

Soler & Palau Canada
World Class Ventilation Technology



CANADIAN CVA CATALOGUE

October 2006

Soler&Palau
Ventilation Group

Soler & Palau Canada
WORLD CLASS VENTILATION TECHNOLOGY



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FAN MODELS CROSS REFERENCE WITH COMPETITORS

Models are for general similarity only. Refer to specifications and construction data for details.

S&P	DESCRIPTION	ACME	CARNES	COOK	GREENHECK	PENN	TWIN CITY	COOLAIR	EMERSON
DB	Power Roof Exhauster - Centrifugal -Belt Drive	PV/PNN	VEBK	ACEB	GB	DXB/KB/JB/MB	BCCR	CRBCA	5BDD
LPD & RED	Power Roof Exhauster - Centrifugal -Direct Drive	PRN	VEDK	ACED	G	DX	CRDD	CRDA	5DDD
TXB	Upblast Roof Exhauster - Centrif. - Belt Drive	PNU/PU/PUH	VUBK	ACRUB	CUBE	FXB/FMX	BCRU	UBCA	5BDU
TXB (UL-762)	Upblast Restaurant Hood Exhauster - Belt Drive	PNU-RG	VRBK	VCR	CUBE	FXBFT/FMBFT	BCRUR	CUBA	5BDU-762
TXD	Upblast Roof Exhauster - Centrif. -Direct Drive	PDU	VUDK	ACRUD	CUE	FX/FMX	DCRU	UDCA	5DDU
CWD	Sidewall Centrifugal Exhaust-Direct Drive	PW	VWVK	ACWD	GW	WX/WAWWB	TCWX	CWDA	5DDW
FF/FFC	Bathroom Fans & Cabinet Fans	V/VQ	VCDD	GEMINI-GC/GN	SP/CSP	ZEPHYR-Z	T/TL	CF/CFL	-
KSF	Filtered Fresh Air Supply Roof Fan	AFSI	VSBB	KSPB	KSU/RSF	MU	BCFS	CSF/SIS	5FSU
ARE/ARS	Dome Axial Power Roof Exhaust/Supply	LQ	LEDA	AQD	AIS	DAE	-	SASD/SAED	5ADE/5ADS
GED/GSD	Sidewall Propeller Fan - Direct Drive	FQ/FN	LTDK/LZDK	APD	SE/SSI	P	TCPE	CDC	-
LCE/LCS	Sidewall Propeller Fan - Belt Drive	DC/DCK	LWBA/LWBK	XL/M/SWB	SBE/S I&2	BLI/BFM/BBK	WPMB	C-SERIES	IRHR/IRHS
L2E/L2S	Sidewall Propeller Fan-Belt Drive -H.D.	DCK/DCH	LABA	XL/XM/AWB/HWB	-	BFM/BFH/BCH	WPMB	C-SERIES	INDE/IHDE
SQB	Inline Duct Fan - Centrifugal - Belt Drive	XB	VIBK	SQN-B/SQ-B	BSQ	SXB	BST	SQBA	-
SQD	Inline Duct Fan - Centrifugal - Direct Drive	XD	VIDK	SQN-D/SQ-D	SQ	SX	DSI	SQDA	-
UBS	Axial Upblast Roof Exhauster - Belt Drive	UBG	LUBA	LXU/LEU/LSU	PUB/RBU	HS/HZ	LPRVX	J/JT	5BLT
HREB-C	Hooded Propeller Roof Exhauster	EC/ECH	LTBA	HXE/HEE	RBE/RBCE	AF/AC	LPHB	PEB	IRHE
HRSB	Hooded Propeller Roof Supply	EC-S/ECH-S	LGBA	HXS/HES	RBS/RBCS	AF/AC	HVWP	PSB	5RHS
RCXII	Non-powered Roof Vent - Round Dome	LQV	GSA	PR	GRS	DR	GRV	ARVE	-



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Product Availability

All of the fans in this catalogue are in inventory and ready to ship from Soler & Palau Canada's Toronto Warehouse. Exceptions may be models: HREBC, HRSB, and UBS. Check with the wholesaler in your area for delivery lead times.

Additionally, in an effort to provide the quickest and most efficient service, Soler & Palau Canada has Stocking Distributors throughout Canada. Check our web site for the closest Distributor to your location. www.solerpalaucanada.com

The Wholesaler selling these fans is a Soler & Palau Business Partner. Together, we are committed to excellence in Quality, Price, and, above all, our Service to you.

Please check with your Wholesaler regarding shipment schedules & stock product availability, larger orders, additional accessories, special construction, technical support, application assistance, replacement parts, or any other service we can provide for you.

Limited Warranty

Soler & Palau (Manufacturer) warrants equipment of its manufacture to be free from defects in design, materials and workmanship (exclusive of abrasion, corrosion or erosion) for two (2) years (unless otherwise noted) from the date of shipment to the original purchaser or the date of notification of readiness to ship. Motor warranty is one (1) year (unless otherwise noted). In order to claim the benefit of this warranty, buyer must notify manufacturer in writing of the claimed defect within ten (10) days after discovering it and return this equipment or parts to the manufacturer with transportation prepaid. In the event of on-site repair, no service technician will be dispatched until manufacturer receives your written purchase order. If any of the following conditions exist, the warranty will be null and void: **(1)** Buyer has permitted other persons not approved or authorized by manufacturer to alter, adjust, replace or repair the equipment or any part thereof. **(2)** Buyer has not followed instructions or other directions given in the contract documents or our maintenance manual. **(3)** When breakage or other loss or damage is the result of any negligence, misuse or fault on the part of any operator or other person not under our supervision or control. **(4)** The defect is the result of designs or drawings made, furnished or specified by others. **(5)** In the case of goods not manufactured but supplied by the manufacturer as part of a contract, manufacturer shall only be liable to the same extent that our supplier is to manufacturer, not to exceed any liability manufacturer would have for warranty on our own equipment. **(6)** Buyer has not paid in full invoices submitted to the buyer which are due for payment. **(7)** Unusual wear and tear of the equipment.

Statements relating to the product, its use or installation made prior to the execution of the agreement, are not warranties except to the extent that the contrary is expressly set forth herein. It is understood that such statements were not intended to, and did not, form a part of the agreement; they were merely made in the course of negotiations of the parties.

THIS WARRANTY IS IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. OUR SOLE AND EXCLUSIVE OBLIGATION UNDER THIS WARRANTY IS TO REPAIR OR REPLACE DEFECTIVE EQUIPMENT OR PARTS OR, AT OUR OPTION, TO PAY THE REASONABLE COST OF REPAIR OR REPLACEMENT. BUYER AGREES THAT NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES, DAMAGE FOR LOST PROFITS OR SALES, OR DAMAGES FOR INJURIES TO PERSON OR PROPERTY) SHALL BE AVAILABLE. NOTWITHSTANDING THE ABOVE, THE TOTAL AMOUNT THAT MAY IN ANY EVENT BE PAYABLE IN SETTLEMENT OR LIABILITY, HOWEVER INCURRED, SHALL NOT EXCEED THE CONTRACT PRICE.



MODEL LPD

LOW PROFILE DIRECT DRIVE CENTRIFUGAL ROOF/SIDEWALL EXHAUSTER

CENTRIFUGAL ROOF & WALL EXHAUSTERS

FEATURES

- Ultra low profile
- AMCA Air & Sound Licensed
- UL 705 listed
- UPS shipping carton
- 5 year housing warranty
- Up to 140°F airstream temperature
- Roof or sidewall mount



CONSTRUCTION

- Aluminum construction
- Stainless steel exterior fasteners
- Backward curved centrifugal wheel
- Aluminum birdscreen
- Conduit wiring chase
- Service disconnect switch
- Precision balanced to ISO Standard 1940

AMCA SEAL



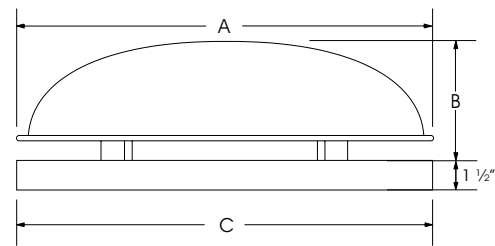
Soler & Palau USA, certifies that the Models LPD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705

MOTOR

- Unique external rotor design
- Permanently lubricated bearings
- 3 year motor warranty
- Internal thermal protection
- 100% speed controllable
- Totally enclosed and continuous duty



DIMENSIONAL DATA

MODEL LPD	O.D. DAMPER	ROOF OPENING	CURB O.D.	A	B	C	AVERAGE SHIP WT. LBS.
6	11	11-3/4	14-3/4	16-1/2	7	16-1/2	12
8	11	11-3/4	14-3/4	16-1/2	7	16-1/2	15

PERFORMANCE DATA

MODEL LPD	CFM @ STATIC PRESSURE											RPM (NOM.)	MAX MOTOR WATTS & AMPS	SONES @ 1/2"	VENTILATOR WITH TE MOTOR	
	0	1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4				115/1/60 STOCK NO.	230/1/50-60 STOCK NO.
6	302	268	247	222	197	175	155	118	87	52	-	2800	90 WATTS 0.8 AMPS	7.2	LPD061AS	N/A
8	387	358	331	303	275	245	222	178	138	28	63	2775	115 WATTS 1.0 AMPS	11.9	LPD081AS	N/A

MODEL LPD	14" HIGH CLIPLOCK ROOF CURB	GRAVITY DAMPER	115 VOLT SPEED CONTROL
	STOCK NO.	STOCK NO.	STOCK NO.
6	611214C	411011	2727.1
8	611214C	411011	2727.1

Performance certified is for installation type A-free inlet, free outlet. Performance ratings include the effects of birdscreen in the airstream. The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A-free inlet fan sones levels.

*Base unit=AMCA Seal for Sound Rating does not apply to units with speed control + RPM range capable with solid state speed control. Speed (RPM) shown is normal. Performance is based on actual speed of test.

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



MODEL DB DOWNBLAST BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER

APPLICATION

Model DB belt drive units are used for the exhaust of relatively clean air from a wide range of commercial, industrial and institutional environments such as manufacturing and assembly plants, office buildings, schools, hospitals, restaurants, athletic facilities and many others.

The nonoverloading wheel with its higher static pressure capabilities makes this unit suitable for either ducted or nonducted applications. Its roof mounting permits location near the area to be ventilated, allowing short duct runs and more efficient operation.

The aluminum exterior provides an attractive appearance. Belt drive results in lower operating RPM and sound levels, making the Model DB well suited to applications where quiet operation is important. Belt drive also permits easy performance adjustments when needed to balance the total ventilation system.

CONSTRUCTION

Housing

- Heavy-gauge aluminum for extra strength with prepunched mounting hole.
- Neoprene isolators for reduction of vibration and sound.
- Cover easily removed for quick access to motor compartment.
- Water tight conduit tube for easy electrical connection from below roof.
- Aluminum birdscreen and disconnect are included on standard models.
- Stainless steel exterior fasteners.

Centrifugal Wheel

- All aluminum backward inclined wheel.
- Nonoverloading for safe operation in ducted systems.
- Statically and dynamically balanced for smooth operation.

Drives

- Sized for minimum 150% of drive horsepower.
- Machined cast iron adjustable motor pulleys.
- Adjustable base for belt tensioning.
- Nonstatic oil resistant v-belts.

DIMENSIONAL DATA

MODEL DB	A	B	C	D	MOTOR COVER OD	CURB CAP FLANGE	ROOF OPENING	Average Ship Wt. Lbs.
6-8-9	20 1/2	17 1/2	16 1/2	3 1/2	16 1/4	1 3/4	11 1/2	65
11-12-14	28 3/8	23	24	3 1/2	22 1/4	2	19 1/2	120
16	32 1/4	24	24	6	26 1/4	2 1/2	19 1/2	140
18	32 1/2	24	29 1/2	4 1/2	26 1/4	2 1/2	24 3/4	160
20	36 3/4	25	29 1/2	4 1/2	26 1/4	2 1/2	24 3/4	215
24	41 1/4	26 1/2	35 3/4	7 1/2	30	2 1/2	30 3/4	270
30	58 3/8	37	42 1/2	5 1/2	41	2 1/2	37 3/4	465
36	58 3/8	37	42 1/2	10	41	2 1/2	37 3/4	475
42	73	40 1/2	55	9 1/2	54 5/8	2 1/2	50 1/4	525
48	73	40 1/2	55	13	54 5/8	2 1/2	50 1/4	780

MODEL DB	RECOMMENDED 14" HIGH CLIPLOCK MOUNTING CURB		RECOMMENDED GRAVITY DAMPER		FAN LESS MOTOR & DRIVE
	OD	STOCK NO.	OD	STOCK NO.	STOCK NO.
6-8-9	15	611214C	11	411011	DB06LMDS-DB08LMDS-DB09LMDS
11-12-14	22 1/4	611222C	18	411018	DB11LMDS-DB12LMDS-DB14LMDS
16	22 1/4	611222C	18	411018	DB16LMDS
18	27 3/4	611227C	24	411024	DB18LMDS
20	27 3/4	611227C	24	411024	DB20LMDS
24	33 3/4	611233C	30	411030	DB24LMDS
30	40 3/4	611240C	36	611036	DB30LMDS
36	40 3/4	611240C	36	611036	DB36LMDS
42	53 1/4	611253C	48	611048	DB42LMDS
48	53 1/4	611253C	48	611048	DB48LMDS



Motors

- Single speed open drip-proof are standard.
- All motors are rated for continuous duty.
- 182T and larger motors shipped unmounted for field installation.
- Disconnect switch standard with single speed drip-proof motors.

Bearings

- Heavy-duty ball bearing type.
- Prelubricated and permanently sealed.

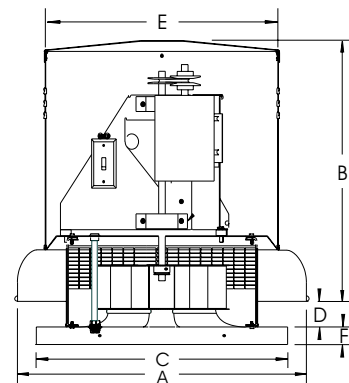
AMCA SEAL



Soler & Palau USA, certifies that the Models DB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705



ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER.

DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



MODEL RED DOWNBLAST DIRECT DRIVE CENTRIFUGAL ROOF EXHAUSTER

APPLICATION

Model RED direct drive units are used to exhaust air from all types of commercial and institutional buildings such as hospitals and health care facilities, schools, recreational buildings, machinery and equipment rooms, offices, retail stores and similar applications.

The nonoverloading wheel with its higher static pressure capability makes this unit suitable for either ducted or nonducted applications. It's roof mounting permits location near the area to be ventilated, allowing short duct runs and more efficient operation.

The spun aluminum exterior provides an attractive appearance and is compatible with belt driven Model DB and companion gravity units to make up a complete ventilation system. Direct drive units use smaller diameter wheels, resulting in low sound levels and quiet operation. They have no belts or fan bearings to maintain or adjust and consequently require very little maintenance.

CONSTRUCTION

Housing

- Curb cap has prepunched mounting holes for ease of installation.
- Fan plate isolates motor compartment from contaminated exhaust air.
- Spun aluminum hood and skirt for weather protection and attractive appearance.
- Heavy-gauge motor support for rigidity and strength
- Neoprene isolators for reduction of vibration and sound.
- Quick access to motor compartment for ease of maintenance.
- Conduit passage for easy electrical connection from below roof.
- Aluminum birdscreen and disconnect are included on standard models.

Centrifugal Wheel

- Non overloading for safe operation in ducted systems.
- Backward inclined wheels constructed of noncorrosive aluminum.
- Statically and dynamically balanced for smooth operation.

Speed Controllable Motors

- Standard motors are single speed, speed controllable and drip-proof.
- All motors are rated for continuous duty.
- Disconnect is standard with single speed drip-proof motors.
- Motors ship mounted as standard.

DIMENSIONAL DATA

MODEL RED	A	B	C	D	ROOF OPENING	Average Ship Wt. Lbs.
6	21 3/4	12	16 1/2	1 3/4	11 3/4	50
8	21 3/4	15 3/4	16 1/2	1 3/4	11 3/4	50
10	21 3/4	17 1/4	16 1/2	1 3/4	11 3/4	50
12	33 1/8	23 1/2	24	2	19 1/4	120
15	33 1/8	23 1/2	24	2	19 1/4	124

MODEL RED	RECOMMENDED 14" HIGH CLIPLOCK MOUNTING CURB		RECOMMENDED GRAVITY DAMPER		115 VOLT SPEED CONTROL	
	OD	STOCK NO.	OD	STOCK NO.	STOCK NO.	STOCK NO.
6	14 3/4	611214C	11	411011	2727.1	N/A
8	14 3/4	611214C	11	411011	2727.1	N/A
10	14 3/4	611214C	11	411011	2727.1	N/A
12	22 1/4	611222C	18	411018	2727.1	2828.1
15	22 1/4	611222C	18	411018	N/A	2828.1

SPEED CONTROL **2727.1 MAX 1/3 HP-5 AMP 120V**
2828.1 MAX 1/2 HP-10 AMP 120V

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



ACCESSORIES

Solid State Speed Control:

Control is matched to the motor and blower wheel to allow continuous reduction in performance allowing adjustments of airflow for system balancing. CFM is reduced in direct proportion to motor speed reduction. Speed control is only available for 115 volt single phase. Exhauster performance can be controlled from the ventilated area.

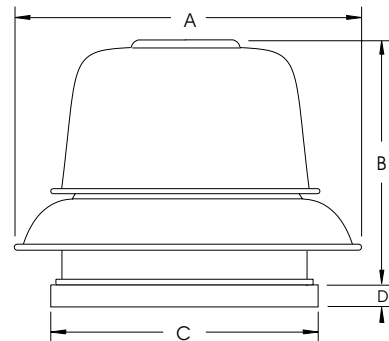
AMCA SEAL



Soler & Palau, USA, certifies that the Models RED shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705



MODEL RED					Downblast Direct Drive Centrifugal Roof Exhauster									Ventilator with Open Drip-proof Motor	
Model RED	Motor Hp	Max. BHP	RPM	Sones @ 1/8 SP	CFM at Static Pressure									115/1/60	208-230/1/60
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	Stock No.	Stock No.
6	1/10	0.05	1650	8.0	390	347	295	232	134	-	-	-	-	RED06JHIAS	RED06JHICS
8	1/25	0.04	1050	4.5	573	468	326	-	-	-	-	-	-	RED08HMIAS	N/A
	1/10	0.12	1550	9.5	845	781	705	622	523	398	251	-	-	RED08JHIAS	RED08JHICS
10	1/4	0.27	1600	12.4	1436	1348	1256	1155	1041	910	766	604	412	RED10MHIAS	RED10MHICS
12	1/4	0.15	1150	8.9	1545	1356	1144	952	769	558	-	-	-	RED12MMIAS	RED12MMICS
	1/2	0.52	1750	18.3	2352	2226	2104	1973	1832	1689	1562	1443	1324	RED12QHIAS	RED12QHICS
15	1/2	0.46	1150	13.7	3003	2779	2540	2285	2038	1774	1480	1180	840	RED15QMIAS	RED15QMICS

Speed (RPM) shown is normal. Performance is based on actual speed of test.
 Performance certified is for installation type A-free inlet, free outlet.
 Performance ratings include the effects of birdscreen in the airstream.

The sound ratings shown are the loudness values in the fan sones @ 5' (1.5m) in an hemispherical free field calculated per AMCA Standard 301.
 Values shown are for Installation Type A-Free inlet fan sone levels.

Performance Data at Reduced Speed														
Model RED	Motor HP	Max. BHP	RPM	Sones @ 1/8 SP	CFM at Static Pressure									
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	
6-1550	1/10	0.02	950	2.4	224	133	-	-	-	-	-	-	-	-
		0.02	1100	3.5	260	187	-	-	-	-	-	-	-	-
		0.03	1250	4.6	295	234	146	-	-	-	-	-	-	-
		0.04	1450	6.2	343	293	229	131	-	-	-	-	-	-
8-1050	1/25	0.02	750	1.8	409	238	-	-	-	-	-	-	-	
8-1550	1/10	0.05	1150	5.5	627	535	417	249	-	-	-	-	-	
		0.10	1450	8.4	791	721	638	545	425	276	-	-	-	
10-1625	1/4	0.06	900	4.2	808	640	403	-	-	-	-	-	-	
		0.09	1100	6.3	987	856	696	489	-	-	-	-	-	
		0.15	1300	8.5	1167	1058	936	790	615	405	-	-	-	
		0.22	1500	11.0	1346	1253	1152	1042	910	762	594	393	-	
12-1075	1/4	0.08	900	5.8	1209	959	708	456	-	-	-	-	-	
		0.12	1050	7.6	1411	1202	970	771	553	-	-	-	-	
12-1625	1/2	0.17	1200	9.6	1613	1432	1231	1040	866	678	442	-	-	
		0.24	1350	11.8	1814	1653	1484	1299	1139	984	821	633	376	
		0.36	1550	14.9	2083	1942	1801	1645	1484	1344	1210	1073	929	
15-1140	1/2	0.14	750	6.3	1958	1599	1212	759	-	-	-	-	-	
		0.19	850	7.9	2219	1907	1567	1203	795	-	-	-	-	
		0.27	950	9.7	2481	2202	1902	1602	1256	887	-	-	-	
		0.36	1050	11.5	2742	2493	2228	1950	1672	1352	1019	621	-	

Model in reduced speed table indicates size and motor RPM of base unit.
 Performance is for that base unit operated at a reduced speed using the solid state speed control accessory.

AMCA Seal for sound rating does not apply to units with speed control.

Use 5 AMP Speed Control for motors 1/3 HP and smaller.
 Use 10 AMP Speed Control for motors 1/2.



MODEL TXD-UL762 (Sizes 10-15 only)

UPBLAST DIRECT DRIVE CENTRIFUGAL ROOF/SIDEWALL EXHAUSTER FOR RESTAURANT AND GENERAL APPLICATIONS



APPLICATION

Isolation of the motor from the air stream and the high velocity vertical (roof) or horizontal (wall) air discharge make the Model TXD ideally suited for the removal of dirty, contaminated and/or high temperature air from processes and buildings. Typical applications include restaurant hoods and similar kitchen exhaust ventilation, fume and smoke removal, laboratory fume hood exhaust and chemical process exhaust.

The nonoverloading wheel with its higher static pressure capability makes this unit suitable for either ducted or nonducted applications. Its roof or wall mounting permits location near the area to be ventilated, allowing short duct runs and more efficient operation. Direct drive units use smaller diameter wheels, resulting in low sound levels and quiet operation. They have no belts or fan bearings to maintain or adjust and consequently require very little maintenance.

CONSTRUCTION

Housing

- Heavy-gauge aluminum housing and curb cap for strength and rigidity.
- Stainless steel exterior fasteners.
- Enclosed, ventilated motor compartment isolates motor from exhaust air.
- Neoprene isolators for reduction of vibration and sound.
- The motor compartment housing easily removes for complete maintenance access.
- Water-tight conduit tube for easy electrical connection without having to wire through the breather tube.
- Mounted disconnect is included on standard models.

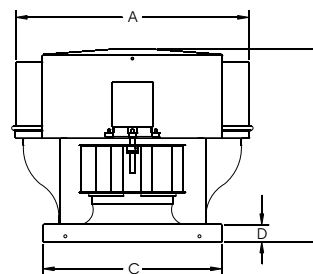
Centrifugal Wheel

- Nonoverloading backward inclined for safe operation in ducted systems.
- Wheels constructed of noncorrosive aluminum.
- Statically and dynamically balanced for smooth operation.

DIMENSIONAL DATA

MODEL TXD	A	B	C	D	ROOF OPENING	Average Ship Wt. Lbs.
6	24 1/2	19 3/4	16 1/2	2	12	70
8	24 1/2	19 3/4	16 1/2	2	12	70
10	27 3/4	22 1/4	16 1/2	2	12	73
12	33	23	24	2	19 1/4	115
14	33	23	24	2	19 1/4	120
15	33	23	24	2	19 1/4	120

***You can not use a damper in a grease application**



***Sizes 6-8 are not suitable for Restaurant applications**

MODEL TXD	RECOMMENDED 14" HIGH CLIPLOCK MOUNTING CURB		RECOMMENDED GRAVITY DAMPER		115 VOLT SPEED CONTROL	
	OD	STOCK NO.	OD	STOCK NO.	STOCK NO.	STOCK NO.
6	15	611214C	11	411011	2727.1	N/A
8	15	611214C	11	411011	2727.1	N/A

MODEL TXD	RECOMMENDED 14" HIGH MOUNTING CURB		18" HIGH MOUNTING CURB	RECOMMENDED GRAVITY DAMPER		115 VOLT SPEED CONTROL	
	OD	STOCK NO.	STOCK NO.	OD	STOCK NO.	STOCK NO.	STOCK NO.
10	15	611214C	621815V	11	411011	2727.1	N/A
12	22 1/4	611222C	621823V	18	411018	2727.1	2828.1
14	22 1/4	611222C	621823V	18	411018	2727.1	N/A
15	22 1/4	611222C	621823V	18	411018	N/A	2828.1

SPEED CONTROL 2727.1 MAX 1/3 HP-5 AMP 120V
2828.1 MAX 1/2 HP-10 AMP 120V

Speed Controllable Motors

- Standard motors are single speed, speed controllable and drip-proof.
- All motors are rated for continuous duty.
- Disconnect is standard with single speed drip-proof motors.
- Motors ship mounted as standard.

ACCESSORIES

Solid State Speed Control:

Control is matched to the motor and blower wheel to allow continuous reduction in performance allowing adjustments of airflow for system balancing. CFM is reduced in direct proportion to motor speed reduction. Speed control is only available for 115 volt single phase. Exhauster performance can be controlled from the ventilated area.

AMCA SEAL



Soler & Palau USA, certifies that the Models TXD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
 UL STANDARD 705 sizes 6-8
 UL STANDARD 762 sizes 10-15 **ONLY**

MODEL TXD

Upblast Direct Drive Centrifugal Roof/Sidewall Exhauster

Ventilator with Open
Drip-proof Motor

Model TXD	Motor Hp	Max. BHp	RPM	Sones @ 1/8 SP	CFM at Static Pressure									115/1/60	208-230/1/60
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	Stock No.	Stock No.
6	1/10	0.09	1795	7.7	410	370	328	276	203	-	-	-	-	TXD06JHIAS	TXD06JHICS
8	1/4	0.07	1130	6.2	886	783	644	441	-	-	-	-	-	TXD08MMIAS	TXD08MMICS
	1/4	0.24	1740	13.8	1364	1300	1232	1158	1072	960	851	698	510	TXD08MHAS	TXD08MHICS
10	1/4	0.27	1650	14.7	1527	1460	1398	1325	1236	1129	1011	883	747	TXD10MHAS	TXD10MHICS
12	1/4	0.16	1140	9.6	1616	1487	1338	1161	983	760	462	-	-	TXD12MMIAS	TXD12MMICS
	1/2	0.55	1730	21.0	2453	2364	2281	2196	2097	1985	1867	1751	1638	TXD12QHAS	TXD12QHICS
14	1/4	0.25	1130	10.4	2060	1939	1798	1638	1439	1177	856	-	-	TXD14MMIAS	TXD14MMICS
15	1/2	0.41	1155	13.2	2786	2653	2491	2313	2104	1863	1623	1362	969	TXD15QMIAS	TXD15QMICS

Speed (RPM) shown is normal. Performance is based on actual speed of test.
Performance certified is for installation type A-free inlet, free outlet.
Performance ratings include the effects of birdscreen in the airstream.

The sound ratings shown are the loudness values in the fan sones @ 5' (1.5m) in an hemispherical free field calculated per AMCA Standard 301.
Values shown are for Installation Type A-Free inlet fan sone levels.

Performance Data at Reduced Speed

Model TXD	Motor Hp	Max. BHp	RPM	Sones @ 1/8 SP	CFM at Static Pressure									
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	
6-1550	1/10	0.02	1150	2.4	253	185	-	-	-	-	-	-	-	-
		0.05	1470	5.1	335	286	227	115	-	-	-	-	-	-
8-1075	1/4	0.01	680	1.2	533	302	-	-	-	-	-	-	-	-
		0.03	860	3.2	674	525	-	-	-	-	-	-	-	-
		0.05	1040	5.2	815	701	536	-	-	-	-	-	-	-
8-1625	1/4	0.10	1405	9.3	1101	1021	930	814	673	468	-	-	-	
10-1625	1/4	0.10	1185	7.8	1097	1007	896	742	561	318	-	-	-	
		0.20	1500	12.3	1388	1316	1245	1155	1043	914	771	615	407	
12-1075	1/4	0.03	680	3.3	964	712	352	-	-	-	-	-	-	
		0.08	905	6.5	1283	1116	897	649	-	-	-	-	-	
12-1625	1/2	0.17	1175	10.2	1666	1540	1399	1228	1060	855	599	-	-	
		0.32	1445	14.9	2049	1945	1844	1724	1586	1446	1310	1152	969	
14-1075	1/4	0.05	680	3.6	1240	1011	609	-	-	-	-	-	-	
		0.13	905	6.8	1650	1491	1294	1020	617	-	-	-	-	
15-1140	1/2	0.05	570	3.1	1375	1027	422	-	-	-	-	-	-	
		0.18	885	8.2	2135	1948	1710	1406	1087	-	-	-	-	

Model in reduced speed table indicates size and motor RPM of base unit.
Performance is for that base unit operated at a reduced speed using the solid state speed control accessory.

AMCA Seal for sound rating does not apply to units with speed control.

Use 5 AMP Speed Control for motors 1/3 HP and smaller.
Use 10 AMP Speed Control for motors 1/2.

CENTRIFUGAL ROOF & WALL EXHAUSTERS



MODEL TXB-UL762

UPBLAST BELT DRIVE

CENTRIFUGAL ROOF EXHAUSTER

FOR RESTAURANT AND GENERAL EXHAUST



APPLICATION

Isolation of motor and drive components from the air stream and the high velocity vertical air discharge make the model TXB-UL762 ideally suited for the removal of dirty, contaminated and/or high temperature air from processes and buildings. Typical applications include restaurant hoods and similar kitchen exhaust ventilation, fume and smoke removal, laboratory fume hood exhaust and chemical process exhaust.

For grease removal applications the fan must be installed per NFPA 96 and with a 40" discharge height and hinged access base.

CONSTRUCTION

Housing

- Heavy-gauge aluminum housing and prepunched galvanized steel curb cap.
- Enclosed, ventilated motor/drive compartment isolates motor and drives from exhaust air.
- The motor compartment housing easily removes for complete maintenance access.
- Water-tight conduit tube for easy electrical connection without having to wire through the breather tube.
- External weather proof disconnect is included on standard models.

Centrifugal Wheel

- Nonoverloading backward inclined for safe operation in ducted systems.
- Heavy aluminum hub for extra strength.
- Statically and dynamically balanced for smooth, quiet operation.

DIMENSIONAL DATA

MODEL TXB	A	B	C	D	E	ROOF OPENING	Average Ship Wt. Lbs.
8	16 1/2	24	24	27	1 3/4	11 3/4	69
10	16 1/2	27	26	29	1 3/4	11 3/4	69
12/15	24	31 1/2	26	28 3/4	2 1/2	19 1/4	93
16	24	31 1/2	26	28 3/4	2 1/2	19 1/4	93
18/20	29 1/2	37 3/4	28 1/2	31 3/4	2 1/2	24 3/4	120
24	35 1/2	47 1/4	31 1/2	41	2 1/2	30 3/4	245
30	42 1/2	56 3/4	42 1/2	44	2 1/2	37 3/4	365
36	42 1/2	66	47 1/2	46	2 1/2	37 3/4	365
42	55	72 1/2	49 1/4	51 1/2	2 1/2	50 1/4	385
48	55	78 3/4	53	55	2 1/2	50 1/4	490

Motors

- Single speed drip-proof motors are provided on standard models.
- All motors are rated for continuous duty.
- Disconnect switch is standard with single speed drip-proof motor.

Drives

- Sized for minimum 150% of drive horse power.
- Machined cast iron adjustable motor pulleys.
- Adjustable base for belt tensioning.
- Static resistant v-belt.

Bearings

- Heavy-duty cast pillow block ball bearing type.
- Prelubricated with zerk fitting.
- Designed for 200,000 hour average life.

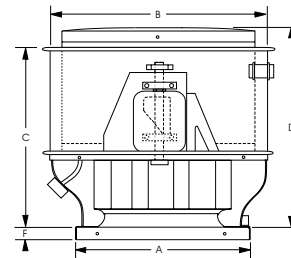
AMCA SEAL



Soler & Palau USA, certifies that the Models TXB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705
UL STANDARD 762



MODEL TXB	RECOMMENDED 14" HIGH CLIPLOCK MOUNTING CURB (1)		18" HIGH MOUNTING CURB	RECOMMENDED DAMPER		FAN LESS MOTOR & DRIVE
	OD	STOCK NO.	STOCK NO.	OD	STOCK NO.	STOCK NO.
8	15	611214C	621815 V	11	411011	TXB08RHULLMDS
10	15	611214C	621815 V	11	411011	TXB10RHULLMDS
12/15	22 1/2	611222C	621823 V	18	411018	TXB12RHULLMDS/TXB15RHULLMDS
16	22 1/2	611222C	621823 V	18	411018	TXB16RHULLMDS
18/20	27 3/4	611227C	621828 V	24	411024	TXB18RHULLMDS/TXB20RHULLMDS
24	33 3/4	611233C	621834 V	30	411030	TXB24RHULLMDS
30	40 3/4	611240C	621841 V	36	611036	TXB30RHULLMDS (3)
36	40 3/4	611240C	621841 V	36	611036	TXB36RHULLMDS (3)
42	53 1/4	611253C	621854 V	48	611048	TXB42RHULLMDS (3)
48	53 1/4	611253C	621854 V	48	611048	TXB48RHULLMDS (3)

1 - RESTAURANT CURBS MUST BE 18" HIGH MINIMUM PER NFPA-96.

2 - DO NOT USE DAMPER FOR FANS IN GREASE REMOVAL APPLICATIONS PER NFPA 96.

3 - MAXIMUM 3 HP MOTOR - CONTACT FACTORY FOR 5 HP CONSTRUCTION.

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER.

DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL TXB-UL762					Upblast Belt Drive Centrifugal Restaurant Roof Exhauster								Ventilator with Open Drip-proof Motor and Drive Assembly	
Model TXB	Motor Hp	Max. BHP	RPM	Sones @ 1/4 SP	CFM at Static Pressure								115/11/60*	208-230/460/3/60
					0	1/4	3/8	1/2	5/8	3/4	1	1 1/4	Stock No.	Stock No.
8	1/4	0.10	1520	9.8	818	681	628	526	384	-	-	-	TXB08RHULMLIS	N/A
	1/4	0.22	1995	15.9	1074	955	912	875	834	766	583	-	TXB08RHULMHIS	N/A
	1/3	0.33	2270	19.9	1222	1111	1070	1034	1001	969	858	697	TXB08RHULPHIS	N/A
10	1/4	0.24	1365	6.8	1339	1146	1033	903	750	558	-	-	TXB10RHULMHIS	TXB10RHULMH3S
	1/3	0.34	1530	11.8	1501	1334	1238	1133	1015	881	530	-	TXB10RHULPHIS	TXB10RHULPH3S
	1/2	0.52	1765	19.0	1731	1589	1511	1428	1338	1240	1015	727	TXB10RHULQHIS	TXB10RHULQH3S
12	1/4	0.24	1365	4.8	1507	1353	1281	1201	1107	996	703	-	TXB12RHULMHIS	TXB12RHULMH3S
	1/3	0.35	1645	5.8	1652	1509	1446	1378	1302	1215	-	-	TXB12RHULPHIS	TXB12RHULPH3S
	1/2	0.54	1890	7.7	1898	1769	1715	1659	1600	1537	1390	1211	TXB12RHULQHIS	TXB12RHULQH3S
15	1/4	0.25	995	9.5	2208	1899	1747	1553	1286	-	-	-	TXB15RHULMHIS	TXB15RHULMH3S
	1/3	0.33	1095	11.3	2430	2146	2015	1864	1677	1431	-	-	TXB15RHULPHIS	TXB15RHULPH3S
	1/2	0.50	1255	14.5	2785	2541	2416	2302	2172	2021	1609	-	TXB15RHULQHIS	TXB15RHULQH3S
	3/4	0.75	1435	18.3	3184	2972	2862	2755	2656	2548	2288	1941	TXB15RHULRHIS	TXB15RHULRH3S
	1	1.02	1590	22	3528	3334	3241	3139	3044	2955	2755	2511	TXB15RHULSHIS	TXB15RHULSH3S
16	1/2	0.51	1000	15.5	3270	2986	2820	2628	2414	2161	1105	-	TXB16RHULQHIS	TXB16RHULQH3S
	3/4	0.71	1110	19.0	3629	3367	3249	3073	2906	2716	2243	-	TXB16RHULRHIS	TXB16RHULRH3S
	1	0.98	1235	23	4038	3794	3693	3574	3410	3261	2902	-	TXB16RHULSHIS	TXB16RHULSH3S
18	1/2	0.50	940	12.5	3382	3058	2886	2696	2488	2243	-	-	TXB18RHULQHIS	TXB18RHULQH3S
	3/4	0.74	1075	16.0	3868	3584	3442	3288	3123	2950	2786	2816	TXB18RHULRHIS	TXB18RHULRH3S
	1	1.04	1200	19.4	4318	4063	3937	3808	3668	3521	3201	3621	TXB18RHULSHIS	TXB18RHULSH3S
	1 1/2	1.49	1350	24	4857	4630	4518	4406	4291	4169	3906	-	TXB18RHULTHIS	TXB18RHULTH3S
20	1/2	0.54	775	12.5	4152	3666	3392	3054	2554	1910	-	-	TXB20RHULQHIS	TXB20RHULQH3S
	3/4	0.77	875	15.7	4688	4264	4034	3784	3482	3067	1902	2072	TXB20RHULRHIS	TXB20RHULRH3S
	1	1.07	975	19.1	5224	4848	4646	4436	4208	3944	3175	3808	TXB20RHULSHIS	TXB20RHULSH3S
	1 1/2	1.60	1115	24	5974	5649	5477	5300	5116	4923	4470	-	TXB20RHULTHIS	TXB20RHULTH3S
24	1/3	0.33	495	8.0	4555	3731	3018	-	-	-	-	-	TXB24RHULPHIS	TXB24RHULPH3S
	1/2	0.50	565	10.3	5199	4519	4063	3346	-	-	-	-	TXB24RHULQHIS	TXB24RHULQH3S
	3/4	0.75	650	13.6	5981	5413	5072	4661	4099	2979	-	-	TXB24RHULRHIS	TXB24RHULRH3S
	1	1.03	720	16.6	6626	6123	5835	5509	5124	4623	-	2245	TXB24RHULSHIS	TXB24RHULSH3S
	1 1/2	1.51	820	22	7546	7113	6874	6616	6332	6010	5146	5433	TXB24RHULTHIS	TXB24RHULTH3S
	2	2.00	900	26	8282	7892	7681	7457	7216	6956	6339	-	TXB24RHULVHIS	TXB24RHULVH3S
30	1/2	0.50	405	7.5	6240	5466	4315	-	-	-	-	-	TXB30RHULQHIS	TXB30RHULQH3S
	3/4	0.76	465	9.6	7356	6730	5973	4894	-	-	-	-	TXB30RHULRHIS	TXB30RHULRH3S
	1	1.00	510	11.5	8176	7622	7003	6221	5125	-	-	-	TXB30RHULSHIS	TXB30RHULSH3S
	1 1/2	1.51	585	14.8	9525	9055	8555	8001	7334	6495	-	-	TXB30RHULTHIS	TXB30RHULTH3S
	2	2.07	650	17.7	10680	10263	9827	9364	8855	8262	6658	7730	TXB30RHULVHIS	TXB30RHULVH3S
	3	3.00	735	22	12177	11812	11437	11047	10637	10199	9152	11522	N/A	TXB30RHULWH3S
	5	5.05	875	28	14623	14319	14011	13696	13373	13040	12332	-	N/A	TXB30RHULXH3S
36	3/4	0.75	355	7.7	10252	8369	6717	-	-	-	-	-	TXB36RHULRHIS	TXB36RHULRH3S
	1	1.03	395	9.4	11407	9844	8611	6793	-	-	-	-	TXB36RHULSHIS	TXB36RHULSH3S
	1 1/2	1.53	450	12.0	12996	11710	10832	9685	8075	6094	-	-	TXB36RHULTHIS	TXB36RHULTH3S
	2	2.04	495	14.2	14295	13165	12449	11560	10483	8988	-	-	TXB36RHULVHIS	TXB36RHULVH3S
	3	3.03	565	17.7	16317	15361	14795	14146	13377	12455	9936	13471	N/A	TXB36RHULWH3S
	5	5.05	670	24	19349	18568	18131	17654	17131	16548	15128	-	N/A	TXBRHULXH3S
42	1 1/2	1.49	330	13.1	17005	14449	12322	9513	-	-	-	-	TXB42RHULTHIS	TXB42RHULTH3S
	2	2.01	365	15.1	18809	16553	15207	12488	10337	6123	-	-	TXB42RHULVHIS	TXB42RHULVH3S
	3	2.86	410	17.7	21128	19154	18055	16774	14170	12073	-	-	N/A	TXB42RHULWH3S
	5	5.04	495	23	25508	23901	23052	22152	21173	19975	15519	-	N/A	TXB42RHULXH3S
48	2	2.04	300	8.8	20670	17694	15399	11849	-	-	-	-	TXB48RHULVHIS	TXB48RHULVH3S
	3	2.98	340	11.0	23426	20771	19458	17054	14121	9830	-	-	N/A	TXB48RHULWH3S
	5	5.05	405	15.5	27904	25598	24574	23485	21877	19631	13520	-	N/A	TXB48RHULXH3S

Power ratings (BHP) do not include transmission losses.

Performance certified is for installation type A-free inlet, free outlet. Performance ratings include the effects of birdscreen in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301.

Values shown are for installation Type A-Free inlet fan sone levels.

***Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery.**

575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.



MODEL CWD

DIRECT DRIVE CENTRIFUGAL SIDEWALL EXHAUSTER



APPLICATION

Models CWD are used to exhaust relatively clean air from a variety of industrial, commercial and institutional buildings such as machinery and equipment rooms, storage areas, office buildings, restaurants, retail stores, schools and similar buildings.

The nonoverloading centrifugal wheel with its high static pressure capability, makes it suitable for either ducted or nonducted applications.

The spun aluminum exterior provides a pleasing appearance, weather proof construction and resistance to corrosion. The low silhouette design is less noticeable on the building exterior and the removable dome provides easy access to the fan interior for service and cleaning.

Direct drive units use smaller diameter wheels, resulting in low sound levels and quiet operation. They have no belts or fan bearings to maintain or adjust and consequently require very little maintenance.

CONSTRUCTION

Housing

- Spun aluminum dome for weather protection and attractive appearance.
- Ventilated motor compartment with motor out of air stream for long trouble-free service.
- Dome easily removes for access to motor compartment.
- Weather-tight construction with aluminum birdscreen.
- Round duct connection provided at wheel inlet.

Centrifugal Wheel

- Nonoverloading backward inclined for safe operation in ducted systems.
- Statically and dynamically balanced for smooth, quiet operation.

Motors

- Speed controllable motors available on most models.
- Single speed open drip-proof are standard.
- Plug disconnect switch standard with single speed drip-proof motors.

DIMENSIONAL DATA

MODEL CWD	A	B	C	D	E	G	Average Ship Wt. Lbs.
7	15	8	5 5/16	1 1/2	8	8	15
8	20	9	9 15/16	2	12	11	25
9	26	13 1/2	11 15/16	3	15	14	37
10	26	13 1/2	11 15/16	3	15	14	37
12	30	15 1/2	13 15/16	3	17 1/2	14	50
14	36	16 1/2	17 15/16	4	22	18	84

MODEL CWD	RECOMMENDED GRAVITY DAMPER		115 VOLT SPEED CONTROL	230 VOLT SPEED CONTROL
	OD	STOCK NO.	STOCK NO.	STOCK NO.
7	8 x 8	411008	2727.1	N/A
8	11 x 11	411011	2727.1	N/A
9	14 x 14	411014	2727.1	3232.1
10	14 x 14	411014	2727.1	3232.1
12	14 x 14	411014	2727.1	3232.1
14	18 x 18	411018	2828.1	3232.1

SPEED CONTROL 2727.1 MAX 1/3 HP-5 AMP 120V
2828.1 MAX 1/2 HP-10 AMP 120V

ACCESSORIES

Solid State Speed Control:

Control is matched to the motor and blower wheel to allow continuous reduction in performance allowing adjustments of airflow for system balancing. CFM is reduced in direct proportion to motor speed reduction. Speed control is only available for 115 volt single phase. Exhauster performance can be controlled from the ventilated area.

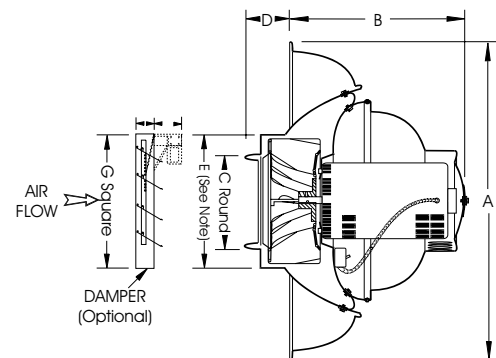
AMCA SEAL



Soler & Palau USA, certifies that the Models CWD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
 UL STANDARD 705



ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS.

DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL CWD					Direct Drive Centrifugal Sidewall Exhauster										Ventilator with Open Drip-proof Motor	
Model CWD	Motor Hp	Max. BHp	RPM	Sones @ 1/8 SP	CFM at Static Pressure										115/1/60	208-230/1/60
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	Stock No.	Stock No.	
7	1/25	0.04	1550	5.9	254	220	179	127	66	-	-	-	-	-	CWD07HHIAS	N/A
8	1/15	0.07	1550	11.4	524	463	390	320	249	186	132	-	-	-	CWD08HHIAS	N/A
9	1/4	0.12	1140	6.4	898	755	564	390	221	-	-	-	-	-	CWD09MMIAS	CWD09MMICS
	1/4	0.26	1550	11.4	1221	1126	1009	894	771	645	545	-	-	-	CWD09MHIAS	CWD09MHICS
10	1/3	0.33	1575	15.4	1453	1355	1252	1118	921	785	663	548	433	-	CWD10PHIAS	CWD10PHICS
12	1/4	0.26	1100	10.6	1583	1393	1195	995	813	618	410	193	-	-	CWD12MMIAS	CWD12MMICS
14	1/2	0.50	1080	15.7	2585	2454	2281	2040	1722	1433	1170	906	670	-	CWD14QMIAS	CWD14QMICS

Speed (RPM) shown is normal. Performance is based on actual speed of test.
 Performance certified is for installation type A-free inlet, free outlet.
 Performance ratings include the effects of birdscreen in the airstream.

The sound ratings shown are the loudness values in the fan sones @ 5' (1.5m) in an hemispherical free field calculated per AMCA Standard 301.
 Values shown are for Installation Type A-Free inlet fan sone levels.

Performance Data at Reduced Speed														
Model CWD	Motor Hp	Max. BHp	RPM	Sones @ 1/8 SP	CFM at Static Pressure									
					0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	
7-1550	1/25	0.02	930	1.5	152	84	-	-	-	-	-	-	-	-
		0.02	1230	3.4	202	156	93	-	-	-	-	-	-	-
8-1550	1/15	0.02	930	3.5	320	209	98	-	-	-	-	-	-	-
		0.05	1225	6.4	421	339	251	167	-	-	-	-	-	-
9-1075	1/4	0.03	685	1.9	540	258	-	-	-	-	-	-	-	-
		0.08	940	4.3	741	554	330	-	-	-	-	-	-	-
9-1625	1/4	0.09	1030	5.6	811	651	467	313	-	-	-	-	-	
10-1625	1/3	0.10	1030	7.2	950	794	540	357	173	-	-	-	-	
12-1075	1/4	0.07	685	3.6	986	670	365	-	-	-	-	-	-	
		0.15	900	7.0	1296	1058	816	589	340	-	-	-	-	
14-1140	1/2	0.14	685	6.7	1640	1382	913	498	-	-	-	-	-	
		0.30	900	11.0	2154	1987	1730	1346	1028	711	390	-	-	

Model in reduced speed table indicates size and motor RPM of base unit.
 Performance is for that base unit operated at a reduced speed using the solid state speed control accessory.

AMCA Seal for sound rating does not apply to units with speed control.

Use 5 AMP Speed Control for motors 1/3 HP and smaller.
 Use 10 AMP Speed Control for motors 1/2.



MODEL KSF BELT DRIVE CENTRIFUGAL FILTERED ROOF SUPPLY FAN

CENTRIFUGAL FILTERED SUPPLY

APPLICATION

Models KSF fans are primarily used for filtered make-up air in kitchen hood applications but may also be specified for make-up air in commercial and industrial applications such as manufacturing and assembly areas.

Model KSF's rugged design with heavy-gauge galvanized construction provides maximum weather protection, long life and the utmost in performance efficiency. The forward curved centrifugal blower provides efficient air flow at low sound levels.

Filters are washable and are reusable to reduce maintenance costs. Quick release hood latches make routine cleaning and maintenance fast and easy.

CONSTRUCTION

Blower

- Statically and dynamically balanced forward curved wheel.
- Prepunched mounting holes.
- Conduit opening for wiring from below unit.
- Disconnect switch is standard equipment.

Hood

- Heavy-gauge galvanized steel.
- Quick-release latches for removal from housing.
- Insulated for sound absorption and moisture barrier.
- 1 inch washable aluminum mesh filters.

Drives

- Machined cast iron adjustable motor pulleys standard through 3 HP.
- Pivoting motor plate for belt tensioning.
- Static resistant v-belts.

Bearings

- Heavy-duty ball bearing type.
- Prelubricated and permanently sealed.

Motors

- Open drip-proof construction is standard.
- Optional motor enclosures and types can be specified.



AMCA SEAL



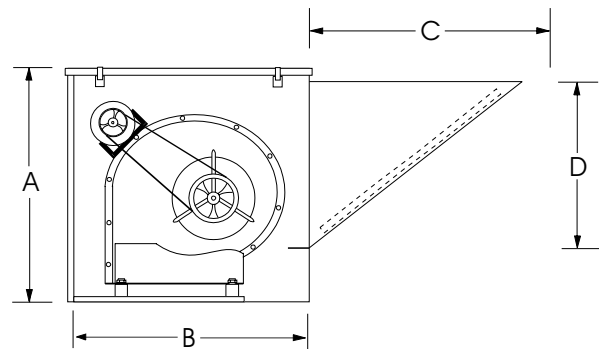
Soler & Palau USA, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705

DIMENSIONAL DATA

MODEL KSF	A	B	C	D	ROOF OPENING	Average Ship Wt. Lbs.
9	23 1/4	24 1/2	17 1/2	18	19 1/2	215
10	27 1/4	28 1/4	21	21	23 1/2	245
12	32 1/2	32 1/2	26 3/8	26 3/8	28	255
15	37 1/4	32 1/2	31 1/2	31 1/2	28	310
18	41 1/4	36 1/2	35 1/2	35 1/2	32	350
20	49 1/4	51	37 1/2	37 1/2	46 1/2	650



MODEL KSF	RECOMMENDED 12" HIGH MOUNTING CURB		RECOMMENDED GRAVITY DAMPER		FAN LESS MOTOR & DRIVE
	OD	STOCK NO.	OD	STOCK NO.	STOCK NO.
9	22 1/2	2302.12.9CSF	16	S3GA16CB	KSF09LMDS
10	26 1/2	2302.12.10CSF	20	S3GA20GB	KSF10LMDS
12	31	2302.12.15CSF	24	S3GA24CB	KSF12LMDS
15	31	2302.12.15CSF	24	S3GA24CB	KSF15LMDS
18	35	2302.12.18CSF	27	S3GA27CB	KSF18LMDS
20	49 1/2	2302.12.20CSF	42	S3GA24CB	KSF20LMDS

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL KSF

Belt-Drive Centrifugal Filtered Roof Supply Fan

Model KSF	Motor Hp	Max. BHP	Single Phase 115/208/230	Three Phase 208/230/460	CFM	Outlet Velocity FPM	RPM at Static Pressure (See Note X)									
			STOCK NO.	STOCK NO.			1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	
9	1/4	0.24	KSF09ML1S (437-600 RPM) KSF09MH1S (600-912 RPM)	KSF09ML3S (437-600 RPM) KSF09MH3S (600-912 RPM)	375	458	437	-	-	-	-	-	-	-	-	-
					475	580	453	-	-	-	-	-	-	-	-	-
					575	702	482	623	-	-	-	-	-	-	-	-
					675	825	519	642	-	-	-	-	-	-	-	-
					775	947	558	669	775	-	-	-	-	-	-	-
					875	1069	598	704	798	-	-	-	-	-	-	-
					975	1191	642	742	828	912	995	-	-	-	-	-
					1075	1313	689	780	864	940	1016	1092	-	-	-	-
					1175	1435	738	820	901	973	1043	1113	1250	-	-	-
					1275	1558	789	862	939	1010	1075	1139	1267	-	-	-
	1/3	0.33	KSF09PH1S	KSF09PH3S	1375	1680	839	906	979	1047	1110	1170	1289	1407	-	
	1/2	0.50	KSF09QH1S	KSF09QH3S	1475	1802	891	953	1020	1086	1147	1205	1316	1427	1536	
					1575	1924	943	1002	1062	1126	1185	1242	1347	1451	-	
					1675	2046	995	1051	1106	1166	1224	1279	1381	1479	-	
	3/4	0.75	KSF09RH1S	KSF09RH3S	1775	2168	1048	1101	1152	1207	1264	1318	1417	-	-	
					1875	2290	1100	1152	1200	1250	1304	1357	-	-	-	
	1	1.00	KSF09SH1S	KSF09SH3S	1975	2413	1153	1203	1249	1296	-	-	-	-	-	
2075					2535	1206	1254	-	-	-	-	-	-	-		
10	1/4	0.24	KSF10MH1S	KSF10MH3S	1050	1011	509	610	696	-	-	-	-	-	-	
					1150	1108	537	633	717	-	-	-	-	-	-	
					1250	1204	565	658	739	811	-	-	-	-	-	
					1350	1300	595	684	762	832	897	-	-	-	-	
					1450	1397	626	711	785	855	918	977	-	-	-	
					1550	1493	657	738	810	877	939	997	-	-	-	
	1/3	0.33	KSF10PH1S	KSF10PH3S	1650	1589	689	766	836	901	962	1019	1124	-	-	
					1750	1686	721	794	863	926	985	1041	1143	-	-	
	1/2	0.50	KSF10QH1S	KSF10QH3S	1850	1782	753	824	891	954	1009	1063	1164	1257	-	
					1950	1878	786	854	918	978	1033	1087	1186	1277	1364	
					2050	1975	819	885	946	1005	1059	1111	1208	1298	1382	
	3/4	0.75	KSF10RH1S	KSF10RH3S	2150	2071	852	916	975	1032	1085	1135	1231	1319	1402	
					2250	2167	886	948	1004	1060	1112	1161	1254	1342	1422	
					2350	2264	921	980	1034	1088	1139	1187	1278	1364	-	
	1	1.00	KSF10SH1S	KSF10SH3S	2450	2360	955	1012	1065	1116	1167	1214	1303	-	-	
					2550	2456	990	1044	1096	1145	1194	1241	-	-	-	
	1 1/2	1.49	KSF10TH1S	KSF10TH3S	2650	2552	1025	1076	1128	1175	1222	-	-	-	-	
2750					2649	1060	1109	1159	1205	-	-	-	-	-		
2850					2745	1096	1142	1191	-	-	-	-	-	-		
2950					2841	1131	1175	-	-	-	-	-	-	-		
12	1/4	0.25	KSF12MH1S	KSF12MH3S	1150	806	376	474	-	-	-	-	-	-		
					1350	947	407	495	577	-	-	-	-	-		
					1600	1122	449	528	600	668	-	-	-	-		
					1800	1262	483	558	625	688	748	-	-	-		
					2000	1402	521	591	653	712	768	822	-	-		
	1/3	0.32	KSF12PH1S	KSF12PH3S	2200	1543	559	624	683	738	791	842	-	-		
	1/2	0.50	KSF12QH1S	KSF12QH3S	2400	1683	598	658	715	767	817	866	957	-	-	
					2600	1823	637	693	749	798	845	892	979	1062	-	
	3/4	0.76	KSF12RH1S	KSF12RH3S	2700	1893	657	712	765	814	860	905	991	1072	1154	
					2800	1963	677	731	782	831	876	919	1003	1082	1160	
					2900	2033	697	750	799	847	891	934	1016	1094	1169	
					3000	2103	717	769	816	864	907	949	1029	1105	1179	
	1	1.03	KSF12SH1S	KSF12SH3S	3100	2174	737	789	834	881	924	964	1043	1118	1189	
					3200	2244	758	808	852	897	940	980	1057	1131	1201	
					3400	2384	799	847	890	931	974	1013	1086	1157	-	
	1 1/2	1.52	KSF12TH1S	KSF12TH3S	3600	2524	840	886	928	967	1007	1046	1117	-	-	
					3800	2664	882	926	966	1003	1041	1079	-	-	-	
2	2.00	N/A	KSF12V3S	4000	2805	924	965	1006	1047	-	-	-	-	-		
				4200	2945	966	1005	-	-	-	-	-	-	-		

Power ratings (BHP) do not include transmission losses. Performance certified is for installation type B-free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

Table shows fan RPM needed for required CFM and SP. Shaded/Non-shaded area shows motor HP and stock number to order.

MODEL KSF *Belt-Drive Centrifugal Filtered Roof Supply Fan*

Model KSF	Motor Hp	Max. BHP	Single Phase 115/208/230	Three Phase 208/230/460	CFM	Outlet Velocity FPM	RPM at Static Pressure									
			STOCK NO.	STOCK NO.			1/8	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	
15	1/4	0.25	KSF15MH1S	KSF15MH3S	1625	814	349	-	-	-	-	-	-	-	-	-
					2025	1014	396	464	-	-	-	-	-	-	-	-
					2425	1215	448	508	563	616	-	-	-	-	-	-
	1/3	0.36	KSF15PH1S	KSF15PH3S	2825	1415	501	556	605	652	698	743	-	-	-	-
					3230	1618	557	607	652	695	737	777	-	-	-	
	1/2	0.52	KSF15QH1S	KSF15QH3S	3640	1824	615	661	703	743	781	817	889	959	-	-
					3840	1924	644	688	728	767	803	839	907	974	-	-
	1	1.01	KSF15SH1S	KSF15SH3S	4045	2026	673	716	755	792	827	862	928	992	1055	-
					4245	2127	702	743	781	817	851	885	948	1010	1071	-
	1 1/2	1.60	KSF15TL1S (702-884 RPM) KSF15TH1S (784-974 RPM)	KSF15TL3S (702-884 RPM) KSF15TH3S (784-974 RPM)	4445	2227	731	771	808	842	876	908	970	1029	1088	-
					4645	2327	760	799	834	868	901	932	992	1050	1106	-
					4850	2430	790	828	862	895	927	957	1015	1071	1126	-
	2	2.09	N/A	KSF15VH3S	5050	2530	820	856	890	922	952	982	1039	1093	-	
					5200	2605	842	877	910	942	972	1001	1057	-	-	
					5400	2705	871	906	938	968	998	1026	-	-	-	
3	3.12	N/A	KSF15WH3S	5600	2805	901	934	966	996	1024	-	-	-	-		
				5800	2906	931	963	994	1023	-	-	-	-	-		
				6000	3006	961	992	-	-	-	-	-	-	-		
				6400	3206	1021	1050	-	-	-	-	-	-	-		
18	1/4	0.24	KSF18MH1S	KSF18MH3S	2350	830	320	-	-	-	-	-	-	-	-	
					2450	865	327	-	-	-	-	-	-	-	-	
					2650	936	342	407	-	-	-	-	-	-	-	
					2850	1006	358	420	-	-	-	-	-	-	-	
	1/3	0.32	KSF18PH1S	KSF18PH3S	3060	1081	375	434	487	-	-	-	-	-		
					3575	1262	419	471	520	565	-	-	-	-		
	1/2	0.52	KSF18QH1S	KSF18QH3S	4090	1444	465	511	556	598	-	-	-	-		
					4600	1624	511	553	594	633	670	-	-	-		
	3/4	0.73	KSF18RH1S	KSF18RH3S	4850	1713	534	574	613	651	687	722	-	-		
					5110	1804	559	597	634	670	705	739	802	-	-	
	1	.95	KSF18SH1S	KSF18SH3S	5360	1893	583	619	655	689	723	756	818	-		
					5625	1986	608	643	677	710	743	774	835	891		
					5875	2075	632	665	698	730	762	792	852	907		
	1 1/2	1.54	KSF18TH1S	KSF18TH3S	6130	2165	656	688	720	751	781	811	869	-		
					6380	2253	680	711	742	772	801	830	-	-		
6645					2646	706	736	765	794	822	-	-	-			
2	2.10	KSF18VH1S	KSF18VH3S	7150	2525	755	783	-	-	-	-	-	-			
				7150	2525	755	783	-	-	-	-	-	-			
				7150	2525	755	783	-	-	-	-	-	-			
20	1/3	0.34	KSF20PH1S	KSF20PH3S	3600	931	262	313	363	-	-	-	-			
					4000	1034	279	326	372	416	-	-	-			
	1/2	0.46	KSF20QH1S	KSF20QH3S	4800	1241	316	358	396	434	472	508	-			
					5200	1345	334	375	411	446	481	515	-	-		
	3/4	0.75	KSF20RH1S	KSF20RH3S	5500	1422	348	388	422	456	489	522	586			
					5800	1500	362	402	435	466	498	529	591	-		
	1	1.04	KSF20SH1S	KSF20SH3S	6400	1577	377	415	447	478	508	538	597			
					6700	1655	392	429	460	490	518	547	604	659		
	1 1/2	1.46	KSF20TH1S	KSF20TH3S	7000	1733	406	443	474	502	529	557	611			
					7000	1810	421	456	487	515	541	568	620	671		
					7300	1888	437	470	501	528	553	579	629	679		
	2	2.00	N/A	KSF20VH3S	7600	1965	452	484	515	541	566	599	639			
					7600	1965	452	484	515	541	566	599	639			
					7900	2043	467	498	528	554	579	602	649			
	3	3.07	N/A	KSF20WL3S (483-606 RPM) KSF20WH3S (556-671 RPM)	8200	2120	483	512	542	568	592	615	660			
8800					2276	514	541	569	596	618	640	682				
5	4.98	N/A	KSF20XH3S	9400	2431	546	571	597	622	646	667	707				
				10000	2586	578	601	625	650	673	-	-				

Power ratings (BHP) do not include transmission losses.
 Performance certified is for installation type B-free inlet, ducted outlet.
 Performance ratings do not include the effects of appurtenances (accessories).
 575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

Table shows fan RPM needed for required CFM and SP.
 Shaded/Non-shaded area shows motor HP and stock number to order.

MODEL KSF Sound Power Data

Model KSF	RPM	SP	Sound Power RE 10 ⁻¹² Watts Octive Bands, Hz								L _{WD} dB(A)
			63	125	250	500	1000	2000	4000	8000	
9	500	0.125	73	69	60	54	51	49	45	38	59
	600	0.125	76	76	66	60	57	55	52	44	65
	700	0.125	78	82	72	65	62	59	58	51	71
	700	0.250	79	80	71	63	60	57	56	48	69
	800	0.125	80	85	77	69	66	63	62	56	75
	800	0.250	81	83	76	68	64	61	60	53	73
	900	0.125	82	87	81	73	69	67	66	61	78
	900	0.250	83	86	81	72	68	65	64	58	77
	1000	0.125	85	88	85	77	72	70	68	65	81
	1000	0.250	84	88	85	76	71	68	67	63	80
	1000	0.500	85	88	84	75	69	66	64	60	79
	1100	0.250	85	89	88	79	74	71	69	66	83
	1100	0.500	87	89	87	78	72	69	67	63	82
	1200	0.125	88	92	92	83	77	75	73	71	87
	1200	0.500	88	91	90	82	75	72	70	67	85
	1300	0.250	89	92	95	85	79	76	74	73	89
	1300	1.000	90	93	93	84	76	73	71	68	87
	1400	0.500	90	93	97	87	80	77	74	73	91
1500	1.000	92	95	97	89	80	77	74	73	92	
1600	1.500	93	96	98	91	82	79	76	74	93	
10	600	0.125	78	76	67	66	64	62	61	55	70
	700	0.125	80	82	71	70	68	66	66	60	75
	700	0.250	79	81	69	68	66	64	64	57	73
	800	0.125	82	85	76	74	72	70	69	65	78
	800	0.250	82	84	75	72	70	68	68	63	77
	900	0.125	85	87	81	77	75	73	72	68	81
	900	0.250	84	87	80	76	74	72	71	68	81
	900	0.500	84	85	78	73	71	69	68	64	78
	1000	0.125	86	89	85	79	78	76	75	72	84
	1000	0.250	86	89	84	79	77	75	74	71	84
	1000	0.500	86	88	83	76	75	73	72	68	82
	1100	0.125	88	91	87	82	80	78	77	75	87
	1100	0.250	88	91	88	81	80	78	76	74	86
	1100	0.500	88	90	87	79	87	76	75	72	85
	1200	0.500	89	92	92	82	81	79	77	76	88
	1200	1.000	88	91	88	79	77	75	73	71	85
	1300	1.000	90	93	92	82	80	79	77	76	88
	1400	1.000	92	94	96	84	83	81	79	79	91
1400	1.500	91	94	93	82	80	78	76	74	88	
1500	1.500	92	95	96	85	83	81	79	78	91	
12	400	0.125	56	59	59	57	56	54	47	41	61
	500	0.125	66	65	66	65	63	62	57	52	68
	500	0.250	63	61	62	61	60	58	52	45	64
	600	0.125	73	68	71	70	69	67	64	58	74
	600	0.250	72	67	68	68	66	65	61	55	71
	700	0.125	79	72	74	75	73	72	70	64	78
	700	0.250	79	70	73	73	71	70	68	62	77
	700	0.500	76	68	69	68	67	66	63	55	72
	800	0.125	84	74	77	79	76	75	74	68	82
	800	0.250	84	73	76	77	75	74	72	67	81
	800	0.500	83	71	74	74	72	72	69	62	78
	900	0.125	96	78	80	81	79	78	77	72	85
	900	0.250	86	78	79	80	78	77	76	71	84
	900	0.500	86	76	77	78	76	75	74	68	82
	1000	0.125	88	82	81	84	82	81	80	76	88
	1000	0.250	88	82	81	83	81	80	79	75	87
	1000	0.500	88	81	80	81	80	78	77	72	85
	1000	1.000	86	78	76	77	76	75	73	67	81
1100	1.000	89	83	79	81	79	78	77	72	85	
1200	1.500	89	85	80	81	80	79	77	72	85	

CENTRIFUGAL FILTERED SUPPLY

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet Lwo sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection. dBA levels are not licensed by AMCA International.

MODEL KSF Sound Power Data

Model KSF	RPM	SP	Sound Power RE 10 ⁻¹² Watts Octic Bands, Hz								L _{w0} dB(A)
			63	125	250	500	1000	2000	4000	8000	
15	450	0.125	71	66	66	65	64	63	57	50	69
	550	0.125	79	71	71	71	69	69	65	58	75
	550	0.250	78	70	69	69	67	66	62	55	73
	650	0.125	85	74	75	76	74	74	72	64	80
	750	0.125	88	80	78	79	78	77	76	70	84
	750	0.250	88	80	77	78	76	76	74	68	82
	750	0.500	87	79	75	76	74	74	71	64	80
	850	0.125	90	85	80	82	81	80	79	74	87
	850	0.250	90	84	80	81	80	79	78	73	86
	850	0.500	89	84	79	80	78	78	76	70	84
	950	0.125	92	89	83	84	84	83	82	78	90
	950	0.250	92	89	83	83	83	82	81	77	89
	950	0.500	92	88	82	82	82	81	79	75	86
	950	1.000	91	88	81	80	79	78	76	70	85
	1050	0.125	94	93	85	86	86	85	85	81	92
	1050	0.250	94	93	85	86	86	85	84	80	92
	1050	0.500	94	92	84	85	85	83	83	79	90
	1050	1.000	93	92	84	83	83	81	80	75	88
1150	1.000	95	95	86	85	86	84	83	79	91	
1150	1.500	94	95	86	84	84	82	81	76	90	
18	400	0.125	68	66	68	67	66	62	57	51	70
	500	0.125	77	72	73	73	72	70	65	60	77
	500	0.250	75	70	71	71	70	68	62	56	75
	600	0.125	84	77	77	78	77	76	71	66	82
	600	0.250	82	75	76	77	75	74	69	64	81
	600	0.500	79	72	73	75	72	71	66	59	77
	700	0.125	89	80	80	82	81	81	76	71	86
	700	0.250	88	79	79	81	80	79	75	70	85
	700	0.500	86	77	78	80	77	77	72	66	83
	800	0.125	91	85	83	85	84	84	81	75	90
	800	0.250	91	84	82	84	83	83	79	74	89
	800	0.500	89	83	81	83	82	81	77	72	87
	900	0.125	94	90	86	87	87	87	84	79	93
	900	0.250	93	89	85	87	87	86	83	78	92
	900	0.500	92	88	84	86	85	84	82	76	91
	900	1.000	89	85	82	84	83	82	78	73	88
	1000	0.500	94	92	87	88	88	87	85	80	94
	1000	1.000	92	90	85	86	86	85	83	77	91
1000	1.500	90	88	83	85	84	83	80	74	89	
1100	1.500	93	92	86	87	88	86	84	79	93	
20	200	0.125	56	55	54	53	47	40	35	29	53
	300	0.125	69	68	67	67	65	59	53	47	59
	300	0.250	65	64	63	63	61	53	47	42	65
	400	0.125	78	77	76	75	74	71	65	58	78
	400	0.250	76	74	73	73	72	67	61	55	76
	400	0.500	72	71	70	69	68	62	56	50	72
	500	0.125	85	83	82	81	80	79	72	66	85
	500	0.250	83	81	80	79	79	77	70	64	83
	500	0.500	80	78	77	77	76	73	66	60	80
	600	0.125	89	88	87	85	85	84	79	73	90
	600	0.250	88	87	86	84	84	83	77	71	89
	600	0.500	86	84	83	82	82	81	74	68	87
	600	1.000	82	80	79	79	78	76	68	62	82
	700	0.125	92	92	91	89	88	88	84	78	94
	700	0.250	91	91	90	89	88	87	83	77	93
	700	0.500	90	89	88	87	86	86	81	74	92
	700	1.000	86	86	85	84	84	82	76	70	88
	700	1.500	85	84	83	82	82	80	73	67	86
800	1.000	90	91	89	89	88	87	83	76	93	
800	1.500	88	88	86.8	86	86	84	79	72	91	

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet Lw0 sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection. dBA levels are not licensed by AMCA International.

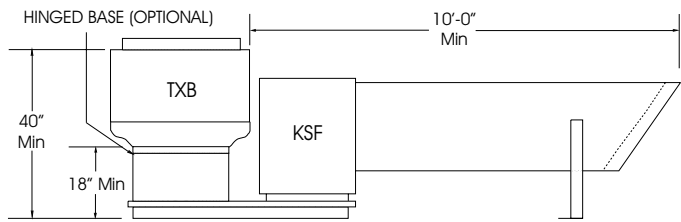


MODEL KSF BELT DRIVE CENTRIFUGAL FILTERED ROOF SUPPLY FAN

NFPA96 INSTALLATION

TYPICAL INSTALLATION

NFPA96 requires a 10 foot minimum distance between the exhaust fan and supply fan intake. The intake extension (optional) provides this clearance. Also required are hinged curb caps on the exhaust fan and some areas require a vented curb extension.



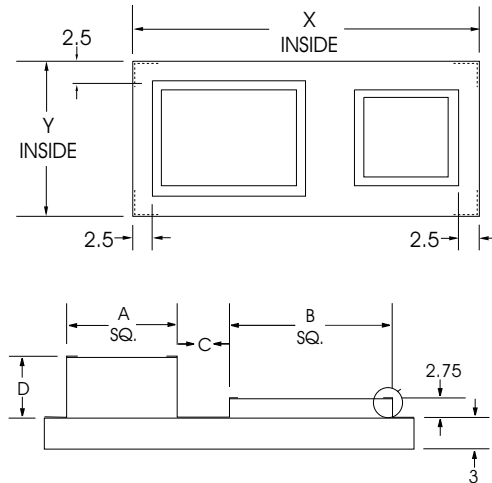
NFPA96 ALTERNATE INSTALLATION

Where space limitations absolutely prevent a 10 foot separation from the air intake, a vertical separation may be permitted with the exhaust outlet being a minimum of 3 feet above any air intake located within 10 feet horizontally.

IMPORTANT: Always check with the authority having jurisdiction to verify local codes and requirements.

COMMON CURB AND ADAPTOR

The common curb and adaptor allows for mounting both the exhaust fan and supply fans onto one roof opening. Follow the chart below for sizing and ordering common curbs and adaptors.



COMMON CURB MOUNTING OPTIONS¹

MODEL		STOCK NO. 8" HIGH COMMON CURB	COMMON CURB L x W OD	STOCK NO. CURB CAP ADAPTOR	CURB CAP ADAPTOR X x Y OD	CURB CAP OPENING	
TXB	KSF					EXHAUST FAN OUTLET A Sq.	SUPPLY FAN OUTLET B Sq.
10	9	2302BC10X9	55-3/4 x 27-1/2	2302BA10X9	56-3/4 x 29	16	23-3/4
12	9	2302BC12X9	59-1/4 x 27-1/2	2302BA12X9	60-3/4 x 29	23-1/2	23-3/4
15/16	10	2302BC15X10	65 x 31-1/4	2302BA15X10	66-1/2 x 32-3/4	23-1/2	27-3/4
15/16	12	2302BC15X12	69 x 35-1/4	2302BA15X12	70-1/4 x 36-3/4	23-1/2	31-3/4
15/16	15	2302BC15X15	69 x 35-1/4	2302BA15X15	70-1/4 x 36-3/4	23-1/2	31-3/4
18	12	2302BC18X12	74-1/2 x 35-1/4	2302BA18X12	76 x 36-3/4	29	31-3/4
18	15	2302BC18X15	74-1/2 x 35-1/4	2302BA18X15	76 x 36-3/4	29	31-3/4
20	12	2302BC20X12	74-1/2 x 35-1/4	2302BA20X12	76 x 36-3/4	29	31-3/4
20	15	2302BC20X15	74-1/2 x 35-1/4	2302BA20X15	76 x 36-3/4	29	31-3/4
24	15	2302BC24X15	82-1/2 x 38-1/2	2302BA24X15	84 x 40	35	31-3/4
24	18	2302BC24X18	86-1/2 x 39-1/4	2302BA24X18	88 x 40-3/4	35	35-3/4
30	18	2302BC30X18	94-1/2 x 45-3/4	2302BA30X18	96 x 47-1/4	42	35-3/4
30	20	2302BC30X20	108-1/2 x 54-1/4	2302BA30X20	110 x 55-3/4	42	50-1/4
36	20	2302BC36X20	113-1/2 x 54-1/4	2302BA36X20	115 x 55-3/4	42	50-1/4

¹ - FOR ADDITIONAL MOUNTING OPTIONS AND ACCESSORIES - REFER TO PAGE 14

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER.
DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



MODEL SQB

SQUARE INLINE BELT DRIVE CENTRIFUGAL DUCT FAN



APPLICATION

Model SQB square inline duct mounted fans are available in sizes 7 through 42, moving from 100 to over 21,000 CFM, with static pressure capabilities to 1-1/2". SQB units are the perfect selection for clean air applications where space is a leading consideration. The compact housing with removable access doors and side discharge capability can be mounted in any orientation. AMCA licensed performance and UL listing assure that you've made a reliable selection.

CONSTRUCTION

Housing

- Heavy-gauge galvanized steel for extra strength.
- Integral inlet and outlet duct collars.
- Universal mounting - horizontal, vertical or any angle.
- Motor and drives out of the air stream.
- Easy access for service with removable side panels and drive and bearing covers without disconnecting duct.

Centrifugal Wheel

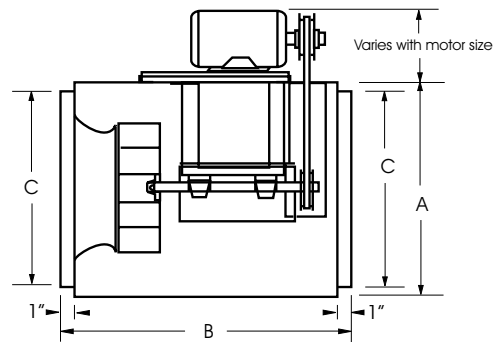
- All aluminum backward inclined wheel.
- Nonoverloading for safe operation in ducted systems.
- Statically and dynamically balanced for smooth operation.

Bearings

- Bearings designed for minimum 200,000 hour life.
- Bearings are double sealed and prelubricated with relube fittings.

DIMENSIONAL DATA

MODEL SQB	A	B	C	Average Ship Wt. Lbs.
7-8	15	23	11 7/8	75
10	17	23	13 7/8	85
12	21	23	17 7/8	95
15	24	28	21 7/8	140
18	28	30	23 7/8	190
20	32	34	27 7/8	220
24	39	38	34 7/8	320
30	44	40	39 7/8	420
36	52	45	47 7/8	600
42	58	53	53 7/8	725



Drives

- Sized for minimum 150% of drive horse power.
- Machined cast iron adjustable motor pulleys.
- Motor mount plate with integral belt tensioning device.
- Nonstatic v-belts.

Motors

- Single speed open drip-proof are standard.
- All motors are rated for continuous duty.
- Standard motors are permanently sealed ball bearing type.
- 182T and larger motors shipped unmounted for field installation.

AMCA SEAL



Soler & Palau USA, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



UL-705 LISTED POWER VENTILATOR

MODEL SQB	GRAVITY DAMPER		MOTOR GUARD	HANGING ISOLATORS		FLOOR ISOLATORS		FAN LESS MOTOR & DRIVE
	OD	STOCK NO.	STOCK NO.	RUBBER STOCK NO.	SPRING STOCK NO.	RUBBER STOCK NO.	SPRING STOCK NO.	STOCK NO.
7	12	411012	MGSQB07	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	SQB07LMDS
8	12	411012	MGSQB08	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	SQB08LMDS
10	14	411014	MGSQB10	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	SQB10LMDS
12	19	411019	MGSQB12	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	SQB12LMDS
15	22	411022	MGSQB15	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	SQB15LMDS
18	24	411024	MGSQB18	VHRSQ18-20	VHSSQ06-20	VFRSQ18-20	VFSSQ06-20	SQB18LMDS
20	28	411028	MGSQB20	VHRSQ18-20	VHSSQ06-20	VFRSQ18-20	VFSSQ06-20	SQB20LMDS
24	35	611035	MGSQB24	VHRSQ24-30	VHSSQ24	VFRSQ24-30	VFSSQ24-30	SQB24LMDS
30	40	611040	MGSQB30	VHRSQ24-30	VHSSQ30-36	VFRSQ24-30	VFSSQ24-30	SQB30LMDS (1)
36	48	611048	MGSQB36	VHRSQ36-42	VHSSQ30-36	VFRSQ36-42	VFSSQ36-42	SQB36LMDS (1)
42	54	611054	MGSQB42	VHRSQ36-42	VHSSQ42	VFRSQ36-42	VFSSQ36-42	SQB42LMDS

(1) - MAXIMUM 3 HP MOTOR - FOR 5 HP MOTOR CONTACT FACTORY

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL SQB					Square Inline Belt Drive Centrifugal Duct Fan								Ventilator with Open Drip-proof Motor and Drive Assembly		
MODEL SQB	MOTOR Hp	MAX BHP	RPM	Sones @ 1/2 SP	CFM at Static Pressure								115/1/60*	208-230/460/3/60	
					1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	STOCK NO.	STOCK NO.	
7	1/4	0.06	1210	6.1	182	138	86	-	-	-	-	-	-	SQB07MLIS	SQB07ML3S
		0.13	1530	9.1	249	217	182	144	-	-	-	-	-	-	-
	1/4	0.11	1450	8.4	233	199	161	118	-	-	-	-	-	SQB07MHIS	SQB07MH3S
		0.26	1930	14.3	328	304	279	252	193	123	-	-	-	SQB07PHIS	SQB07PH3S
	1/3	0.18	1690	10.8	281	253	223	190	114	-	-	-	-	-	-
0.34		2110	17.3	362	341	319	295	243	186	116	-	-	-	-	
8	1/4	0.05	1050	4.8	453	345	-	-	-	-	-	-	-	SQB08MLIS	SQB08ML3S
		0.17	1575	10.7	756	696	630	558	-	-	-	-	-	-	
	1/4	0.13	1425	9.3	673	604	527	437	-	-	-	-	-	SQB08MHIS	SQB08MH3S
		0.26	1800	13.8	880	829	774	715	583	-	-	-	-	-	
	1/3	0.15	1500	9.9	715	651	579	500	-	-	-	-	-	SQB08PHIS	SQB08PH3S
		0.37	2025	17.4	1001	957	910	860	753	627	-	-	-	-	
	1/2	0.28	1850	14.6	907	858	805	748	623	-	-	-	-	SQB08QHIS	SQB08QH3S
0.55		2325	23.0	1160	1124	1084	1043	955	860	753	604	-	-		
10	1/4	0.09	1050	5.1	798	687	540	-	-	-	-	-	-	SQB10MHIS	SQB10MH3S
		0.26	1500	10.0	1219	1143	1068	988	787	-	-	-	-	-	
	1/3	0.12	1175	6.6	917	821	712	557	-	-	-	-	-	SQB10PHIS	SQB10PH3S
		0.34	1650	11.9	1356	1286	1216	1148	992	763	-	-	-	-	
	1/2	0.23	1450	9.4	1173	1095	1016	932	702	-	-	-	-	SQB10QHIS	SQB10QH3S
		0.53	1900	16.0	1581	1520	1461	1401	1278	1139	957	-	-	-	
	3/4	0.38	1700	12.7	1401	1334	1267	1200	1053	857	-	-	-	SQB10RHIS	SQB10RH3S
0.79		2175	21.0	1827	1773	1720	1669	1564	1456	1336	1194	-	-		
12	1/4	0.12	900	5.4	1293	1098	769	-	-	-	-	-	-	SQB12MHIS	SQB12MH3S
		0.26	1170	9.3	1773	1639	1491	1312	-	-	-	-	-	-	
	1/3	0.18	1025	6.9	1518	1359	1165	806	-	-	-	-	-	SBQ12PHIS	SQB12PH3S
		0.34	1275	11.3	1954	1833	1704	1558	1099	-	-	-	-	-	
	1/2	0.23	1120	8.4	1686	1544	1384	1177	-	-	-	-	-	SQB12QHIS	SQB12QH3S
		0.53	1475	15.1	2296	2192	2085	1973	1710	1282	-	-	-	-	
	3/4	0.39	1325	12.3	2040	1924	1801	1667	1297	-	-	-	-	SQB12RHIS	SQB12RH3S
		0.78	1675	18.4	2633	2543	2450	2356	2151	1906	1545	-	-	-	
	1	0.59	1525	15.9	2380	2280	2178	2070	1827	1481	-	-	-	SQB12SHIS	SQB12SH3S
1.05		1850	22.0	2926	2844	2762	2678	2501	2306	2074	1751	-	-		

Performance certified is for installation Type B-free inlet, ducted outlet.
 Power ratings (BHP) do not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories).

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A-Free inlet fan sone levels.

Performance at higher RPM for each horse power is standard for that unit. Reduced performance can be obtained down to the minimum shown at the lower RPM for each unit, by resetting the adjustable motor sheave.

*Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery. 575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

MODEL SQB					Square Inline Belt Drive Centrifugal Duct Fan								Ventilator with Open Drip-proof Motor and Drive Assembly	
MODEL SQB	MOTOR Hp	MAX BHP	RPM	Sones @ 1/2 SP	CFM at Static Pressure								115/1/60*	208-230/460/3/60
					1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	STOCK NO.	STOCK NO.
15	1/4	0.14	770	5.3	1611	1408	1135	-	-	-	-	-	SQB15MHIS	SQB15MH3S
		0.26	950	8.3	2071	1911	1745	1548	-	-	-	-		
	1/3	0.17	825	6.3	1753	1567	1349	-	-	-	-	-	SQB15PHIS	SQB15PH3S
		0.36	1060	11.3	2347	2203	2058	1904	1464	-	-	-		
	1/2	0.29	990	9.3	2172	2018	1861	1684	-	-	-	-	SQB15QHIS	SQB15QH3S
		0.53	1205	15.9	2707	2577	2452	2324	2038	1576	-	-		
	3/4	0.41	1105	12.7	2459	2320	2182	2038	1674	-	-	-	SQB15RHIS	SQB15RH3S
		0.78	1375	20.0	3124	3009	2897	2787	2559	2298	1925	-		
	1	0.47	1160	14.4	2595	2462	2331	2197	1884	-	-	-	SQB15SHIS	SQB15SH3S
		1.08	1530	24.0	3502	3396	3295	3196	2996	2786	2545	2225		
	1 1/2	0.91	1445	22.0	3295	3184	3078	2973	2760	2526	2236	1585	SQB15THIS	SQB15TH3S
		1.57	1735	29.0	3999	3904	3813	3724	3549	3372	3187	2983		
18	1/3	0.24	700	5.9	2395	2155	1888	1443	-	-	-	-	SQB18PHIS	SQB18PH3S
		0.36	800	7.6	2803	2592	2378	2135	-	-	-	-		
	1/2	0.24	700	5.9	2395	2155	1888	1443	-	-	-	-	SQB18QHIS	SQB18QH3S
		0.56	925	10.2	3306	3119	2938	2752	2301	-	-	-		
	3/4	0.30	750	6.7	2600	2376	2141	1845	-	-	-	-	SQB18RHIS	SQB18RH3S
		0.76	1025	12.6	3704	3531	3367	3204	2851	2364	-	-		
	1	0.43	850	8.5	3005	2805	2607	2393	1662	-	-	-	SQB18SHIS	SQB18SH3S
		1.07	1150	15.9	4198	4039	3890	3745	3450	3119	2673	-		
	1 1/2	0.66	975	11.3	3505	3326	3154	2981	2589	1754	-	-	SQB18THIS	SQB18TH3S
		1.55	1300	20.0	4786	4642	4507	4376	4120	3854	3562	3202		
	2	0.94	1100	14.6	4000	3837	3682	3531	3217	2846	2189	-	SQB18VHIS	SQB18VH3S
		2.04	1425	23.0	5275	5140	5014	4893	4657	4422	4176	3906		
20	1/3	0.29	575	5.5	3297	2923	2428	-	-	-	-	-	SQB20PHIS	SQB20PH3S
		0.35	610	5.6	3539	3195	2778	2028	-	-	-	-		
	1/2	0.29	575	5.5	3297	2923	2428	-	-	-	-	-	SQB20QHIS	SQB20QH3S
		0.52	700	8.3	4151	3862	3546	3167	-	-	-	-		
	3/4	0.33	600	6.3	3470	3118	2683	-	-	-	-	-	SQB20RHIS	SQB20RH3S
		0.78	800	11.6	4819	4571	4311	4028	3286	-	-	-		
	1	0.42	650	6.7	3813	3496	3134	2646	-	-	-	-	SQB20SHIS	SQB20SH3S
		1.06	885	14.5	5380	5158	4929	4688	4134	3286	-	-		
	1 1/2	0.89	835	12.9	5051	4814	4568	4305	3661	-	-	-	SQB20THIS	SQB20TH3S
		1.57	1010	19.0	6199	6005	5809	5607	5173	4665	3963	-		
	2	0.97	860	13.7	5216	4987	4750	4498	3904	2801	-	-	SQB20VHIS	SQB20VH3S
		2.09	1110	23.0	6849	6673	6496	6315	5938	5523	5038	4388		

Performance certified is for installation Type B-free inlet, ducted outlet.
 Power ratings (BHP) do not include transmission losses.
 Performance ratings do not include the effects of appurtenances (accessories).

The sound ratings shown are loudness values in fan sonas at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A-Free inlet fan sona levels.

Performance at higher RPM for each horse power is standard for that unit. Reduced performance can be obtained down to the minimum shown at the lower RPM for each unit, by resetting the adjustable motor sheave.

***Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors.** Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery.
 575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

MODEL SQB					Square Inline Belt Drive Centrifugal Duct Fan								Ventilator with Open Drip-proof Motor and Drive Assembly	
MODEL SQB	MOTOR Hp	MAX BHP	RPM	Sones @ 1/2 SP	CFM at Static Pressure								115/1/60*	208-230/460/3/60
					1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	STOCK NO.	STOCK NO.
24	1/2	0.42	530	5.5	4426	3956	3416	2395	-	-	-	-	SQB24QHIS	SQB24QH3S
		0.54	580	7.1	4928	4502	4049	3485	-	-	-	-	SQB24RHIS	SQB24RH3S
	3/4	0.42	530	5.5	4426	3956	3416	2395	-	-	-	-	SQB24SHIS	SQB24SH3S
		0.80	660	9.9	5720	5343	4966	4558	3307	-	-	-	SQB24THIS	SQB24TH3S
	1	0.52	570	6.8	4828	4394	3928	3325	-	-	-	-	SQB24VHIS	SQB24VH3S
		1.07	725	12.6	6356	6010	5670	5319	4488	-	-	-	SQB24WHIS	SQB24WH3S
	1 1/2	0.80	660	9.9	5720	5343	4966	4558	3307	-	-	-	N/A	SQB24XH3S
		1.59	830	17.2	7375	7066	6768	6471	5843	5076	-	-	N/A	SQB24XH3S
	2	0.86	675	10.5	5867	5498	5131	4738	3653	-	-	-	N/A	SQB24XH3S
		2.11	910	21.0	8145	7859	7584	7314	6763	6156	5400	-	N/A	SQB24XH3S
3	2.04	900	20.0	8049	7760	7483	7210	6650	6030	5237	-	N/A	SQB24XH3S	
	3.10	1035	26.0	9340	9084	8838	8598	8122	7632	7101	6486	N/A	SQB24XH3S	
30	3/4	0.58	425	6.4	5919	5239	4395	-	-	-	-	-	SQB30RHIS	SQB30RH3S
		0.78	470	7.3	6675	6079	5408	4526	-	-	-	-	SQB30SHIS	SQB30SH3S
	1	0.69	450	6.5	6341	5711	4978	3879	-	-	-	-	SQB30THIS	SQB30TH3S
		1.06	520	9.6	7503	6972	6406	5757	-	-	-	-	SQB30VHIS	SQB30VH3S
	1 1/2	0.78	470	7.3	6675	6079	5408	4526	-	-	-	-	SQB30WHIS	SQB30WH3S
		1.55	590	13.4	8646	8182	7705	7196	5395	-	-	-	N/A	SQB30XH3S
	2	0.94	500	8.6	7174	6619	6017	5300	-	-	-	-	N/A	SQB30XH3S
		2.07	650	16.4	9615	9195	8770	8328	7337	5958	-	-	N/A	SQB30XH3S
	3	1.84	625	15.3	9212	8775	8330	7863	6784	5002	-	-	N/A	SQB30XH3S
		3.18	750	21.0	11215	10851	10487	10116	9339	8461	7349	5116	N/A	SQB30XH3S
5	2.88	725	19.7	10817	10440	10062	9677	8860	7909	6605	-	N/A	SQB30XH3S	
	5.23	885	28.0	13356	13046	12738	12429	11800	11141	10428	9620	N/A	SQB30XH3S	
36	1	0.65	325	5.9	7846	6921	5189	-	-	-	-	-	SQB36SHIS	SQB36SH3S
		1.00	375	7.5	9270	8565	7632	5970	-	-	-	-	SQB36THIS	SQB36TH3S
	1 1/2	0.81	350	6.6	8564	7767	6594	-	-	-	-	-	SQB36VHIS	SQB36VH3S
		1.46	425	9.2	10663	10083	9392	8500	-	-	-	-	N/A	SQB36WH3S
	2	1.21	400	8.3	9970	9335	8545	7421	-	-	-	-	N/A	SQB36XH3S
		2.03	475	11.7	12035	11540	10978	10318	8325	-	-	-	N/A	SQB36XH3S
	3	1.46	425	9.2	10663	10083	9392	8500	-	-	-	-	N/A	SQB36XH3S
		3.16	550	16.0	14072	13662	13215	12723	11526	9697	-	-	N/A	SQB36XH3S
	5	2.37	500	13.1	12717	12254	11737	11147	9552	-	-	-	N/A	SQB36XH3S
		4.63	625	21.0	16091	15740	15366	14965	14060	12940	11369	-	N/A	SQB36XH3S
42	2	0.96	285	-	11079	8897	-	-	-	-	-	-	SQB42VHIS	SQB42VH3S
		2.01	365	14.1	15087	13651	11953	9638	-	-	-	-	N/A	SQB42WH3S
	3	1.42	325	11.7	13114	11406	9110	-	-	-	-	-	N/A	SQB42XH3S
		3.07	420	16.8	17737	16543	15228	13708	8831	-	-	-	N/A	SQB42XH3S
	5	3.29	430	17.3	18213	17054	15786	14342	10091	-	-	-	N/A	SQB42XH3S
		5.02	495	22.0	21281	20299	19261	18144	15503	11477	-	-	N/A	SQB42XH3S

Performance certified is for installation Type B-free inlet, ducted outlet.

Power ratings (BHP) do not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A-Free inlet fan sone levels.

Performance at higher RPM for each horse power is standard for that unit. Reduced performance can be obtained down to the minimum shown at the lower RPM for each unit, by resetting the adjustable motor sheave.

*Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery. 575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

CENTRIFUGAL INLINE FANS



MODEL SQD

SQUARE INLINE DIRECT DRIVE CENTRIFUGAL DUCT FAN



CENTRIFUGAL INLINE FANS

APPLICATION

Model SQD square inline duct mounted fans are available in sizes 6 through 15, moving up to 2,800 CFM, with static pressure capabilities to 1". SQD units are the perfect selection for clean air applications where space is a leading consideration. The compact housing with removable access doors and side discharge capability can be mounted in any orientation. AMCA licensed performance and UL listing assure that you have made a reliable selection.

CONSTRUCTION

Housing

- Heavy-gauge galvanized steel for extra strength.
- Integral inlet and outlet duct collars
- Universal mounting - horizontal, vertical or any angle.
- Easy access for service with removable side panels, without disconnecting duct.

Centrifugal Wheel

- All aluminum backward inclined wheel.
- Nonoverloading for safe operation in ducted systems.
- Statically and dynamically balanced for smooth operation.
- SQD 06 has composite wheel.

Motors

- Single speed totally enclosed are standard.
- All motors are rated for continuous duty.
- Standard motors are permanently sealed ball bearing type.
- SQD06 has an external rotor motor.

AMCA SEAL



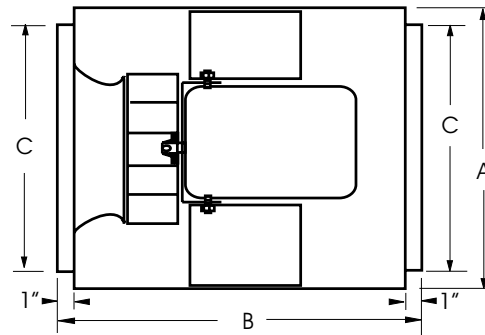
Soler & Palau USA, certifies that the Models SQD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



UL-705 LISTED POWER VENTILATOR

DIMENSIONAL DATA

MODEL SQD	A	B	C	Average Ship Wt. Lbs.
6	13	14	8 7/8	30
8	16	17	11 7/8	60
10	19	20	13 7/8	75
12	23	24	15 7/8	90
15	28	29	19 7/8	120



MODEL SQD	DAMPER		HANGING ISOLATORS		FLOOR ISOLATORS		SPEED CONTROL	
	OD	STOCK NO.	RUBBER STOCK NO.	SPRING STOCK NO.	RUBBER STOCK NO.	SPRING STOCK NO.	5 AMP STOCK NO.	10 AMP STOCK NO.
6	9	411009	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	2727.1	N/A
8	12	411012	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	2727.1	N/A
10	14	411014	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	2727.1	2828.1
12	16	411016	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	2727.1	2828.1
15	20	411020	VHRSQ06-15	VHSSQ06-20	VFRSQ06-15	VFSSQ06-20	N/A	2828.1

SPEED CONTROL **2727.1 MAX 1/3 HP-5 AMP 120V**
2828.1 MAX 1/2 HP-10 AMP 120V

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL SQD					Square Inline Direct Drive Centrifugal Duct Fan							Ventilator with Totally Enclosed Motor	
MODEL SQD	MOTOR Hp	MAX BHP	RPM	SONES @ 1/4 SP	CFM at Static Pressure							115/1/60*	208-230/1/60*
					1/8	1/4	3/8	1/2	5/8	3/4	1	STOCK NO.	STOCK NO.
60	100 WATT	.95 MAX AMPS @ 115/60/1	1250	2.2	162	102	-	-	-	-	-	SQD601AS	N/A
			1500	3.5	208	174	116	-	-	-	-		
			1850	5.4	269	245	215	170	130	-	-		
			2100	6.8	312	290	268	240	201	158	-		
			2400	8.6	362	343	324	304	281	250	176		
			2700*	10.4	406	389	372	355	337	316	257		
8125	1/25	0.04	950	2.7	336	164	-	-	-	-	-	SQD81251AS	N/A
			1000	3.1	366	221	-	-	-	-	-		
			1050	3.6	396	267	-	-	-	-	-		
			1070*	3.8	407	284	-	-	-	-	-		
825	1/4	0.18	1050	3.8	398	276	-	-	-	-	-	SQD8251AS	SQD8251CS
			1200	5.4	482	388	259	-	-	-	-		
			1400	7.2	588	514	427	313	-	-	-		
			1550	8.5	665	600	528	444	335	-	-		
1025	1/4	0.16	900	4.5	692	514	-	-	-	-	-	SQD10251AS	SQD10251CS
			1000	6.0	804	651	434	-	-	-	-		
			1050	6.8	858	714	547	-	-	-	-		
			1150*	8.3	964	836	698	473	-	-	-		
1050	1/2	0.38	1050	6.0	845	703	524	-	-	-	-	SQD10501AS	SQD10501CS
			1200	8.1	1000	883	748	584	-	-	-		
			1350	10.1	1151	1050	940	815	667	-	-		
			1450	11.2	1250	1158	1058	949	826	680	-		
			1650	13.9	1445	1366	1283	1194	1098	993	740		
			1710*	14.7	1505	1430	1350	1266	1175	1078	852		
1225	1/4	0.19	900	6.0	1051	809	529	-	-	-	-	SQD12251AS	SQD12251CS
			1000	7.6	1216	1003	774	-	-	-	-		
			1050	8.4	1297	1096	883	640	-	-	-		
			1100	9.3	1377	1187	986	767	-	-	-		
			1120*	9.7	1410	1224	1028	817	-	-	-		
1250	1/2	0.55	950	6.4	1129	920	654	-	-	-	-	SQD12501AS	SQD12501CS
			1050	7.8	1287	1106	890	651	-	-	-		
			1300	11.9	1673	1526	1380	1215	1020	825	-		
			1500	15.6	1975	1844	1719	1591	1451	1292	950		
			1620*	17.7	2159	2033	1918	1802	1680	1548	1237		
1550	1/2	0.51	700	6.1	1517	1174	793	-	-	-	-	SQD15501AS	SQD15501CS
			800	8.0	1839	1515	1233	833	-	-	-		
			900	10.2	2152	1849	1585	1335	994	-	-		
			1000	12.7	2456	2178	1924	1695	1469	1187	-		
			1060*	14.6	2658	2399	2151	1928	1719	1501	-		

* True motor speed - other speeds based on speed control use.

Performance certified is for installation Type B-free inlet, ducted outlet.

Power ratings (BHP) do not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A-Free inlet fan sone levels.

Use 5 AMP Speed Control for motors 1/3 HP and smaller.

Use 10 AMP Speed Control for motors 1/2.

CENTRIFUGAL INLINE FANS



MODEL HREBC HOODED BELT DRIVE PROPELLER ROOF EXHAUSTER

APPLICATION

Models HREBC are used to exhaust air from a variety of commercial and industrial operations such as manufacturing and assembly plants, warehouses, garages, laundries and similar buildings.

The unit's low silhouette fits today's clean uncluttered building design and its standard all galvanized construction provides years of resistance to corrosion.

Hood sizes 58 to 78 inch (represents fan sizes 24 to 36) ship assembled. Hood sizes 87 to 111 inch (represents fans sizes 42 to 60) ship knockdown and are designed for easy jobsite assembly.

For damper maintenance, an entire side panel of the fan stack easily removes for access. The hood hinges open for access to motor, drive and bearings.

CONSTRUCTION

Panel Assembly

- Heavy-gauge G90 galvanized steel panel.
- All welded support structure of minimum schedule 40 galvanized pipe.
- Motor/bearing plates of minimum 10 gauge galvanized steel.

Hood

- All heavy-gauge G90 galvanized steel.
- Low silhouette modular design for pleasing appearance.
- Gutter provides additional hood strength and rigidity.
- Hinged for maintenance access.

Base

- All galvanized construction for corrosion resistance.
- Removable panel for damper access.

Propeller

- Three, four or six wing airfoil aluminum blades.
- Steel hub plate with steel taper lock bushing.

DIMENSIONAL DATA

MODEL HREB	A	B	C	D	E	Average Ship Wt. Lbs.
24	58	35	24	44	23	300
30	66	41	30	44	23	360
36	78	47	36	44	23	440
42	87	53	42	51	30	540
48	99	59	48	51	30	690
54	111	65	54	51	30	820
60	111	71	60	51	30	910

C=RECOMMENDED ROOF OPENING

MODEL HREB	RECOMMENDED 12" HIGH MOUNTING CURB		RECOMMENDED GRAVITY DAMPER	
	OD	STOCK NO.	OD	STOCK NO.
24	33 1/4	2302.12.24HR	26	S3GA26
30	39 1/4	2302.12.30HR	32	S3GA32
36	45 1/4	2302.12.36HR	38	S3GA38
42	51 1/4	2302.12.42HR	44	S3GA44
48	57 1/4	2302.12.48HR	50	S3GA50
54	63 1/4	2302.12.54HR	56	S3GA56
60	69 1/4	2302.12.60HR	62	S3GA62

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



Drives

- Sized for minimum 150% of drive horsepower.
- Single belt adjustable pitch sheaves through 3HP.
- Two belt fixed pitch sheaves 5HP through 10HP.
- Nonstatic v-belts.

Bearings

- Bearings designed for minimum 200,000 hour life.
- Bearings are sealed, prelubricated with relube fittings.

Motors

- Open drip-proof construction is standard.

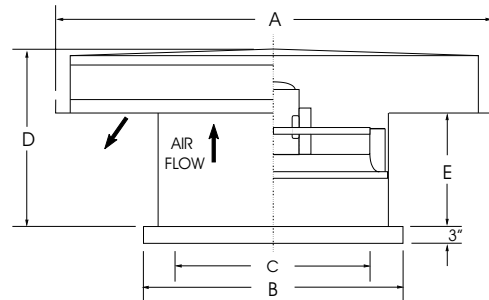
AMCA SEAL



Soler & Palau USA, certifies that the Models HREBC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705



PROPELLER ROOF VENTILATORS

MODEL HREBC						Hooded Belt Drive Propeller Roof Exhauster						Ventilator with Open Drip-proof Motor and Drive Assembly	
MODEL HREBC	MOTOR Hp	MAX BHp	RPM	SONES @ 0 SP	BLADES/ PICTCH	CFM at Static Pressure						115/1/60*	208-230/460/3/60
						0	1/8	1/4	3/8	1/2	3/4	STOCK NO.	STOCK NO.
24	1/3	0.42	970	14.9	3/25	5702	4678	3661	2480	1159	-	HREBC24PH1S	HREBC24PH3S
	1/2	0.62	1110	18.3	3/25	6525	5613	4764	3792	2730	-	HREBC24QH1S	HREBC24QH3S
	3/4	0.90	1270	23.0	3/25	7466	6653	5915	5153	4271	2240	HREBC24RH1S	HREBC24RH3S
	1	1.20	1400	26.0	3/25	8230	7482	6806	6134	5417	3809	HREBC24SH1S	HREBC24SH3S
	1 1/2	1.74	1585	32.0	3/25	9318	8647	8038	7450	6850	5501	HREBC24TH1S	HREBC24TH3S
	2	2.39	1760	38.0	3/25	10347	9735	9176	8641	8113	7003	HREBC24VH1S	HREBC24VH3S
30	1/3	0.40	680	13.2	3/27	7209	5018	3176	-	-	-	HREBC30PH1S	HREBC30PH3S
	1/2	0.61	780	16.3	3/27	8269	6517	4594	3076	-	-	HREBC30QH1S	HREBC30QH3S
	3/4	0.91	890	20.0	3/27	9435	7802	6092	4715	3378	-	HREBC30RH1S	HREBC30RH3S
	1	1.12	980	24.0	3/27	10389	8811	7407	5963	4761	-	HREBC30SH1S	HREBC30SH3S
	1 1/2	1.81	1120	29.0	3/27	11874	10351	9420	7876	6728	4619	HREBC30TH1S	HREBC30TH3S
	2	2.42	1235	34.0	3/27	13093	11601	10764	9647	8292	6332	HREBC30VH1S	HREBC30VH3S
	3	3.64	1415	44.0	3/27	15001	13542	12783	12052	10959	8829	N/A	HREBC30WH3S
36	1/3	0.39	580	13.3	3/22	8786	6104	2134	-	-	-	HREBC36PH1S	HREBC36PH1S
	1/2	0.59	665	16.5	3/22	10073	7683	5107	-	-	-	HREBC36QH1S	HREBC36QH3S
	3/4	0.90	765	20.0	3/22	11588	9473	7492	4732	-	-	HREBC36RH1S	HREBC36RH3S
	1	1.20	840	23.0	3/22	12724	10811	9014	6896	3781	-	HREBC36SH1S	HREBC36SH3S
	1 1/2	1.79	960	29.0	3/22	14542	12808	11215	9677	7717	-	HREBC36TH1S	HREBC36TH3S
	2	2.37	1055	33.0	3/22	15981	14338	12909	11537	9985	5673	HREBC36VH1S	HREBC36VH3S
	3	3.58	1210	42.0	3/22	18329	16799	15675	14345	12167	10286	N/A	HREBC36WH3S
	5	5.97	1435	55.0	3/22	21737	20331	19363	18375	17234	15229	N/A	HREBC36XH3S
42	1/2	0.60	500	14.9	3/26.5	12466	8498	3210	-	-	-	HREBC42QH1S	HREBC42QH3S
	3/4	0.89	570	18.1	3/26.5	14211	10756	7172	-	-	-	HREBC42RH1S	HREBC42RH3S
	1	1.20	630	21.0	3/26.5	15707	12613	9405	5533	-	-	HREBC42SH1S	HREBC42SH3S
	1 1/2	1.79	720	26.0	3/26.5	17951	15283	12444	9640	5864	-	HREBC42TH1S	HREBC42TH3S
	2	2.41	795	30.0	3/26.5	19821	17431	14861	12333	9694	-	HREBC42VH1S	HREBC42VH3S
	3	3.62	910	37.0	3/26.5	22688	20627	18414	16163	13965	8937	N/A	HREBC42WH3S
	5	6.05	1080	49.0	3/26.5	26927	25212	23392	21505	19606	15894	N/A	HREBC42XH3S
48	3/4	0.91	450	16.3	6/20	15781	12968	9524	-	-	-	HREBC48RH1S	HREBC48RH3S
	1	1.20	495	18.9	6/20	17360	14879	11860	8269	-	-	HREBC48SH1S	HREBC48SH3S
	1 1/2	1.76	565	23.0	6/20	19814	17669	15126	12415	9098	-	HREBC48TH1S	HREBC48TH3S
	2	2.43	625	27.0	6/20	21919	19977	17838	15433	12834	-	HREBC48VH1S	HREBC48VH3S
	3	3.59	715	32.0	6/20	25075	23364	21654	19566	17502	12688	N/A	HREBC48WH3S
	5	6.10	850	43.0	6/20	29809	28351	26957	25466	23707	20177	N/A	HREBC48XH3S
	7 1/2	8.94	965	53.0	6/20	33842	32546	31316	30072	28720	25584	N/A	HREBC48YH3S
54	2	2.36	530	28.0	6/20	28075	24746	21152	17397	13225	-	HREBC54VH1S	HREBC54VH3S
	3	3.59	610	34.0	6/20	32312	29421	27975	23156	19939	-	N/A	HREBC54WH3S
	5	5.79	715	44.0	6/20	37874	35407	32940	30341	27494	21912	N/A	HREBC54XH3S
	7 1/2	8.57	815	55.0	6/20	43171	41007	38843	36670	34336	29337	N/A	HREBC54YH3S
60	2	2.30	450	26.0	6/20	28479	23920	19370	13910	-	-	HREBC60VH1S	HREBC60VH3S
	3	3.68	525	33.0	6/20	23225	29133	25508	21380	16669	-	N/A	HREBC60WH3S
	5	5.62	605	41.0	6/20	38288	34526	31547	28228	24595	15845	N/A	HREBC60XH3S
	7 1/2	8.71	700	53.0	6/20	44301	40836	38290	35595	32709	26232	N/A	HREBC60YH3S

*Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery.

Power Ratings (BHP) do not include transmission losses.

Performance certified is for installation type A-free inlet, free outlet. Performance ratings include the effects of appurtenances (accessories).

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301.

Values shown are for installation Type A-Free inlet fan sone levels.

575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

PROPELLER ROOF VENTILATORS



MODEL HRSB HOODED BELT DRIVE PROPELLER ROOF SUPPLY FAN



APPLICATION

Models HRSB are used in a variety of commercial and industrial operations such as warehouses, manufacturing plants, equipment and machinery rooms, assembly plants and similar facilities to provide fresh outside air for personal comfort and to reduce negative pressure caused by exhaust systems.

Hood sizes 58 to 78 inch (represents fan sizes 24 to 36 inch) ship assembled. Hood sizes 87 to 111 inch (represent fans sizes 42 to 60 inch) ship separate for field attachment.

CONSTRUCTION

Panel Assembly

- Heavy-gauge G90 galvanized steel panel.
- All welded support structure of minimum schedule 40 galvanized pipe.
- Motor/bearing plates of minimum 10 gauge galvanized steel.

Hood

- All heavy-gauge G90 galvanized steel.
- Low silhouette modular design for pleasing appearance.
- Unique design rain gutter minimizes water entrapment.
- Gutter provides additional hood strength and rigidity.
- Hinged for maintenance access.

Base

- All galvanized construction for corrosion resistance.
- Removable panel for damper access.

Propeller

- Three, four or six wing airfoil aluminum blades.
- Steel hub plate with steel taper lock bushing.

Bearings

- Bearings designed for minimum 200,000 hour life.
- Bearings are sealed, prelubricated with relube fittings.

DIMENSIONAL DATA

MODEL HRSB	A	B	C	D	E	Average Ship Wt. Lbs.
24	58	35	27	31	23	425
30	66	41	33	32	23	545
36	78	47	36	34	23	690
42	87	53	42	43	30	620
48	99	59	48	44	30	760
54	111	65	54	45	30	1150
60	111	71	60	46	30	1335

C=RECOMMENDED ROOF OPENING

MODEL HRSB	RECOMMENDED 12" HIGH MOUNTING CURB		RECOMMENDED GRAVITY DAMPER	
	OD	STOCK NO.	OD	STOCK NO.
24	33 1/4	2302.12.24HR	26	S3GA26CB
30	39 1/4	2302.12.30HR	32	S3GA32CB
36	45 1/4	2302.12.36HR	38	S3GA38CB
42	51 1/4	2302.12.42HR	44	S3GA44CB
48	57 1/4	2302.12.48HR	50	S3GA50CB
54	63 1/4	2302.12.54HR	56	S3GA56CB
60	69 1/4	2302.12.60HR	62	S3GA62CB

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Drives

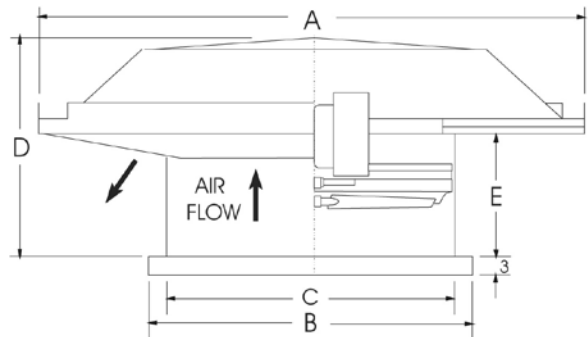
- Sized for minimum 150% of drive horsepower.
- Single belt adjustable pitch sheaves through 3HP.
- Two belt fixed pitch sheaves through 10HP.
- Non static v-belts.

Motors

- Open drip-proof construction is standard.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705



MODEL HRSB

Hooded Belt Drive Propeller Roof Supply Fan

Ventilator with Open Drip-proof
Motor and Drive Assembly

MODEL HRSB	MOTOR Hp	MAX BHp	RPM	SONES @ 0 SP	NO. OF BLADES	CFM at Static Pressure						115/1/60*	208-230/460/3/60
						0	1/8	1/4	3/8	1/2	3/4	STOCK NO.	STOCK NO.
24	1/3	0.38	930	15	3	4724	4043	2979	-	-	-	HRSB24PH1S	HRSB24PH3S
	1/2	0.58	1060	19	3	5444	4844	4022	3000	-	-	HRSB24QH1S	HRSB24QH3S
	3/4	0.85	1215	24	3	6171	5648	5049	4244	3315	-	HRSB24RH1S	HRSB24RH3S
	1	1.13	1335	28	3	6781	6302	5841	5121	4374	-	HRSB24SH1S	HRSB24SH3S
	1 1/2	1.70	1530	34	3	7771	7354	6946	6467	5830	4436	HRSB24TH1S	HRSB24TH3S
	2	2.25	1680	41	3	8533	8153	7777	7412	6881	5715	HRSB24VH1S	HRSB24VH3S
30	1/3	0.37	660	13	3	7099	5557	3085	-	-	-	HRSB30PH1S	HRSB30PH3S
	1/2	0.58	775	16	3	8194	6922	5008	-	-	-	HRSB30QH1S	HRSB30QH3S
	3/4	0.85	865	21	3	9304	8246	6822	4979	-	-	HRSB30RH1S	HRSB30RH3S
	1	1.15	950	24	3	10310	9369	8175	6585	-	-	HRSB30SH1S	HRSB30SH3S
	1 1/2	1.70	1090	30	3	11724	10915	9991	8841	7402	-	HRSB30TH1S	HRSB30TH3S
	2	2.27	1200	36	3	12908	12173	11373	10448	9266	-	HRSB30VH1S	HRSB30VH3S
	3	3.44	1370	45	3	14669	13780	12876	11851	10820	8804	N/A	HRSB30WH3S
36	1/3	0.38	495	11	3	9903	6558	-	-	-	-	HRSB36PH1S	HRSB36PH3S
	1/2	0.58	565	14	3	11381	8600	-	-	-	-	HRSB36QH1S	HRSB36QH3S
	3/4	0.85	645	18	3	12993	10696	7433	-	-	-	HRSB36RH1S	HRSB36RH3S
	1	1.14	710	21	3	14302	12333	9637	-	-	-	HRSB36SH1S	HRSB36SH3S
	1 1/2	1.73	815	27	3	16417	14783	12589	10000	-	-	HRSB36TH1S	HRSB36TH3S
	2	2.29	895	31	3	18029	16541	14686	12604	-	-	HRSB36VH1S	HRSB36VH3S
	3	3.44	1025	39	3	20647	19348	17959	16131	14300	-	N/A	HRSB36WH3S
42	1/2	0.58	445	13	3	14503	9169	-	-	-	-	HRSB42QH1S	HRSB42QH3S
	3/4	0.85	510	16	3	16525	12079	-	-	-	-	HRSB42RH1S	HRSB42RH3S
	1	1.15	560	19	3	18251	14350	-	-	-	-	HRSB42SH1S	HRSB42SH3S
	1 1/2	1.72	640	24	3	20858	17815	13510	-	-	-	HRSB42TH1S	HRSB42TH3S
	2	2.30	705	35	3	22977	20268	16414	12245	-	-	HRSB42VH1S	HRSB42VH3S
	3	3.43	805	46	3	26236	23863	20873	17540	13601	-	N/A	HRSB42WH3S
48	3/4	0.86	405	14	3	19542	11487	-	-	-	-	N/A	N/A
	1	1.14	445	17	3	21742	14137	-	-	-	-	HRSB48SH1S	HRSB48SH3S
	1 1/2	1.72	500	21	3	24493	17864	10164	-	-	-	HRSB48TH1S	HRSB48TH3S
	2	2.30	560	25	3	27161	22026	15327	-	-	-	HRSB48VH1S	HRSB48VH3S
	3	3.40	640	30	3	30881	26694	20675	15035	-	-	N/A	HRSB48WH3S
54	2	2.09	465	23	3	29628	23717	14745	-	-	-	HRSB54VH1S	HRSB54VH3S
	3	3.10	530	28	3	33769	29093	22202	-	-	-	N/A	HRSB54WH3S
	5	4.99	630	37	3	39709	35990	31085	25359	-	-	N/A	HRSB54XH3S
	7 1/2	7.47	720	47	3	45382	42128	38469	33640	28551	-	N/A	HRSB54YH3S
60	2	2.02	390	20	3	30739	25920	-	-	-	-	HRSB60VH1S	HRSB60VH3S
	3	3.05	450	26	3	35284	31586	23994	-	-	-	N/A	HRSB60WH3S
	5	4.99	530	35	3	41557	38758	34372	-	-	-	N/A	HRSB60XH3S
	7 1/2	7.59	610	44	3	47830	45398	42206	37327	39300	-	N/A	HRSB60YH3S

*Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery.

Power ratings (BHP) do not include transmission losses.

Performance certified is for installation type A-free inlet, free outlet. Performance ratings include the effects of appurtenances (accessories).

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301.

Values shown are for installation Type A-Free inlet fan sone levels.

575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

PROPELLER ROOF VENTILATORS



MODEL UBS UPBLAST BELT DRIVE PROPELLER ROOF EXHAUSTER

APPLICATION

Model UBS is a high capacity roof mounted exhauster rated from 7,000 to 51,000 CFM. They are general ventilation units designed to economically remove large volumes of air, fumes and vapors from commercial and industrial buildings such as warehouses, manufacturing and assembly plants, chemical plants, foundries and paper mills.

Straight-through air flow design results in maximum exhaust efficiency. During operation, the high air flow velocity opens butterfly dampers and helps prevent rain or snow from entering. Dampers close and cover the venturi opening when unit is not in use.

The roof mounted location eliminates interference with processes and equipment inside the building. It also permits locating the exhauster over a source of heated or contaminated air, allowing direct upward venting to the outside, unlike wall mounted exhausters which may move contaminated air through adjacent work spaces.

Belt drive units usually operate more quietly and afford easier performance adjustments, while direct drive models require less maintenance.

CONSTRUCTION

Panel Assembly

- Heavy-gauge G90 galvanized steel panel on all sizes.
- One piece venturi for maximum efficiency.
- Welded and bolted support structure of schedule 40 galvanized pipe.
- Motor/bearing plates of minimum 10 gauge galvanized steel.
- Lifting eyes standard for ease of installation.

Windband/Butterfly Dampers

- Heavy-gauge galvanized steel windband.
- Galvanized steel butterfly dampers standard.
- Galvanized rain channel drains water from damper area to roof.
- Corrosion resistant.

DIMENSIONAL DATA

MODEL UBS	A	B	C	D	E	F	METAL GAUGES		Average Ship Wt. Lbs.
							WIND SHROUD	FAN PANEL	
24	30	26	20	32	28	31	18	16	250
30	36	29	21	38	34	37	18	16	325
36	42	31	21	44	40	43	18	16	350
42	48	34	22	50	46	49	18	16	425
48	54	37	26	56	52	55	18	16	450
54	60	40	26	62	58	61	18	14	575
60	66	43	26	68	64	67	18	14	750

A - Outside Diameter of Windband.

B - Height of Unit Above Curb Cap.

C - Maximum Depth of Unit Below Top of Curb, Actual Depth Varies with Motor Size.

D - Inside Dimension of Square Curb Cap.

E - Minimum Inside Dimension of Curb Opening Required for Adequate Clearance of Fan Frame.

F - Outside Dimension of Factory Built Prefab Curb.



Propeller

- Steel hub plate with steel taper lock bushing.
- Die formed, heavy gauge, epoxy coated, steel blades.

Drives

- Sized for minimum 150% of drive horsepower.
- Single belt adjustable pitch sheaves through 3 HP.
- Two belt fixed pitch sheaves on 5 HP and 7 1/2 HP units.
- Adjustable tension rods for belt adjustment.
- Nonstatic oil resistant v-belts.
- Keyed, turned, ground and polished shafts.

Bearings

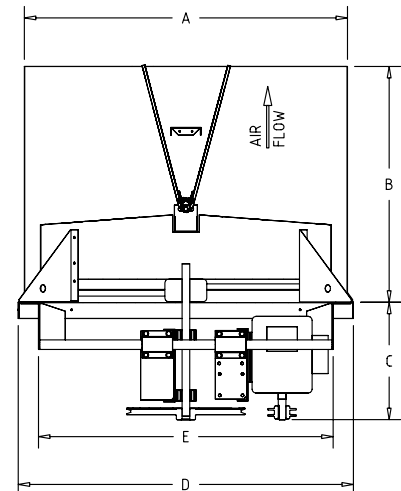
- Bearings designed for minimum 200,000 hour life.
- Cast iron self-aligning pillow block ball bearings.
- Bearings are sealed, prelubricated with relube fittings.

Motors

- Brands are nationally recognized and locally serviced.
- Open drip-proof construction is standard.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705



ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER.
DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL UBS						Upblast Belt Drive Propeller Roof Exhauster					Ventilator with Open Drip-proof Motor and Drive Assembly	
MODEL UBS	MOTOR Hp	MAX BHp	RPM	SONES @ 1/4 SP	NO. OF BLADES	CFM at Static Pressure					115/208/230/1/60*	208-230/460/3/60
						0	1/8	1/4	3/8	1/2	STOCK NO.	STOCK NO.
24	1	1.10	1200	26	3	7939	7511	7068	6461	5718	UBS24SH1S	UBS24SH3S
30	1	1.10	755	17.6	3	10546	9463	7865	5230	3906	UBS30SH1S	UBS30SH3S
	1 1/2	1.65	915	25	3	12781	11952	10895	9435	7270	UBS30TH1S	UBS30TH3S
	2	2.20	1030	31	3	14388	13700	12782	11745	10346	UBS30VH1S	UBS30VH3S
36	1	1.15	575	15.1	3	11872	10354	8064	5301	3522	UBS36SH1S	UBS36SH3S
	1 1/2	1.65	705	22	3	14557	13389	11962	9903	6871	UBS36TH1S	UBS36TH3S
	2	2.20	795	26	3	16514	15416	14200	12722	10776	UBS36VH1S	UBS36VH3S
	3	3.30	950	37	3	19087	18221	17299	16291	15181	N/A	UBS36WH3S
42	1 1/2	1.65	510	16.8	3	16307	14087	11400	7270	5386	UBS42TH1S	UBS42TH3S
	2	2.20	600	23	3	19184	17283	15281	12804	8980	UBS42VH1S	UBS42VH3S
	3	3.30	700	37	3	22382	20749	19150	17245	15170	N/A	UBS42WH3S
	5	5.50	790	48	3	25259	23813	22382	20885	19127	N/A	UBS42XH3S
48	2	2.20	475	20	3	22656	20052	16506	10504	7559	UBS48VH1S	UBS48VH3S
	3	3.30	570	27	3	27187	25018	25563	19410	14113	N/A	UBS48WH3S
	5	5.50	660	38	3	31480	29606	27732	25319	22538	N/A	UBS48XH3S
54	3	3.30	400	20	3	29460	25454	20962	14718	11910	N/A	UBS54WH3S
	5	5.50	495	32	3	39456	33013	30586	26237	19623	N/A	UBS54XH3S
60	5	5.50	415	29	3	44555	40707	36545	27962	22834	N/A	UBS60XH3S
	7 1/2	8.62	475	38	3	50996	47635	44150	39164	31620	N/A	UBS60YH3S

Performance shown is for roof ventilators for installation type A: Free inlet, Free outlet. The power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

Sound ratings are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: Free inlet fan sone levels. For additional sound data and for selections at other static pressures, please refer to the Optimizer Selection Program.

Due to air stream cooling, the motor loading into the service factor shown does not overheat the motor and is within NEMA recommended limits. BHP at most static pressure points is less than the maximum power shown - in many cases substantially less. Use Optimizer to see the exact BHP for your selection.

PROPELLER ROOF VENTILATORS



MODEL ARE/ARS

DOME DIRECT DRIVE PROPELLER

EXHAUST/INTAKE ROOF VENTILATOR

ARE=Exhaust
ARS=Supply



APPLICATION

The AR series offers powerful axial intake (ARS) or exhaust (ARE) performance in a roof mount design that is compact, lightweight and easy to install.

The AR series is an excellent choice for factories, shops, restaurants, bathrooms, offices, schools and other similar applications where light to moderate static pressures are present.

The low contour designs and all aluminum housing provides a modern, clean appearance in addition to excellent performance and durability. The direct drive design has no belts or fan bearings to maintain or adjust and consequently requires very little maintenance.

CONSTRUCTION

Housing

- Heavy-gauge all aluminum housing.
- Exclusive U-Spring suspension compensates for both radial and lateral movement and provides 44% better vibration isolation than rubber isolators.
- External wiring chase for easy connection.
- Quick access to motor compartment for easy maintenance.

Propeller

- Attaches directly to motor shaft for maximum efficiency.
- Precision pitched, heavy-gauge aluminum blades with steel hub. Blades are designed for specific exhaust or supply requirements.

Speed Controllable Motor

- Standard motors are single speed, speed controllable and drip-proof.
- All motors are rated for continuous duty.
- Disconnect is standard on ODP motors.
- Motors are shipped assembled with factory test run assurance.

DIMENSIONAL DATA

MODEL ARE/ARS	A	B	C	D	E	F	Average Ship Wt. Lbs.
10	21	13	7	2	20	12 3/4	25
12	28	16	8	3	24	15 3/4	42
16	32	18	8 1/2	3	28	19 3/4	55
20	36	20	9 3/4	3	32	23 3/4	75

ACCESSORIES

Solid State Speed Control:

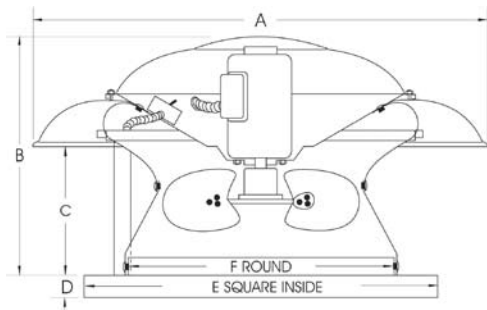
Is matched to the motor and blower wheel to allow continuous reduction in performance allowing adjustments of airflow for system balancing. CFM is reduced in direct proportion to motor speed reduction. Speed control is only available for 115 volt single phase. Exhauster performance can be controlled from the ventilated area.

PERFORMANCE ASSURANCE

- Units are tested in accordance with AMCA 301 (Sound) and AMCA 210 (Air).



LISTED POWER ROOF VENTILATOR
UL STANDARD 705



MODEL ARE/ARS	RECOMMENDED 14" CLIPLOCK MOUNTING CURB		RECOMMENDED DAMPER		115 VOLT SPEED CONTROL
	OD	STOCK NO.	OD	STOCK NO. ARE / ARS	5 AMP STOCK NO.
10	18 1/2	91812221C	14	411014 / S3GA12CB	2727.1
12	22 1/2	92212221C	18	411018 / S3GA18CB	2727.1
16	26 1/2	92612221C	22	411022 / S3GA22CB	2727.1
20	30 1/2	93012221C	26	411026 / S3GA26CB	2727.1

ARE=Exhaust ARS=Supply

SPEED CONTROL 2727.1 MAX 1/3 HP-5 AMP 120V
2828.1 MAX 1/2 HP-10 AMP 120V

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL ARE					Dome Direct Drive Propeller Exhaust Roof Ventilator								Ventilator with Open Drip-proof Motor	
MODEL ARE	MOTOR Hp	MAX BHp	RPM	SONES @ 0 SP	CFM at Static Pressure								115/1/60	208-230/1/60
					0	1/10	1/8	1/4	3/8	1/2	5/8	3/4	STOCK NO.	STOCK NO.
10	1 1/5	0.067	1230+	-	495	322	268	-	-	-	-	-	ARE10IH1AS	N/A
			1390+	-	655	532	498	316	-	-	-	-		
			1550*	4.2	825	730	570	405	-	-	-	-		
12	1/4	0.125	820+	-	793	417	365	-	-	-	-	-	ARE12MM1AS	ARE12MM1CS
			940+	-	1088	914	818	478	375	-	-	-		
			1140*	4.1	1320	1224	1190	730	570	320	-	-		
	1/4	0.250	1030+	-	1173	1035	975	600	-	-	-	-	ARE12MH1AS	ARE12MH1CS
			1375+	-	1566	1450	1430	1163	866	-	-	-		
			1725*	6.1	2000	1857	1840	1760	1570	1160	1060	970		
16	1/4	0.167	685+	-	1226	796	700	-	-	-	-	-	ARE16MM1AS	ARE16MM1CS
			940+	-	1682	1378	1297	926	-	-	-	-		
			1140*	4.5	2040	1796	1730	1400	1110	930	-	-		
	1/3	0.333	1030+	-	1827	1572	1549	1114	-	-	-	-	ARE16PH1AS	ARE16PH1CS
			1375+	-	2439	2187	2149	2045	1704	-	-	-		
			1725*	9.5	3060	2863	2810	2650	2580	2410	2020	1800		
20	1/4	0.25	685+	-	1911	1442	1318	-	-	-	-	-	ARE20MM1AS	ARE20MM1CS
			940+	-	2622	2343	2256	1776	-	-	-	-		
			1140*	6.9	3180	2963	2900	2530	2140	1980	-	-		

* AS RUN SPEED
+ PERFORMANCE USING SPEED CONTROL*

MODEL ARS					Dome Direct Drive Propeller Exhaust Roof Ventilator								Ventilator with Open Drip-proof Motor	
MODEL ARS	MOTOR Hp	MAX BHp	RPM	SONES @ 0 SP	CFM at Static Pressure								115/1/60	208-230/1/60
					0	1/10	1/8	1/4	3/8	1/2	5/8	3/4	STOCK NO.	STOCK NO.
10	1/15	0.067	930+	-	615	423	351	-	-	-	-	-	ARS10IH1AS	N/A
			1230+	-	694	576	547	231	-	-	-	-		
			1550*	4.0	775	644	610	325	-	-	-	-		
12	1/4	0.125	685+	-	769	512	-	-	-	-	-	-	ARS12MM1AS	ARS12MM1CS
			940+	-	882	588	509	-	-	-	-	-		
			1140*	4.1	1070	833	770	440	-	-	-	-		
	1/4	0.250	1030+	-	943	697	588	-	-	-	-	-	ARS12MH1AS	ARS12MH1CS
			1375+	-	1259	1082	1040	706	429	-	-	-		
			1725*	6.1	1580	1433	1400	1230	920	700	470	-		
16	1/4	0.167	685+	-	1309	781	-	-	-	-	-	-	ARS16MM1AS	ARS16MM1CS
			940+	-	1501	895	842	394	-	-	-	-		
			1140*	4.5	1820	1360	1130	920	450	-	-	-		
	1/3	0.333	1030+	-	1505	1171	1069	691	-	-	-	-	ARS16PH1AS	ARS16PH1CS
			1375+	-	2009	1815	1742	1355	1028	-	-	-		
			1725*	9.5	2520	2383	2340	2040	1735	1500	1070	-		
20	1/4	0.25	685+	-	1767	1343	1223	-	-	-	-	-	ARS20MM1AS	ARS20MM1CS
			940+	-	2424	2123	2047	1626	-	-	-	-		
			1140*	6.9	2940	2692	2630	2310	1950	1580	-	-		

* AS RUN SPEED
+ PERFORMANCE USING SPEED CONTROL

Soler & Palau certifies the performance shown herein. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (Air) and AMCA 311 (Sound).

Use 5 AMP Speed Control for motors 1/3 HP and smaller.
Use 10 AMP Speed Control for motors 1/2.



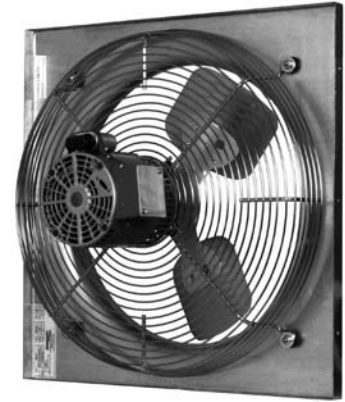
MODEL GED

SIDEWALL DIRECT DRIVE PROPELLER FAN

APPLICATION

GED wall propeller fans feature the maximum efficiency, low maintenance and durable, economical operation resulting from the direct drive design. It is available in exhaust configurations to provide general ventilation for a wide variety of buildings and enclosed areas within buildings. Examples include factories, assembly plants, churches, gymnasiums, garages, jails, machine rooms and many others.

They feature extremely quiet operation and an integral motor side guard as standard.



Motors

- Permanently lubricated sealed ball bearing type.
- Sleeve bearings on low HP models.
- Open drip-proof construction is standard.

Entire Fan Unit

- Suitable for all angle installation.
- Completely assembled and factory tested prior to shipment.



UL STANDARD 705

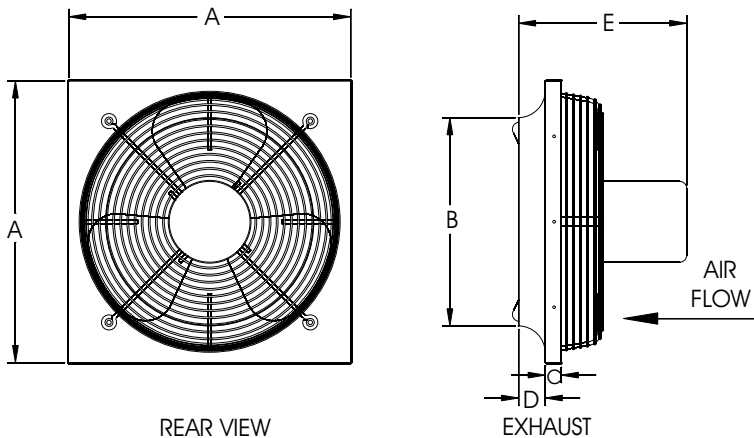
CONSTRUCTION

Panel Assembly

- 16 gauge galvanized steel.
- One piece spun venturi for maximum efficiency.
- Prepunched mounting holes for easy installation.
- Formed flanges for added rigidity.
- Integral OSHA approved motor side guard.

Propeller

- Attached directly to motor shaft for maximum efficiency.
- Precision pitched, fabricated aluminum blades (3 & 4 blade models).
- Polypropylene blades (6 blade models).
- Statically and dynamically balanced.



MODEL GED	115 VOLT SPEED CONTROL	
	5 AMP STOCK NO.	10 AMP STOCK NO.
10	2727.1	N/A
12	2727.1	N/A
14	2727.1	2828.1
16	2727.1	N/A
18	2727.1	2828.1
20	2727.1	2828.1

DIMENSIONAL DATA

MODEL GED/GSD	DIMENSIONS (IN.)						Average Ship Wt. Lbs.
	A	B	C	D	E*	F*	
10	16	10-1/2	1	2	11	9	30
12	16	12-1/2	1	2	14	12	30
14	20	14-1/2	1	2	14	12	34
16	20	16-1/2	1	2	14	12	37
18	24	18-1/2	1	2	15	13	45
20	24	20-1/2	1	2	15	13	50

- A. Outside dimension of square panel.
- B. Diameter of venturi.
- C. Width of flange, 1" for all models.
- D. Depth of venturi, 2" for all models.
- E. Depth of fan (exhaust).
- F. Depth of fan (supply).

* Varies with motor selection.

SPEED CONTROL **2727.1 MAX 1/3 HP-5 AMP 120V**
2828.1 MAX 1/2 HP-10 AMP 120V

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

PROPELLER WALL FANS

MODEL GED					Sidewall Direct Drive Propeller Fan								Ventilator with Open Drip-proof Motor
MODEL GED	MOTOR Hp	RPM	NO. OF BLADES	SONES @ 0 FT.	CFM/BHP at Static Pressure								115/1/60
					0	1/10	1/8	1/4	3/8	1/2	5/8	3/4	STOCK NO.
10	1/10	1550	4	7.8	718/.04	611/.04	561/.04	391/.06	336/.07	290/.08	245/.10	197/.11	GED10JHIAS
12	1/10	1550	4	12.9	1362/.09	1263/.10	1236/.10	990/.11	734/.13	628/.15	-	-	GED12JHIAS
	1/4	1700	4	11.9	1489/.17	1410/.18	1386/.18	1228/.19	966/.20	794/.22	720/.25	660/.27	GED12MHIAS
14	1/4	1700	4	13.1	1967/.20	1862/.22	1837/.23	1704/.24	1431/.26	1142/.29	-	-	GED14MHIAS
	1/2	1700	4	17.1	2533/.36	2410/.38	2376/.38	2160/.40	1866/.41	1509/.42	1414/.46	1299/.50	GED14QHIAS
16	1/4	1140	4	9.5	2467/.20	2245/.21	2159/.22	1734/.23	1347/.26	1102/.29	-	-	GED16MMIAS
	1/3	1700	3	15.8	2634/.27	2516/.29	2482/.29	2287/.32	2050/.34	1719/.36	1477/.39	-	GED16PHIAS
18	1/4	1140	3	10.7	3003/.20	2732/.21	2658/.21	2196/.23	1474/.24	1186/.26	929/.28	-	GED18MMIAS
	1/4	1700	3	15.7	3091/.24	2930/.26	2886/.27	2653/.29	2388/.31	2097/.33	1535/.35	1282/.37	GED18MHIAS
	1/2	1700	3	16.0	3816/.40	3640/.43	3593/.44	3352/.47	3098/.50	2803/.52	2371/.54	1872/.55	GED18QHIAS
20	1/4	1140	3	12.2	3575/.21	3264/.23	3177/.24	2715/.26	1765/.27	-	-	-	GED20MMIAS
	1/2	1700	3	14.1	3460/.23	3285/.27	3242/.27	3006/.31	2727/.35	2362/.39	1945/.45	1676/.53	GED20QHIAS

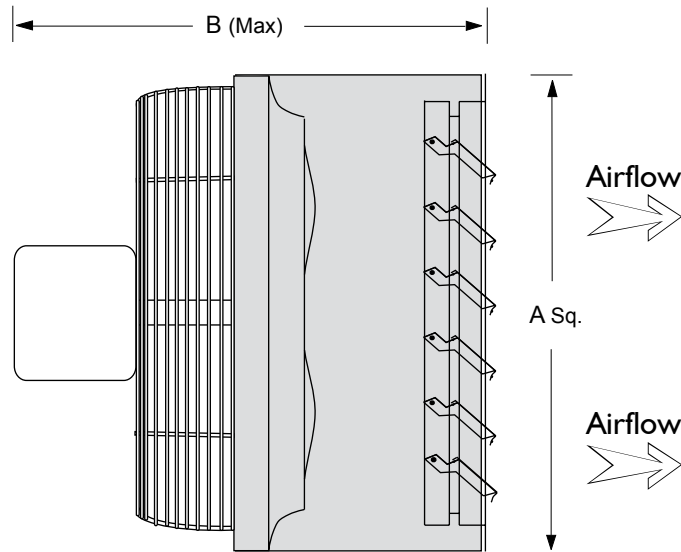
Performance shown is for Model GED without inlet or outlet ducts.

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 free inlet fan sone levels.

Fans use 3 & 4 blade fabricated aluminum propellers.

ASSEMBLED WALL PAK - EXHAUST



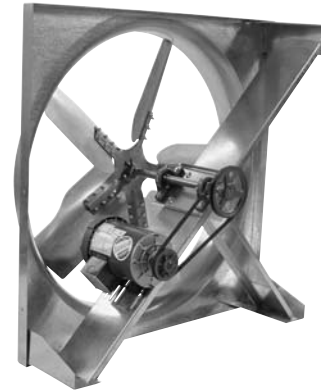
PROPELLER WALL FANS

FACTORY ASSEMBLED EXHAUST FAN - WALL COLLAR - OSHA GUARD - SHUTTER

MODEL GED	WALL PAK - ASSEMBLED FAN/SLEEVE/SHUTTER/OSHA GUARD			
	A	B	WEIGHT (APPROX)	STOCK NO.
10	16	26	80	WCPGED10
12	16	26	85	WCPGED12
14	20	26	90	WCPGED14
16	20	26	95	WCPGED16
18	25	26	110	WCPGED18
20	25	26	120	WCPGED20



MODEL LC SIDEWALL BELT DRIVE PROPELLER FAN



APPLICATION

Model LCE (exhaust) is a high capacity belt driven propeller fan. Its primary application is the exhaust of large volumes of air at relatively low static pressures from commercial, light industrial and agricultural buildings such as manufacturing and assembly plants, warehouses, parking garages, gymnasiums, equipment rooms, distribution centers, poultry and greenhouses.

Belt driven fans provide large volumes of air at low fan speeds and low noise levels and afford quick, easy performance adjustments.

When suspended from the ceiling, thus keeping floor spaces open, model LC can be installed to direct large volumes of air downward toward work centers improving employee comfort and productivity.

CONSTRUCTION

Panel Assembly

- Heavy-gauge galvanized steel.
- All welded motor & drive support frame assembly.
- Prepunched mounting holes.

Propeller

- Die formed galvanized steel blades.
- Epoxy coated hub keyed to fan shaft.
- Statically and dynamically balanced.

Drives

- Sized for minimum 150% of drive horsepower.
- Single belt adjustable pitch sheaves through 3 HP
- Nonstatic v-belts.

Bearings

- Designed for minimum 200,000 hour life.
- Bearings are sealed, prelubricated with relube fittings.

Motors

- Open drip-proof construction is standard.
- All motors mounted and factory run tested.

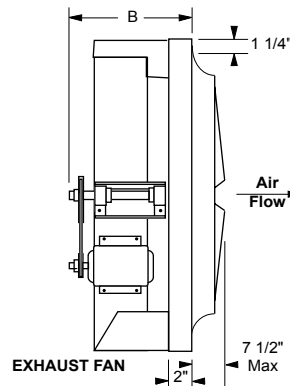
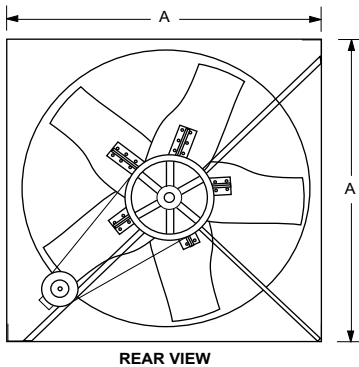


Soler & Palau USA, certifies that the Models LC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



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PROPELLER WALL FANS



DIMENSIONAL DATA

MODEL LC	A	B	C	Average Ship Wt. Lbs	RECOMMENDED SHUTTER		FAN LESS MOTOR & DRIVES	
					OD	STOCK NO.	STOCK NO.	MAX MOTOR Hp
20	24	15	23	85	22 1/2	S3GA20	LCE20LMDS	3/4
24	30	15	23	90	28 1/2	S3GA26	LCE24LMDS	1 1/2
30	36	15	24	100	34 1/2	S3GA32	LCE30LMDS	1 1/2
36	42	15	24	105	40 1/2	S3GA38	LCE36LMDS	2
42	48	16	24	110	46 1/2	S3GA44	LCE42LMDS	2
48	54	16	24	125	52 1/2	S3GA50	LCE48LMDS	2
54	60	20	26	240	58 1/2	S3GA56	LCE54LMDS	3
60	66	20	26	285	64 1/2	S3GA62	LCE60LMDS	3

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL LC					Sidewall Belt Drive Propeller Fan						Ventilator with Open Drip-proof Motor and Drive Assembly	
Model LC	Motor Hp	Max BHP	RPM	SONES @ 0 SP	CFM at Static Pressure						115/1/60*	208-230/460/3/60
					0	1/10	1/8	1/4	3/8	1/2	STOCK NO.	STOCK NO.
20	1/4	0.30	955	11.5	3983	3600	3491	-	-	-	LCE20MHIS	LCE20MHIS
	1/3	0.40	1050	13.5	4379	4038	3941	3312	-	-	LCE20PHIS	LCE20PH3S
	1/2	0.60	1180	16.4	4921	4625	4543	4081	3182	-	LCE20QHIS	LCE20QH3S
	3/4	0.90	1350	20.0	5630	5377	5308	4934	4462	3538	LCE20RHIS	LCE20RH3S
24	1/4	0.30	600	10.2	5331	4652	4431	2269	-	-	LCE24MHIS	LCE24MH3S
	1/3	0.41	660	12.1	5864	5268	5086	3702	-	-	LCE24PHIS	LCE24PH3S
	1/2	0.60	760	15.7	6753	6254	6112	5212	-	-	LCE24QHIS	LCE24QH3S
	3/4	0.90	875	19.8	7775	7352	7237	6562	5600	-	LCE24RHIS	LCE24RH3S
	1	1.20	950	22.0	8441	8057	7953	7369	6625	5559	LCE24SHIS	LCE24SH3S
	1 1/2	1.82	1100	28.0	9774	9447	9361	8894	8347	7688	LCE24THIS	LCE24TH3S
30	1/4	0.30	450	9.0	7365	6062	5572	-	-	-	LCE30MHIS	LCE30MH3S
	1/3	0.40	495	10.5	8101	6954	6603	-	-	-	LCE30PHIS	LCE30PH3S
	1/2	0.59	565	13.3	9247	8271	7995	6052	-	-	LCE30QHIS	LCE30QH3S
	3/4	0.90	650	17.1	10638	9853	9594	8198	-	-	LCE30RHIS	LCE30RH3S
	1	1.20	715	20.0	11702	11021	10802	9659	8052	-	LCE30SHIS	LCE30SH3S
	1 1/2	1.78	815	24.0	13339	12773	12599	11609	10482	9013	LCE30THIS	LCE30TH3S
36	1/3	0.41	390	9.7	10755	8745	7976	-	-	-	LCE36PHIS	LCE36PH3S
	1/2	0.59	440	11.9	12133	10449	9923	-	-	-	LCE36QHIS	LCE36QH3S
	3/4	0.90	505	15.3	13926	12485	12100	9348	-	-	LCE36RHIS	LCE36RH3S
	1	1.19	555	18.1	15305	14018	13663	11419	-	-	LCE36SHIS	LCE36SH3S
	1 1/2	1.79	635	22.0	17511	16413	16111	14497	12146	-	LCE36THIS	LCE36TH3S
	2	2.37	695	25.0	19165	18176	17907	16499	14594	12363	LCE36VHIS	LCE36VH3S
42	1/3	0.41	305	8.4	13173	9658	8439	-	-	-	LCE42PHIS	LCE42PH3S
	1/2	0.60	345	9.8	14901	12109	11073	-	-	-	LCE42QHIS	LCE42QH3S
	3/4	0.90	395	12.6	17060	14724	14044	7292	-	-	LCE42RHIS	LCE42RH3S
	1	1.20	435	14.9	18788	16703	16128	12182	-	-	LCE42SHIS	LCE42SH3S
	1 1/2	1.81	500	18.8	21596	19833	19339	16470	11827	-	LCE42THIS	LCE42TH3S
	2	2.40	550	22.0	23755	22182	21746	19393	16034	-	LCE42VHIS	LCE42VH3S
48	1/2	0.62	290	10.0	17979	13841	12199	-	-	-	LCE48QHIS	LCE48QH3S
	3/4	0.91	330	12.1	20459	16949	15969	-	-	-	LCE48RHIS	LCE48RH3S
	1	1.23	365	14.3	22629	19504	18659	10868	-	-	LCE48SHIS	LCE48SH3S
	1 1/2	1.82	415	17.8	25729	23054	22306	17746	-	-	LCE48THIS	LCE48TH3S
	2	2.39	455	21.0	28209	25800	25148	21574	15382	-	LCE48VHIS	LCE48VH3S
54	3/4	0.92	270	11.0	23384	-	17932	-	-	-	LCE54RHIS	LCE54RH3S
	1	1.20	295	13.1	25550	-	20825	-	-	-	LCE54SHIS	LCE54SH3S
	1 1/2	1.84	340	16.8	29447	-	25449	19183	-	-	LCE54THIS	LCE54TH3S
	2	2.38	370	19.4	32045	-	28375	23692	-	-	LCE54VHIS	LCE54VH3S
	3	3.60	425	24.0	36809	-	33585	30290	24785	15677	N/A	LCE54WH3S
60	1	1.21	265	11.5	28491	-	22275	-	-	-	LCE60SHIS	LCE60SH3S
	1 1/2	1.75	300	14.3	32254	-	27023	-	-	-	LCE60THIS	LCE60TH3S
	2	2.44	335	17.1	36017	-	31464	25399	-	-	LCE60VHIS	LCE60VH3S
	3	3.56	380	21.0	40855	-	36826	32244	29351	-	N/A	LCE60WH3S

Performance ratings include the effects of appurtenances (accessories).

Power ratings (BHP) do not include transmission losses.

Performance certified is for installation type A-free inlet, free outlet.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301.

Values shown are for installation Type A-Free inlet fan sone levels.

***Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery.**

575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

Refer to pages 54 & 55 for Accessories.

PROPELLER WALL FANS



MODEL L2 HEAVY DUTY SIDEWALL BELT DRIVE PROPELLER FAN

APPLICATION

Model L2E (exhaust) is a heavy duty construction level 2 high capacity wall mounted belt driven propeller fan. Its primary application is the exhaust of large volumes of ventilation air from commercial and light industrial buildings such as manufacturing and assembly plants, warehouses, parking garages, gymnasiums, equipment rooms, distribution centers and OEM applications.

Wall mounting provides an easy, and economical installation. Belt driven fans provide large volume of air at low fan speed and low noise levels and afford quick, easy performance adjustments.



Bearings

- Designed for minimum 200,000 hour life.
- Bearings are sealed, prelubricated with relube fittings.

Motors

- Open drip-proof construction is standard.
- All motors mounted and factory run tested.

CONSTRUCTION

Panel Assembly

- Heavy-gauge galvanized steel.
- All welded motor & drive support frame assembly.
- Prepunched mounting holes.

Propeller

- Die formed galvanized steel blades.
- Lamination reinforced blades for 3 HP and up.
- Epoxy coated hub keyed to fan shaft.
- Statically and dynamically balanced.

Drives

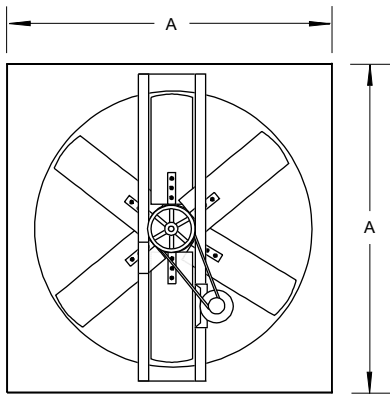
- Sized for minimum 150% of drive horsepower.
- Single belt adjustable pitch sheaves through 3 HP.
- Two belt fixed pitch sheaves 5 HP and up.
- Nonstatic v-belts.



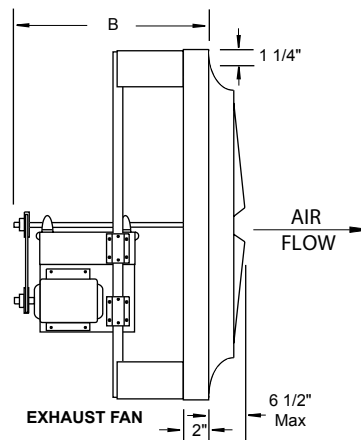
Soler & Palau USA, certifies that the Models L2 shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



UL STANDARD 705



REAR VIEW



EXHAUST FAN

DIMENSIONAL DATA

MODEL L2	A	B	C	Average Ship Wt. Lbs	RECOMMENDED SHUTTER		FAN LESS MOTOR & DRIVES	
					OD	STOCK NO.	STOCK NO.	MAX MOTOR Hp
24	30	22	26	120	28 1/2	S3GA26	L2E24LMDS	2
30	36	22	26	180	34 1/2	S3GA32	L2E30LMDS	3
36	42	22	26	215	40 1/2	S3GA38	L2E36LMDS	5
42	48	22	26	235	46 1/2	S3GA44	L2E42LMDS	5
48	54	22	26	300	52 1/2	S3GA50	L2E48LMDS	5
54	60	22	26	400	58 1/2	S3GA56	L2E54LMDS	5
60	66	24	28	490	64 1/2	S3GA62	L2E60LMDS	5

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

PROPELLER WALL FANS

MODEL L2				Heavy Duty Sidewall Belt Drive Propeller Fan									Ventilator with open Drip-proof Motor and Drive Assembly		
MODEL LC	MOTOR Hp	MAX BHp	RPM	SONES @ 0 SP	CFM at Static Pressure								115/1/60*	208-230/460/3/60	
					0	1/10	1/8	1/4	3/8	1/2	5/8	3/4	STOCK NO.	STOCK NO.	
24	1/4	0.30	575	12.2	5661	4559	4098	-	-	-	-	-	-	L2E24MH3S	N/A
	1/3	0.40	630	16.3	6203	5255	4926	-	-	-	-	-	-	L2E24PH3S	L2E24PH3S
	1/2	0.60	700	19.0	6892	6090	5822	3568	-	-	-	-	-	L2E24QH3S	L2E24QH3S
	3/4	0.90	815	24.0	8024	7350	7177	5827	3807	-	-	-	-	L2E24RH3S	L2E24RH3S
	1	1.20	910	29.0	8960	8347	8205	7220	5246	-	-	-	-	L2E24SH3S	L2E24SH3S
	1 1/2	1.80	1045	38.0	10289	9742	9620	8905	7880	5900	-	-	-	L2E24TH3S	L2E24TH3S
	2	2.37	1145	51.0	11273	10766	10652	10065	9237	8108	6204	-	-	L2E24VH3S	L2E24VH3S
30	1/3	0.40	505	10.7	8075	6895	6481	-	-	-	-	-	-	L2E30PH3S	N/A
	1/2	0.60	585	14.4	9354	8345	8087	-	-	-	-	-	-	L2E30QH3S	L2E30QH3S
	3/4	0.90	670	19.2	10713	9850	9614	8101	-	-	-	-	-	L2E30RH3S	L2E30RH3S
	1	1.20	735	22.0	11752	10978	10766	9637	7679	-	-	-	-	L2E30SH3S	L2E30SH3S
	1 1/2	1.80	845	27.0	13511	12851	12673	11760	10510	-	-	-	-	L2E30TH3S	L2E30TH3S
	2	2.40	930	32.0	14870	14278	14119	13284	12435	11029	-	-	-	L2E30VH3S	L2E30VH3S
	3	3.60	1070	44.0	17109	16601	16467	15761	15038	14279	-	-	-	N/A	L2E30WH3S
36	1/2	0.60	390	11.1	10970	9394	8667	-	-	-	-	-	-	L2E36QH3S	L2E36QH3S
	3/4	0.90	450	14.3	12658	11390	10989	7800	-	-	-	-	-	L2E36RH3S	L2E36RH3S
	1	1.20	495	16.8	13923	12779	12478	9893	-	-	-	-	-	L2E36SH3S	L2E36SH3S
	1 1/2	1.79	565	21.0	15892	14885	14639	12841	10235	-	-	-	-	L2E36TH3S	L2E36TH3S
	2	2.39	620	24.0	17439	16514	16293	14967	12697	10376	-	-	-	L2E36VH3S	L2E36VH3S
	3	3.60	715	30.0	20112	19297	19105	18119	16679	14623	12500	-	-	N/A	L2E36WH3S
	5	5.97	845	40.0	23768	23067	22902	22090	21214	20010	18237	16588	-	N/A	L2E36XH3S
42	1/3	0.40	300	8.1	11062	8381	7206	-	-	-	-	-	-	L2E42PH3S	L2E42PH3S
	1/2	0.60	345	10.0	12722	10621	9901	-	-	-	-	-	-	L2E42QH3S	L2E42QH3S
	3/4	0.90	395	13.0	14566	12972	12316	7124	-	-	-	-	-	L2E42RH3S	L2E42RH3S
	1	1.20	435	15.7	16041	14664	14206	10877	-	-	-	-	-	L2E42SH3S	L2E42SH3S
	1 1/2	1.81	495	19.6	18253	17088	16750	14366	9983	-	-	-	-	L2E42TH3S	L2E42TH3S
	2	2.42	550	23.0	20281	19253	18969	17006	14360	9183	-	-	-	L2E42VH3S	L2E42VH3S
	3	3.60	625	28.0	23047	22156	21918	20531	18517	15977	11312	7195	-	N/A	L2E42WH3S
5	6.07	745	38.0	27472	26734	26542	25513	24222	22500	20666	18311	-	N/A	L2E42XH3S	
48	1/2	0.60	280	9.3	15740	12285	10907	-	-	-	-	-	-	L2E48QH3S	L2E48QH3S
	3/4	0.90	320	11.9	17989	15300	14290	-	-	-	-	-	-	L2E48RH3S	L2E48RH3S
	1	1.23	355	14.6	19957	17701	16908	11386	-	-	-	-	-	L2E48SH3S	L2E48SH3S
	1 1/2	1.8	405	18.2	22767	20884	20322	16184	-	-	-	-	-	L2E48TH3S	L2E48TH3S
	2	2.40	445	21.0	25016	23331	22864	19608	15192	-	-	-	-	L2E48VH3S	L2E48VH3S
	3	3.62	510	27.0	28670	27222	26838	24479	21054	17098	-	-	-	N/A	L2E48WH3S
	5	6.13	605	35.0	34010	32802	32491	30811	28571	25707	22582	14450	-	N/A	L2E48XH3S
54	1	1.20	300	13.3	24300	-	19435	-	-	-	-	-	-	L2E54SH3S	L2E54SH3S
	1 1/2	1.82	345	15.9	27945	-	24009	17977	-	-	-	-	-	L2E54TH3S	L2E54TH3S
	2	2.42	380	18.1	30780	-	27250	22110	12875	-	-	-	-	L2E54VH3S	L2E54VH3S
	3	3.63	435	22.0	35235	-	32123	28662	23500	-	-	-	-	N/A	L2E54WH3S
	5	6.04	515	29.0	41715	-	38988	36487	33144	28610	24012	-	-	N/A	L2E54XH3S
60	1	1.21	270	11.3	27681	-	20986	-	-	-	-	-	-	L2E60SH3S	L2E60SH3S
	1 1/2	1.83	310	14.2	31782	-	26280	18376	-	-	-	-	-	L2E60TH3S	L2E60TH3S
	2	2.22	330	15.8	33833	-	28744	21569	-	-	-	-	-	L2E60VH3S	L2E60VH3S
	3	3.64	390	21.0	39984	-	35821	30912	24209	-	-	-	-	N/A	L2E60WH3S
	5	5.98	460	27.0	47161	-	43618	39830	35125	29479	-	-	-	N/A	L2E60XH3S

Performance ratings include the effects of appurtenances (accessories).

Power ratings (BHP) do not include transmission losses.

Performance certified is for installation type A-free inlet, free outlet.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301.

Values shown are for installation Type A-Free inlet fan sone levels.

***Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery.**

575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

Refer to pages 54 & 55 for Accessories.

PROPELLER WALL FANS



MODEL RCXII GRAVITY RELIEF/INTAKE VENTILATOR



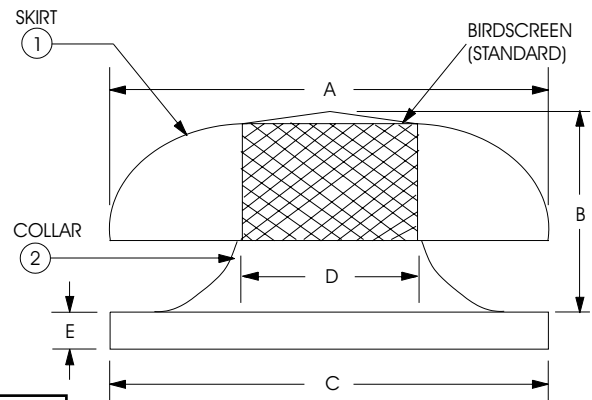
APPLICATION

Relief and intake ventilators are used to exhaust (relief) or supply (intake) air from or to an enclosed area without the need for a power operated fan. They rely on a difference in static pressure inside and outside the area to create an air flow through the ventilator from the area of higher pressure to the area of lower pressure. If the enclosed area is under a negative pressure, air will flow into the enclosed area (intake). If the enclosed area has a positive pressure, air will flow from it to the outside (relief).

These units can also operate as gravity ventilators, allowing air to flow from an enclosed area using the "Stack Effect". The amount of air flow will depend on the temperature difference inside and outside the area and the height difference between the ventilator and the outside air intake to the area.

CONSTRUCTION

- Low contour spun aluminum hood for attractive appearance.
- All heavy-gauge aluminum construction.
- Weather resistant design for long life and maintenance free operation.
- Galvanized bird screen is standard.
- One piece curb with spun inlet for maximum efficiency.
- Shipped completely assembled for ease in installation.



DIMENSIONAL DATA

MODEL RCXII	NECK AREA SQ. FT.	A	B	C	D	E	Average Ship Wt. Lbs.
8	0.39	22	8	16 1/2	8 1/2	2	10
10	0.59	22	8	16 1/2	10 1/2	2	15
12	0.85	22	8 3/8	24	12 1/2	2	24
15	1.23	22	8 3/8	24	15	2	24
18	1.89	32 3/4	12 1/2	29 1/2	18 5/8	2	35
20	2.18	32 3/4	12 1/2	29 1/2	20	2	35
24	3.30	43 3/4	12 1/2	35 1/2	24 5/8	2	57
26	3.69	43 3/4	17 3/8	35 1/2	26	2	57
30	5.16	43 3/4	17 3/8	42 1/2	30 3/4	2	75
33	5.94	54 3/4	17 3/8	42 1/2	33	2	75
36	7.06	54 3/4	17 3/8	42 1/2	36	2	90

MODEL RCXII	14" HIGH CLIPLOCK ROOF CURB		115V MOTORIZED DAMPER		AUTOMATIC GRAVITY DAMPER	
	OD	STOCK NO.	OD	STOCK NO.	OD	STOCK NO.
8-10	14 3/4	611214C	8	2401.M0808	8	2401.0808
12-15	22 1/4	611222C	15	2401.M1515	15	2401.1515
18-20	27 1/4	611227C	21	2401.M2121	21	2401.2121
24-26	33 3/4	611233C	27	2401.M2727	27	2401.2727
30-33-36	40 3/4	611240C	34	2401.M3434	34	2401.3434

Dampers and motor kits ship separate - for field assembly.

CAUTION: Motors are not suitable for explosive or flammable environments

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER. DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL RCXII		Gravity Relief Ventilator								
MODEL RCXII	THROAT AREA FT. ²	CFM Static Pressure								STOCK NO.
		.03	.06	.09	.125	.150	.20	.25	.30	
8	0.39	181	256	314	370	405	468	523	573	RCXII08S
10	0.59	274	387	475	559	613	708	791	867	RCXII10S
12	0.85	395	558	684	806	883	1020	1140	1250	RCXII12S
15	1.23	572	808	990	1166	1278	1538	1649	1808	RCXII15S
18	1.89	879	1242	1521	1792	1963	2268	2534	2778	RCXII18S
20	2.18	1014	1432	1755	2067	2265	2616	2923	3205	RCXII20S
24	3.30	1535	2168	2656	3128	3429	3960	4425	4851	RCXII24S
26	3.69	1716	2424	2970	3498	3834	4428	4948	5424	RCXII26S
30	5.16	2399	3390	4154	4892	5361	6192	6920	7585	RCXII30S
33	5.94	2762	3903	4782	5631	6172	7128	7966	8732	RCXII33S
36	7.06	3283	4638	5683	6693	7335	8472	9467	10378	RCXII36S

MODEL RCXII		Gravity Intake Ventilator								
MODEL RCXII	THROAT AREA FT. ²	CFM Static Pressure								STOCK NO.
		.03	.06	.09	.125	.150	.20	.25	.30	
8	0.39	163	229	282	332	364	420	469	514	RCXII08S
10	0.59	246	347	426	502	549	634	710	777	RCXII10S
12	0.85	354	501	614	723	792	915	1023	1119	RCXII12S
15	1.23	513	724	888	1047	1146	1323	1479	1620	RCXII15S
18	1.89	788	1113	1365	1608	1761	2033	2274	2489	RCXII18S
20	2.18	909	1284	1574	1855	2032	2346	2623	2871	RCXII20S
24	3.30	1376	1944	2383	2808	3076	3551	3969	4346	RCXII24S
26	3.69	1539	2173	2664	3140	3439	3970	4439	4860	RCXII26S
30	5.16	2152	3039	3726	4391	4809	5552	6207	6796	RCXII30S
33	5.94	2476	3499	4289	5055	5536	6391	7146	7823	RCXII33S
36	7.06	2944	4158	5097	6008	6580	7597	8493	9298	RCXII36S

Shaded selections are over recommended 650 FPM. Pick next larger size or use optional weather screen.

Insect Screens - Add .10 to area shown in table.

Damper - Add .10 to area shown in table.

GRAVITY VENTILATORS



MODEL FF/FFC

CEILING AND INLINE/CABINET VENTILATORS



APPLICATION

The extremely quiet FF and FFC ventilators are used to exhaust air from a variety of commercial and institutional applications, such as restrooms, conference rooms, offices, storage areas, restaurants, retail stores, schools, and similar buildings...anywhere quiet, high-capacity ventilation is needed.

The forward curved centrifugal wheel with its high static pressure capability makes these ventilators suitable for either ducted or nonducted applications. They include removable blower assemblies and plug-in permanently lubricated motors for ease of servicing and cleaning.



Soler & Palau USA, certifies that the Models FF/FFC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

CEILING/CABINET FANS

MODEL FF		Ceiling Ventilator											Ventilator with Motor, Grill & Backdraft Damper		
MODEL FF	AMPS @ 60HZ/ WATTS	RPM @ 1/8	CFM / Sones at Static Pressure											Average Ship Wt. Lbs	120/1/60 STOCK NO.
			0	1/10	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1			
50	0.8/48	1870	52	49	47	42	29	-	-	-	-	-	4	FF50	
			3.9	4.3	4.4	4.6	5.5	-	-	-	-	-			
80	0.75/48	1280	89	81	80	68	36	-	-	-	-	-	7	FF80	
			3.9	3.8	3.8	3.8	3.9	-	-	-	-	-			
100	1.1/87	640	136	115	109	93	80	65	44	12	-	-	23	FF100	
			0.5	0.8	0.9	1.3	1.8	2.3	3.0	3.2	-	-			
150	1.3/100	710	181	161	157	141	132	124	114	94	62	-	23	FF150	
			1.3	1.4	1.5	2.2	2.6	3.1	3.6	4.1	4.6	-			
200	1.8/127	740	231	214	210	196	186	177	165	144	113	51	23	FF200	
			1.6	1.8	1.7	2.3	2.9	3.5	4.1	4.9	5.3	5.3			
250	2.1/166	830	272	261	259	250	242	233	218	201	165	99	23	FF250	
			2.1	2.3	2.2	2.9	3.3	3.9	4.4	4.8	5.5	5.8			
300	2.6/212	905	312	309	308	303	296	287	273	254	219	125	23	FF300	
			2.8	2.9	2.9	3.3	3.5	3.9	4.3	4.7	5.1	5.6			
400	1.4/146	735	480	442	434	388	344	299	229	182	114	33	34	FF400	
			2.0	2.4	2.3	2.8	3.3	3.8	4.5	4.8	5.4	5.6			
500	2.2/232	810	538	520	514	491	463	434	389	339	282	186	34	FF500	
			3.0	3.1	3.3	3.6	4.0	4.4	5.0	5.7	6.2	6.7			
700	2.9/313	960	722	704	701	667	640	607	571	534	453	333	34	FF700	
			4.5	4.6	4.7	4.8	5.0	5.2	5.6	6.2	7.1	7.2			
900	3.0/306	650	918	905	901	877	842	793	725	636	536	390	64	FF900	
			3.8	4.0	4.1	4.0	4.2	4.3	4.4	4.9	4.5	5.3			
1500	5.0/468	955	1578	1526	1513	1438	1371	1285	1198	1103	1000	816	64	FF1500	
			8.6	8.4	8.4	8.1	7.5	7.0	6.7	6.2	5.8	5.8			

Performance ratings include the effects of inlet grille and backdraft damper in the airstream. Speed (RPM) shown is normal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type B: free inlet fan sone levels. Performance certified is for installation Type B: Free inlet, Ducted outlet.

DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

CONSTRUCTION

Housing

- Rugged, 20 gauge galvanized steel.
- Duct connector.
- 1/2" acoustic insulation inside (except FF50, FF80 & FFC's).
- Integral automatic backdraft damper.
- Easy inline conversion available (FF100-FF1500).
- Mounting brackets for easy installation and adaptability to numerous mounting requirements.
- Factory shipped in horizontal discharge position easily converted to vertical discharge.
- FFC inline units have a removable panel which allows for easy motor access without disturbing duct work.

Blower

- Low RPM for quiet operation, speed controllable.
- Resilient anti-vibration mounts (FF50 & FF80 rigid mount).
- Balanced, polymeric, centrifugal blower wheel for quiet, efficient performance. (Metal wheel on FFC2000 & FFC3500).
- Permanently lubricated, thermally protected motor.
- Plug in motor designed for continuous operation.

Grill

- Conceals interior.
- Low profile styling, blends with any decor.
- White polymeric (FF50 - FF300).
- Metal finished with white enamel (FF400 - FF1500).

ACCESSORIES

- Complete selection available, see pages 47-48.



Soler & Palau USA, certifies that the Models FF/FFC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

MODEL FFC		Inline/Cabinet Ventilators											Ventilator with Motor and Duct Connectors						
MODEL FFC	AMPS @ 60HZ/ WATTS	RPM @ 1/8	CFM / Sones at Static Pressure										Average Ship Wt. Lbs.	120/1/60 STOCK NO.					
			0	1/10	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1							
100	1.0/87	760	121	108	106	97	93	86	70	44	17	-	23	FFC100					
			0.5	0.7	0.7	1.1	1.4	1.8	2.1	2.4	2.6	-							
150	1.3/100	920	153	148	147	140	134	125	111	91	54	18		34	FFC150				
			0.9	1.0	1.1	1.4	1.6	1.9	2.1	2.2	2.4	2.6							
200	1.8/127	865	205	196	195	190	185	175	158	135	96	47			64	FFC200			
			1.7	1.9	1.9	2.1	2.3	2.4	3.0	3.3	3.4	3.4							
250	2.1/166	1005	248	245	245	241	235	224	208	183	141	84				64	FFC250		
			2.0	2.3	2.3	2.8	2.8	3.2	3.4	3.6	3.9	3.8							
300	2.6/212	1145	300	294	293	285	274	259	243	214	168	113					64	FFC300	
			2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	4.0	3.9							
400	1.4/146	775	450	415	406	360	313	271	223	167	90	6.0						64	FFC400
			1.4	1.6	1.6	1.9	2.2	2.6	2.9	3.4	3.6	3.9							
500	2.2/232	890	546	526	519	496	472	447	407	364	306	232	64						FFC500
			2.4	2.4	3.4	3.7	3.9	3.8	3.9	4.0	4.3	4.3							
700	2.9/313	1090	704	686	681	656	631	604	575	533	480	412		64					FFC700
			3.6	3.8	3.7	3.9	4.0	4.2	4.3	4.4	4.7	5.0							
900	3.0/306	810	930	902	894	853	807	754	685	587	442	300			64				FFC900
			3.7	3.8	3.8	3.8	3.7	3.8	3.9	4.0	4.0	4.1							
1500	5.0/468	1055	1275	1228	1214	1152	1092	1029	958	871	764	631				64			FFC1500
			6.8	6.8	6.7	6.5	6.3	6.0	6.0	6.0	6.0	6.1							

Performance ratings include the effects of backdraft damper in the airstream. Speed (RPM) shown is normal. Performances based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5" (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for installation Type D. Ducted inlet, Ducted outlet. Ratings do not include the effect of duct end correction. Performance ratings include the effects of 18 feet of round inlet duct and, if needed, a rectangular to round duct transition in the airstream. Performance certified is for Installation Type D; Ducted inlet, Ducted outlet.

MODEL FFC		Inline / Cabinet Ventilators										Ventilator with Motor and Duct Connectors			
MODEL FFC	AMPS @ 60HZ/ WATTS	RPM @ 1/8	CFM / Sones at Static Pressure										Average Ship Wt. Lbs.	120/1/60 STOCK NO.	240/1/60 STOCK NO.
			0	1/10	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1			
2000	5.8/590	965	1891	1803	1791	1657	1508	1347	1165	808	284	-	92	FFC2000	N/A
			10.3	9.8	9.4	9.0	8.6	9.1	8.9	7.0	6.7	-			
3500	5.4/1205	1105	3605	3498	3452	3278	3073	2893	2679	2429	2093	1693	139	N/A	FFC3500ICS
			15.3	14.8	14.5	14.1	13.1	12.8	12.1	11.8	11.9	10.8			

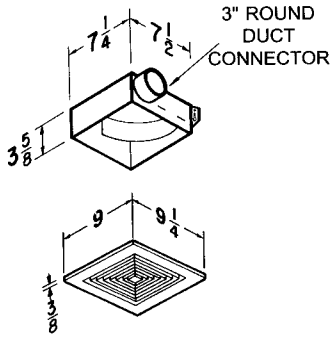
Performance ratings do not include the effects of appurtenances in the airstream. Speed (RPM) shown is normal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA Std. 301. Values shown are for installation Type D: Ducted inlet, Ducted outlet. Ratings do not include the effect of duct end correction. Performance certified is for Installation Type D; Ducted inlet, Ducted outlet.

DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

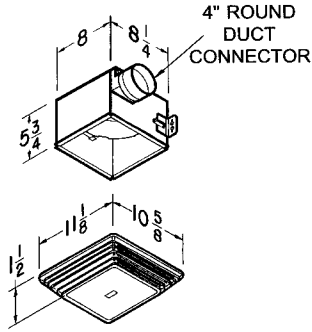
CEILING/CABINET FANS

DIMENSIONAL DATA - CEILING VENTILATOR

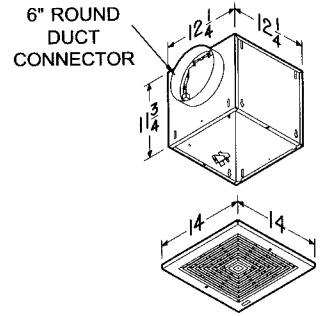
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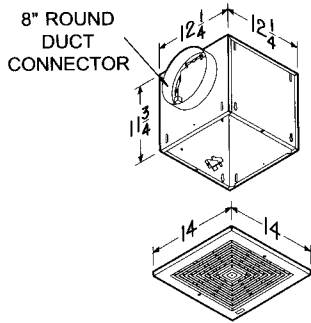
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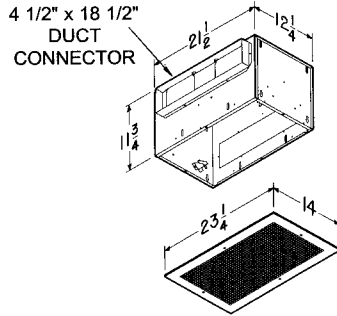
FF100 & 150



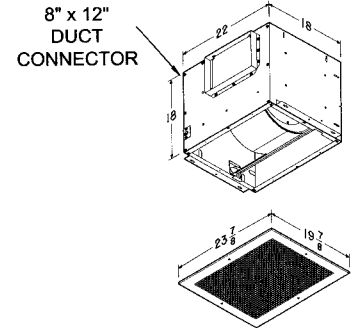
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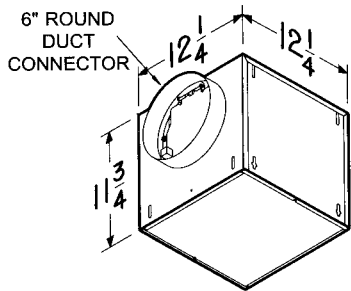
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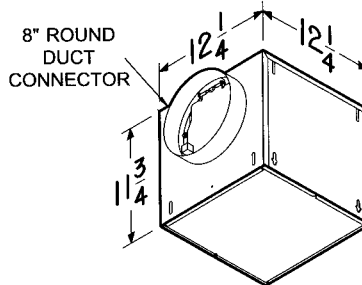
CEILING/CABINET FANS

Inline/Cabinet Ventilator

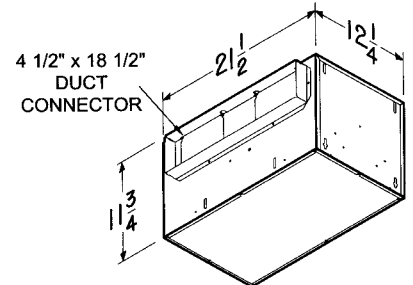
FFC100 & 150



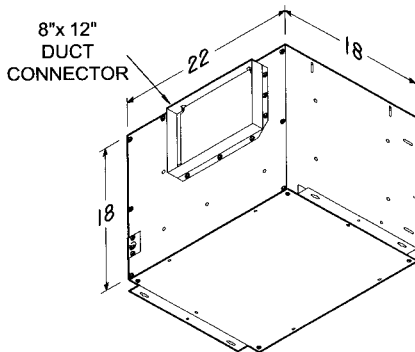
FFC200, 250 & 300



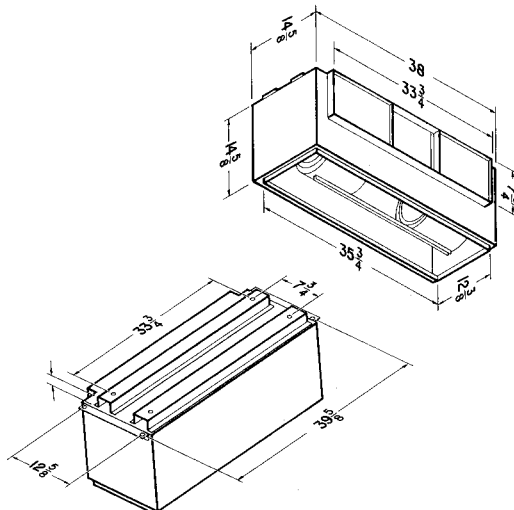
FFC400, 500 & 700



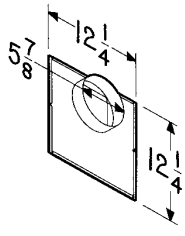
FFC900 & 1500



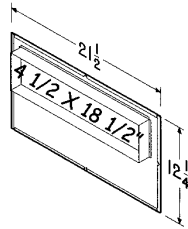
FFC2000



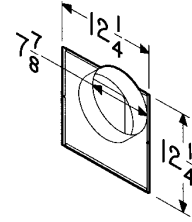
ACCESSORIES



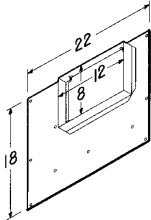
- 961L In-Line Adaptor Kit**
- Galvanized steel
 - Fits FF100 & FF150
 - For 6" round duct intake



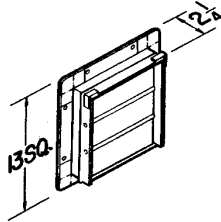
- 982L In-Line Adaptor Kit**
- Galvanized steel
 - Fits FF400, FF500 & FF700
 - 4 1/2 x 18 1/2" duct intake



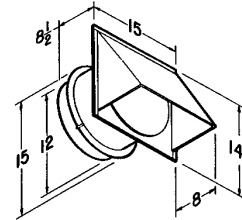
- 981L In-Line Adaptor Kit**
- Galvanized steel
 - Fits FF200, FF250 & FF300
 - For 8" round duct intake



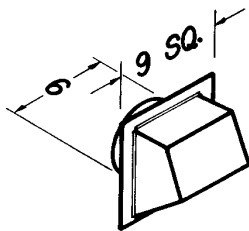
- 983 In-Line Adaptor Kit**
- Galvanized steel
 - Fits FF900 & FF1500
 - 8" x 12" round duct intake



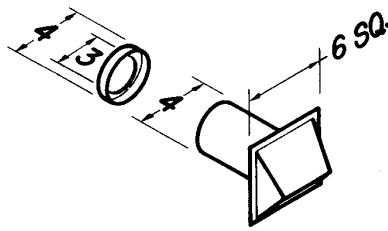
- Model 441 Wall Cap**
- Gravity dampers
 - Collar with birdscreen for attaching 10" round duct
 - Steel construction with aluminum louvers



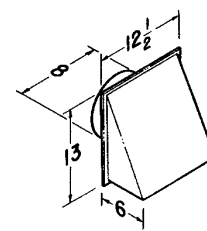
- Model 613 Wall Cap**
- High Capacity
 - Built-in backdraft damper & birdscreen
 - Aluminum natural finish
 - For 12" round duct



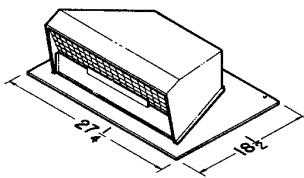
- Model 641 Wall Cap**
- Aluminum natural finish
 - Built-in backdraft damper & birdscreen
 - For 6" round duct



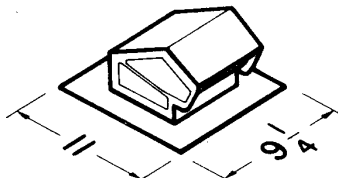
- Model 642 Wall Cap**
- Aluminum natural finish
 - Built-in backdraft damper & birdscreen
 - For 3" or 4" round duct (4" to 3" transition included)



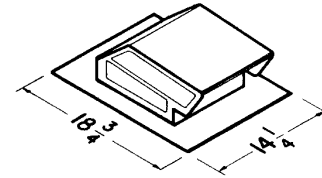
- Model 643 Wall Cap**
- Aluminum natural finish
 - Built-in backdraft damper
 - For 8" round duct



- Model 437 Roof Cap**
- High capacity design - up to 1200 CFM
 - Built-in birdscreen
 - Steel, black electrically - bonded epoxy finish



- Model 636 Roof Cap**
- Black electrically - bonded epoxy finish
 - Built-in backdraft damper & birdscreen
 - For 3" or 4" round duct

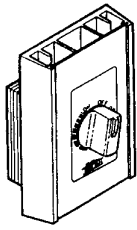


- Model 634 Roof Cap**
- Black electrically - bonded epoxy finish
 - Built-in backdraft damper & birdscreen
 - For 3 1/4" x 10" or up to 8" round duct

Model 636AL - Aluminum

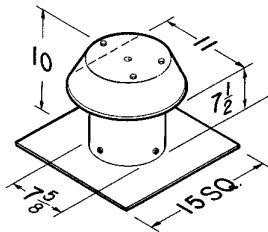
Model 644 - Aluminum

ACCESSORIES



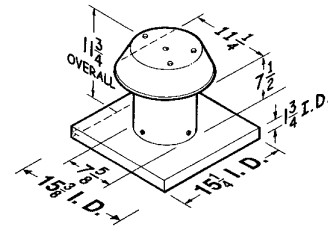
Speed Control

- Adjust speed from 100 to 50%
- 3 amp, 5 amp & 10 amp - 120V
- 6 amp - 240V



Model 611 Flat Roof Cap

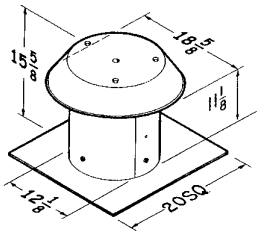
- For flat roof installation
- Aluminum - natural finish
- Built-in birdscreen
- For up to 8" round duct



Model 611CM

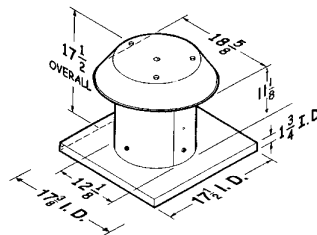
Curb Mount Roof Cap

- For curb mount installation
- Aluminum - natural finish
- Built-in birdscreen
- For up to 8" round duct



Model 612 Flat Roof Cap

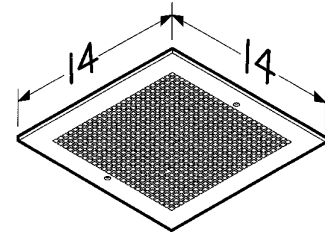
- For flat roof installation
- Aluminum - natural finish
- Built-in birdscreen
- For up to 12" round duct



Model 612CM

Curb Mount Roof Cap

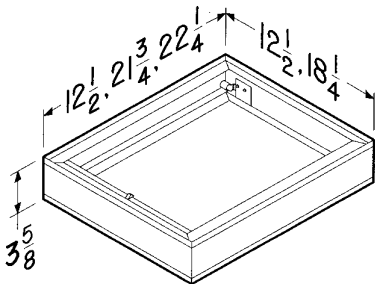
- For curb mount installation
- Aluminum - natural finish
- Built-in birdscreen
- For up to 12" round duct



Model MG 1 Metal Grill Kit

- White enamel painted steel
- Mounting screws included
- Fits FF100, FF150, FF200, FF250 & FF300

CEILING/CABINET FANS

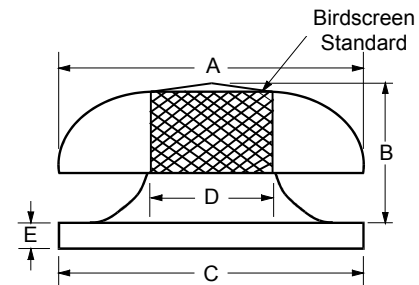
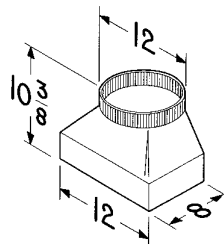
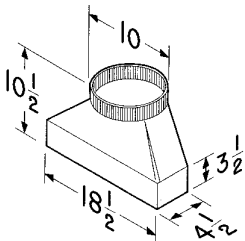


Models RD1, RD2 & RD3 Radiation Dampers

- UL rated for use in 1, 2 or 3 hour rated floor-ceiling, roof-ceiling design
- Galvanized steel frame
- High temperature, non-asbestos, reinforced fiber thermal fabric
- 212°F fusible link
- Stainless steel negator-type closure spring
- RD1 (12 1/4" x 12 1/4") fits FF100 - FF300
- RD2 (21 1/2" x 18") fits FF400 - FF700
- RD3 (22" x 18") fits FF900 - FF1500

Models 423 & T81212 Duct Transitions

- Galvanized steel
- Allows for quick transition to easy-to-obtain-and-install round ducting
- 423 (4 1/2" x 18" to 10 round) for use with FF400 thru FF700
- T81212 (8" x 12" to 12" round) for use with FF900 and FF1500



Model RCXII - 18" and 20" units

Size	A	B	C	D	E	Est. Wt.
18	32 3/4	12 1/2	29 1/2	18 5/8	2	35
20	32 3/4	12 1/2	29 1/2	20	2	35

MODEL FF/FFC

Optional Accessory Compatibility Chart

Ceiling & Inline/Cabinet Ventilators

STOCK NO.	CEILING MOUNT MODEL FF							IN-LINE/CABINET MODEL FFC						
	FF50 FF80	FF100 FF150	FF200 FF250 FF300	FF400 FF500	FF700	FF900	FF1500	FFC100 FFC150	FFC200 FFC250 FFC300	FFC400 FFC500 FFC700	FFC900	FFC1500	FFC2000	FFC3500
2727.1 (5 AMP 120V)	X	X	X	X			X	X						
2828.1 (10AMP 120V)		X	X	X	X	X	X	X	X	X	X	X	X	
75V (240V)		X	X	X	X	X								X
ROOF CAPS														
437				X	X				X					
611,611 CM	X	X	X					X	X					
612,612CM		X	X	X	X	X	X	X	X	X	X	X	X	
634		X	X					X	X					
636	X													
RCX II - 18													X	
RCX II - 20													X	X
WALL CAPS														
441				X	X				X					
613						X	X				X	X		
641		X						X						
642	X													
643			X						X					
IN-LINE ADAPTERS														
961L		X												
981L			X											
982L				X	X									
983L						X	X							
UL RADIATION DAMPERS														
RD1		X	X											
RD2				X	X									
RD3						X	X							
METAL GRILL KIT														
G102													X	
G103														X
MG1		X	X											
DUCT TRANSITIONS														
423				X	X				X					
T81212						X	X				X	X		
DAMPER KITS														
DI00													X	
DI01														X
VIBRATION DAMPENING HANGERS (4)														
v102		X	X	X	X	X	X	X	X	X	X	X		
HEAVY DUTY														
v104		X	X	X	X	X	X	X	X	X	X	X	X	X

CEILING/CABINET FANS

For availability of accessories from stock - refer to the price list or contact your sales representative.

ROOF VENTILATOR ACCESSORIES

CLIPLOCK 1000 ROOF CURB

FEATURES:

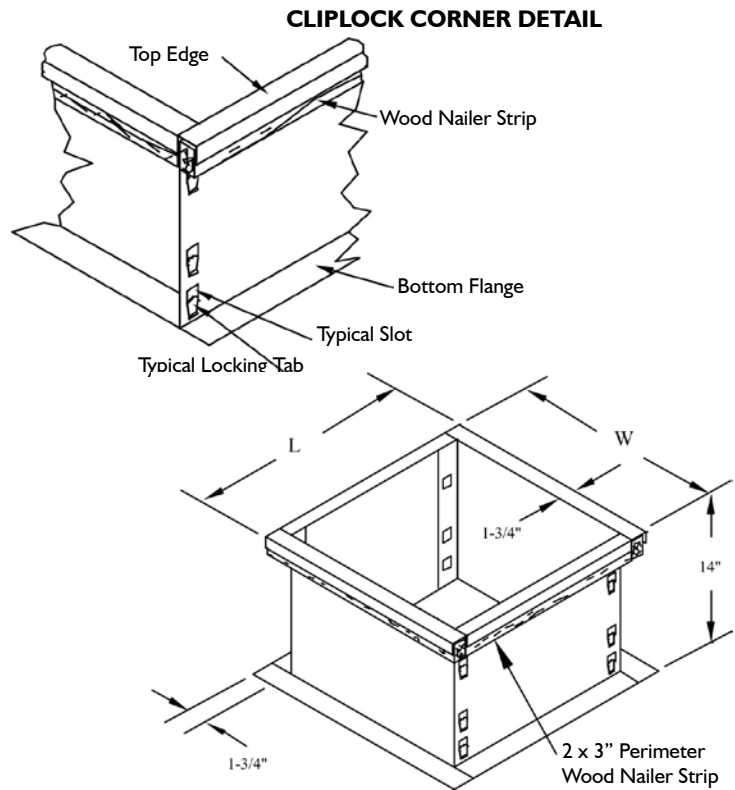
- 18 gauge galvanized steel construction
- 2 x 3" wood perimeter nailer

OPTIONS:

- Neoprene Gasket
- Custom or optional 14, 18, and 24" heights
- Stainless steel or aluminum construction

NOTE: For restaurant applications the minimum curb height is 18".

ASSEMBLY PARTS LIST	
QTY	ITEM
2	Side Pieces
2	End Pieces
1	Hardware Bag



STANDARD DUTY - BOX FRAME BACKDRAFT DAMPER

For exhaust ventilator models **DB, RED, LPD, TXD, TXB** and **ARE**.

For supply fan - refer to the flanged frame damper on the following page.

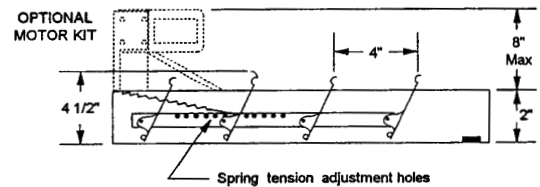
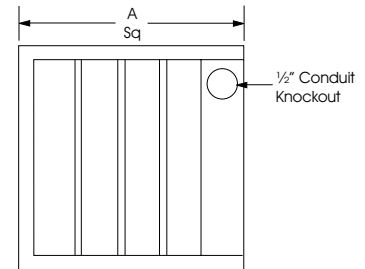
- Maximum face velocity - 1000 FPM.
- 19 gauge galvanized steel frame.
- 26 gauge aluminum blades.
- Stainless steel pivots.
- Felt seal between blades.
- Adjustable spring counter balance.
- Max 120°C ambient temp (55°C for motor).

Notes:

- (1) Units are undersized 1/4" to fit in square ducts or inside the roof curb.
- (2) Do not mount fan less than 1/3 diameter of the fan from the damper.
- (3) Dampers shipped in individual cartons.
- (4) Motor kits ship loose for field installation.

A = Damper OD, see specific ventilator for specific size.

DO NOT USE A DAMPER IN GREASE REMOVAL APPLICATIONS OR WITH A UL-762 LISTED EXHAUST FAN FOR KITCHEN VENTILATION



For low velocity (CFM) field adjustment of spring tension may be required to ensure that damper blades open completely.

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

ROOF VENTILATOR ACCESSORIES, cont'd.

HEAVY-DUTY FLANGED FRAME BACKDRAFT DAMPER

For exhaust ventilator models **HREBC** and **RCXII**.
 For supply ventilator models **HRSB**, **KSF**, **ARS** and **RCXII**.

- Maximum face velocity - 3000 FPM.
- 20 gauge galvanized steel frame.
- .025 aluminum blades.
- 28 gauge galvanized steel blades for 7 1/2 HP ventilator models (XHD).
- Stainless steel axles.
- Galvanized steel tie bars, stainless steel pins.
- Extruded vinyl seals between blades, mechanically locked into blade.
- Spring assist kit supplied with XHD dampers.

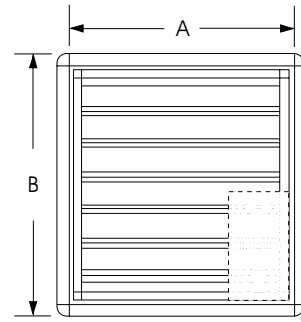
Notes:

- (1) Do not mount fan less than 1/3 diameter of fan from the shutter.
- (2) Motors available in 24V, 120V, 240V, & 440V.
- (3) Dampers shipped in individual cartons.
- (4) Motors and counterbalance kits ship separately.
- (5) Units for horizontal mounting with air flow down require counter balance kits (for gravity operation).
- (6) Multiple section assemblies may require bracing to support the weight of the assembly and to hold against system pressure.
BRACING SUPPLIED BY OTHERS.
- (7) Multiple section dampers are factory joined (except 72" and larger).

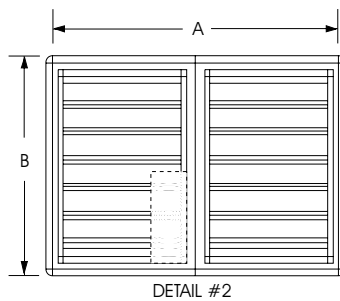
CAUTION: Motor kits are not suitable for use in explosive or flammable areas or airflows.

A = Damper OD, see specific ventilator for recommended size.
 B = A + 2 1/2" (OD of damper flange)

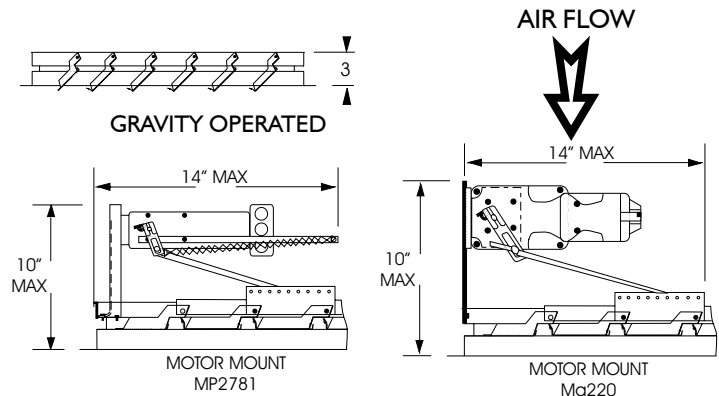
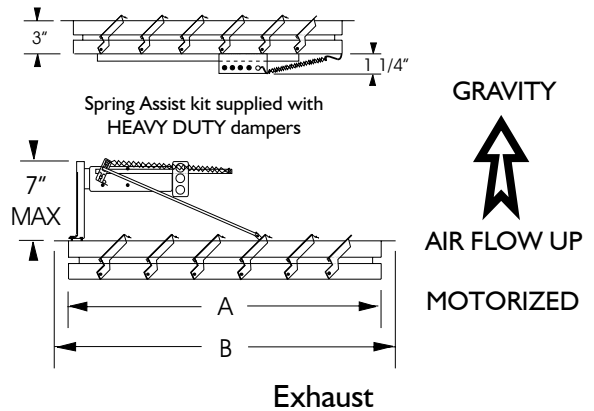
NOTE: For supply applications with airflow vertically down, a counter balance weight kit is supplied for field installation.



DETAIL #1
 Single panel damper for ventilator size 36 & smaller.



DETAIL #2
 Two panel damper for ventilator size 42 & larger.



Supply

ACCESSORIES

SIDEWALL PROPELLER FAN ACCESSORIES

WALL SHUTTERS/DAMPERS

For fan models **GED, LC, and L2**

- Maximum face velocity - 3000 FPM.
- 20 gauge galvanized steel frame.
- .025 aluminum blades.
- Extruded vinyl seals between blades mechanically locked into blade.

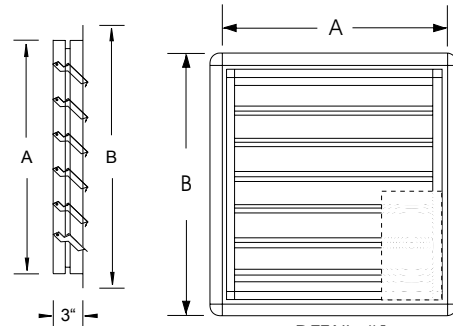
Notes:

- (1) Do not mount fan less than 12 inches from the shutter.
- (2) Damper motors available in 24V, 120V, 240V, & 440V.
- (3) Dampers shipped in individual cartons.
- (4) Damper motor and mounting hardware ship separately.
- (5) Multiple section assemblies may require bracing to support the weight of the assembly and to hold against system pressure.
BRACING SUPPLIED BY OTHERS.
- (6) Multiple section dampers are factory jointed (except 72" and larger).

CAUTION: Damper motor kits are not suitable for use in explosive or flammable or airflows. Minimum 12" clearance between damper flange and fan blades.

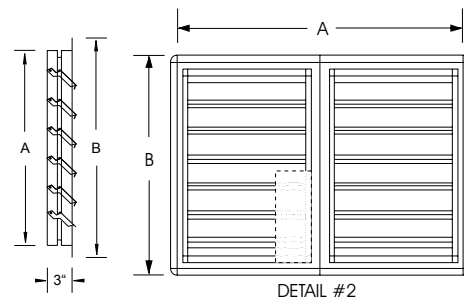
A = Shutter size, see specific fan for recommended size.

B = $A + 2 \frac{1}{2}$ " (OD of shutter flange)



DETAIL #1

Single panel shutter for fan size 36 & smaller



DETAIL #2

Two panel shutter for fan size 42 & larger

SIDEWALL PROPELLER FAN ACCESSORIES, cont'd

FAN - WALL HOUSING - SHUTTER - GUARD ASSEMBLY

Factory Assembled Package
For fan models L and L2

APPLICATION

This heavy-gauge, all galvanized G-90 steel housing provides a simple solution to installing a fan and all required accessories in a rough wall opening. It can be used in exhaust or supply applications. Depending on space and maintenance requirements, the wall housing may be installed inward or outwards of the building. All housings ship with the fan, shutter only on wall packs and guard assembled to lessen jobsite installation costs.

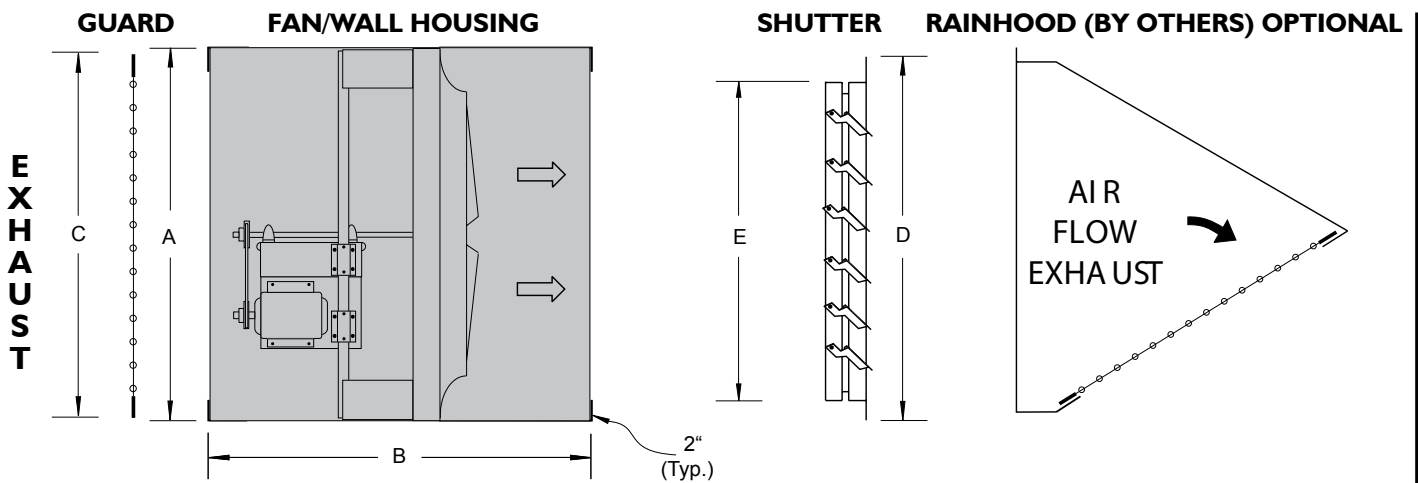
SIZE	A	B	C	E	B(LC)	B(L2)	MINIMUM WALL OPENING
20	25	24	22 1/2	20	32(1)	44	25 1/2
24	31	30	28 1/2	26			31 1/2
30	37	36	34 1/2	32			37 1/2
36	43	42	40 1/2	38			43 1/2
42	49	48	46 1/2	44			49 1/2
48	55	54	52 1/2	50	44	55 1/2	
54	61	60	58 1/2	56		61 1/2	
60	67	66	64 1/2	62		67 1/2	

ALL DIMENSIONS IN INCHES.

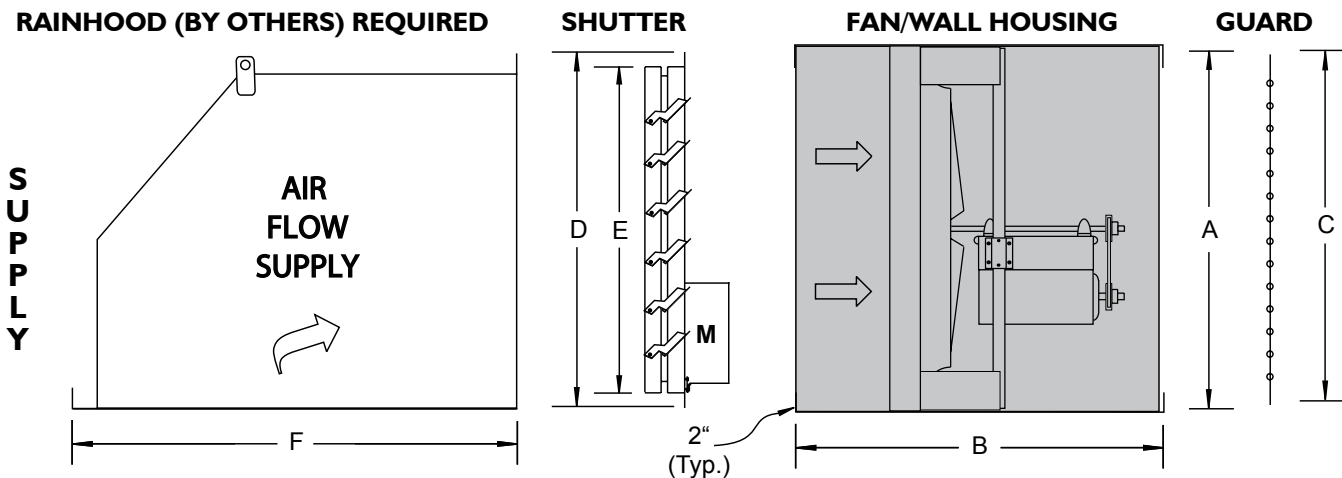
(1) IF MOTORIZED SHUTTER B=44.

Rainhoods, by others are required for all supply applications, and motorized shutters are strongly recommended.

EXHAUST ARRANGEMENT (TYPICAL)



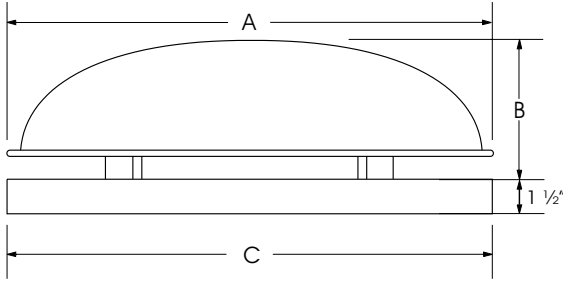
SUPPLY ARRANGEMENT (TYPICAL)



ACCESSORIES



LPD - LOW PROFILE DIRECT DRIVE CENTRIFUGAL ROOF/SIDEWALL EXHAUSTER



Soler & Palau USA, certifies that the Models LPD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



FEATURE

- Ultra low profile
- AMCA Air & Sound Licensed
- UL 705 listed (optional)
- UPS shipping carton
- 5 year warranty
- 140° Max. airstream temperature

CONSTRUCTION

- Aluminum construction
- Stainless steel exterior fasteners
- Backward curved centrifugal wheel
- Aluminum birdscreen
- Factory conduit wiring chase
- Electrical disconnect switch
- Precision balanced to ISO 1940

MOTOR

- External rotor design
- Permanently lubricated bearings
- 3 year warranty
- Internal thermal protection
- 100% speed controllable
- 115/1/60 and 230/1/60/50 compatible
- Enclosed and continuous duty

SIZE	DIMENSIONS (IN.)						AVERAGE SHIP WT. LBS.
	A	B	C	D	E	F	G
6	16 1/2	7	16 1/2	11	14 3/4	11 3/4	12
8	16 1/2	7	16 1/2	11	14 3/4	11 3/4	15

A - Outside diameter of unit. E - O.D. roof curb (std.)
 B - Height of unit above top of curb. F - Recommended roof opening (MAX).
 C - Inside dimension of square curb cap. (I.D. of factory built prefab curb).
 D - O.D. backdraft damper (box frame type). G - Shipping Weights (lbs).

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

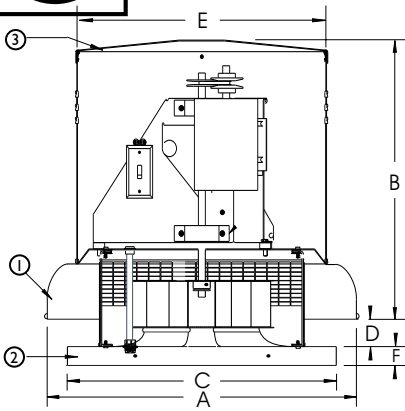
ACCESSORY ITEMS	1	2	3	4	5	ACCESSORY ITEMS	1	2	3	4	5
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<input type="checkbox"/>						<input type="checkbox"/>					
<input type="checkbox"/>						<input type="checkbox"/>					
<input type="checkbox"/>						<input type="checkbox"/>					

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



DB - BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER

SUBMITTAL DRAWING



Soler & Palau USA, certifies that the Models DB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



STANDARD CONSTRUCTION FEATURES

- All aluminum exterior construction.
- Stainless steel exterior fasteners.
- Ventilated motor compartment.
- Prepunched curb cap with welded corners.
- Aluminum nonoverloading wheel.
- Adjustable v-belt drive.
- Motor & drive factory mounted (**except 184T and larger**).
- Mounted service disconnect (except 2 speed and XP motors).
- Pillow block ball bearings (L50 = 200k with lube fittings).
- Internal wiring chase.
- Aluminum birdscreen and windband.
- Neoprene vibration isolators.
- AMCA Certified Air and Sound Performance.

SIZE	DIMENSIONS (IN.)								Damper OD	MIN. METAL THICKNESS (ALUM.)			AVG. SHIP WT. LBS.
	A	B	C	D	E	F	G	H		SKIRT ①	CURB CAP ②	LID COVER ③	
6-8-9	20 1/2	17 1/2	16 1/2	3 1/2	16 1/8	1 3/4	15	12	11	.063	.050	.050	65
11	28 3/8	23	24	3	22 1/2	2	22 1/2	19 1/2	18				105
12	28 3/8	23	24	3 1/4	22 1/2	2	22 1/2	19 1/2	18				105
14	28 3/8	23	24	3 1/4	22 1/2	2	22 1/2	19 1/2	18				120
16	32 1/4	23 3/4	24	5 3/4	26 1/4	2 1/2	22 1/2	19 1/2	18	.080	.080	.050	140
18	32 1/4	24	29 1/2	4 1/2	26 1/4	2 1/2	28	24 3/4	24				160
20	36 3/4	24 1/2	29 1/2	4	26 1/4	2 1/2	28	24 3/4	24	.090	.080	.050	215
24	41 1/4	26 1/2	35 3/4	8	30	2	34	30 3/4	30				270
30	58 3/8	37	42 1/2	5 1/2	41	2 1/2	41	37 3/4	36	.100	.090	.050	465
36	58 3/8	37	42 1/2	10	41	2 1/2	41	37 3/4	36				475
42	73	40 1/4	55	10	54 5/8	2 1/2	53 1/2	50 1/4	48				525
48	73	40 1/4	55	13	54 5/8	2 1/2	53 1/2	50 1/4	48				780

- A - Skirt OD (Dia). E - Motor cover OD (Dia).
 B - Height. F - Curb cap flange.
 C - Curb cap OD. G - Recommended roof curb OD (allows 3/4" for flashing).
 D - Skirt height. H - Recommended roof opening.

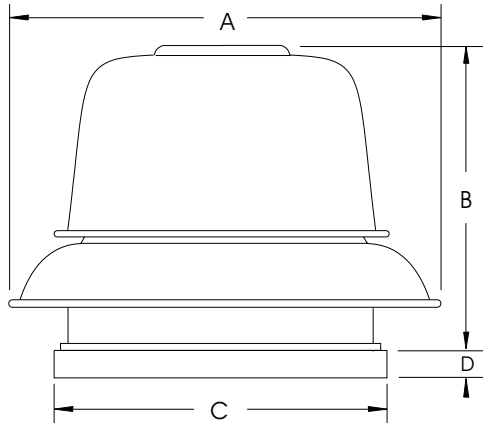
Dimensions Represent General Construction and may vary slightly. Contact Factory for Certified Drawings.

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

ACCESSORY ITEMS	1	2	3	4	5	ACCESSORY ITEMS	1	2	3	4	5
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RED - CENTRIFUGAL ROOF EXHAUST DIRECT DRIVE



Soler & Palau USA, certifies that the Models RED shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



FEATURES

- AMCA Air & Sound Licensed
- UL/CSA/NRTL-C listed
- Aluminum construction
- Stainless steel exterior fasteners
- Speed controllable motors
- 5 year fan warranty
- 1 year motor warranty
- Aluminum birdscreen
- Internal conduit wiring chase
- Electrical disconnect

SIZE	DIMENSIONS (IN.)							AVERAGE SHIP WT. LBS.
	A	B	C	D	E	F	G	
6	21 3/4	12	16 1/2	1 3/4	11	14 3/4	19 1/4	50
8	21 3/4	15 3/4	16 1/2	1 3/4	11	14 3/4	19 1/4	50
10	21 3/4	17 1/4	16 1/2	1 3/4	11	14 3/4	19 1/4	50
12	33 1/8	23 1/2	24	2 1/2	18	22 1/4	19 1/4	120
15	33 1/8	23 1/2	24	2 1/2	18	22 1/4	19 1/4	124

A - Outside diameter of unit.
 B - Height of unit above top of curb.
 C - Inside dimension of square curb cap.
 D - Depth of curb mounting flange.
 E - O.D. backdraft damper (box frame type).

F - Outside dimension of factory built prefab curb.
 G - Recommended roof opening.
 (Inside dimension of factory built prefab curb).

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

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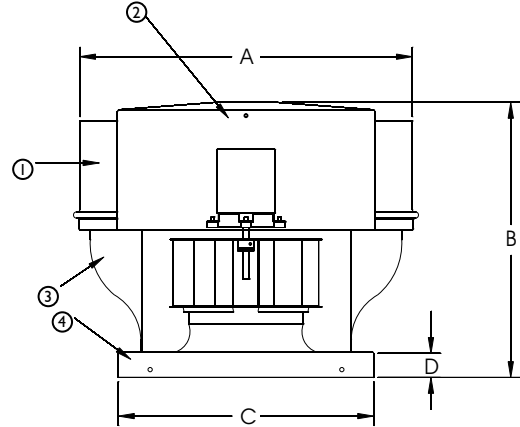
Project: _____ Submitted: _____
 Customer: _____ Approved: _____
 Location: _____



TXD - DIRECT DRIVE CENTRIFUGAL UPBLAST ROOF EXHAUSTER

STANDARD CONSTRUCTION FEATURES

- Aluminum housing with stainless steel exterior fasteners.
- UL 705 listed.
- Aluminum backward inclined wheel.
- Prepunched aluminum curb cap with welded corners.
- Single piece aluminum birdscreen & windband.
- Neoprene vibration mounts.
- Conduit wiring chase.
- Factory disconnect switch or plug type. (except XP & 2 speed).



SIZE	DIMENSIONS (IN.)			
	A	B	C	D
6 / 8	24 1/2	19 3/4	16 1/2	2
10	27 3/4	22 1/4	16 1/2	2
12	33	23	24	2
14 / 15	33	23	24	2



Soler & Palau USA, certifies that the Models TXD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



- A - Outside diameter of unit.
- B - Height of unit.
- C - Inside dimension of square curb cap.
- D - Motor compartment diameter.

SIZE	DIMENSIONS (IN.)			ALUMINUM METAL GAUGES				FAN WT. (LBS)	AVG. SHIP WT. (LBS)
	DAMPER OD	ROOF OPENING	CURB OD	WIND BAND ①	MOTOR COVER ②	SHROUD ③	BASE ④		
6 / 8	11	12	15	.050	.080	.063	.050	37	70
10	11	12	15	.050	.050	.063	.063	40	73
12	18	19 1/4	22 1/4	.050	.050	.063	.063	70	115
14 / 15	18	19 1/4	22 1/4	.050	.050	.063	.063	75	120

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

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

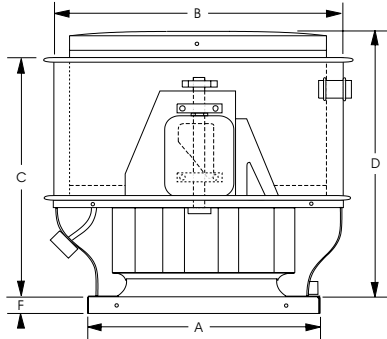
SUBMITTAL DRAWING



TXB-UL762 LISTED RESTAURANT ROOF EXHAUSTER CENTRIFUGAL UPBLAST BELT DRIVE

FAN FEATURES

- AMCA Air and Sound Licensed
- UL 705 listed
- UL 762 listed for Grease Removal
- Rainproof electrical box with wiring chase
- Heavy-gauge aluminum construction
- Nonoverloading aluminum backward inclined wheel
- Drives sized for a minimum of 150% of motor horsepower
- 1 year fan and motor warranty
- Heavy-duty 200,000 hour rated pillow block bearings
- Single piece deep spun inlet with welded corners



SIZE	METAL GAUGES					
	WIND BAND	MOTOR COVER	L	BASE		CURB CAP FLANGE
				STD/UL	RHUL	
8/10	.050	.050	.063	.063	16GA	.050
12/15/16	.050	.050	.063	.063	16GA	.050
18/20	.050	.050	.063	.080	16GA	.063
24	.050	.050	.080	.080	16GA	.080
30	.050	.050	.100	.090	16GA	.080
36	.050	.050	.100	.090	16GA	.090
42	.050	.050	.090	.100	N/A	.100
48	.050	.050	.090	.100	N/A	.100



Soler & Palau USA, certifies that the Models TXB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



SIZE	DIMENSIONS (IN.)							AVG. SHIP WT. (LBS)
	A	B	C	D	E	F	G	
8	16 1/2	24	24	27	1 3/4	11 3/4	14 3/4	69
10	16 1/2	27	26	29	1 3/4	11 3/4	14 3/4	69
12/15/16	24	31 1/2	26	28 3/4	2 1/2	19 1/4	22 1/4	93
18/20	29 1/2	37 3/4	28 1/2	31 3/4	2 1/2	24 3/4	27 3/4	120
24	35 1/2	47 1/4	31 1/2	41	2 1/2	30 3/4	33 3/4	245
30	42 1/2	56 3/4	42 1/2	44	2 1/2	37 3/4	40 3/4	365
36	42 1/2	66	47 1/2	46	2 1/2	37 3/4	40 3/4	365
42	55	72 1/2	49 1/4	51 1/2	2 1/2	50 1/4	53 1/4	385
48	55	78 3/4	53	55	2 1/2	50 1/4	53 1/4	490

- A - Inside dimension of square curb cap.
- B - Outside diameter of unit.
- C - Height of exhaust opening above curb cap.
- D - Height of unit above top of curb.
- E - Depth of curb mounting flange.
- F - Recommended roof opening.
(Inside dimension of factory built prefab curb).
- G - Outside dimension of factory built prefab curb.

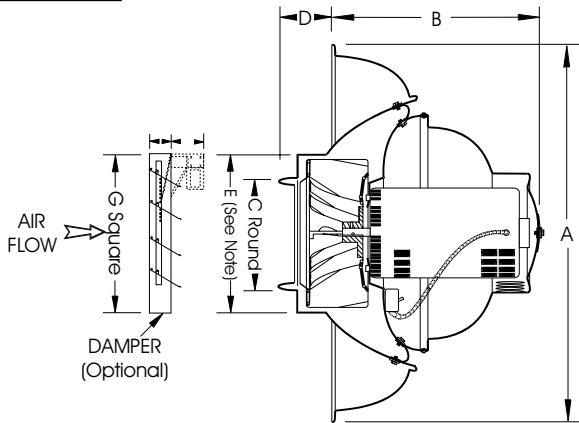
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Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

ACCESSORY ITEMS					ACCESSORY ITEMS						
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 Customer: _____ Approved: _____
 Location: _____



CWD - DIRECT DRIVE CENTRIFUGAL SIDEWALL MOUNTED EXHAUSTER



FEATURE

- Heavy-gauge, corrosion free, spun aluminum housing and all stainless steel fastenings.
- Permanently lubricated motor, mounted in compartment sealed from exhaust airstream.
- Exclusive steel U-spring suspension for permanent maximum vibration isolation.
- Nonoverloading all aluminum wheel dynamically and statically balanced.
- Internal, watertight, aluminum wiring post provided for electrical conduit.
- Aluminum birdscreen

NOTE: For round duct connection to unit without damper, cut a circular hole in the wall to dimension E.

NOTE: Disconnect switch ships loose for field installation and wiring.



Soler & Palau USA, certifies that the Models CWD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



SUBMITTAL DRAWING

MODEL NO.	DIMENSIONS (IN)						AVG. SHIP WT. (LBS)
	A	B	C	D	E	G	
070A	15	8	5 15/16	1 1/2	8	11	15
080A	20	9	9 15/16	2	12	11	25
090A - 101A	26	13 1/2	11 15/16	3	15	14	37
110A - 121A	30	15 1/2	13 15/16	3	17 1/2	14	80
141A	36	16 1/2	17 15/16	4	22	18	84

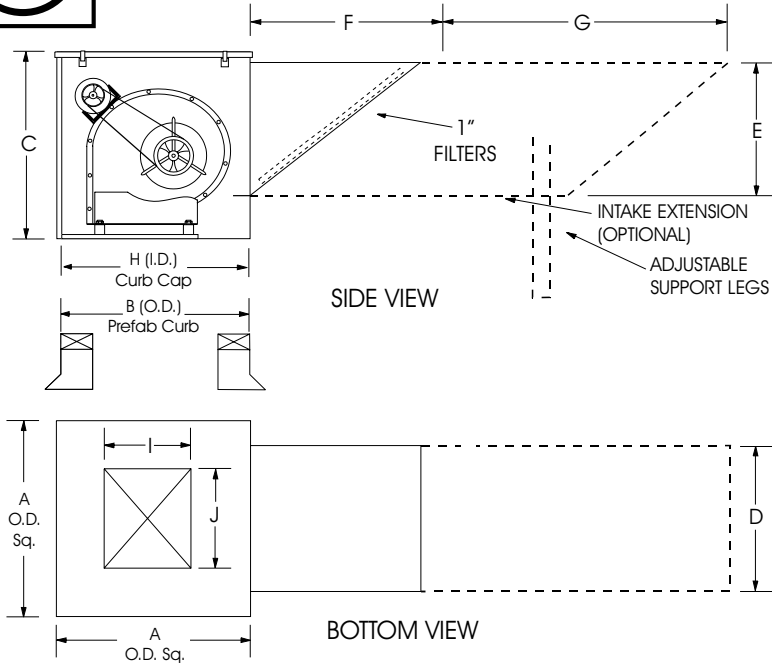
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Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
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2													
3													
4													
5													

ACCESSORY ITEMS					ACCESSORY ITEMS						
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 Customer: _____ Approved: _____
 Location: _____



KSF - CENTRIFUGAL FILTERED SUPPLY FAN



Soler & Palau USA, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



SIZE	A	B	C	D	E	F	G	H SQ.	DAMPER O.D.	I	J	FILTERS (QTY)
9	24 1/2	22 1/2	23	18	18	17 3/4	78	24 1/2	19"	10 1/2	12	17 1/2 x 23 (1)
10	28 1/4	26 1/2	30	21 3/4	22	21 3/4	70	28 1/4	23"	11 5/8	13 1/4	21 1/2 x 28 1/2 (1)
12	32 1/2	31	33	27 1/4	28 3/8	27 1/4	51 1/4	32 1/2	27"	13 5/8	15 7/8	25 1/2 x 35 1/2 (1)
15	32 1/2	31	37	28 3/4	31 1/2	37	56	32 1/2	27"	16 1/4	18 7/8	21 1/2 x 28 1/2 (2)
18	36 1/2	35	41	31	36 1/2	36	48	36 1/2	30"	19	22 1/4	24 x 30 (2)
20	51	49 1/2	49	46 1/8	37 1/2	37 1/2	31	51	45"	23	25	25 1/2 x 45 1/2 (2)

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

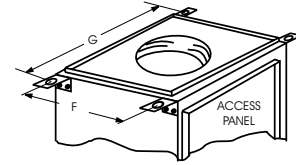
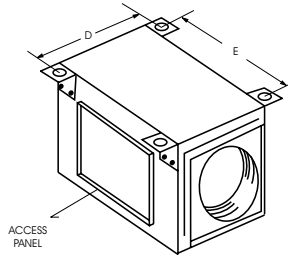
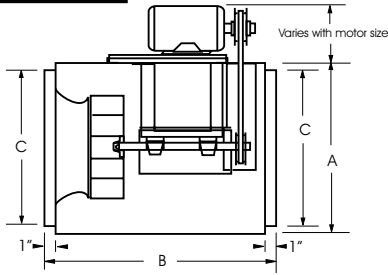
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 Customer: _____ Approved: _____
 Location: _____



SQB - SQUARE INLINE CENTRIFUGAL DUCT FAN BELT DRIVE

SUBMITTAL DRAWING



SIZE	STANDARD DIMENSIONS (IN.)						
	A	B	C	D	E	F	G
7 & 8	15	23	11 7/8	18 1/2	19	13	19 3/4
10	17	23	13 7/8	20 1/2	19	15	21 3/4
12	21	23	17 7/8	24 1/2	19	19	25 3/4
15	24	28	21 1/8	27 1/2	24	22	28 3/4
18	28	30	23 7/8	31 1/2	26	26	32 3/4
20	32	34	27 7/8	35 1/2	30	30	36 3/4
24	39	38	34 7/8	42 1/2	34	37	43 3/4
30	44	40	39 7/8	47 1/2	36	42	48 3/4
36	52	45	47 7/8	55 1/2	41	50	56 3/4
42	58	53	58 7/8	61 1/2	49	56	62 3/4

STANDARD FEATURES

- Nonoverloading, backwardly inclined wheel.
- Spark resistant wheel on all sizes.
- Safety disconnect standard for all motors except explosion proof (shipped loose).
- Housing corrosion resistant galvanized steel.
- Heavy-duty internal support structure.
- UL 705 label for Electrical Safety & Reliability.

SIZE	STANDARD MATERIAL & THICKNESS				AVG SHIP WT (LBS)	INLET OR OUTLET AREA
	GALV HOUSING GAUGE	VENTURI INLET	SHAFT DIA. (CRS)	STD WHEEL		
7 & 8	18	18	5/8	Alum	75	1.0 Sq Ft
10	18	18	5/8	Alum	85	1.36 Sq Ft
12	18	18	3/4	Alum	95	2.25 Sq Ft
15	18	18	3/4	Alum	145	3.36 Sq Ft
18	18	18	1	Alum	190	4.0 Sq Ft
20	18	18	1	Alum	220	5.45 Sq Ft
24	18	18	1 or 1 3/16	Alum	320	8.5 Sq Ft
30	16	16	1 or 1 1/2	Alum	420	11.1 Sq Ft
36	16	16	1 3/16 or 1 1/2	Alum	600	16.0 Sq Ft
42	16	16	1 1/2	Alum	725	20.25 Sq Ft

NOTE: Optional Mounting Brackets may be mounted on sides or ends of unit for floor, ceiling or vertical mounting. (ARRANGE FOR BEST USE OF ACCESS PANELS)



Soler & Palau USA, certifies that the Models SQB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



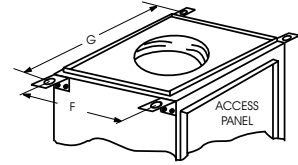
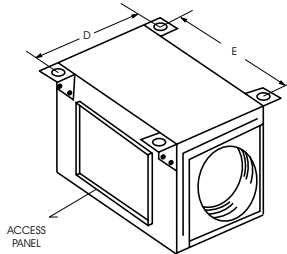
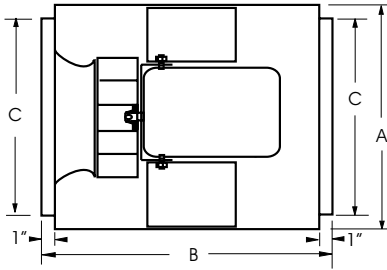
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2														
3														
4														
5														

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 Customer: _____ Approved: _____
 Location: _____



SQD - SQUARE INLINE CENTRIFUGAL DUCT FAN DIRECT DRIVE



SIZE	STANDARD DIMENSIONS (IN.)						
	A	B	C	D	E	F	G
6	13	14	8 7/8	17 3/4	10	11	16 1/2
8	16	17	11 7/8	20 3/4	13	14	19 1/2
10	19	20	13 7/8	23 3/4	16	17	22 1/2
12	23	24	15 7/8	27 3/4	20	21	26 1/2
15	28	29	19 7/8	32 3/4	25	26	31 1/2

STANDARD FEATURES

- Nonoverloading, backwardly inclined wheel.
- Spark resistant wheel on all sizes.
- Safety disconnect standard for all motors except explosion proof (shipped loose).
- Housing corrosion resistant galvanized steel.
- Heavy-duty internal support structure.
- UL 705 label for Electrical Safety & Reliability.

SIZE	STANDARD MATERIAL & THICKNESS			AVG. SHIP WT. (LBS.)	INLET OR OUTLET AREA
	GALV HOUSING GAUGE	VENTURI INLET	STD WHEEL		
6	18	.063	Alum	30	0.6 Sq Ft
8	18	.063	Alum	60	1.0 Sq Ft
10	18	.063	Alum	75	1.4 Sq Ft
12	18	.063	Alum	90	1.8 Sq Ft
15	18	.063	Alum	120	2.8 Sq Ft

NOTE: Optional Mounting Brackets may be mounted on sides or ends of unit for floor, ceiling or vertical mounting.
(ARRANGE FOR BEST USE OF ACCESS PANELS)



Soler & Palau USA, certifies that the Models SQD shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



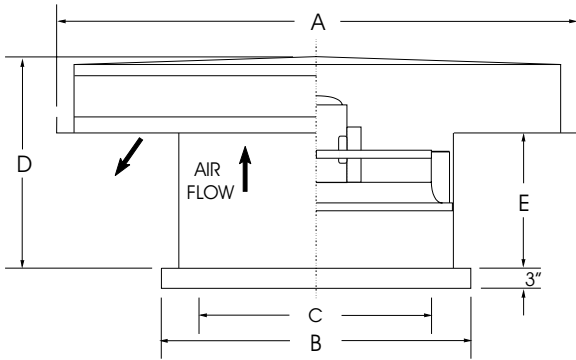
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2													
3													
4													
5													

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 Customer: _____ Approved: _____
 Location: _____



HREBC - HOODED AXIAL/PROPELLER POWER ROOF EXHAUSTER BELT DRIVE - ALUMINUM AIRFOIL PROPELLERS



(Hoods on 42"-60" ship KD) (2)
Specify assembled if required



Soler & Palau USA, certifies that the Models HREBC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



SUBMITTAL DRAWING

MODEL HREBC	A SQ O.D. HOOD (2)	B ID CURB CAP	C MIN. ID OPENING	D HEIGHT	E STACK	PREFAB CURB O.D.	METAL GAUGES (1)			AVG. SHIP WT. (LBS.)
							CROWN/SIDE HOOD	STACK	CURB CAP	
24	58	35	30	44	23	33 1/4	18/18	18	14	300
30	66	41	36	44	23	39 1/4	18/18	18	14	360
36	78	47	42	44	23	45 1/4	18/18	18	14	440
42	87	53	48	51	30	51 1/4	18/18	16	14	540
48	99	59	54	51	30	57 1/4	18/18	16	14	690
54	111 or 123	65	60	51	30	63 1/4	18/16	16	14	820
60	111 or 123	71	66	51	30	69 1/4	18/16	16	14	910

- All materials are G90 galvanized steel.
- Hoods for fan sizes 24-36" ship assembled. Hoods for fan sizes 42-60" ship KD unless ordered factory assembled. Assembled 123" hoods must ship by double drop deck flat bed truck. This will affect normal freight rates. (123" hoods for 15hp - non catalog performance.)
- Hoods will hinge and front panel is removable for access to fan and optional damper.
- Propellers are 3, 4, or 6-bladed adjustable pitch, air-foil aluminum (Fixed pitch steel and Aluminum are also available).
- Dampers mount on accessory flanges inside curbs or in the duct due to space restrictions.
- Delay switch required on models 5HP and larger with motorized damper (optional).

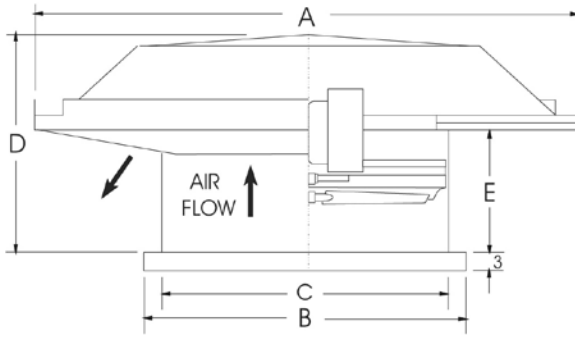
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2													
3													
4													
5													

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HRSB HOODED AXIAL/PROPELLER POWER ROOF SUPPLY FAN BELT DRIVE - ALUMINUM AIRFOIL PROPELLERS



(Hoods on 42"-60" ship KD) (2)
Specify assembled if required

MODEL HRSB	A SQ O.D. HOOD (2)	B ID CURB CAP	C MIN. ID OPENING	D HEIGHT	E STACK	PREFAB CURB O.D.	METAL GAUGES (1)			AVG. SHIP WT. LBS.
							CROWN/SIDE HOOD	STACK	CURB CAP	
24	58	35	30	31	23	33 1/4	18/18	18	14	425
30	66	41	36	32	23	39 1/4	18/18	18	14	545
36	78	47	42	34	23	45 1/4	18/18	18	14	690
42	87	53	48	43	30	51 1/4	18/18	16	14	620
48	99	59	54	44	30	57 1/4	18/18	16	14	760
54	111	65	60	45	30	63 1/4	18/16	16	14	1150
60	123	71	66	46	30	69 1/4	18/16	16	14	1335

- All materials are G90 galvanized steel. All hoods are factory assembled
- Due to shipping limitations, 87" and larger hoods will ship separate requiring field attaching. Assembled 123" hoods must ship by double drop deck flat bed truck. This will affect normal freight rates.
- Hoods will hinge and front panel is removable for access to fan and optional damper.
- Propellers are 3, 4, or 6-bladed adjustable pitch, air-foil aluminum (Fixed pitch steel and Aluminum are also available).
- Dampers mount on accessory flanges inside curbs due to space restrictions and warranty clearance conditions.
- Delay switch required on models 5HP and larger (with motorized damper).
- Due to shipping limitations, sizes 42-60 are crated in 2 separate pieces

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

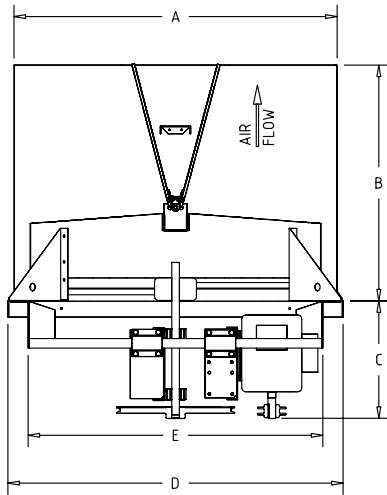
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 Customer: _____ Approved: _____
 Location: _____



UBS- BELT DRIVE UPBLAST PROPELLER ROOF EXHAUSTER

SUBMITTAL DRAWING



STANDARD CONSTRUCTION FEATURES

- Galvanized steel butterfly dampers.
- Galvanized steel windband.
- Lifting eyes at all four corners of curb cap.
- Galvanized curb cap with fully welded corners.
- Heavy galvanized schedule 40 pipe frame.
- Cast iron pillow block bearings with lube fittings. average life of 200,000 hours.
- V-belt drive with adjustable motor sheave.
(Standard through 3 HP)
- Nationally recognized and locally serviced motor.
- Heavy epoxy coated steel hub plate. Keyed to fan shaft.
- Die formed epoxy coated steel propeller blades.
- Integral galvanized steel rain channel.
- Stainless steel damper rod.



MODEL UBS	A	B	C	D	E	F	METAL		AVG. SHIP WT. LBS.
							WIND SHROUD	FAN PANEL	
24	30	26	20	32	28	31	18	16	250
30	36	29	21	38	34	37	18	16	325
36	42	31	21	44	40	43	18	16	350
42	48	34	22	50	46	49	18	16	425
48	54	37	26	56	52	55	18	16	450
54	60	40	26	62	58	61	18	14	575
60	66	43	26	68	64	67	18	14	750

- A** - Outside Diameter of Windband.
- B** - Height of Unit Above Curb Cap.
- C** - Maximum Depth of Unit Below Top of Curb, Actual Depth Varies with Motor Size.
- D** - Inside Dimension of Square Curb Cap.
- E** - Minimum Inside Dimension of Curb Opening Required for Adequate Clearance of Fan Frame.
- F** - Outside Dimension of Factory Built Prefab Curb.

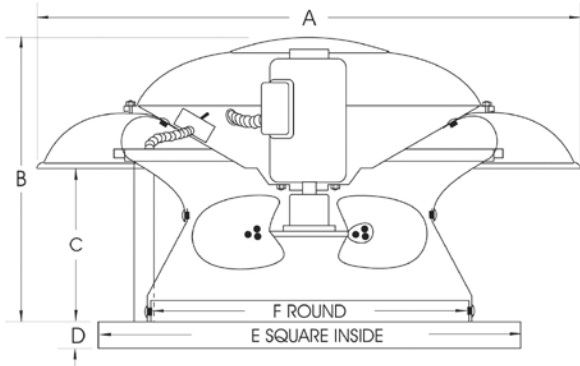
FAN SPECIFICATIONS										MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl	
1														
2														
3														
4														
5														

ACCESSORY ITEMS	1	2	3	4	5	ACCESSORY ITEMS	1	2	3	4	5
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ARE/ARS - DOME AXIAL ROOF EXHAUST OR SUPPLY FAN DIRECT DRIVE



STANDARD FEATURES

- Permanently lubricated motor is mounted outside airstream.
- Exclusive U-spring suspension compensates for both radial and lateral movement, providing 44% better vibration isolation than rubber isolators.
- External, watertight, aluminum wiring chase supplied for electrical conduit.
- Heavy-gauge spun aluminum housing gives unit strength without weight; eliminates rust.
- Pressure type axial fan with conic inlet construction assures quiet and efficient performance.
- High point of discharge with low contour.
- Disconnect switch (except 2 speed and explosion proof).



SIZE	DIMENSIONS (INCHES)							RECOMMENDED CURB O.D.	AVG SHIPPING WT. (LBS.)
	A	B	C	D	E	ORIFICE F	DAMPER O.D. G		
100A	21	13	7	2	20	12 3/4	14	18 1/2	25
120A	28	16	8	3	24	15 3/4	18	22 1/2	42
121A	28	16	8	3	24	15 3/4	18	22 1/2	42
160A	32	18	8 1/2	3	28	19 3/4	22	26 1/2	55
161A	32	18	8 1/2	3	28	19 3/4	22	26 1/2	55
201A	36	20	9 3/4	3	32	23 3/4	26	30 1/2	75

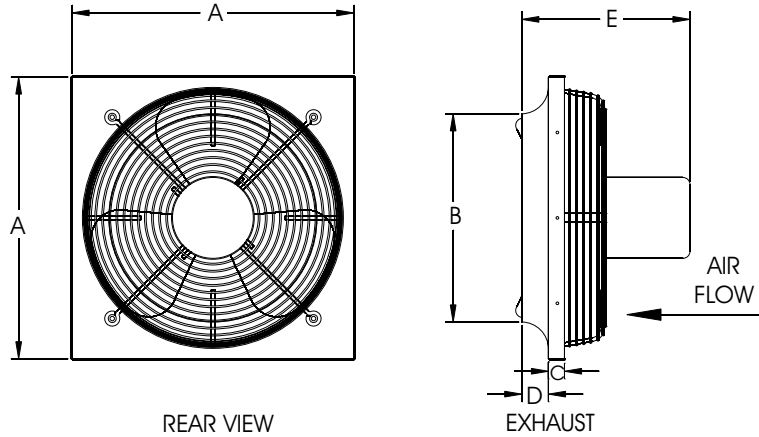
FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

ACCESSORY ITEMS					ACCESSORY ITEMS						
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GED - DIRECT DRIVE SIDEWALL PROPELLER FAN WITH INTEGRAL OSHA GUARD - EXHAUST



SUBMITTAL DRAWING

GED SIZE	DIMENSIONS IN.)						AVG. SHIP WT. LBS.
	A	B	C	D	E*	F*	
10	16	10-1/2	1	2	11	9	30
12	16	12-1/2	1	2	14	12	30
14	20	14-1/2	1	2	14	12	34
16	20	16-1/2	1	2	14	12	37
18	24	18-1/2	1	2	15	13	45
20	24	20-1/2	1	2	15	13	50

- A. Outside dimension of square panel.
- B. Diameter of venturi.
- C. Width of flange, 1" for all models.
- D. Depth of venturi, 2" for all models.
- E. Depth of fan (exhaust).
- F. Depth of fan (supply).
- * **Varies with motor selection.**

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

ACCESSORY ITEMS	1	2	3	4	5	ACCESSORY ITEMS	1	2	3	4	5
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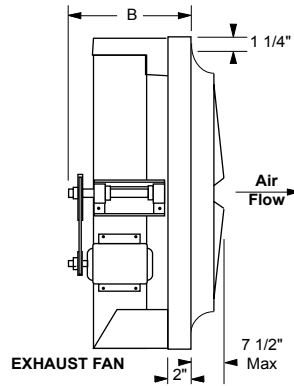
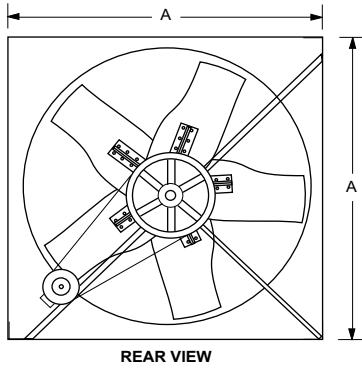
Project: _____ Submitted: _____
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 Location: _____



LC - SIDEWALL PROPELLER FAN - BELT DRIVE

LCE - EXHAUST

LEVEL I CONSTRUCTION



Soler & Palau USA, certifies that the Models LC shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



SIZE	A SQ. O.D. PANEL	B EXHAUST	APPROX WT.	MAX MOTOR	MATERIAL GAUGE OR THICKNESS				
					SHAFT	PANEL	SUPPORT FRAME	BLADES	HUB SPIDER
20	24	15	85	56H	3/4	18	16	18	14
24	30	15	90	145T	1	16	12	16	10
30	36	15	100	10					
36	42	15	105	7					
42	48	16	110	7					
48	54	16	125	145T	1 3/16	14	14	7	
54	60	20	240	1/4					
60	66	20	285	1/4					

CONSTRUCTION AND MATERIAL SPECIFICATION - LEVEL I

Fan panel, support frame, motor & bearing mounts - all welded G90 galvanized steel.

Fan Blades - Die formed G90 galvanized, bolted to hub.

Hub - Die formed steel, epoxy coated, keyed to shaft.

Bearings - Air handling, self aligning, cast iron pillow block with grease fittings, L50 = 200,000 hours average life.

Shaft - Turned, ground and polished, keyed to propeller hub and sheave.

Drives - Cast iron, 150% S.F., single groove and adjustable thru 3HP, keyed to motor and fan shaft.

Belts - Nonstatic conducting, oil resistant, single groove thru 3HP.

FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

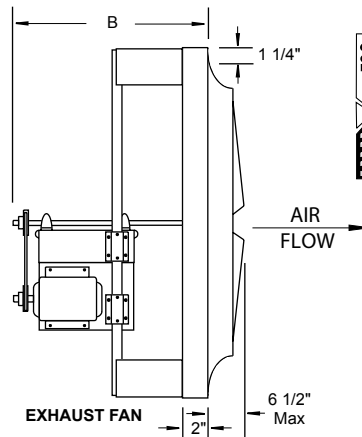
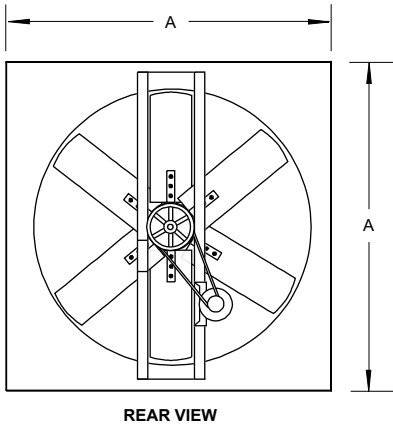
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L2 - SIDEWALL PROPELLER FAN - BELT DRIVE

L2E - EXHAUST

LEVEL 2 CONSTRUCTION



Soler & Palau USA, certifies that the Models L2 shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



SUBMITTAL DRAWING

SIZE	A SQ. O.D. PANEL	B EXHAUST	APPROX WT.	MAX MOTOR	MATERIAL GAUGE OR THICKNESS								
					SHAFT	PANEL		SUPPORT FRAME		BLADES		HUB	PIPE FRAME
						Galv	Alum	Galv	Alum	Galv	Alum		
24	30	22	120	145T	1 3/16	18	.08	14	1/4	16	.08	1/4	1 1/4" OD SCHED. 40
30	36	22	180	182T		16		10		16		1/8	
36	42	22	215	184T		14	.100						
42	48	22	235	184T									
48	54	22	300	184T									
54	60	22	400	184T									
60	66	24	490	184T									

CONSTRUCTION AND MATERIAL SPECIFICATION - LEVEL 2

Fan panel, motor & bearing mounts - all welded G90 galvanized steel.

Pipe support frame - Welded 1 1/4" OD schedule 40 galvanized pipe.

Fan Blades - G90 galvanized (multiple laminations), bolted to hub.

Hub - Heavy duty welded steel, epoxy coated, keyed to shaft.

Bearings - Air handling, self aligning, cast iron pillow block with grease fittings, L50 = 200,000 hours average life.

Shaft - Turned, ground and polished, keyed to propeller hub and sheave.

Drives - Cast iron, 150% S.F., single groove and adjustable thru 3HP, keyed to motor and fan shaft.

Belts - Nonstatic conducting, oil resistant, single groove thru 3HP.

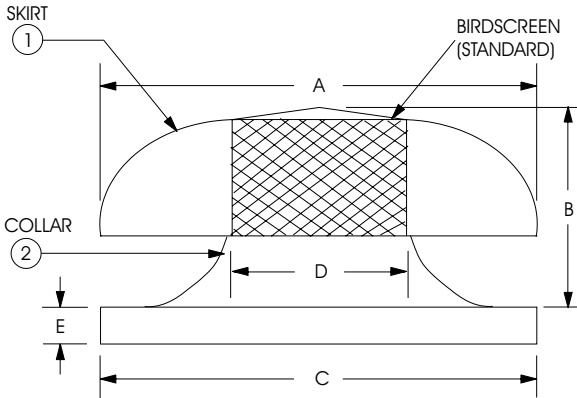
FAN SPECIFICATIONS									MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl
1													
2													
3													
4													
5													

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 Location: _____



RCXII - CURB MOUNT SPUN ALUMINUM GRAVITY VENTILATOR RELIEF OR INTAKE - NON POWERED



STANDARD CONSTRUCTION FEATURES

- 5 year warranty
- Low contour spun aluminum hood for attractive appearance
- All heavy-gauge aluminum
- Weather resistance design for long life and maintenance free operation
- Galvanized birdscreen is standard
- Available in 11 Sizes for a wide range of performance capabilities
- One piece welded curb cap with round spun inlet for maximum efficiency
- Shipped completely assembled for ease in installation
- Intake or exhaust
- Low pressure drop

Optional factory prefabricated curbs available to fit all sizes of units listed

SIZE	NECK AREA SQ FT	DIMENSIONS (IN.)					MATERIAL GAUGE		EST. WT	NOMINAL DAMPER SIZE
		A	B	C	D	E	1	2		
8	0.39	22	8	16 1/2	8 1/2	2	.063	.050	10	8 x 8
10	0.59	22	8	16 1/2	10 1/2	2	.063	.050	15	8 x 8
12	0.85	22	8 3/8	24	12 1/2	2	.063	.050	24	15 x 15
15	1.23	22	8 3/8	24	15	2	.063	.050	24	15 x 15
18	1.89	32 3/4	12 1/2	29 1/2	18 5/8	2	.063	.063	35	21 x 21
20	2.18	32 3/4	12 1/2	29 1/2	20	2	.063	.063	35	21 x 21
24	3.30	43 3/4	12 1/2	35 1/2	24 5/8	2	.063	.063	57	27 x 27
26	3.69	43 3/4	17 3/8	35 1/2	26	2	.063	.070	57	27 x 27
30	5.16	43 3/4	17 3/8	42 1/2	30 3/4	2	.063	.070	75	34 x 34
33	5.94	54 3/4	17 3/8	42 1/2	33	2	.080	.080	75	34 x 34
36	7.06	54 3/4	17 3/8	42 1/2	36	2	.080	.080	90	34 x 34

ACCESSORY ITEMS	1	2	3	4	5	ACCESSORY ITEMS	1	2	3	4	5
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 Location: _____



Ventilation Guidelines

Suggested Values (Refer to local building codes or ANSI/ASHRAE Standard 62 for industry requirements.)

• AIRFLOW RATE

Defined as the air volume required to be extracted or supplied into a room during a given period of time.

• DETERMINING CFM BY AIR CHANGE CYCLE

The total CFM (cubic feet per minute) must first be determined. This is generally done by meeting a pre-selected air change cycle (see suggested rates below).

LOCATION	Minutes Per Change
Assembly Halls	2 - 10
Auditoriums	2 - 10
Bakeries	2 - 3
Banks	3 - 10
Barns	10 - 20
Bars	2 - 5
Beauty Parlors	2 - 5
Boiler Rooms	1 - 5
Bowling Alleys	2 - 10
Churches	5 - 10
Clubs	2 - 10
Dairies	2 - 5
Dance Halls	2 - 10
Dining Rooms	3 - 10
Dry Cleaners	1 - 5
Engine Rooms	1 - 3
Factories	2 - 5
Forge Shops	2 - 5
Foundries	1 - 5
Garages	2 - 10
Generator Rooms	2 - 5
Gymnasiums	2 - 10
Kitchens - Hospitals	2 - 5
Kitchens - Resident	2 - 5
Kitchens - Restaurant	1 - 3
Laboratories	1 - 5
Laundries	1 - 3
Markets	2 - 10
Offices	2 - 10
Packing Houses	2 - 5
Plating Rooms	1 - 5

LOCATION	Minutes Per Change
Pool Rooms	2 - 5
Projection Rooms	1 - 3
Recreation Rooms	2 - 10
Residences	2 - 5
Sales Rooms	2 - 10
Theaters	2 - 8
Toilets	2 - 5
Transformer Rooms	1 - 5
Warehouses	2 - 10

These values must not take the place of any regulation requirements and can be modified for particular applications.

Actual air change within the above range depends on ceiling height, geographic location and the number of people occupying the area to be ventilated.

For ceilings from 8 to 15 feet, the air change in minutes would vary proportionally, more ventilation being required for the 8' ceiling than the 15' ceiling.

Geographic locations enter into the calculation also. The warmer the prevailing climate, the more air required for good ventilation.

Also, increased ventilation will be required where there may be large groups of employees working in proportionally small areas.

W x L x H = Displacement (cubic feet of room)
ie 20 x 60 x 10 = 12,000 cubic feet

Dividing displacement by air changes per minute will give the required CFM.

1 min. air change requires 12,000 CFM
 2 min. air change requires 6,000 CFM
 3 min. air change requires 4,000 CFM

• CHOICE OF FAN

The fan selection must take into account parameters such as:

- 1) Type of premise:
 - industrial
 - commercial
 - domestic . . .
- 2) Nature of the air and its characteristics:
 - clean air
 - air + dust or grease . . .
 - special fluid (gases)
- 3) Nature of the installation:
 - supply and extract
 - wall fan, roof fan; ducted systems
 - position of the air entries
 - particular conditions . . .
- 4) Requirements of air flow and pressure drop
- 5) Acceptable sound level:
 - in the room
 - externally
- 6) Type of mains supply:
 - single phase, three phase
 - voltage
 - frequency . . .

• Conversion Table

Volume Flow:

$$1 \text{ CFM} = 1.699 \text{ m}^3/\text{h}$$

$$= 0.472 \text{ l/s}$$

$$1 \text{ m}^3/\text{h} = 0.589 \text{ CFM}$$

$$= 0.278 \text{ l/s}$$

$$1 \text{ l/s} = 2.119 \text{ CFM}$$

$$= 3.6 \text{ m}^3/\text{h}$$

Velocity:

$$1 \text{ ft/min} = 0.0051 \text{ m/s}$$

$$1 \text{ m/s} = 196 \text{ ft/min}$$

Volume:

$$\text{ft}^3 = 0.00283 \text{ m}^3$$

$$\text{m}^3 = 35.31 \text{ ft}^3$$

Pressure:

$$1 \text{ inWG} = 249 \text{ Pa}$$

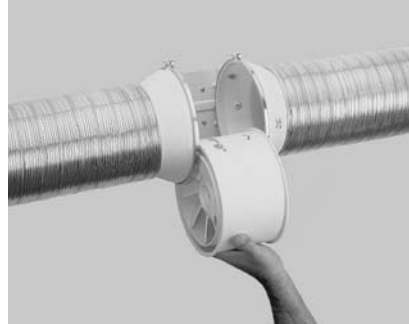
$$= 25.4 \text{ mmWG}$$

$$1 \text{ Pa} = 0.004 \text{ inWG}$$

$$1 \text{ mmWG} = 0.0393 \text{ inWG}$$

OTHER QUALITY SOLER & PALAU PRODUCTS

TD-MIXVENT IN-LINE FANS



TD removable body for repair or cleaning, without the need to touch the ducts.

PV POWERVENT IN-LINE



COMPACT WALL & DUCT AXIAL FANS



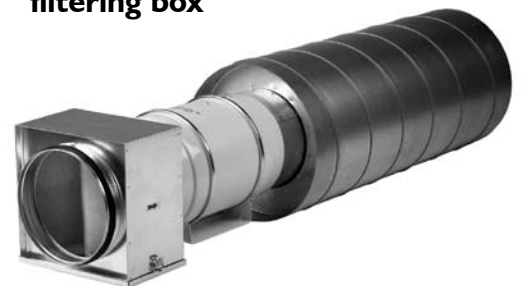
CAR BACKDRAFT DAMPER



SIL SILENCER



SIL Silencer connected with a TD-MIXVENT and a MFL filtering box



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