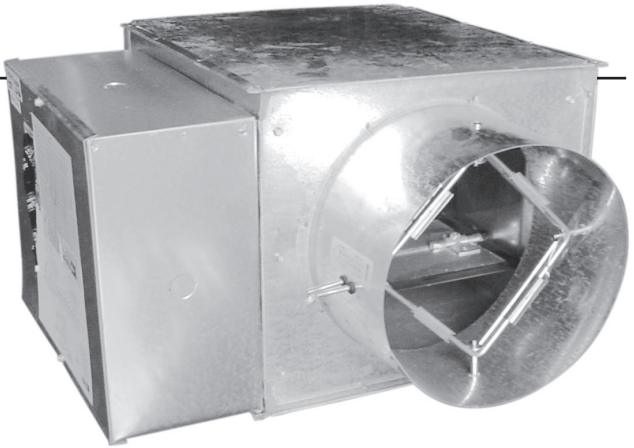


Neck Size (inches)	Reading	Neck Total Pressure (in w.g.)									
		0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36	0.40	
6	Flow (c.f.m.)	85	104	119	133	146	159	169	180	189	
	Throw (ft.)	4.9	6.9	8.9	9.8	10.8	11.5	12.1	13.1	13.8	
	N.C. Level	-	-	-	-	26	28	31	33	35	
8	Flow (c.f.m.)	203	250	290	324	358	390	413	438	462	
	Throw (ft.)	6.6	8.5	9.8	10.5	11.8	12.8	13.8	14.8	15.4	
	N.C. Level	-	27	28	29	30	33	36	38	40	
10	Flow (c.f.m.)	297	362	419	468	513	553	591	627	663	
	Throw (ft.)	7.9	8.5	10.5	11.5	12.8	13.8	14.8	15.4	16.7	
	N.C. Level	-	27	29	31	33	36	38	40	42	
12	Flow (c.f.m.)	373	452	530	593	650	703	752	798	843	
	Throw (ft.)	8.2	9.2	10.8	12.1	13.8	15.1	15.7	17.1	17.7	
	N.C. Level	27	27	30	32	35	37	39	41	43	

Contact your local HMI office for pricing.

VAV Box: Model D3001
Single Duct Terminal Unit without Controls

- Heavy gauge steel housing
- Mechanically sealed and gasketed, leak resistant construction
- Meets requirements of NFPA 90A, NFPA 90B, and UL 181
- Multipoint inlet velocity sensor with center averaging
- Tight close-off damper. Leakage is less than 2% of nominal cfm at 3" wg as certified ARI 880
- Slip-and-drive discharge duct connection
- All units have fiber free liner - 3/4" thick
- All units with Control Enclosure
- All units with Access Door



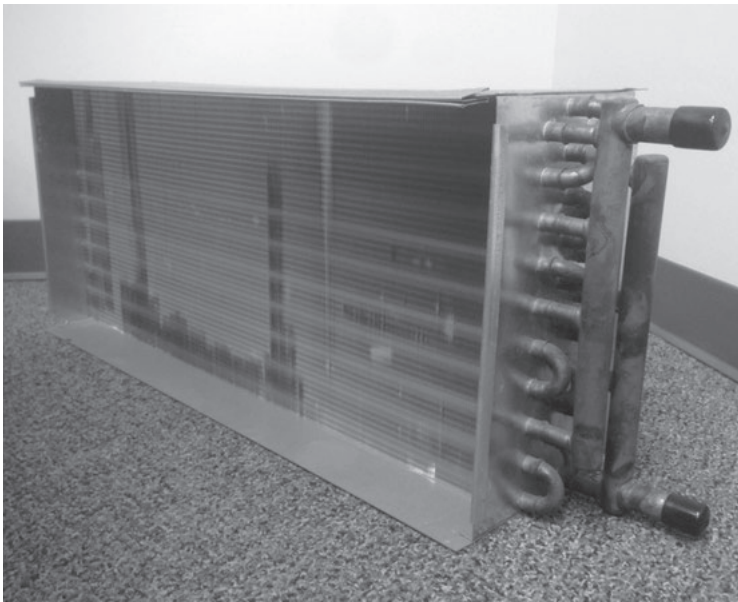
Dimensional Data

Imperial Units (inches)							
Unit Size (inches)	Recommended CFM Range	Width (inches)	Height (inches)	Inlet (inches)	Model 3001 with No Controls	add for 2 Row Hot Water Coil	add for 1 Row Hot Water Coil
4	0-150	10	10	3 7/8 Round	\$137.00	\$82.00	\$63.00
5	0-250	10	10	4 7/8 Round	\$137.00	\$82.00	\$63.00
6	0-400	10	10	5 7/8 Round	\$137.00	\$82.00	\$63.00
8	0-700	12	12 1/2	7 7/8 Round	\$161.00	\$88.00	\$68.00
10	0-1100	14	12 1/2	9 7/8 Round	\$172.00	\$97.00	\$80.00
12	0-1600	18	12 1/2	12 15/16 x 9 13/16 Oval	\$178.00	\$128.00	
14	0-2100	24	12 1/2	16 1/16 x 9 13/16 Oval	\$220.00	\$157.00	
16	0-2800	28	12 1/2	19 3/16 x 9 13/16 Oval	\$231.00	\$163.00	
24 x 16	0-5350	38	18	23 3/4 x 15 1/2 Rectangular	\$293.00	\$249.00	

*Analog Electric Controls for VAV will need to be ordered from the factory.
Please contact your local Sales Office.

* Pneumatic VAV - Price D3001, Velocity Controller and Gold Pneumatic Operator.
* Accessories furnished loose.
* Tstat - by others

Control Accessories	Net Each
Velocity Controller (DA/NO or RA/NC)	\$182
Johnson Pneumatic Operator 5-10 PSI (Black)	\$83
Kreuter Pneumatic Operator 5-10 PSI (Gold)	\$70
120/208/240 to 24v Transformer	\$25
277 to 24v Transformer	\$25
Honeywell Model MS 8104F10 - 24V	\$150
Honeywell Model MS 4104F10 - 120V	\$150



Hot Water Coils - 1 Row & 2 Row

- ▶ ½ " O.D. copper tubes
- ▶ Aluminum sine-wave corrugation and rippled fins, 10 fins per inch
- ▶ 20 ga. galvanized steel casing
- ▶ Connection is slip and drive to ductwork
- ▶ AHRI Certified

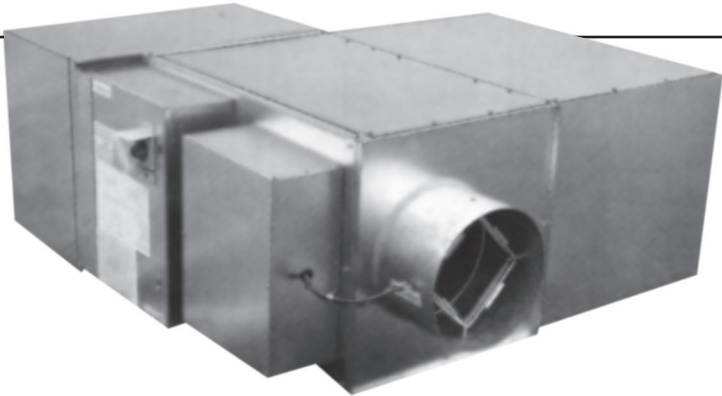
Pricing on page 15

Dimensional Data - Hot Water Coils - 1 Row & 2 Row

Imperial Units (inches)		
Unit Size	Width	Height
4	10	10
5	10	10
6	10	10
8	12	12½
10	14	12½
12	18	12½
14	24	12½
16	28	12½
24 x 16	38	18

Universal Fan Powered Terminal

Model D35NE and D35SE Fan Terminals with electric heat. These units are stocked with the KWs and voltages scheduled, however the KWs and voltages can be changed to accommodate most of your requirements. Check with our sales office.



Accessories include:

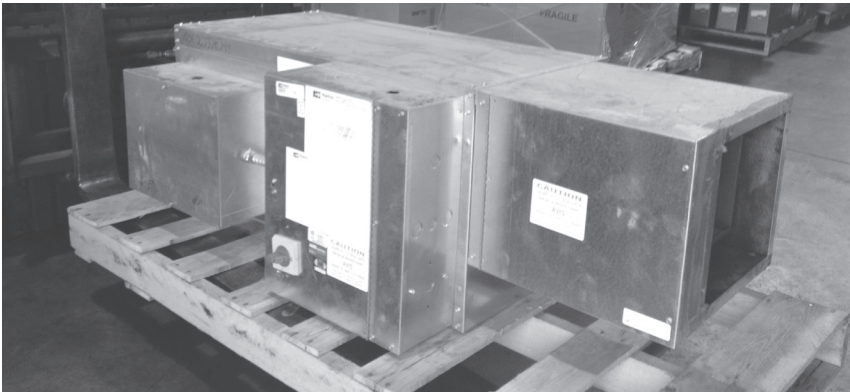
- ▶ Intake filters
- ▶ Disconnect switch (Non-Fused)
- ▶ Inlet sensor (for DDC)
- ▶ Parallel units with PSC motors
- ▶ Fiber Free Liner

Stock Fan Powered Terminal Units with Various Available Electric Heat Options

Model	Unit Size	Inlet Size	Primary CFM Range	Fan CFM Range @ .25	Elect. Char.	Available kW	Available Stages
35NE	2	8"ø	140 - 750	200 - 625	277/1/60	0.8	1
35NE	2	8"ø	140 - 750	200 - 625	277/1/60	1.6	1
35NE	2	8"ø	140 - 750	200 - 625	277/1/60	3.3	1
35NE	2	8"ø	140 - 750	200 - 625	277/1/60	2.5	1
35NE	2	8"ø	140 - 750	200 - 625	277/1/60	5.0	1
35NE	2	8"ø	140 - 750	200 - 625	480/3/60	5.0	2
35NE	2	8"ø	140 - 750	200 - 625	480/3/60	5.0	3
35NE	3	10"ø	220 - 1200	500 - 1120	277/1/60	0.8	1
35NE	3	10"ø	220 - 1200	500 - 1120	277/1/60	1.5	1
35NE	3	10"ø	220 - 1200	500 - 1120	277/1/60	2.5	1
35NE	3	10"ø	220 - 1200	500 - 1120	277/1/60	3.3	1
35NE	3	10"ø	220 - 1200	500 - 1120	277/1/60	5.0	1
35NE	3	10"ø	220 - 1200	500 - 1120	277/1/60	5.8	1
35NE	3	10"ø	220 - 1200	500 - 1120	277/1/60	6.6	1
35NE	3	10"ø	220 - 1200	500 - 1120	480/3/60	5.0	2
35NE	3	10"ø	220 - 1200	500 - 1120	480/3/60	5.0	3
35NE	3	10"ø	220 - 1200	500 - 1120	480/3/60	10.0	2
35NE	3	10"ø	220 - 1200	500 - 1120	480/3/60	10.0	3
35NE	5	12"ø	300 - 1750	800 - 1525	277/1/60	1.7	1
35NE	5	12"ø	300 - 1750	800 - 1525	277/1/60	3.3	1
35NE	5	12"ø	300 - 1750	800 - 1525	277/1/60	3.6	1
35NE	5	12"ø	300 - 1750	800 - 1525	277/1/60	5.0	1
35NE	5	12"ø	300 - 1750	800 - 1525	277/1/60	10.0	1
35NE	5	12"ø	300 - 1750	800 - 1525	480/3/60	5.0	3
35NE	5	12"ø	300 - 1750	800 - 1525	480/3/60	10.0	2
35NE	5	12"ø	300 - 1750	800 - 1525	480/3/60	10.0	3
35NE	5	12"ø	300 - 1750	800 - 1525	480/3/60	15.0	2
35NE	5	12"ø	300 - 1750	800 - 1525	480/3/60	15.0	3

Contact your local HMI office for pricing.

FAN POWERED
TERMINAL UNITS



Model	Unit Size	Inlet Size	Primary CFM Range	Fan CFM @.25	Electric Charge	Available kW	Available Stages
35SE	3	10"ø	175 - 750	175 - 750	277/1/60	.08	1
35SE	3	10"ø	175 - 750	175 - 750	277/1/60	1.5	1
35SE	3	10"ø	175 - 750	175 - 750	277/1/60	2.5	1
35SE	3	10"ø	175 - 750	175 - 750	277/1/60	3.3	1
35SE	3	10"ø	175 - 750	175 - 750	277/1/60	5.0	1
35SE	3	10"ø	175 - 750	175 - 750	277/1/60	5.8	1
35SE	3	10"ø	175 - 750	175 - 750	277/1/60	6.6	1
35SE	3	10"ø	175 - 750	175 - 750	480/3/60	5.0	2
35SE	3	10"ø	175 - 750	175 - 750	480/3/60	5.0	3
35SE	3	10"ø	175 - 750	175 - 750	480/3/60	10.0	2
35SE	3	10"ø	175 - 750	175 - 750	480/3/60	10.0	3

35SE	5	12"ø	350 - 1750	350 - 1750	277/1/60	1.7	1
35SE	5	12"ø	350 - 1750	350 - 1750	277/1/60	3.3	1
35SE	5	12"ø	350 - 1750	350 - 1750	277/1/60	3.6	1
35SE	5	12"ø	350 - 1750	350 - 1750	277/1/60	5.0	1
35SE	5	12"ø	350 - 1750	350 - 1750	277/1/60	5.0	2
35SE	5	12"ø	350 - 1750	350 - 1750	277/1/60	6.6	1
35SE	5	12"ø	350 - 1750	350 - 1750	277/1/60	10.0	1
35SE	5	12"ø	350 - 1750	350 - 1750	480/3/60	5.0	2
35SE	5	12"ø	350 - 1750	350 - 1750	480/3/60	5.0	3
35SE	5	12"ø	350 - 1750	350 - 1750	480/3/60	10.0	2
35SE	5	12"ø	350 - 1750	350 - 1750	480/3/60	10.0	3
35SE	5	12"ø	350 - 1750	350 - 1750	480/3/60	15.0	2
35SE	5	12"ø	350 - 1750	350 - 1750	480/3/60	15.0	3

- CFM ranges are "suggested" only, units are NOT factory pre-set
 - Model 35SE is Constant Volume Series Air Flow with ECM motor.
 - Units include Intake Filter; Disconnect Switch; Inlet Sensor.
- Circuit Fusing (If Required) is NOT included.
 - All units are ETL Listed and ARI Certified.
 - Pneumatic Control (AVA) (Field mounted)

Contact your local HMI office for pricing.

ROUND CONTROL DAMPERS



- Exhaust or Fresh Air Damper
- 20 ga. galvanized steel Damper Shell - 8" deep
- 20 ga. galvanized steel Damper Blade
- 1/2" solid aluminum shaft
- Low leakage gasket
- Powered open, spring return closed

Size (inches)	Net Each
4	\$60.00
6	\$66.00
8	\$68.00
10	\$74.00
12	\$79.00
14	\$84.00
16	\$96.00



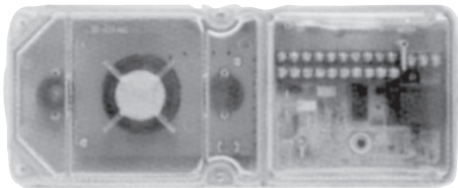
Control Damper Accessories	Net Each
24 volt Actuator	\$52.00
120 volt Actuator	\$69.00
Hand Quadrant	\$11.00
Shaft Extension	\$11.00

SMOKE DETECTORS



Smoke Detectors: Model D4120

System Sensor Duct smoke detectors are specifically designed for HVAC. System Sensor is the leader in the fire detection and fire safety devices. The unit provides sampling of air currents passing through a duct to detect a developing fire. Includes an 8" exhaust tube. Please specify length of sampling tube required.



Model	Net Each
D4120 Smoke Detector	\$131.00
D4120W Watertight Unit	\$192.00
APA151-Piezo Annunciator	\$33.00
RTS151 Test Station w/Key	\$54.00
RTS 2 Multi-Signaling Test Station	\$85.00
AOS Add-on Strobe	\$44.00
3' Tube Only	\$10.00
5' Tube Only	\$13.00

- Price on Smoke Detector includes Sampling Tube 3' or 5'. Please indicate when placing order.
- Price listed above for tube is if tube purchased without detector
- Model AOS - to be used in conjunction with RTS2 only

FIRE BARRIER DUCT WRAP
& FIRE PILLOWS



3M Fire Barrier Duct Wrap for single and double wrapping in a variety of applications:

- Commercial Kitchen Grease Duct
- Air Ventilation and Chemical Exhaust Ducts
- Stair Pressurization Duct
- Hazardous Exhaust Ducts
- Trash and Linen Chutes

Key Benefits:

- Passes the rigors of internal grease duct fire tests UL 1978 and AC101
- Zero clearance to combustibles at overlap or collar for compact low profile that saves space in tight areas
- High flexibility for easy installation
- Foil encapsulated with unique center overlap seam for blanket strength, protection and less dust
- Safer fiber construction* for contractor peace of mind

*Has been demonstrated to be soluble in the lungs according to EU guidelines 67/548/EWG, Note Q for biopersistence.

Duct Wrap		
Model	Size	Net Each
FB61524 P Wrap	1½" x24"x25'	\$229.00
*AC121 Band/Seals	½" x 200'	\$43.00
*steel band		

Fire Pillows		
Model	Size	Net Each
3M-249	2" x 4" x 9"	\$19.00
3M-269	2" x 6" x 9"	\$22.00
3M-369	3" x 6" x 9"	\$25.00

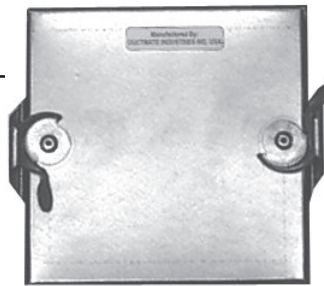
3M Caulk and Silicone Caulk

Model	Color	Description	Net Each
3M CP25 WB+	Red	Flexible	\$13.00
3M 25WB	Blue	Intumescent	\$13.00
100 RTV Silicone	Clear	Silicone/Adhesive	\$13.00
Caulking Gun	N/A	N/A	\$7.00



ACCESS DOORS

Size (inches)	Net Each
6x6	\$16.00
8x8	\$19.00
10x10	\$20.00
12x12	\$23.00
14x14	\$26.00
16x16	\$30.00
18x18	\$34.00
20x20	\$38.00
24x24	\$47.00



Access Doors: Model FDC

Ductmate Industries Model FD Cam, 1" Insulated with double gasket. Meets SMACNA requirements for low and medium pressure systems.

Round Size (inches)	Door Size	Duct Size	Net Each	Rectangular Sizes (inches)	Net Each	High Temp Up to 1000° Net Each
6	8" x 4"	5" - 6"	\$40.00	10x6	\$27.00	\$38.00
8	8" x 4"	7" - 9"	\$40.00	12x8	\$39.00	\$55.00
10	12" x 8"	10" - 11"	\$55.00	18x14	\$81.00	\$101.00
12 & 14	12" x 8"	12" - 14"	\$55.00	24x18	\$133.00	\$173.00
16	16" x 12"	15" - 16"	\$73.00			
18	16" x 12"	17" - 18"	\$73.00			
20	16" x 12"	19" - 20"	\$73.00			
24	16" x 12"	23" - 24"	\$81.00			



***2300°F doors are available from factory. UL grease doors are available from factory in stainless steel and black iron.

Size (inches)	Net Each
12x12	\$38.00
16x16	\$44.00
18x18	\$52.00
24x24	\$68.00



Access Doors: Model DSC-214M

Karp Model DSC Universal flush access door for walls and ceiling. Non-Rated Screwdriver operated lock Finish is prime coat of rust inhibitive electrostatic powder, baked white enamel

Size (inches)	Net Each
12x12	\$143.00
14x14	\$154.00
16x16	\$165.00
24x24	\$201.00



Fire Rated Access Doors: Model 150FR

Karp Model 150FR Fire Rated Access Door for walls and ceiling. UL rated for wall: 1.5 hours. Warnock Hershey rated for ceiling: 3 hours 2" thick fire rated insulation

Size (inches)	Net Each
12x12	\$106.00
16x16	\$131.00
24x24	\$167.00

Fire Rated Access Doors: Model 250FR

Karp Model 250FR for walls. UL rated for wall only. 1.5 hour "B" Label in wall Non-Insulated



FIRE & RADIATION DAMPERS

Model 0722		Model 0716	
Size (round)	Net Each	Size (square)	Net Each
6	\$26.00	6x6	\$25.00
8	\$27.00	8x8	\$26.00
10	\$28.00	10x10	\$31.00
12	\$33.00	12x12	\$39.00
14	\$35.00	22x22	\$71.00
16	\$39.00	22x10	\$40.00

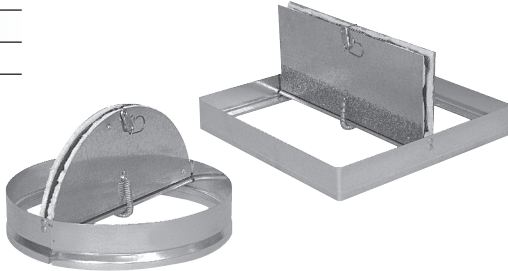
24x24 thermal blankets: \$14.00

Size (inches)	Net Each	Size (inches)	Net Each
6x6	\$55.00	18x8	\$63.00
8x6	\$55.00	18x10	\$68.00
8x8	\$55.00	18x12	\$69.00
10x6	\$55.00	18x14	\$74.00
10x8	\$57.00	18x16	\$77.00
10x10	\$58.00	18x18	\$77.00
12x6	\$55.00	20x6	\$64.00
12x8	\$57.00	20x8	\$64.00
12x10	\$58.00	20x10	\$63.00
12x12	\$59.00	20x12	\$70.00
14x6	\$59.00	20x14	\$74.00
14x8	\$59.00	20x16	\$74.00
14x10	\$63.00	20x18	\$81.00
14x12	\$64.00	20x20	\$81.00
14x14	\$66.00	24x12	\$74.00
16x6	\$59.00	24x14	\$81.00
16x10	\$63.00	24x16	\$81.00
16x12	\$64.00	24x18	\$88.00
16x14	\$69.00	24x20	\$88.00
		24x24	\$94.00

Size (inches)	Net Each	Actual Dimensions (inches)
6 RD	\$72.00	8x8
8 RD	\$73.00	10x10
10 RD	\$80.00	12x12
12 RD	\$81.00	14x14
14 RD	\$94.00	16x16
16 RD	\$102.00	18x18
18 RD	\$111.00	20x20
20 RD	\$117.00	22x22

Ceiling Radiation Dampers

Nailor UL Classified Dampers, 22 gauge roll formed galvanized steel, standard frame depth.



Dynamic Fire Dampers: Model D0114-12

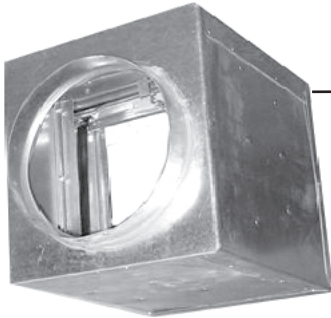
Nailor Integral Sleeve Curtain Type 1 1/2 hour label - UL Approved Vertical or Horizontal Mount 12" 22 gauge sleeve Quick Set Retaining Angles



Replacement fusible links for Radiation/Fire Dampers. Melting Point: 165° \$6.00/ea. 212° \$6.00/ea.

Dynamic Fire Dampers: Model D0134-12

Nailor Curtain Type 1 1/2 hour label - UL Approved Vertical or Horizontal Mount 12" 22 gauge sleeve Quick Set Retaining Angles Rating - 2000 fpm @ 4" w.g.



KINETICS NOISE CONTROL

VIBRATION ISOLATORS

Neoprene Isolators: Model RH

Model	Size	Rated Load	Rated Defl. (inches)	Net Each
RH	75A/125A	75/125	.09/.04	\$12.00

Model RH Features:

- Elastomer -in-shear noise Isolator
- Static deflections up to 0.57" (15mm)
- Load capacities up to 2000 lbs.
- 500% overload fail-safe
- 30 allowable rod misalignment bracket design

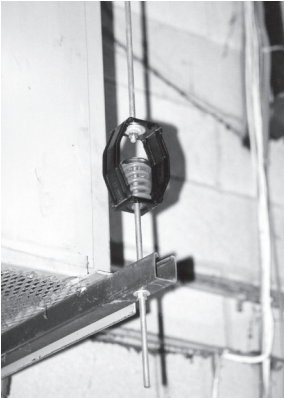


Hanging Spring Isolators: Model SH

Model	Size	Load	Defl	Outer Color	Free H.T.	O.D.	Net Each
SH	1-35	35	1.52	Blue	3.19	1.75	\$19.00
SH	1-70	70	1.36	Green	3.19	1.75	\$19.00
SH	1-125	125	1.23	Gray	3.19	1.75	\$19.00
SH	1-245	245	1.19	Brown	3.19	1.75	\$19.00
SH	1-370	370	0.96	Orange	3.19	1.75	\$19.00

Specifications: Model SH & SRH

- Spring elements and brackets are powder coated
- Load plates are bright zinc plated
- Isolated hangers have a typical overload of 50%
- Isolated hangers have a minimum Kx/Ky ratio of 1.0
- Spring elements are safe at solid loading
- Hanger brackets will carry (5) times overload without failure
- Hanger brackets will allow 30° Rod Misalignment without short circuiting



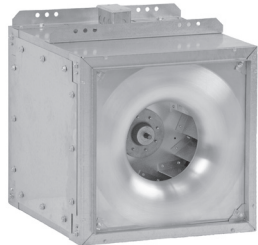
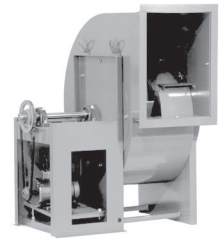
Hanging Spring Isolators: Model SRH

Model	Size	Load	Defl	Outer Color	Free H.T.	O.D.	Net Each
SRH	1-35	35	1.61	Blue	3.19	1.75	\$25.00
SRH	1-70	70	1.55	Green	3.19	1.75	\$25.00
SRH	1-125	125	1.56	Gray	3.19	1.75	\$25.00
SRH	1-245	245	1.52	Brown	3.19	1.75	\$25.00
SRH	1-370	370	1.29	Orange	3.19	1.75	\$25.00



** Model RSP Waffle Pads - 2" x 2" x 3/4" - \$3.00 each **

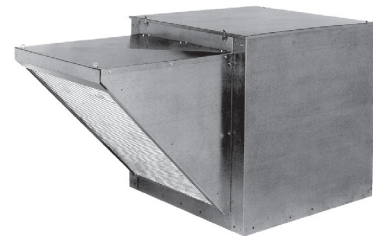
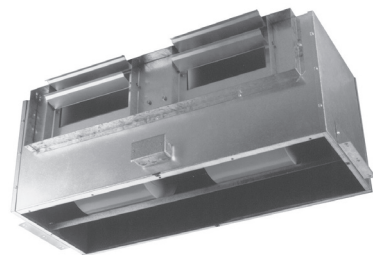
** Full Sheet Price - (81 pads per sheet) - \$66.00**
Full Sheet Measures 18" x 18" x 3/4"



Nonstock items
available on

**LOREN
COOK
EXPRESS**

Contact your
local HMI office.



LOREN COOK

GC Sizes 126 - 188 Gemini Ceiling Fan



Loren Cook Company certifies that the Gemini GC 126-188 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311, and comply with requirements of the AMCA Certified Ratings Program.



Type Gemini GC 126-188 are furnished standard with UL 507 & cUL 507 listing (Electric Fan/ GPWX).



Gemini GC 128 is a ENERGY STAR® certified product.

Specifications

- **Description:** Fan shall be ceiling mounted, direct driven, centrifugal exhaust fan.
- **Certifications:** Fan shall be manufactured by an ISO 9001 certified company. Fan shall be listed by Underwriters Laboratories (UL 507). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance. Select fans are ENERGY STAR® certified products.
- **Construction:** Fan wheel housing and integral outlet duct collar shall be injection molded from a specially engineered resin exceeding UL requirements for smoke and heat generation. The outlet duct shall have provision for an aluminum backdraft damper with continuous aluminum hinge rod. The inlet box shall be minimum 22 gauge galvanized steel. Motor shall be isolation mounted to a one piece galvanized stamped steel integral motor mount/inlet. A field wiring compartment with disconnect receptacle shall be standard. To accommodate different ceiling thickness, an adjustable prepunched mounting bracket shall be provided. A white, non-yellowing, high impact styrene injection molded grille shall be provided as standard. Unit shall be designed with provision for field conversion from ceiling to inline. Unit shall be shipped in ISTA Certified Transit Tested Packaging.
- **Wheel:** Wheel shall be centrifugal forward curved type, injection molded of polypropylene resin. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.
- **Motor:** Motor shall be permanent split capacitor with permanently lubricated sealed bearings and include impedance or thermal overload protection and disconnect plug. Motor shall be furnished at 120v.
- **Product:** Fan shall be model Gemini GC 126-188 as manufactured by Loren Cook Company of Springfield, Missouri.

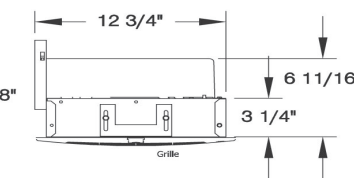
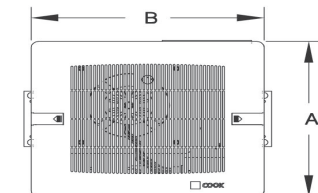
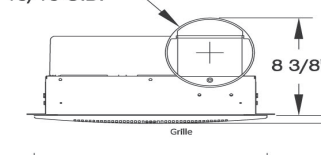
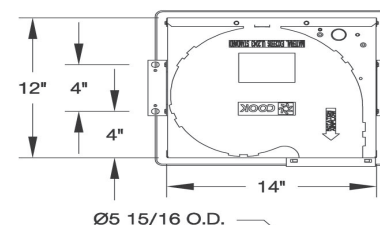
Dimensions (inches)

Grille Material	A	B
Plastic	13-1/4	
Steel	13-1/2	15-1/2
Aluminum	13-3/4	

Weights (pounds)

Size	Shipping Weight
126 - 128	13
146 - 168	15
186 - 188	16

Weights are in pounds.



* Inline kit listed on page 27 *

GC 126 - 188

Model	RPM	CFM/ Watt at 0.1 SP	0.0 SP		.100 SP		.125 SP		.250 SP		.375 SP		.500 SP		.625 SP		.750 SP		.875 SP		1.000 SP		Net Each
			CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	
★ GC-126	550	2.5	70	0.3	53	0.3	48	0.3	32	0.7													\$114
★ GC-128	750	2.8	94	0.8	82	0.9	79	0.9	63	1.0	49	1.3	37	2									
★ GC-146	900	2.9	114	1.2	105	1.2	103	1.2	90	1.3	77	1.5	64	2.0	50	2.5	36	3					\$119
★ GC-148	1075	3.1	152	2.5	144	2.5	142	2.5	132	2.5	120	2.5	108	3.0	94	3.0	78	3.5	56	3.5			
★ GC-166	1100	3.1	164	3.0	157	3.0	155	3.0	145	3.0	133	3.0	119	3.0	105	3.0	88	3.5	66	3.5	40	3.5	\$129
GC-168	1160	3.0	180	3.5	173	3.5	171	3.5	162	3.5	150	3.5	136	4.0	121	4.0	105	4.5	86	4.5	54	5.0	
GC-186	1100	2.4	231	5.5	226	5.5	225	5.5	218	5.5	209	5.5	199	5.0	186	5.0	170	5.0	151	5.0	129	4.5	\$146
GC-188	1450	2.2	261	7.0	254	6.5	252	6.5	244	6.5	235	6.0	223	6.0	209	6.0	191	5.5	172	5.5	150	5.5	

★ ENERGY STAR® certified.

Performance certified is for Installation Type B: Free inlet, ducted outlet. Performance ratings for GC-126 through GC-188 include the effects of inlet grille. Speed (RPM) shown is nominal. Performance is based on actual speed of the test. The sound ratings shown are loudness values in spherical sones at 5 ft. (1.5m) in a spherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: Free inlet spherical sone levels.

Loren Cook Cross Reference - Fans/Ventilators

Loren Cook	Greenheck	Jenn/Breidert	Penn	Carnes	Twin City Fans
GC	SP	BF 100-950	Zephyr Jr	VCDB	T-Series
ACEB	GB	JEB/DB	Domex/KB/JB/MB/DXB	VEBK	BCRD/NBCR
ACED	G	JXD/RED	Domex/DX/SRV/Q/Q1/Q2	VEDK	CRRD/RCCX-D
PR	GRS/GRSF	GRV/RCX	Domex-DR	GS	GRV

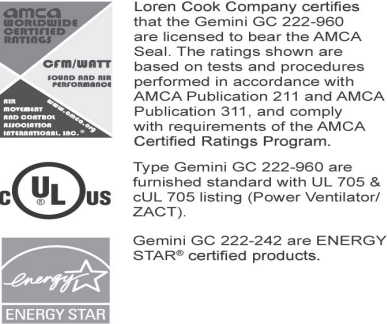
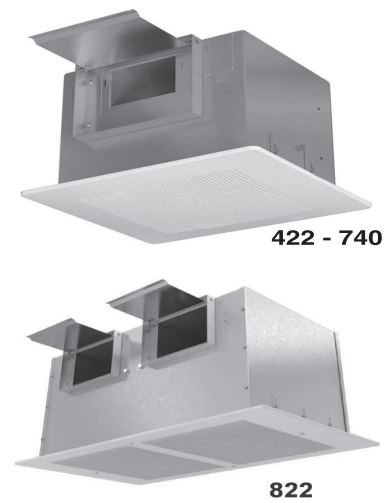
GEMINI CEILING FANS

GC-422-862

LOREN COOK

GC Sizes 422 - 862

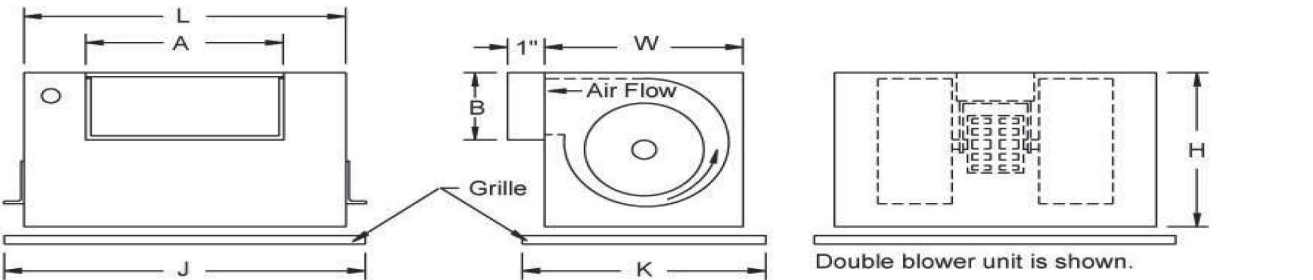
Gemini Ceiling Fan



- Specifications**
- Description:** Fan shall be ceiling, wall, or inline mounted, direct drive, centrifugal exhaust fan.
 - Certifications:** Fan shall be manufactured by an ISO 9001 certified company. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.
 - Construction:** Fan housing shall be minimum 20 gauge galvanized steel and acoustically insulated. Blower and motor assembly shall be mounted to a minimum 14 gauge reinforcing channel and shall be easily removable from the housing. Motor shall be mounted on vibration isolators. Unit shall be supplied with integral wiring box and disconnect receptacle shall be standard. Discharge position shall be convertible from right angle to straight through by moving interchangeable panels. The outlet duct collar shall include a reinforced aluminum damper with continuous aluminum hinge rod and nylon bushings. To accommodate different ceiling thickness, an adjustable prepunched mounting bracket shall be provided. A white, non-yellowing, high impact styrene injection molded grille shall be provided as standard on 200 and 300 series. A powder painted white steel grille shall be provided as standard on 400 - 900 series. Unit shall be shipped in ISTA Certified Transit Tested Packaging.
 - Wheel:** Wheel shall be centrifugal forward curved type, constructed of galvanized steel. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.
 - Motor:** Motor shall be permanent split capacitor with permanently lubricated sealed bearings, built-in thermal overload protection and disconnect plug. Motor shall be furnished at 120v.
 - Product:** Fan shall be model Gemini GC 222-960 as manufactured by Loren Cook Company of Springfield, Missouri.

Dimensions (inches)											
Size	Housing		Outlet		Grille						Shipping Weight
					Plastic		Steel		Deluxe Aluminum		
	L	W & H	A	B	J	K	J	K	J	K	
222 - 242	12-3/8	9-3/4	6	4-1/2	15-1/2	13-1/4	16-3/8	13-5/8	14-1/4	11	22
322 - 342	12-3/8	10-3/4	8	6	15-1/2	13-1/4	16-3/8	13-5/8	14-1/4	12-1/4	25
422	17	11-7/8	8	6	-	-	21	14-1/4	18-3/4	13-3/4	30
522 - 542	17	11-7/8	8	6	-	-	21	14-1/4	18-3/4	13-3/4	32
622 - 642	17	11-7/8	10-1/2	4-3/4	-	-	21	14-1/4	18-3/4	13-3/4	35
720 - 740	17	11-7/8	10-1/2	4-3/4	-	-	21	14-1/4	18-3/4	13-3/4	36
822 - 862	27	14-11/16	20	6	-	-	31-3/8	17-1/8	28-3/4	16-1/4	74
920 - 960	31	14-11/16	24-1/4	6	-	-	35-1/8	17-1/8	32-3/4	16-1/4	86

Weights are in pounds.



*Instructions to mount as inline fan can be provided as requested

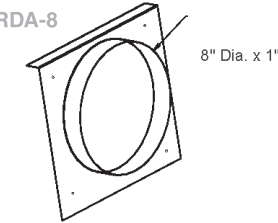
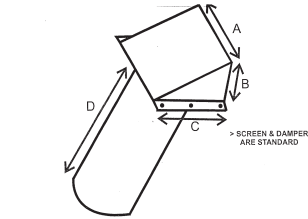
GC 422 - 862

Model	RPM	CFM/ Watt at 0.1 SP	0.0 SP		.100 SP		.125 SP		.250 SP		.375 SP		.500 SP		.625 SP		.750 SP		.875 SP		1.000 SP		Net Each
			CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	CFM	Sones	
GC-422	1500	2.8	308	4.0	298	4.0	295	4.0	282	4.0	267	4.5	250	4.0	223	4.0							\$242
GC-522	1400	2.7	213	1.5	208	2.0	207	2.0	305	2.0	194	2.5											
GC-542	1600	2.9	391	5.5	380	5.5	377	5.5	361	5.5	340	5.5	314	5.5	285	5.0	248	4.5					\$249
GC-622	1400	3.3	501	3.5	486	3.5	482	3.5	461	3.0	433	3.0	392	3.0	339	3.0							
GC-642	1500	3.1	602	5.0	582	4.5	576	4.5	548	4.5	512	4.0	471	4.0	421	3.5	350	3.5					\$278
GC-720	1375	2.4	709	5.5	687	5.5	682	5.5	653	5.5	619	5.0	578	5.0	535	5.0	480	4.5	385	4.5			
GC-740	1625	2.2	852	7.0	823	7.0	815	7.0	775	6.5	727	6.0	672	6.0	616	5.0	552	4.5	463	4.0	303	3.5	\$389
GC-822	910	3.4	944	3.5	929	3.5	925	3.5	904	4.0	879	4.0	830	4.0									
GC-842	974	3.3	1187	5.0	1157	5.0	1149	5.0	1106	5.0	1043	4.5	905	4.5	637	3.5							\$571
GC-862	1098	3.4	1433	7.0	1371	7.0	1355	6.5	1266	6.5	1149	5.5	995	5.0	775	4.0							

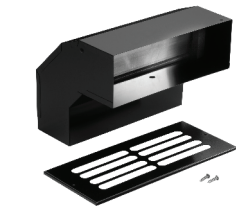
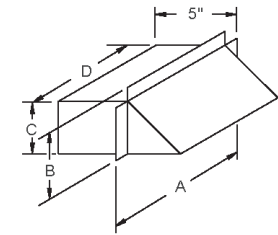
Performance certified is for Installation Type B: Free inlet, ducted outlet. Performance ratings for GC-222 through GC-960 include the effects of inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of the test. The sound ratings shown are loudness values in spherical sones at 5 ft. (1.5m) in a spherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: Free inlet spherical sone levels.



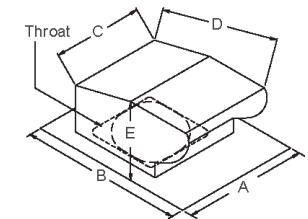
LOREN COOK



Wall Cap - Broan 649



Roof Jack



Miscellaneous Items

Item	Price Each
1) 5 Amp Speed Controller for GC126-862	\$36.00
2) 10 Amp Speed Controller	\$67.00
3) Vibration Isolator Kit for GC126-740	\$16.00
4) Heat/Cool Line Voltage T-Stat	\$30.00
5) Inline Adaptor for GC-126-186	\$36.00
6) Replacement Grilles for GC-126-186(Plastic)	\$28.00
7) Replacement Grilles for GC- 422-740	\$52.00
8) Replacement Grilles for GC- 822-862	\$73.00

Replacement Motors for GC fans - Call for pricing.

GEMINI ACCESSORIES

Jer-Air Aluminum Wall Caps

Model AWV	A	B	C	D	Size (inches)	Net Each
4"	5.25"	3.75"	6.5"	11.75"	4	\$24.00
6"	8.25"	5.25"	8.5"	7.75"	6	\$27.00
8"	11"	6.25"	11.75"	7.75"	8	\$36.00
10"	11"	6.25"	11.75"	7.75"	10	\$40.00
12"	13"	8.25"	13.75"	7.75"	12	\$62.00

Model	Duct Diameter	Net Each
RDA-8	8	\$26.00

The Gemini 200-500 can be field converted from a rectangular outlet to a round outlet by removing the rectangular damper frame and replacing it with the RDA-8

Gemini Series	Model	A	B	C	D	Net Each
	Alum.					
620-740	Broan 649	12 ¾	8 ⅞	3 ¼	10	\$33.00

Gemini Series	Type	Model	A	B	C	D	Net Each
Broan	Short Eave	430	10	7 ⅞	7 ⅞	3 ¼	\$55.00

Gemini Series	Model	A	B Dia.	C	D	E	Throat Size	Net Each
122-184	RJR100	14 ¼	18 ¾	10 ⅞	14 ½	6 ½	6 Dia.	\$45.00
220-520	RJ200	14 ¼	18 ¾	10 ⅞	14 ½	6 ½	10 ¼x10 ¼	\$40.00
Broan	636	10 ¼	11	6 ¼	8 ⅞	9 ⅞	4	\$24.00
Broan	437	27 ¼	18 ½	12 ⅝	16 ½	9 ⅞	10 ¾x10 ¾	\$148.00

Item	Price Each
9) 277v/120v transformers for GC126-186	\$171.00
10) 277v/120v transformers for GC422/542	\$247.00
11) 277v/120v transformers for GC622-862	\$360.00
12) Radiation damper for GC126-186 CRD-1	\$69.00
13) Radiation damper for GC422-740 CRD-4	\$85.00
14) Steel Grilles for GC126-186	\$31.00
15) GC Replacement Screws	\$3.00
16) GC Grille Screw Cover	\$3.00



ACED CENTRIFUGAL EXHAUST VENTILATOR

LOREN COOK

LOREN COOK

ACEB CENTRIFUGAL ROOF EXHAUSTERS

Downblast Centrifugal Exhaust Ventilator
Roof Mounted
Direct Drive - EC Motor



Downblast centrifugal design with aluminum base. Includes two-piece top cap with stainless steel quick release latches, heavy-duty motor and cast iron drives. Motor, bearings and drives enclosed in weathertight compartment separated from air stream. Oil- and heat-resistant belts. built-in lifting lugs. 115V, 60Hz, 1 phase. AMCA certified; UL and CUL listed

ACED Dimension Data

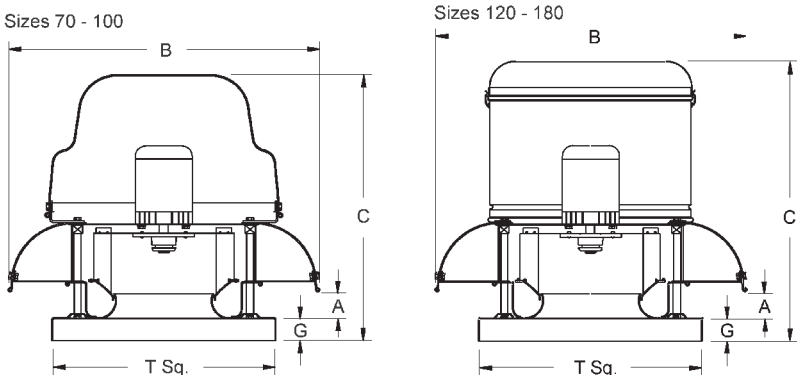
Size	A	B	C	G	T Sq.	Roof Opening Square*	Ship. Wt.
70	1-3/4	13-5/8	13-13/16	2	18	13-1/2	20
90	2-1/2	18-3/4	16-13/16	2	18	13-1/2	28
100	2-1/2	18-3/4	16-13/16	2	18	13-1/2	30
120	1-7/16	28-7/16	26-9/16	2	20	15-1/2	67
135	1-15/16	28-7/16	27-1/16	2	20	15-1/2	72

All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds.

AMCA CERTIFIED RATINGS
SOUND
AIR
MOVEMENT
AND CONTROL
LABORATORY
INTERNATIONAL, INC.

Loren Cook Company certifies that the ACED shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL US
Type ACED is furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT).



Price Includes
prewired disconnect
and motor mounted
speed controller

For isolators,
see page 23.

Catalog Number	HP	RPM	Tip Speed	Max. Watts	0.00" SP		0.125" SP		0.25" SP		0.375" SP		0.5" SP		0.63" SP		0.75" SP		Fan Price	Curb Price	Damper Price	Voltage
					Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts	Sones/Watts				
70C17DEC	1/20	429	786	5	0.2	5													\$471	16 1/2 x 16 1/2 \$68.00	BDD12 \$43.00	115/1
		861	1577	12	1.6	12																
		1293	2369	25	2.33		147	63														
		1725	3161	49	4.0	25	3.2	20	3.3	15												
					3.11	244		184			125											
90C17DEC	1/6	516	1215	8	0.4	8													\$547	16 1/2 x 16 1/2 \$68.00	BDD12 \$43.00	115/1
		919	2165	24	3.2	24	2.4	22														
		1322	3114	58	6.0		506		403	285												
		1725	4064	120	6.7	58	6.1	55	5.5	52	5.0	44										
					7.83		710		639		561		474		383		271					
100C17DEC	1/4	471	1233	11	0.2	11													\$547	16 1/2 x 16 1/2 \$68.00	BDD12 \$43.00	115/1
		889	2327	32	3.6	32	2.9	27	2.5	18												
		1307	3421	76	6.85		607		522	414												
		1725	4516	160	7.9	73	7.3	74	6.9	72	6.6	67										
					9.04		845		785		721		652		569		465					
120C17DEC	1/2	498	1564	13	0.9	13													\$724	18 1/2 x 18 1/2 \$79.00	BDD14 \$47.00	115/1
		907	2849	59	4.5	52	4.5	56	4.1	59												
		1316	4134	162	9.8	141	9.8	148	9.7	154	9.4	159	9.1	162	8.7	162	8.3	159				
		1725	5419	353	14.6	304	14.6	314	14.6	324	14.5	332	14.3	339	14.1	345	13.8	349				
					17.52		1698		1642		1584		1521		1457		1393					
135C17DEC	3/4	561	1982	32	2.0	29	1.7	32											\$807	18 1/2 x 18 1/2 \$79.00	BDD14 \$47.00	115/1
		949	3354	124	6.4	107	6.4	116	6.2	122	5.8	124										
		1337	4725	326	12.7	278	12.7	292	12.7	304	12.5	314	12.2	321	11.9	325	11.5	326				
		1725	6096	685	18.6	583	18.6	601	18.6	618	18.6	634	18.5	648	18.3	660	18.1	670				
					20.31		1950		1867		1779		1684		1582		1467					

Performance certified for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet hemispherical sone levels.

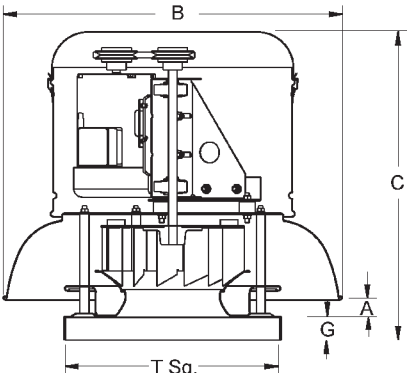
Downblast Centrifugal Exhaust Ventilator
Roof Mounted
Belt Drive



AMCA CERTIFIED RATINGS
SOUND
AIR
MOVEMENT
AND CONTROL
LABORATORY
INTERNATIONAL, INC.

Loren Cook Company certifies that the ACEB shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL US
Type ACEB is furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT) when furnished with factory supplied motor.



*Pricing & CFM
performance on
page 30

Description - Fan shall be a spun aluminum, roof mounted, belt driven, downblast centrifugal exhaust ventilator.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have continuously welded curb cap corners for maximum leak protection. The discharge baffle shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An integral conduit chase shall be provided through the curb cap and into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly, isolated from the unit structure with rubber vibration isolators. These components shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. Lifting lugs shall be provided to help prevent damage from improper lifting. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillowblock housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be model ACEB as manufactured by Loren Cook Company of Springfield, Missouri.

ACEB Dimension Data

Size	A	B	C	G	T Sq.	Roof Opening Square*	Ship. Wt.
70/80	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
100	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
120	1-13/16	28-7/16	26-7/8	2	20	15-1/2	55
150	3-1/16	32-7/8	28-7/8	2	24	19-1/2	70
165	3-9/16	32-7/8	29-3/8	2	24	19-1/2	75
180	3-15/16	37-11/16	34-1/2	3	30	25-1/2	90
245	6-1/8	47-5/8	39-7/8	3	30	25-1/2	240



ACEB CENTRIFUGAL
EXHAUST VENTILATOR

LOREN COOK

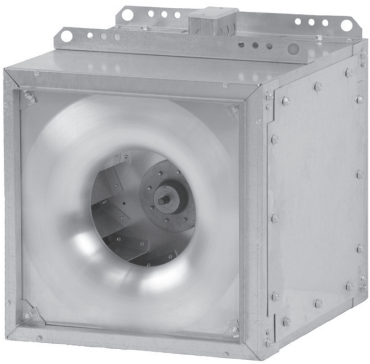
Catalog Number	Mtr.HP/ Drv.Wt.	Fan RPM	Tip Speed	0.00"SP		0.125"SP		0.250"SP		0.375"SP		0.500"SP		0.625"SP		0.750"SP		Fan Price	Curb Price	Damper Price	Voltage	
				Sone	BHPS	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP					
70C3B	1/4* 15 lbs.	1752	4585	384		358		333		306		275		245		215		\$634	16½x 16½	11¾ x 11¾	\$43.00	115/1
				13.2	.18	12.9	.18	12.7	.18	12.5	.18	12.2	.18	11.9	.17	11.5	.18					
		1851	4751	397		372		348		323		294		264		237						
				14.1	.20	13.9	.20	13.7	.20	13.4	.20	13.1	.20	12.8	.19	12.4	.19					
		1878	4916	411		387		363		340		313		283		256						
				15.1	.23	14.9	.22	14.6	.22	14.4	.22	14.1	.22	13.8	.22	13.5	.21					
1941	5081	425		402		379		356		331		302		276								
		16.0	.25	15.8	.24	15.6	.24	15.4	.24	14.1	.22	14.9	.24	14.6	.23							
80C2B	1/6* 15 lbs.	740	1937	345		221												\$627	16½x 16½	11¾ x 11¾	\$43.00	115/1
				2.0	.02	1.4	.02															
		906	2371	422		327		102														
				3.4	.03	2.9	.03	2.3	.05													
		1072	2806	500		423		329														
				5.4	.05	4.9	.05	4.5	.05													
		1238	3241	577		510		434		356												
				7.6	.08	7.2	.08	6.8	.08	6.4	.08											
		1404	3675	654		595		536		460		394										
				9.2	.11	8.8	.11	8.5	.12	8.2	.12	7.6	.11									
1571	4112	732		679		627		567		500		442		181								
		10.9	.16	10.5	.16	10.1	.16	9.8	.16	9.5	.16	9.0	.16	85	.12							
100C3B	1/4* 15 lbs.	1818	4759	1029		978		932		890		846		793		723		\$636	16½x 16½	11¾ x 11¾	\$43.00	115/1
				11.9	.16	11.9	.16	11.9	.16	11.7	.17	11.5	.18	11.4	.18	11.3	.18					
		1884	4932	1066		1017		972		931		890		842		782						
				12.8	.17	12.8	.18	12.8	.18	12.6	.19	12.4	.19	12.2	.20	12.1	.20					
		1950	5105	1103		1056		1012		972		933		889		836						
				13.7	.19	13.7	.20	13.7	.20	13.5	.21	13.3	.21	13.2	.22	13.1	.22					
2014	5272	1140		1094		1051		1012		974		934		886								
		14.8	.21	14.8	.21	14.8	.22	14.6	.23	14.3	.23	14.1	.24	14.0	.24							
120C3B	1/4 15 lbs.	1411	4432	1512		1441		1368		1292		1216		1137		1021		\$700	18½x 18½	13¾x 13¾	115/1	
				10.8	.17	10.8	.18	10.8	.18	10.6	.20	10.2	.20	9.8	.20	9.5	.20					
		1510	4743	1618		1552		1484		1414		1342		1272		1193						
11.9	.21			11.9	.21	11.9	.22	11.7	.23	11.5	.25	11.1	.25	10.8	.25							
150C4B	1/3 19 lbs.	1150	4516	2406		2298		2187		2069		1953		1835		1677		\$832	22½x 22½	17¾ x 17¾	115/1	
				12.0	.26	12.0	.28	12.0	.30	11.8	.32	11.5	.33	11.1	.33	10.7	.33					
165C5B	1/2 23 lbs.	1063	4549	2933		2803		2669		2529		2389		2247		2064		\$877	22½x 22½	17¾ x 17¾	115/1	
				12.2	.36	12.2	.36	12.1	.37	11.9	.40	11.6	.41	11.2	.41	10.9	.41					
		1126	4863	3136		3014		2891		2761		2628		2499		2362						
				14.0	.43	14.0	.44	14.0	.45	13.9	.47	13.5	.50	13.1	.51	12.8	.50					
180C7B	1 36 lbs.	1196	5636	4355		4240		4119		3993		3866		3736		3601		\$1238	28½x 28½	23¾ x 23¾	460/3	
				18.5	.87	18.5	.89	18.5	.91	18.2	.94	17.8	.97	17.4	.99	16.7	1.00					
245C7B	1 36 lbs.	666	4271	6262		5996		5713		5380		4975		4464				\$1720	28½x 28½	23¾ x 23¾	460/3	
				12.2	.81	12.2	.84	11.9	.86	11.3	10.5	10.5	.89	9.7	.89							
		699	4463	6573		6320		6053		5751		5387		4954		4335						
				13.3	.94	13.3	.97	13.1	.99	12.6	1.01	11.8	1.02	11.0	1.03	10.3	1.00					

Price includes prewired disconnect.

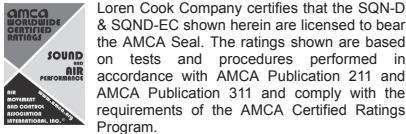
* Motor can be field converted to 208/3
** Nema 3R (this fan only)

SQND-EC Specifications and Dimension Data

Direct Drive

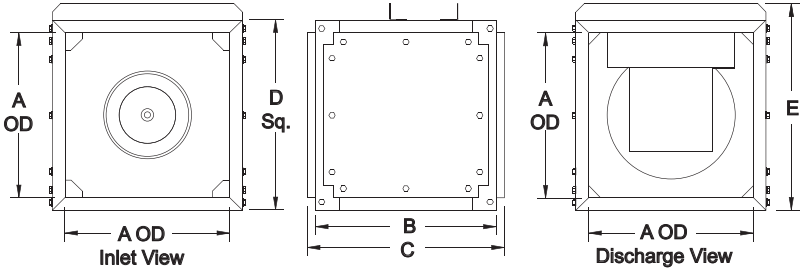


Description: Fan shall be duct mounted, direct driven centrifugal square inline
Certifications: Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (CSA Standard 113 - M1984). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.
Construction: The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge galvanized steel with integral duct collars. Bolted access doors shall be provided on three sides, sealed with closed cell neoprene gasketing. Housing shall be pre-drilled to accommodate universal mounting feet for vertical or horizontal installation. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.
Wheel: Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. An aerodynamic aluminum inlet cone shall be provided for maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.
Motor (SQND-EC): Motor shall be an electronically commutated motor rated for continuous duty and furnished either with internally mounted potentiometer speed controller or with leads for connection to 0-10 VDC external controller.
Product: Fan shall be model SQND-EC as manufactured by Loren Cook Company of Springfield, Missouri.



Loren Cook Company certifies that the SQN-D & SQND-EC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Type SQN-D & SQND-EC are furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



Dimensions

Size	A	B	C	D Sq.	E	Inlet and Rear Discharge Duct Size (ID)	Optional Side Discharge Duct Size (WxH) (ID)	Approx. Shipping Weight
90	12	15	17	14	15-9/16	12 sq.	9-1/8 x 8-15/16	90
100	12	20	22	14	15-9/16	12 sq.	14-1/8 x 8-15/16	100
120	16	20	22	18-7/16	20	16 sq.	14-1/8 x 12-9/16	125
135	18	20-1/4	22-1/4	20-3/4	22-5/16	18 sq.	14-1/4 x 13-1/8	150

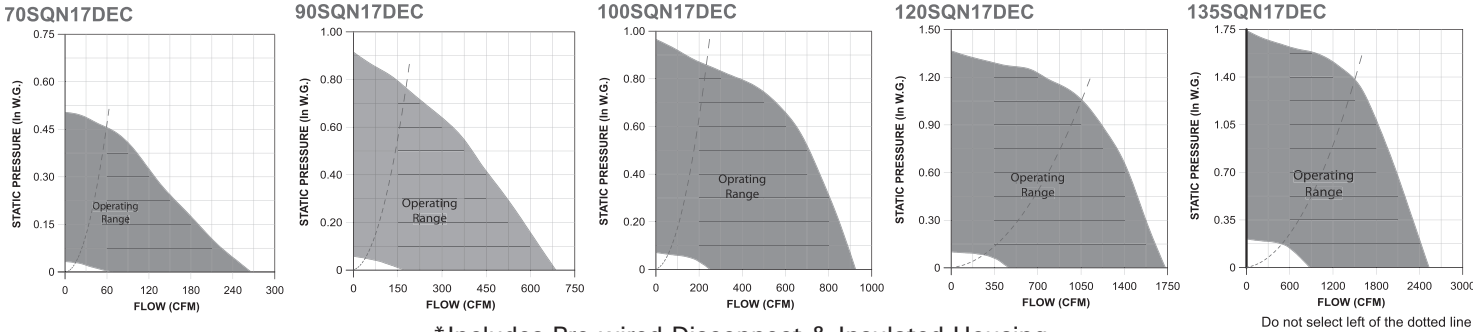
All dimensions in inches. Weights in pounds, including motor.

90-135 SQND-EC

* All Fans 115V

Catalog Number	HP	Fan RPM	Tip Speed FPM	Max Watts	CFM vs. Static Pressure								Fan Price	Voltage	Damper Price
					0.0	0.100	0.125	0.250	0.375	0.500	0.625	0.750			
90SQN17DEC	1/6	432	1017	6	172								\$687.00	115/1	BDD12 \$43
		863	2033	22	343	230	202								
		1294	3048	50	515	442	424	325	206						
		1725	4064	129	686	631	613	550	475	403	315				
100SQN17DEC	1/4	462	1209	6	243								\$731.00	115/1	BDD12 \$43
		883	2311	24	474	394	370								
		1304	3413	62	700	650	637	561	456						
		1725	4516	134	926	889	880	829	772	712	632	495			
120SQN17DEC	1/2	462	1451	11	464								\$905.00	115/1	BDD16 \$50
		883	2774	54	887	787	764	593							
		1304	4096	158	1310	1238	1221	1143	1061	936					
		1725	5419	354	1733	1677	1664	1599	1540	1483	1421	1342			
135SQN17DEC	3/4	600	2120	35	881	694	640						\$1010.00	115/1	BDD18 \$54
		975	3445	123	1432	1319	1291	1145	977						
		1350	4771	309	1983	1901	1881	1778	1675	1567	1448	1319			
		1725	6096	630	2534	2470	2454	2374	2294	2213	2132	2048			

Performance certified is for Installation Type B: Free inlet, Ducted outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

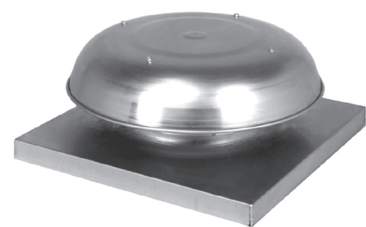


* Includes Pre-wired Disconnect & Insulated Housing

* For Isolators see page 23



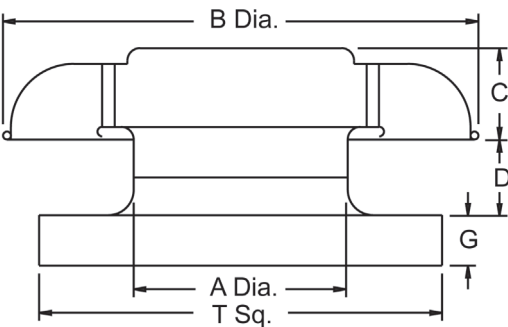
Spun Aluminum Gravity Ventilator



Description - Unit shall be a spun aluminum, roof mounted gravity ventilator.

Construction - The unit shall be of bolted and welded construction utilizing corrosion resistant fasteners. The spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have continuously welded curb cap corners for maximum leak protection. The spun aluminum baffle shall have a rolled bead for added strength. Birdscreen constructed of 1/2" mesh shall be mounted across the air opening. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Product - Unit shall be model PR as manufactured by Loren Cook Company of Springfield, Missouri.



Size	A Dia.	B Dia.	C	D	G	T Sq.	Roof Opening	Approx. Ship Wt. - Lbs.	Net Each	Curb Price
8	8 1/2"	18 1/4"	4 5/8"	3 1/2"	2"	18"	13 1/2"	20	\$133	\$68-16.5x16.5
12	12 1/2"	28 1/4"	4 13/16"	3 1/2"	2"	20"	15 1/2"	30	\$157	\$79-18.5x18.5
16	16 1/2"	28 1/4"	5 1/8"	5 1/2"	2"	28"	23 1/2"	35	\$219	\$114 -26.5x26.5
20	20 1/2"	36 1/2"	6 3/4"	4 7/8"	2"	32"	27 1/2"	80	\$286	\$125 -30.5x30.5

▸ For curb dimensions, see page 32

PR - Intake Performance Data

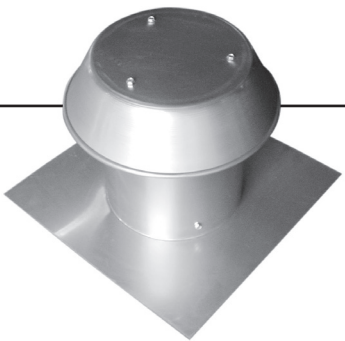
Size	Throat Area (Sq. Ft.)	Face Area (Sq. Ft)	CFM at 500 FPM Face Velocity	Pressure Drop (in WG)							
				0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.375
				CFM							
8	.394	1.38	690	252	356	398	436	503	543	617	689
12	.852	2.04	1020	529	749	837	917	1059	1142	1297	1450
16	1.485	3.08	1540	936	1324	1480	1621	1872	2019	2293	2563
20	2.292	5.31	2655	1452	2054	2296	2516	2905	3132	3558	3977

PR - Relief Performance Data

Size	Throat Area (Sq. Ft.)	Face Area (Sq. Ft.)	Pressure Drop (in WG)								
			0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5
			CFM								
8	.394	1.38	212	299	334	366	423	473	518	579	669
12	.852	2.04	445	629	703	770	889	994	1089	1218	1406
16	1.485	3.08	786	1112	1243	1362	1573	1758	1926	2154	2487
20	2.292	5.31	1220	1726	1929	2114	2440	2729	2989	3342	3859

Roof Cap: Model 611

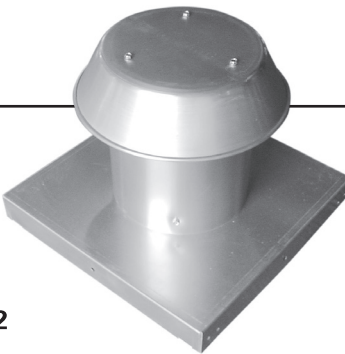
- For flat roof installation
- Aluminum - natural finish
- Built-in birdscreen
- For up to 8" round duct



Net Each	
\$77.00	

Roof Cap: Model 611CM

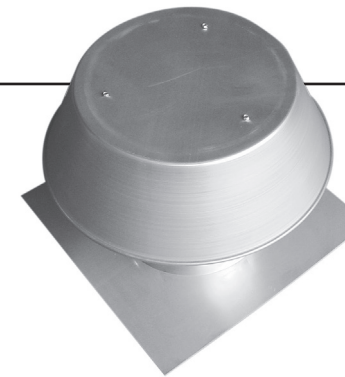
- For curb mount installation
- Other features same as Model 611



Curb -15x15 Price	Net Each
\$62.00	\$100.00

Roof Cap: Model 612

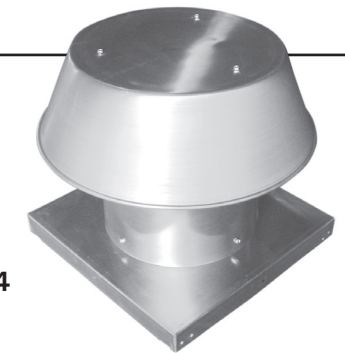
- For flat roof installation
- Aluminum - natural finish
- Built-in birdscreen
- For up to 12" round duct



Net Each	
\$139.00	

Roof Cap: Model 612CM

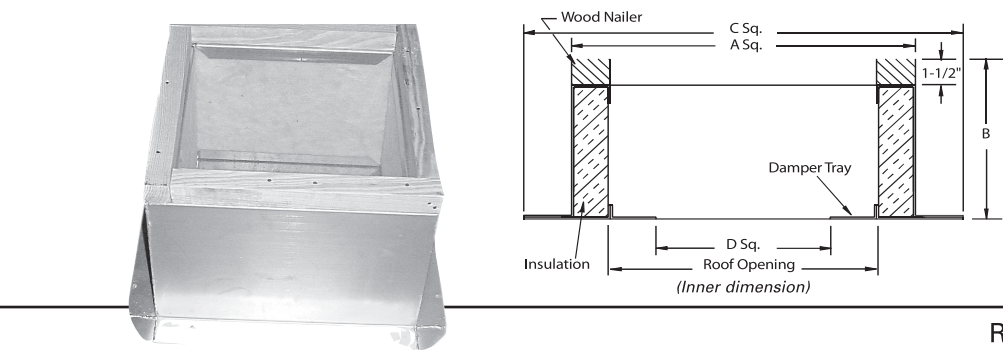
- For curb mount installation
- Other features same as Model 612



Curb -16.5x16.5 Price	Net Each
\$68.00	\$149.00

▸ For curb dimensions see page 34

ROOF CURBS



Self Flashing Roof Curbs

Roof curbs 12" & 13.5" high are constructed of 18 ga galvanized sheet metal with welded seams. They have a 1½" thick fiberglass insulation and factory installed treated wood nailer strip.

- 13.5" are for Loren Cook fans and gravity hoods

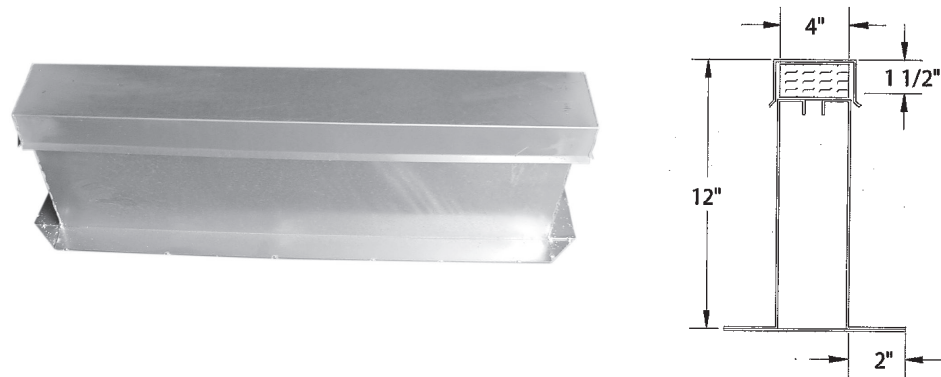
$C Sq = A Sq + 4"$
Roof Opening = A Sq - 3"
(Inner dimension)

Curb Size OD A Sq	Height B	Damper Shelf D Sq	Net Each
12x12	12	N/A	\$53.00
15x15	12	9	\$62.00
16.5x16.5	13.5	9¾	\$68.00
18.5x18.5	13.5	11¾	\$79.00
22.5x22.5	13.5	15¾	\$92.00
26.5x26.5	13.5	19¾	\$114.00
28.5x28.5	13.5	21¾	\$118.00
30.5x30.5	13.5	23¾	\$125.00
33.75x33.75	12	27	\$148.00

Size L x W x H (inches)	Net Each
36 x 4 x 12	\$92.00
48 x 4 x 12	\$116.00

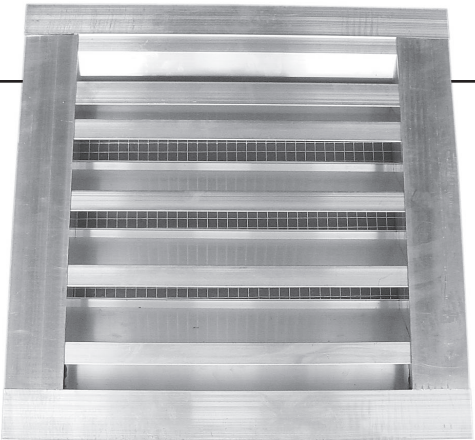
Equipment Rails

- › 18 Gauge Galvanized Steel Shell and Base Plate
- › All welded unitize Construction
- › Wood Nailer
- › Flashing Cap - 18ga. galv. steel



EXTRUDED ALUMINUM LOUVERS & BRICK VENTS

Size (inches)	Net Each
12 x 12	\$77.00
18 x 12	\$105.00
18 x 18	\$113.00
24 x 12	\$121.00
24 x 24	\$166.00
30 x 24	\$180.00
36 x 24	\$216.00
36 x 36	\$305.00
48 x 48	\$474.00

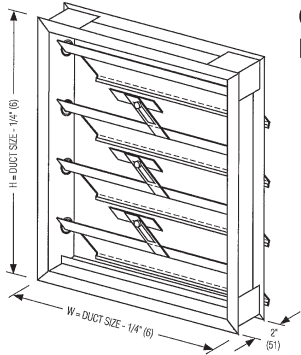


Extruded Aluminum Louvers:
Nailor 1604DD

- 4" Deep Dual Drainable Blades
- .080 Thick Blades
- 1½" Thick Frame
- Expanded Aluminum Bird Screen
- Mill Finish
- AMCA Certified 50% Free Area
- Removable Flanges for Channel Frame Application

Note: Flanges can be removed by removing screws and can be used in Channel Frame Application.

Model	Size (inches)	Net Each
1370CB	12x12	\$58.00
1370CB	18x18	\$86.00
1370CB	24x24	\$103.00
1370CB	36x36	\$156.00
1370CB	48x48	\$372.00



Counterbalanced Backdraft Damper
Nailor 1370CB

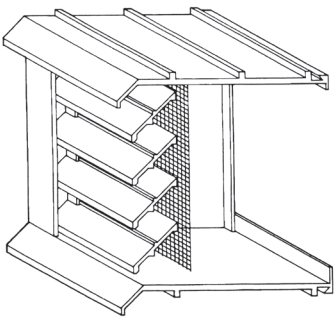
- Medium Duty
- Mill Finish
- 2" Deep frame, Mitered Corners
- Adjustable, plated steel weights mounted internally
- Blade Seals - Extruded PVC

Model	Deep	Order Size (inches)	Min. Open (W X H)	Net Each
168EX	4"	16½ x 7¾	16¾ x 8¼	\$79.00
808EX	4"	8½ x 7¾	8¾ x 8¼	\$61.00
168FL	1½"	16½ x 7¾	17 x 8	\$77.00
125FL	1½"	12 x 4¾	12½ x 5	\$60.00

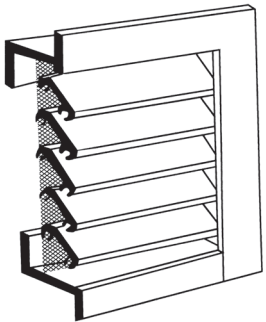


Extruded Aluminum Brick Vents:
Model EX and FL

- 1½" or 4" Deep
- Includes Water Stop and Insect Screen
- Aluminum Construction
- Clear anodized



Model EX



Model FL

Note: Model Ex 4" Deep No Flange
Model FL ½" Deep With Flange

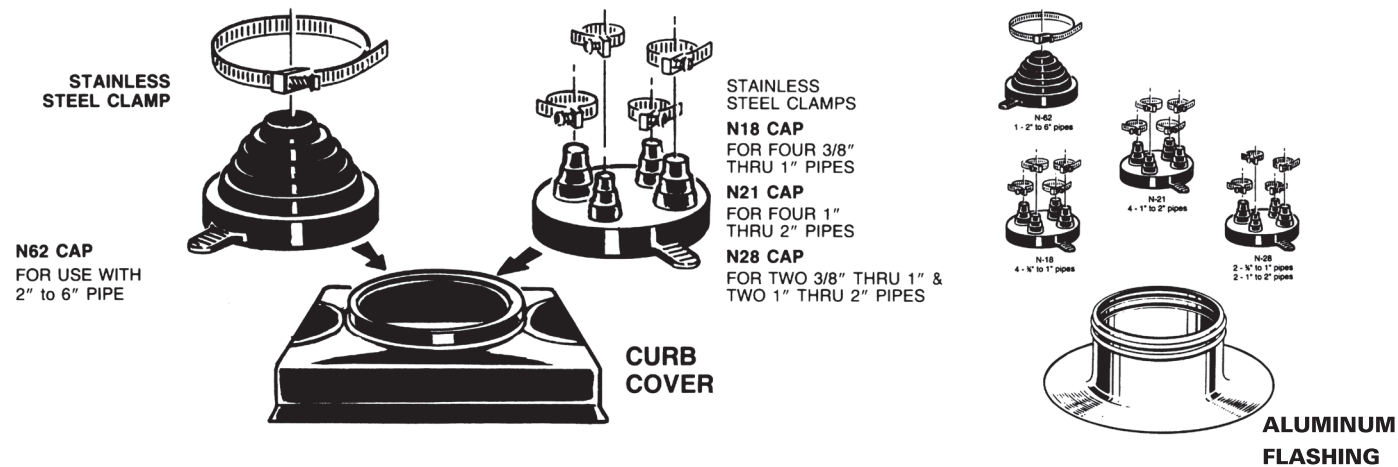


PIPE FLASHING SYSTEMS

The solution of weathertight penetration seals

RPS Pipe Portal® Flashing Systems are a versatile, leakproof, and weathertight solution to routing pipes through a roof. The RPS Pipe Portal® Flashing Systems is designed to allow for both vertical and horizontal pipe movement, yet provide a maintenance-free permanent installation which accommodates round pipe sizes of 3/8" up to 6". The key to the effectiveness of the Pipe Portal® System is the cover and the cap. The seamless cover is molded of UV-resistant ABS plastic which has factory laminated acrylic coating to give high resistance to deterioration from both ozone and ultraviolet rays of the sun, as well as a serviceable temperature range of -40° F to 160° F. Integral to the cover is a molded collar with sealing ring which mechanically locks the flexible cap to the cover creating a Weather-Tite Pressure Seal. The flexible rubber caps are molded of time-proven EPDM rubber which is resistant to deterioration from both ozone and ultraviolet rays of the sun with a serviceable temperature range of -60° F to +250° F. The conically-shaped steps of the nipple(s) provides a taut waterproof seal around the pipe(s) and the furnished stainless steel clamp(s) give added protection to guarantee the pipe seal(s).

- **RPS CURB...** The sure way of attaching roof flashing... insulated sidewalls to prevent condensation.
- **MOLDED ABS COVER...** UV and ozone resistant...crowned to shed water... reinforcing ribs to counteract snow loads... integral counterflashing with drip edge to direct water away from flashings.
- **MOLDED EPDM RUBBER CAP...** Precision molded to fit actual pipe sizes...integral mechanical lock to cover with Weather-Tite Pressure Seal...allows flexibility in any direction while maintaining pipe seal.
- **STAINLESS STEEL CLAMP(S)...** Provides additional assurance of effective pipe seal at cap.



MODEL	DESCRIPTION	NET EACH
ABS Curb Cap	1 hole cover for 12 x 12 curb	\$69.00
N18 Cap/Clamps	For four 3/8" to 1" pipes	\$44.00
N21 Cap/Clamps	For four 1" to 2" pipes	\$44.00
N28 Cap/Clamps	For two 3/8" to 1" & two 1" to 2" pipes	\$44.00
N62 Cap/Clamps	For one 2" to 6" pipe	\$44.00
Alum. - Short	Aluminum Flashing 4"	\$52.00
Alum. - Tall	Aluminum Flashing 13"	\$145.00

****For 12 x 12 curb, see page 34****

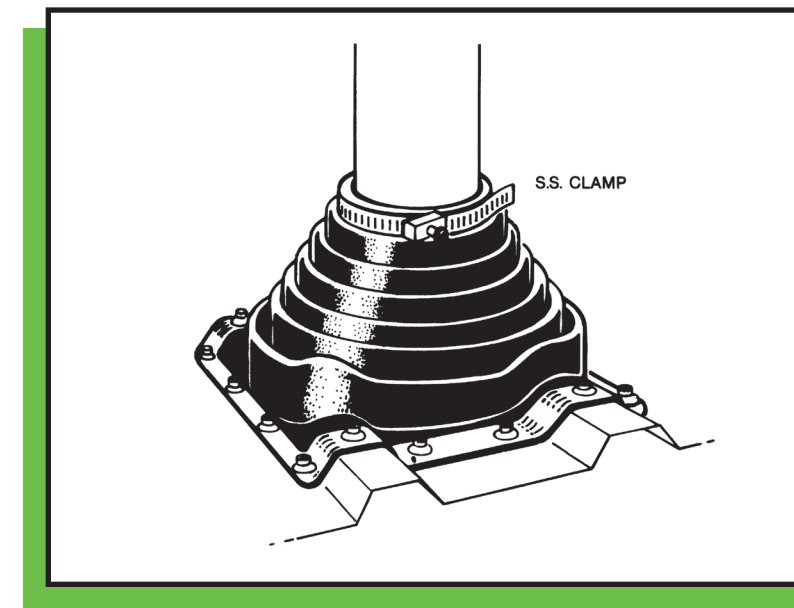


PIPE FLASHING SYSTEMS

The solution of weathertight penetration seals

RPS Deck-Mate Flashing Systems are designed to accommodate pipes from 4" to 13" in diameter and work in conjunction with any configuration of colligated metal roofing or wall systems. The flexibility of the EPMD rubberflashing allows for both vertical and horizontal pipe movement, yet provides a maintenance-free permanent installation. To form a positive seal with the metal roofing or siding, the Deck-Mate is engineered and manufactured with a flexible aluminum base which can easily be conformed to any contour or irregularity in the underlying metal panels. To prevent any possible corrosive effects with the aluminum flange, the rubber boot is fully molded under the aluminum providing a barrier between the aluminum flange and any dis-similar metals. In addition the rubber under the aluminum flange gives assurance of an added seal between the Deck-Mate and the panel. Field attachment of the Deck-Mate to the panel is simple with silicone sealant and standard sheet metal fasteners with rubber washers.

- **ALUMINUM FLANGE...** Seamless construction with no leaks...engineered directly to the rubber boot during the molding process... factory adhered flange can't be lost.
- **MOLDED EPDM RUBBER BOOT...** Precision molded to fit actual pipe sizes...allows flexibility in any direction while maintaining pipe seal.
- **STAINLESS STEEL CLAMP...** Provides additional assurance of effective pipe seal at cap.



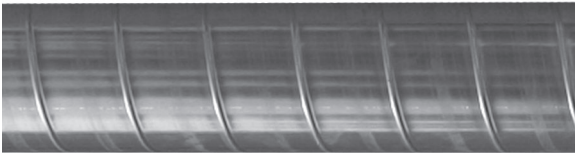
Serviceable Temperature Range:
DM (EPDM)
-60°F to +270°F
SDM (Silicone)
-100°F to +500°F

MODEL	DESCRIPTION	NET EACH
DM5	Flashing 4" to 7"	\$52.00
DM8	Flashing 7" to 13"	\$100.00
SDM5	High temp flashing 4" to 7"	\$121.00
SDM8	High temp flashing 7" to 13"	\$260.00
Clear Caulk	100 RTV Silicone	\$7.00

- Single-Wall Spiral
- Medium Pressure Galvanized Paintable Steel G-60
- Construction with Gasketed Connections

SPIRAL DUCT

Dia.	Length	Net Each	Weight
4"	10' Ft	\$25.00	10.23
6"	10' Ft	\$33.00	15.89
8"	10' Ft	\$38.00	21.46
10"	10' Ft	\$48.00	27.00
12"	10' Ft	\$56.00	32.50
14"	10' Ft	\$70.00	38.00
16"	10' Ft	\$96.00	43.48
18"	10' Ft	\$105.00	48.96
20"	10' Ft	\$117.00	54.43
24"	10' Ft	\$140.00	65.38



- Positive (0" - 10" wg)
- Negative (-2" wg)

REDUCERS

Dia. A	Dia. B	Net Each	Dia. A	Dia. B	Net Each
6"	4"	\$22.00	16"	12"	\$40.00
8"	6"	\$22.00	16"	14"	\$40.00
10"	6"	\$25.00	18"	14"	\$62.00
10"	8"	\$25.00	18"	16"	\$62.00
12"	8"	\$28.00	20"	16"	\$69.00
12"	10"	\$28.00	20"	18"	\$69.00
14"	10"	\$31.00	24"	20"	\$95.00
14"	12"	\$31.00			



SADDLE TAP

Dia. B Main	Dia. A Main	Net Each
6"	4"	\$19.00
6"	6"	\$20.00
8"	6"	\$20.00
8"	8"	\$21.00
10"	6"	\$19.00
10"	8"	\$21.00
10"	10"	\$23.00
12"	8"	\$21.00
12"	10"	\$23.00
12"	12"	\$29.00
14 - 16"	10"	\$23.00
14 - 16"	12"	\$29.00
14 - 16"	16"	\$37.00
14"	6"	\$20.00
14"	8"	\$21.00
14"	14"	\$30.00

Dia. B Main	Dia. A Main	Net Each
16"	14"	\$33.00
18 - 20"	10"	\$23.00
18 - 20"	12"	\$28.00
18"	8"	\$22.00
18"	14"	\$51.00
18"	16"	\$51.00
18"	18"	\$67.00
20"	14"	\$51.00
20"	20"	\$73.00
24"	10"	\$22.00
24"	12"	\$29.00
24"	14"	\$30.00
24"	16"	\$37.00
24"	18"	\$49.00
24"	20"	\$55.00



90° ELBOW

Dia.	Net Each
4"	\$20.00
6"	\$22.00
8"	\$32.00
10"	\$45.00
12"	\$60.00
14"	\$83.00
16"	\$106.00
18"	\$137.00
20"	\$164.00
24"	\$228.00



14" - 24"
5 piece Construction



4" - 12"
1 piece Construction

45° ELBOW

Dia.	Net Each
4"	\$17.00
6"	\$19.00
8"	\$22.00
10"	\$29.00
12"	\$37.00
14"	\$52.00
16"	\$64.00
18"	\$75.00
20"	\$86.00
24"	\$118.00



14" - 24"
3 piece Construction



4" - 12"
1 piece Construction

VOLUME DAMPERS

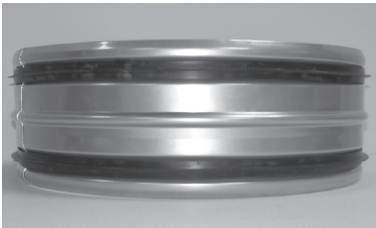
Dia.	Net Each
4"	\$30.00
6"	\$35.00
8"	\$38.00
10"	\$45.00
12"	\$52.00
14"	\$68.00
16"	\$76.00
18"	\$84.00
20"	\$93.00
24"	\$114.00



Volume Damper

COUPLING

Dia.	Net Each
4"	\$9.00
6"	\$9.00
8"	\$10.00
10"	\$11.00
12"	\$14.00
14"	\$18.00
16"	\$19.00
18"	\$20.00
20"	\$23.00
24"	\$30.00



PLUG

Dia.	Net Each
4"	\$11.00
6"	\$12.00
8"	\$14.00
10"	\$17.00
12"	\$18.00
14"	\$21.00
16"	\$25.00
18"	\$31.00
20"	\$39.00
24"	\$50.00



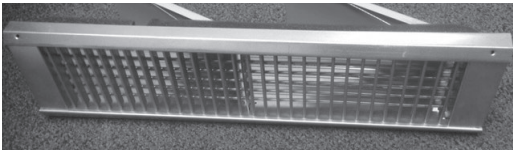
BELL MOUTH

Dia.	Net Each
4"	\$15.00
6"	\$15.00
8"	\$15.00
10"	\$17.00
12"	\$18.00
14"	\$19.00
16"	\$20.00
18"	\$21.00
20"	\$22.00
24"	\$24.00



UNIVERSAL SPIRAL
DUCT GRILL

Size	Minimum Duct Diameter (inches)	CFM • NC 30	Net Each
17 x 3	6	190	\$59.00
21 x 3	6	225	\$63.00
25 x 3	6	275	\$72.00
17 x 6	12	315	\$72.00
21 x 6	12	370	\$81.00
25 x 6	12	440	\$96.00

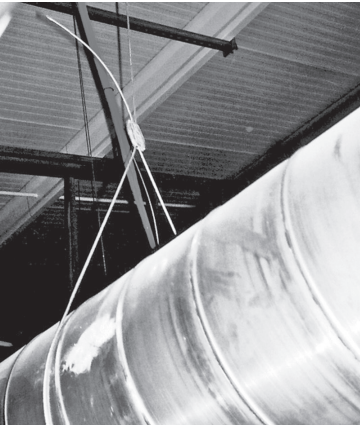


GRIPPLE

LOOPS, STUDS & EYELETS

Provides lighter, easier and faster alternative to threaded rod for hanging mechanical and electrical and HVAC equipment. Ready to use; requires no additional preparation time. Includes cable with loop or stud end fixing; grip secures free of cable and allows height adjustment of hanging object.

- Loop** For wrap-around anchoring on bar joists or other roof structures.
Stud For anchoring into concrete or metal. Includes ¼ drop-in expansion anchor.
Eyelet For anchoring into concrete, ceiling or decking.



Model	Weight	Length	End Fixing	Price per bag of 10
HF-0210L	100	10'	Loop	\$75
HF-0215L	100	15'	Loop	\$81
HF-0310L	200	10'	Loop	\$84
HF-0315L	200	15'	Loop	\$99
HF-0310S	200	10'	Stud	\$86
HF-0315S	200	15'	Stud	\$92
HF-EYE90G	100	10'	Eye	\$72
HF-EYE90G	100	15'	Eye	\$84
HFWRC	cable and wire cutter			\$49
HF-CCS	corner saddle for rectangular duct work			\$0.50 Each

FLEXIBLE DUCT: R-VALUE 6.0



Construction

Air Tight Inner Core - Double lamination of strong polyester encapsulates a steel wire helix.
Insulation - Formaldehyde-free Multi-thicknesses (R6) wraps the double layer inner core.
Jacket- Tough and durable bi-directional fiber reinforced metalized polyester jacket.

Application and Compliances

Product is designed for indoor use as a supply or return air duct in low to medium pressure residential and commercial heating and air conditioning systems. R values 6.0 can be used to complete air duct systems, branch duct, connecting to mixing boxes, diffusers, room inlets, or other devices. R factor requirements are determined by geographic building codes.

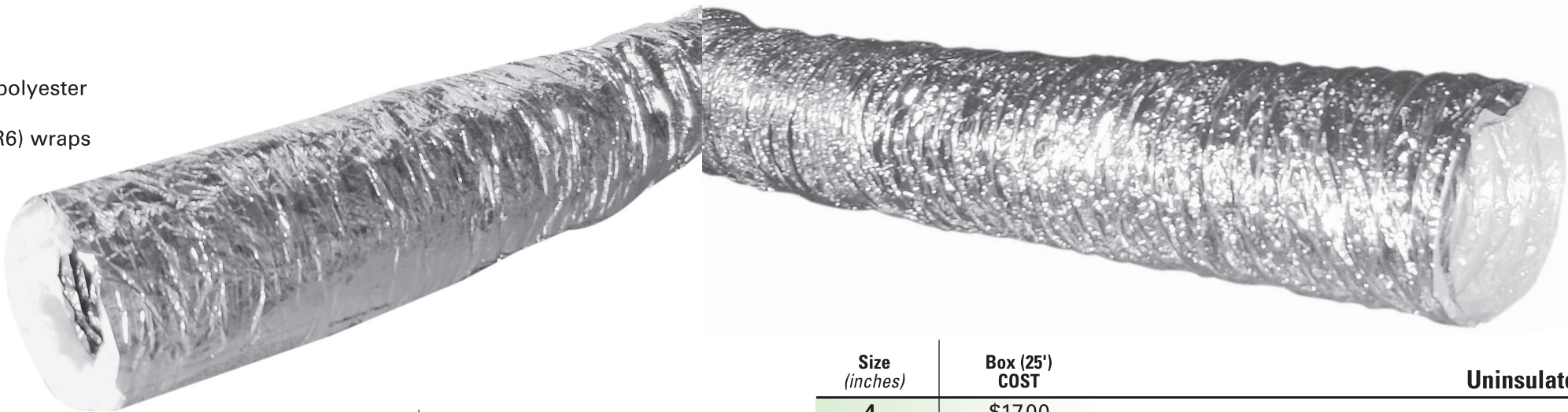
Performance Data

Conforms to U.L. Standard 181.	
Intertek Testing Service	
Max. Rated Velocity	5500FPM
Max. Rated Positive Pressure	10in. W.G.
Max. Rated Negative Pressure	3/4in. W.G.

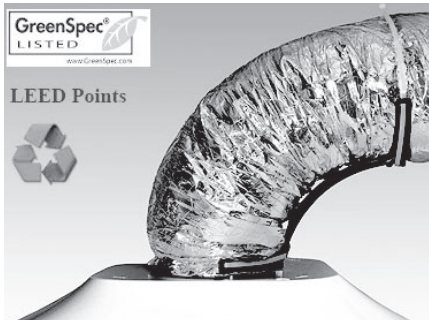
See installation instructions for joint treatments

Flame Spread	25 Max.
Smoke Developed	50 Max

Code Compliance: NFPA 90A and 90B, UL181



Size (inches)	Box (25') COST
4	\$22.00
5	\$25.00
6	\$28.00
7	\$31.00
8	\$33.00
9	\$38.00
10	\$42.00
12	\$52.00
14	\$62.00
16	\$72.00
18	\$84.00
20	\$102.00
Net Each	
36" Panduit Straps 50/pack	\$13.00
48" Panduit Straps 50/pack	\$17.00
Panduit Gun	\$54.00
Panduit Gun w/Auto Cut Off	\$70.00



Flexright Duct Brace \$6.00

► Fits 4" through 16" Duct

UNINSULATED FLEXIBLE DUCT

Size (inches)	Box (25') COST
4	\$17.00
5	\$20.00
6	\$22.00
7	\$26.00
8	\$28.00
10	\$39.00
12	\$45.00
14	\$58.00
16	\$68.00
18	\$84.00

Uninsulated Flexible Duct: Model UPC #050

An uninsulated, U.L. 181, Class 1 Air Connector, constructed of a triple lamination of metalized polyester, aluminum foil and polyester film encapsulating a steel wire helix.

Performance Data:
Rated Positive Pressure: 10" w.g. per U.L. 181
Recommended Operating Pressure: 6" w.g. pos., all dia.; 3/4" neg., all dia.
Velocity: 5,000 FPM
Standard Diameters: 3"-20"
Flame Spread/Smoke Developed:
Less than 25/Less than 50.

DUCT TAPE

Nashua / PolyKen / Berry Plastics

Contractor Grade/Printed Metalized Polycoated
Printed smooth flow metalized polyethylene for use on flex duct, sheet metal and fiberboard. More flexible and conformable with higher adhesive values than most rigid foil products.



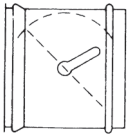
Model	Size (inches)	Description	Net Each per roll	Rolls per case
Polyken 557	2	Silver UL 181B-FX for flexible air duct & air connectors	\$16.00	24
Polyken 557	2½	Silver UL 181B-FX for flexible air duct & air connectors	\$19.00	16
Polyken 557	3	Silver UL 181B-FX for flexible air duct & air connectors	\$21.00	16
Polyken 339	2½	Aluminum UL 181B-A-P UL 181B-FX Peel-Off	\$19.00	16
Nashua FSK	3	Foil/Skrim/Kraft FSK Duct Board & Insulation	\$16.00	16
360-17 ALU	3	Mastic Tape Temp Range °F 20-200 Waterproof	\$31.00	16
555 Flex Fix	2	Metallic FlexFix Max Temp °F 210	\$12.00	36
555 Flex Fix	3	Metallic FlexFix Max Temp °F 210	\$18.00	24

Spin-In With Damper

Size (inches)	Net Each	Size (inches)	Net Each
6	\$4.80	12	\$7.40
7	\$5.75	14	\$9.60
8	\$6.20	16	\$24.00
9	\$6.70		
10	\$6.80		

Spin-In Take Offs: Model 702

For use with galvanized trunk duct

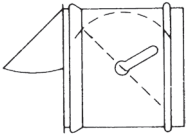
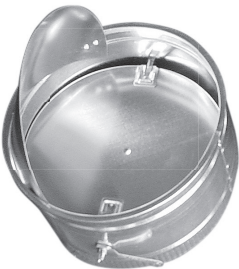


Spin-In With Scoop And Damper

Size (inches)	Net Each	Size (inches)	Net Each
6	\$6.60	12	\$11.05
8	\$8.40	14	\$16.50
10	\$9.60	15	\$31.00

Spin-In Take Offs: Model 703

For use with galvanized trunk duct

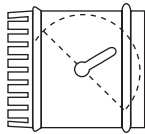


Starting Collars With Damper - Model 310
Starting Collars Without Damper - Model 261S

Size (inches)	Net Each (No Damper)	Size (inches)	Net Each (w/ Damper)
4	\$1.30	4	\$4.10
6	\$1.30	6	\$3.75
8	\$1.60	8	\$5.40
10	\$2.05	9	\$6.40
12	\$3.75	10	\$5.50
14	\$3.80	12	\$6.70
16	\$4.80	14	\$11.00
18	\$6.00	16	\$14.90
20	\$10.95	18	\$18.70

Starting Collars

For use with sheet metal duct



Reducer: Model 265

Size (inches)	Net Each	Size (inches)	Net Each
6 to 4	\$5.30	10 to 9	\$6.20
6 to 5	\$4.80	12 to 8	\$7.80
7 to 6	\$5.50	12 to 10	\$7.60
8 to 6	\$4.25	14 to 10	\$10.35
8 to 7	\$5.70	14 to 12	\$10.05
9 to 8	\$6.35	16 to 14	\$10.60
10 to 6	\$6.50	18 to 16	\$13.50
10 to 8	\$5.80	20 to 18	\$14.40



Gasket Stick-on Fittings:
with damper, for square duct - Model 168

2" DAMPER EXTENSIONS
FOR INSULATION.....\$2.25

Damper Blade only - See page 47 for pricing

Gasket Stick-on Fittings:
with damper, for round duct - Model 173

DAMPER EXTENSIONS
FOR INSULATION.....\$2.25

Damper Blade only - See page 47 for pricing

Bullhead Wyes - Model 272

End Caps - Model 273



Size (inches)	Net Each
4	\$7.00
5	\$7.00
6	\$6.90
7	\$7.40
8	\$7.70
10	\$11.00
12	\$13.50
14	\$15.90
16	\$17.50
18	\$20.00
20	\$23.00

Size (inches)	Net Each
4	\$7.90
5	\$7.90
6	\$6.90
7	\$8.50
8	\$9.40
10	\$11.50
12	\$16.00
14	\$17.00
16	\$23.00
18	\$34.00
20	\$38.00

Size (inches)	Net Each
6x4x4	\$16.70
8x6x6	\$14.00
10x8x8	\$16.70
12x10x10	\$20.60
14x12x12	\$34.40
16x14x14	\$42.00
18x16x16	\$44.50

Size (inches)	Net Each
4	\$4.60
5	\$4.95
6	\$5.35
7	\$6.00
8	\$6.75
9	\$7.10
10	\$7.40
12	\$8.80
14	\$11.00
16	\$13.00
18	\$17.40
20	\$24.00

SNAP-LOCK PIPE, ELBOWS, REDUCERS & SQUARE TO ROUNDS



Size	Net Each	Size	Net Each
4"/26ga	\$8.70	**18"/26ga	\$23.95
5"/26ga	\$9.30	**20"/26ga	\$27.10
6"/26ga	\$10.30		
7"/26ga	\$12.30		
8"/26ga	\$14.00		
9"/26ga	\$15.40		
10"/26ga	\$16.90		
12"/26ga	\$19.00		
14"/26ga	\$22.70		
**16"/26ga	\$21.00		

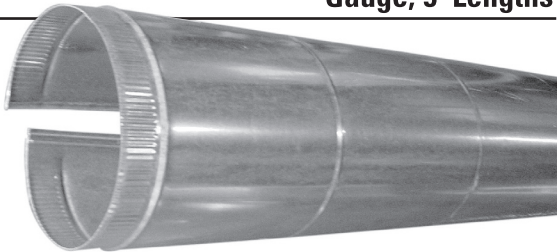
** 16", 18", 20" pipe comes in 4' lengths **

Size	Net Each	Size	Net Each
4"/26ga	\$2.10	14"/26ga	\$10.70
5"/26ga	\$2.60	16"/26ga	\$13.00
6"/26ga	\$3.10	18"/26ga	\$20.90
7"/26ga	\$4.60	20"/26ga	\$25.20
8"/26ga	\$4.50		
9"/26ga	\$5.60		
10"/26ga	\$6.20		
12"/26ga	\$7.90		

Size (inches)	Net Each	Size (inches)	Net Each
6x6 to 6 rd.*/***	\$8.00	20x20 to 14 rd.**	\$20.00
8x8 to 8 rd.*	\$8.00	20x20 to 16 rd.**	\$20.00
9x9 to 6 rd.*	\$10.00	20x20 to 18 rd.**	\$20.00
9x9 to 8 rd.*/***	\$10.00	20x20 to 20 rd.**	\$20.00
9x9 to 9 rd.*/***	\$10.00	21x21 to 8 rd.***	\$19.00
10x10 to 6 rd.*	\$10.00	21x21 to 10 rd.***	\$19.00
10x10 to 8 rd.*	\$10.00	21x21 to 12 rd.***	\$19.00
10x10 to 10 rd.*	\$10.00	21x21 to 14 rd.***	\$19.00
12x12 to 8 rd.*	\$11.00	21x21 to 16 rd.***	\$19.00
12x12 to 10 rd.*/***	\$11.00	21x21 to 18 rd.***	\$19.00
12x12 to 12 rd.*/***	\$11.00	21x21 to 20 rd.***	\$19.00
14x14 to 14 rd.*	\$12.00	22x10 to 6 rd.***	\$19.00
15x15 to 10 rd.***/*	\$12.00	22x10 to 8 rd.***	\$19.00
15x15 to 12 rd.***/*	\$12.00	22x22 to 6 rd.***	\$20.00
15x15 to 14 rd.***/*	\$12.00	22x22 to 8 rd.***	\$20.00
16x16 to 16 rd.*	\$13.00	22x22 to 10 rd.***	\$20.00
18x18 to 14 rd.***/*	\$15.00	22x22 to 12 rd.***	\$20.00
18x18 to 16 rd.***/*	\$15.00	22x22 to 14 rd.***	\$20.00
20x20 to 8 rd.**	\$20.00	22x22 to 16 rd.***	\$20.00
20x20 to 10 rd.**	\$20.00	22x22 to 18 rd.***	\$20.00
20x20 to 12 rd.**	\$20.00	22x22 to 20 rd.***	\$20.00
		22x46 to ?? rd.****	\$44.00

*3" High **6" High ***1½" High ****Price on 22/46 doesn't include round adaptor - field cut

Snap-Lock Pipe: 26 Gauge, 5' Lengths

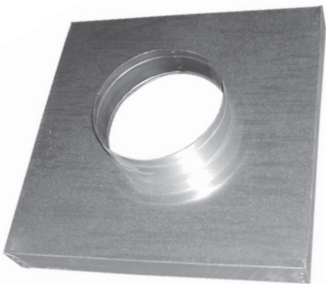


4" - 9" comes 10 pieces per bundle
10" - 20" comes 5 pieces per bundle

Elbows: 26 Gauge, 90°

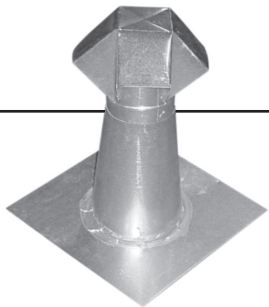


Square to Round



VENT TOP FLASHING, HIGH EFFICIENCY TAKE OFF & MISCELLANEOUS ITEMS

Size (inches)	Tall Flashing	Cap	Storm Collar
4	\$16.90	\$8.50	\$3.10
6	\$22.20	\$10.30	\$4.20
8	\$35.00	\$13.40	\$5.60
10	\$65.90	\$35.40	\$12.40



Vent Top Flashing

Combo Assembly

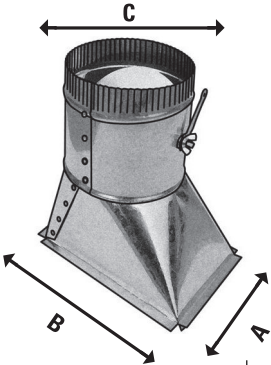
Size (inches)	Flashing & Cap Combos
4	\$22.30
6	\$31.40
8	\$36.60
10	\$47.40
12	\$57.60

Combo Assembly

- Cone spot welded to flashing/sealed w/silicone
- Cap collar assembly w/rivets
- Entire Assembly spot welded

Size (inches)	Net Each
A B C	
6 x 12 x 6 RD	\$20.05
6 x 12 x 8 RD	\$23.05
6.75 x 16 x 10 RD	\$35.80
8.5 x 18 x 12 RD	\$43.30
9.5 x 20 x 14 RD	\$49.50

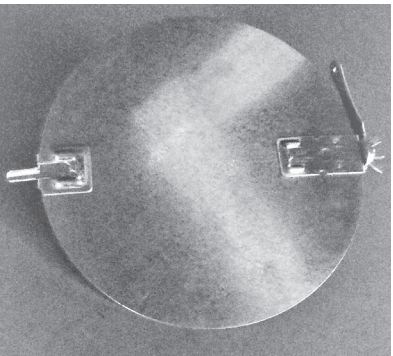
High Efficiency Take Off With Damper & Gasket



- **Gasket:** Fire Retardant polyethylene foam w/ double stick 3M tape UL94 HF - 1
- **Tags:** 1" long - can be used with 1" - 1.5" ductboard or metal
- **Damper Hardware:** Standard Regulator

- **2" Damper Extension** for insulation - \$2.25

		Price Each
1)	#10 x ¾" tech screws (self tapping) 1000 count	\$17.00
2)	#10 x ¾" tech screws (self tapping) 7000 count	\$97.00
3)	1" Galvanized Hanging Strap 26 Gauge 100' roll	\$14.00
4)	1½" Galvanized Hanging Strap 26 Gauge 100' roll	\$20.00
5)	Caddy Clamps Strap Hanger Clips MSR 24 50 per box	\$92.00
6)	Vent Fabric Quadrants for use with 1/2 rod	\$11.00
7)	Standing S-Lock 10'	\$11.00
8)	Flat S-Lock 10'	\$7.00
9)	2" Angle 10' (22 ga)	\$7.00
10)	Touch up Paint for Nailor Grilles (appliance white)	\$21.00
11)	Panduit Duct Straps 36" or 48" (50 per bag)	\$13-36" \$17-48"
12)	Panduit Gun	\$54.00
13)	Panduit Gun with Auto Cut Off	\$70.00
14)	¾" Threaded Rod 10'	\$4.75
15)	Marco Strut 1½" x 10' (14 ga)	\$19.00
16)	Marco ¾" Flat Washer Pleated (100 per box)	\$5.50
17)	Marco ¾" 16 Hex Nuts Pleated (100 per box)	\$5.50
18)	Fire Damper Fusible Links 165° or 212°	\$6.00
19)	Radiation Damper Fusible Links 165° or 212°	\$6.00
20)	Ductmate ModelTB Beam Clamp	\$3.25
21)	¾" Beam "C" Clamp	\$1.50
22)	2" Brushes	\$1.10
23)	10'S Drive	\$4.50
24)	Round Duct Strap Bracket	\$3.50
25)	Right Angle Strap Hanger for use with ⅛" - ¼" flange 100/box	\$120.00



Model 275 Damper Blade			
4"	\$2.65	12"	\$7.80
6"	\$3.40	14"	\$9.30
8"	\$4.20		
9"	\$5.40		
10"	\$6.50		



Tool	Description	Tool	Description
12F	12" Folding Tool 3/8", 1"	M2005	Bull Dog Snip
12KH7	12" 7TPI Roughin Bi-Metal Blade	M2006	Left Cut Offset
18	18" Rad. Divider	M2007	Right Cut Offset
18F	18" Folding Tool	MC14N	14" Aluminum Combination SN
24F	24" Folding Tool	MT10	10" Multi Track Pliers
4KH6	6" 6 Tpi Bi-Metal Roughin Blade-5	MT12	12" Multi Track Pliers
4KH7	6" 7 Tpi Hi Carbon Roughin Blade	MSHL14	1/4" Long Magnetic Hex Driver
4MC18	6" 18 Tpil Metal Cutting Blade-5p	MSH14	1/4" Magnetic Hex Driver
4MC24	6" 24 Tpil Metal Cutting Blade-5p	MSH3/8	3/8" Magnetic Hex Driver
9MC10	9L 10/14 Tpi Metal Cutting Blade	MSH516	5/16" Magnetic Hex Driver
AV3	AV3 Crew Snip Combo	MSHC	1/4" + 5/16" Hex Driver
AV6	AV6 Crew Snip Left O	MSHL516	5/16" Magnetic Hex Driver, Long
AV7	AV7 Crew Snip Right	N1R	Hand Notcher
BHE06	6" Bit Holder 4p	RH4V	12 oz. Grippd Riveting Hammer
BHE10	10" Bit Holder 4	RRW3	Ratchet Wrench - Sq. Driver
C5R	C5 Pipe Crimper 5 Blade	RRW5	Ratchet Offset Wrench
CB	Cutter Bit For HC1/HC2	RTC829	Ratchet Tube Cutter - 5/16" - 11"
BAKRB	Breakaway Utility Blades 10/12	S2R	3" Hand Seamer
BAK	Breakaway Utility Knife	S3R	3" Offset Hand Seamer
CBB	Cutter Bit For HC1/HC2-5	SH3V	18 oz. Setting Hammer
CG10	Caulk Gun	SL1R	Snap Lock Punch
CR18	Hand Riveter	SL2R	Snap Lock Punch, Forge
DK6S	Cusion Grip Knife-Serr	ST1500	1/4" - 1 5/8" Tube Cutter
DS1	Duct Stretcher	T416M	16' Tape - Magnetic Tip
DS1C	Duct Stretcher Wheel	T425M	25' Tape - Magnetic Tip
DS2	Offset Duct Stretcher	T430M	30' Tape - Magnetic Tip
FST2	Fin Straightening Tool	TC174	Big "IMP" Tube Cutter
HC1	Hole Cutter, to 12"	TC274	Heavy Duty Tube Cutter
HC1B	Pivot Pin for HC1 & HC2	TC312	Tube Slicer / Cutter 1/4 - 1 5/8"
HC2	Lrg Hole Cutter, to 20"	TS1	Turbo Shear
HW7X1/2ZG	7" X 1/2" Zip-In Bag/100 Screw	TS1RB	Turbo Shear Replacement
HW7X1/2ZT	7" X 1/2" Zip-In Bag/1000 Screw	TSHD	Heavy Duty Turbo Shear
L9M	9 Torpedo Level w/Magnet	TY4G	Panduit Gun
M12N	12" Aluminum Snip	TY6	Panduit Gun, Auto Shut
M2001	Left Cut Snip	UBS5	Straight Utility Blade
M2002	Right Cut Snip	WSC1S	Cutter Stripper w/Spring
M2003	Combo Cut Snip	WSC8	Cutter, Crimper, Stripper
M2004	Double Cut, Metal		

** Call HMI to check pricing & availability **



DUCTMATE PROSEAL DUCT SEALER AND ACCESSORIES

Proseal Duct Sealer

Proseal is a premium quality high velocity water based duct sealant.

Special Characteristics:

- UL classified
- permanently flexible
- exceptional workability
- will not drip or sag
- low brush drag
- low shrinkage
- excellent adhesion to metal
- mild odor
- indoor or outdoor use
- superior sealing strength
- conforms to NFPA 90A & 90B
- mildew resistant

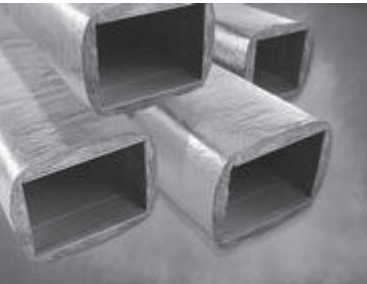


Item	Net Each
Proseal - 1 gallon pail	\$ 18.00

Proseal Duct Sealant applied to inorganic reinforced cement board:
▸ flame spread - 0
▸ smoke developed - 0

Item	Net
2" brushes	\$1.10 each

DuctMate Proseal meets LEEDS requirements.



Knauf Friendly Feel® Duct Wrap with ECOSE® Technology sets a new industry benchmark for sustainable, high-performance, cost-effective insulation solutions.

- R6 Value
- Sustainable Insulation Combination:

- Sand, one of the world's most abundant and renewable resources,
- Minimum 35% post-consumer recycled bottle glass and
- ECOSE Technology

Item	
2 3/16" x 48" x75' roll	\$84.00

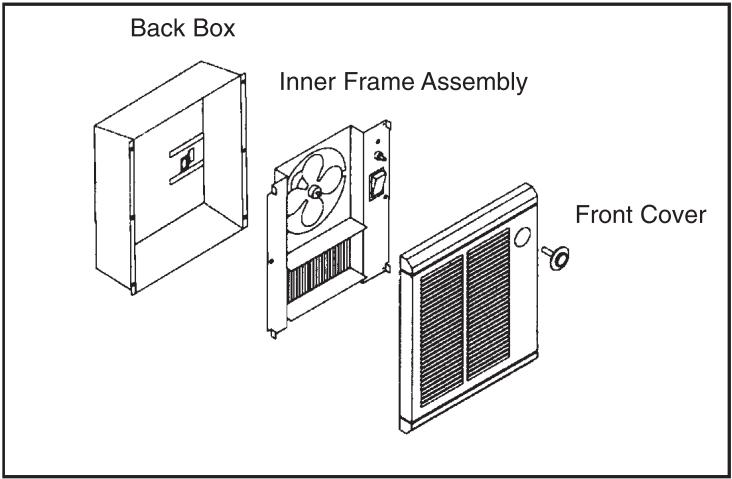


FRA & SRA SERIES
SMALL ROOM FAN FORCED HEATERS

- BUILT-IN DISCONNECT SWITCH
 - BUILT-IN THERMOSTAT
 - AUTOMATIC FAN DELAY
 - TAMPER PROOF FRONT COVER
- THREE PIECE CONSTRUCTION
 - RECESSED OR SURFACE INSTALLATION
 - DUAL RATING VOLTAGE
 - NAVAJO WHITE BAKED ENAMEL FINISH



FILE # E21609



Model	Volts	KW	BTU/HR	Amps	Net Each	2" Wall Sleeve	Surface Mt. Box	Tamper Proof Cover
SRA1512DS	115	1500/750	5119/2560	12.5/6.3	\$264.00	\$41.00	\$41.00	\$25.00
SRA2020DS	208	2000/1000	6826/3413	9.6/4.8	\$264.00	\$41.00	\$41.00	\$25.00
SRA2024DS	240/208	2000/1500	6826/5119	8.4/7.2	\$264.00	\$41.00	\$41.00	\$25.00
FRA4024	240/208	4000/3000	13652/10239	16.7/14.5	\$386.00	\$65.00	\$63.00	\$46.00
FRA4824	240/208	4800/3600	16382/12287	20.0/17.3	\$386.00	\$65.00	\$63.00	\$46.00
SRA2027DS	277/240	2000/1500	6826/5119	7.2/6.3	\$264.00	\$41.00	\$41.00	\$25.00
FRA3027	277	3000/1500	10239/5120	10.8/5.4	\$386.00	\$65.00	\$63.00	\$46.00
FRA4027	277/240	4000/3000	13652/10239	14.5/12.5	\$386.00	\$65.00	\$63.00	\$46.00

• All heaters are single phase.

Model FRA

Rough-In Box: **W H D**
Surface Mt. Box: **14⁵/₁₆" x 18¹/₄" x 3³/₄"**
15³/₄" x 19⁵/₁₆" x 3³/₄"

Model SRA

Rough-In Box: **9¹/₄" x 11" x 4"**
Surface Mt. Box: **10⁵/₈" x 12¹/₈" x 4"**



- Berko Model HUHAA Unit Heater for horizontal or vertical mounting
- Universal Voltage, KW, and phases on selected models
- Auto control delays fan action until heating element is warm
- Automatic reset linear thermal capillary
- Aluminum-finned, copper-clad steel sheath heating elements

Model	Volts	KW	Amps	PH	Standard Cont. Volt	HP	Net Each
HUHAA524	208/240	3.7/5.0	18.0/21.0	1-3	208/240	1/100	\$496.00
HUHAA724	208/240	5.6/7.5	27.0/31.3	1-3	24	1/30	\$764.00
HUHAA1024	208/240	7.5/10.0	36.0/42.0	1-3	24	1/30	\$824.00
HUHAA327	277	3	11	1	277	1/100	\$509.00
HUHAA527	277	5	18	1	277	1/100	\$525.00
HUHAA348	480	3	3.6	3	24	1/100	\$641.00
HUHAA548	480	5	6	3	24	1/100	\$693.00
HUHAA748	480	7.5	9	3	24	1/30	\$873.00
HUHAA1048	480	10	12	3	24	1/30	\$923.00

- 24-volt controls units are supplied with low voltage control transformer and contactors except 3-5 KW and 277 & 208/240
- Single and three phase wiring on dual phase units are field interchangeable
- No disconnect

ACCESSORIES

Model	For Use With	Description	Net Each
HUHAAB10	3KW to 10KW units	wall or ceiling bracket	\$63.00
HUHAAMT1	all except 5KW 3PH	single pole field installed	\$90.00
T8775A1009	24 volt units	low voltage t'stat	\$74.00
M602W	3 phase heaters	line voltage t'stat	\$40.00
M601W	1 phase heater	line voltage t'stat	\$28.00
HUHAAMT2	5KW 3 phase	2 stage field installed	\$134.00
HUHAADS25	277/460	disconnect - 25 amps	\$148.00
HUHAADS60	208/3 phase only	disconnect - 60 amps	\$206.00

Honeywell E3 Point Gas Detection
System and Accessories:

Model # E3SA/E3SAH: 24v/120v
Stand Alone Detector

Model # E3SM - 24v Network

E3 Point Sensors:

- O2 - Oxygen
- H2 - Hydrogen
- CH4 - Methane
- CO - Carbon Monoxide

Sensor Cartridge: E3SRMNO2 (Remote)

Accessories:

- Model 301AP Annunciator Panel
- Model 301C Controller
- Model 301CEM Controller (Refridg Detector)
w/ horn and strobe

Refrigerant Detectors w/ Horn and Strobe

- Model R134A Refrigerant Sensor



** Contact Sales for current pricing **



Model PDP

- Power vented propeller gas fired unit heater
- Low profile design, aluminized steel heat exchanger
- 115v/60/1 voltage, natural gas, 115v to 24v transformer



Model HD

- Power vented propeller gas fired unit heater
- Tubular aluminized steel heat exchanger
- Single stage 115v/60/1 voltage, natural gas, 115v to 24v transformer

Model	Description	Net Price
HD-30	30 MBH Vented Unit	\$670.00
HD-45	45 MBH Vented Unit	\$697.00
HD-60	60 MBH Vented Unit	\$739.00
HD-75	75 MBH Vented Unit	\$767.00
HD-100	100 MBH Vented Unit	\$880.00
PDP-150	150 MBH Vented Unit	\$1057.00
PDP-200	200 MBH Vented Unit	\$1260.00
PDP-250	250 MBH Vented Unit	\$1409.00
PDP-300	300 MBH Vented Unit	\$1686.00
PDP-400	400 MBH Vented Unit	\$2061.00
VENT CAP 4	Vertical 4" Vent Cap HD 30-100	\$33.00
VENT CAP 5	Vertical 5" Vent Cap PDP 150-250	\$39.00
VENT CAP 6	Vertical 6" Vent Cap PDP 300-400	\$62.00
Conversion Kit	Converts from Natural Gas to Propane	\$80.00
24v T-Stat	Honeywell Model #T812C1000	\$30.00

DETROIT RADIANT INFRARED TUBE HEATERS



MODEL	DESCRIPTION	NET PRICE
HL3-20-75N	2 Stage low intensity - 75,000 BTU	\$988.00
HL3-20-100N	2 Stage low intensity - 100,000 BTU	\$1,119.00
HL3-20-150N	2 Stage low intensity - 150,000 BTU	\$1,294.00
* Inclusive of Burner Kit, Tube Box, Baffles & Hanging Kit *		
ACCESSORIES:		
MODEL	DESCRIPTION	NET PRICE
10 EA	10' Extension Tube/Reflector	\$174.00
20 EA	10' Extension Tube 2 / Reflectors	\$340.00
ERK	External Relay Kit for HL3 Heaters	\$28.00
RUP	"U" Tube Reflector	\$120.00
THCS	5' Chain Set for HL3 Heaters	\$5.00
TH-P721	Programmable 24 v Tstat	\$58.00

*** DISCONTINUED WAREHOUSE ITEMS***

- ✦ REZNOR UDAP AND UEAS GAS FIRED HEATERS
- ✦ BERKO MODEL HVDMB20 AND HVDMB5 VERTICAL BRACKETS
- ✦ NAILOR MODEL 0716 24X24 SQUARE RADIATION DAMPER
- ✦ NAILOR MODEL 5075 - 6'X1' SLOT & 6'x2' SLOT
- ✦ NAILOR MODEL OBD-S 21X21 (W/DRIVER LEVER)
- ✦ NAILOR MODEL 61FB45 - 48X24 FILTER GRILLE
- ✦ NAILOR MODEL D0114-12H 16X16 AND 16X8 FIRE DAMPER
- ✦ NAILOR MODEL OBD-S 30X10 OPPOSED BLADE DAMPER
- ✦ KINETICS MODEL SH-1-500 + SRH-1-500 SPRING ISOLATORS
- ✦ HONEYWELL GAS DETECTION ACCESSORIES
- ✦ LOREN COOK MODEL ACEB-60 ROOF TOP FAN
- ✦ ROYAL METALS 7" & 9" SPIN-INS

*** CONTACT HMI FOR PRICING AND AVAILABILITY***



Home Office & Warehouse

Charlotte, NC

4901 Dwight Evans Road
Suite 120
Charlotte, NC 28217
[704] 523-5000 *phone*
[704] 523-5171 *fax*
[704] 523-5344 *warehouse phone*
[704] 523-5880 *warehouse fax*
receptionist@hahn-mason.com

Regional Offices

Raleigh, NC

1001 Wade Ave.
Suite 205
Raleigh, NC 27605
[919] 834-9230 *phone*
[919] 831-9714 *fax*

Asheville, NC

1796 Hendersonville Road
Suite S
Asheville, NC 28803
[828] 277-1544 *phone*
[828] 277-1564 *fax*

Charleston, SC

128 S. Main St., Ste. 1
Summerville, SC 29483
[843] 871-2493 *phone*
[843] 871-2510 *fax*

Columbia, SC

2330 Main Street
Columbia, SC 29201
[803] 978-2038 *phone*
[803] 978-2039 *fax*

Greensboro, NC

2915 Baltic Avenue
Greensboro, NC 27406
[336] 272-9198 *phone*
[336] 272-9299 *fax*

Greenville, SC

112 South Main Street
Suite E
Greer, SC 29651
[864] 655-5980 *phone*
[864] 655-5982 *fax*

Hickory, NC

511 S. Main Ave.
Newton, NC 28645
[828] 726-2412 *phone*
[828] 994-4249 *fax*

www.hahn-mason.com



HAHN-MASON
AIR SYSTEMS