

Belt Drive Upblast Propeller Roof Exhausters

Models UBS, UBSRD, UBSRD-HT, & UBSRD-HTI

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The World's Leading Producer of
Air Movement Products



Model UBS Belt Drive Upblast Propeller Roof Exhausters

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, high air flow velocity opens butterfly dampers and prevents 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/Specification Checklist

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 heavy-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.

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 3HP.
- Two belt fixed pitch sheaves on 5HP and 7 1/2HP units.
- Adjustable tension rods for belt adjustment.
- Nonstatic oil resistant V belts.
- Keyed, turned, ground and polished shafts coated with an anti-rust compound to resist corrosion.

Bearings

- Bearings designed for minimum 200,000 hour life, L50.
- Cast iron self-aligning pillow block bearings.
- Bearings are sealed, prelubricated with relube fittings.

Motors

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

Options/Accessories

Roof Curb: Prefabricated heavy-gauge galvanized steel, welded construction, 12" high with 1 - 1/2" wood nailer. Options include burglar bars, single and double pitch construction, and additional curb heights.

Outlet Guard: 1/2" x 1" wire mesh guard will prevent birds and other objects from entering fan.

Disconnect Switch: Nonfused safety disconnects are available for all motor sizes in rain-tight or open enclosures.

Magnetic Latches: Help reduce butterfly damper chatter when the units are not in operation.

Cushion Close: Allows butterfly damper doors to close quietly.

cULus Standard 705 Listing: Assures electrical safety and reliability. Optional.

Safety Basket Guard: 1/2 x 1" galvanized wire. Guard extends into roof curb. **Important:** For all nonducted applications, the manufacturer recommends that a safety basket guard must be installed as a safety precaution for personnel below unit.

Extended Grease Lines: Extended nylon grease lines allow fan bearings to be relubricated from the exterior of the fan housing.

Quickship Program

Many UBS Models and optional accessories are available on the S&P Quickship Program. This program provides rapid delivery of standard products so that tight project deadlines can be met and downtime on replacement work can be held to a minimum.

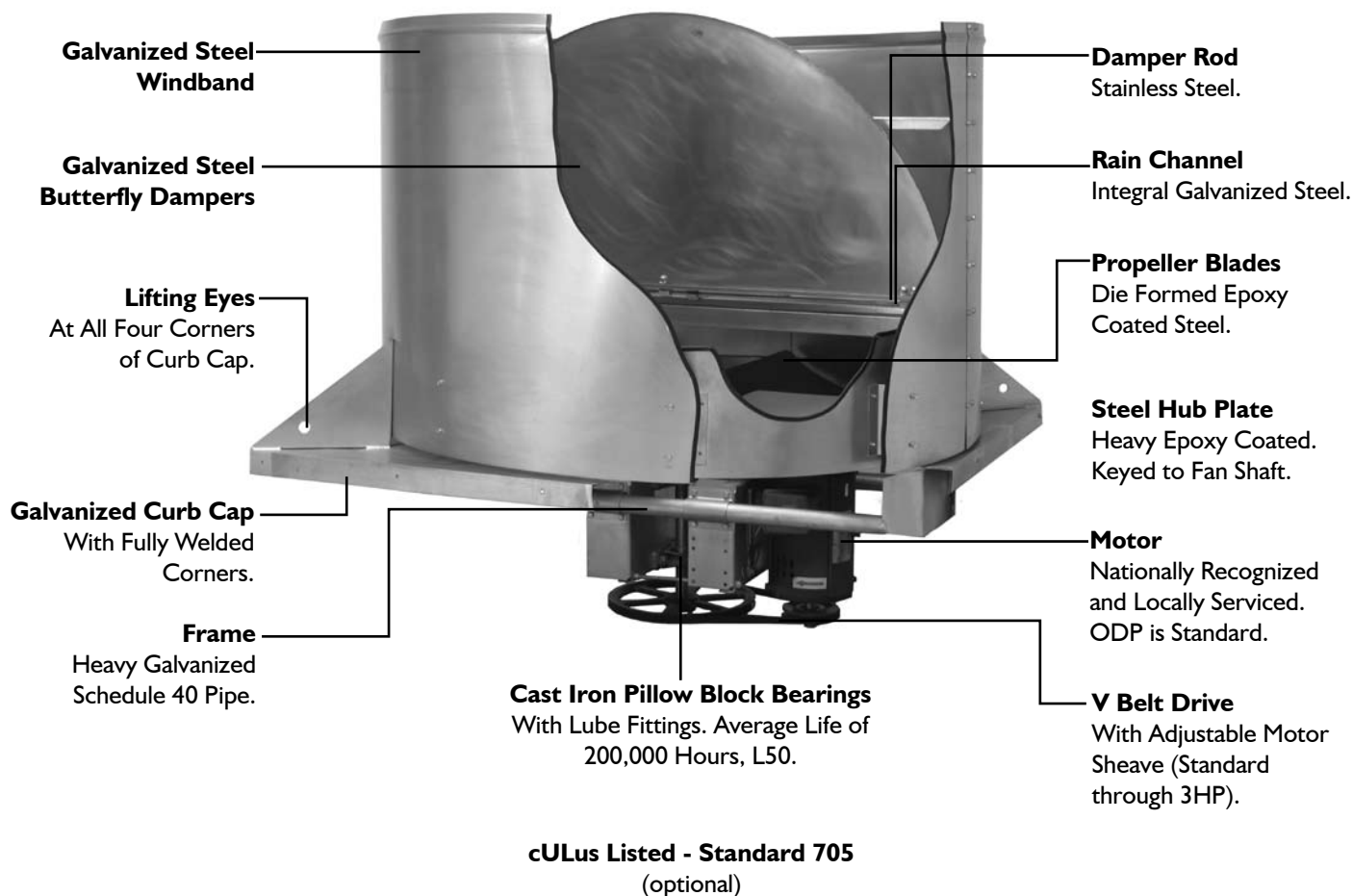
Optimizer Fan Selection Program

Please refer to Soler & Palau USA's Optimizer fan selection program for fan curve, submittal information and other details of the UBS series and other S&P products. Download your copy from www.solerpalau-usa.com.

All specifications are subject to change without notice unless approved in submittal by Soler & Palau USA.



Model UBS



SOLER & PALAU USA LIMITED WARRANTY

Soler & Palau USA (manufacturer), 6393 Powers Avenue, Jacksonville, Florida 32217, warrants the UBS, UBSRD and UBSRD-HT to be free from defects in design, materials and workmanship (exclusive of abrasion, corrosion or erosion) for one (1) year from the date of shipment to the original purchaser or the date of notification of readiness to ship. Motor warranty is one (1) year. All motors are warranted by the motor manufacturer for a period of one year. Should the motor furnished by Soler & Palau USA be found to be defective during the warranty period, it should be returned to the nearest authorized motor service station. Soler & Palau USA will not be responsible for any removal or installation costs. 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 factory 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 any invoices submitted to 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, DAMAGES 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 OF LIABILITY, HOWEVER INCURRED, SHALL NOT EXCEED THE CONTRACT PRICE.**

Performance Data

MODEL UBS	CFM @ STATIC PRESSURE					HP	RPM	Max. BHP	Sones @ .375
	0	1/8	1/4	3/8	1/2				
24	7079	6599	6023	5284	3732	3/4	1070	0.82	22
	7939	7511	7068	6461	5718	1	1200	1.10	27
30	10546	9463	7865	5230	3906	1	755	1.10	16.8
	12781	11952	10895	9435	7270	1-1/2	915	1.65	23
	14388	13700	12782	11745	10346	2	1030	2.20	29
36	11872	10354	8064	5301	3522	1	575	1.15	14.6
	14557	13389	11962	9903	6871	1-1/2	705	1.65	21
	16415	15416	14200	12722	10776	2	795	2.20	24
	19087	18221	17299	16291	15181	3	950	3.30	36
42	16307	14087	11400	7270	5386	1-1/2	510	1.65	16.4
	19184	17283	15281	12804	8980	2	600	2.20	22
	22382	20749	19150	17245	15170	3	700	3.30	31
	25259	23813	22382	20885	19127	5	790	5.50	42
48	22656	20052	16506	10504	7559	2	475	2.20	19.7
	27187	25018	25563	19410	14113	3	570	3.30	26
	31480	29606	27732	25319	22538	5	660	5.50	33
54	29460	25454	20962	14718	11910	3	400	3.30	19
	36456	33013	30586	26237	19623	5	495	5.50	29
60	44555	40707	36545	27962	22834	5	415	5.50	26
	50996	47635	44150	39164	31620	7-1/2	475	8.62	35

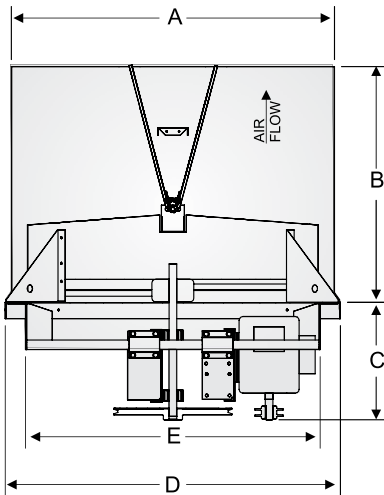


Performance shown is for roof ventilators for installation type A: Free inlet, Free outlet. The power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

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.

Dimensional Data



MODEL UBS	A	B	C	D	E	F	METAL GAUGES		Average 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.

Application

Model UBSRD units are high capacity, belt driven roof mounted exhausters rated from 4,900 to 61,000 CFM. The motor and drives are located outside of the exhaust airstream, making these units especially suited for the removal of heated or contaminated air from commercial and industrial buildings or processes where these conditions exist. All models are capable of continuous operation exhausting air to 200°F.

The remote drive construction allows for easy rooftop belt and motor access for maintenance. For increased air performance (in clean conditions) with the same easy maintenance access, the UBSRD is available without the belt and bearing enclosures.

Straight-through air flow design results in maximum exhaust efficiency. During operation, high air flow velocity opens butterfly dampers and prevents 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.

Construction/Specification Checklist

Panel Assembly

- Heavy-gauge G90 galvanized steel panel, size 24-60.
- One piece venturi for maximum efficiency and strength.
- Motor mounting plates of heavy-gauge galvanized steel.
- Bearing mounting plates of heavy-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.
- Galvanized damper shaft rotates in bronze bushing.

Propeller

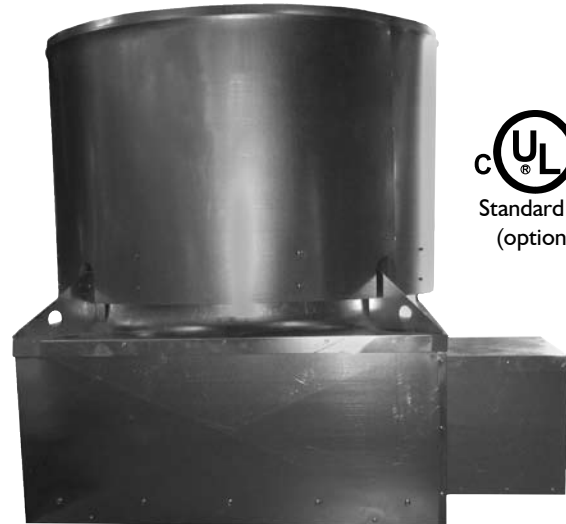
- Steel hub plate with steel taper lock bushing.
- Die formed, heavy-gauge, epoxy coated, steel blades.

Drives

- Shielded from airstream by galvanized steel enclosure (Optional).
- Sized for minimum 150% of drive horsepower.
- Single belt adjustable pitch sheaves through 3HP.
- Two belt fixed pitch sheaves 5HP through 10HP.
- Adjustable pitch sheaves are optional above 3HP.
- Tilt motor base for belt adjustment.
- Nonstatic, oil resistant v-belts.
- Keyed, turned, ground and polished shafts.

Bearings

- Bearings designed for minimum 200,000 hour life, L50.
- Cast iron self-aligning pillow block ball bearings.
- Bearings are sealed, prelubricated and furnished with relube fittings.



Standard 705
(optional)

Motors

- Located outside airstream under weather cover.
- Brands are nationally recognized and locally serviced.
- Open drip-proof construction is standard.

Options/Accessories

Roof Curb: Prefabricated heavy-gauge galvanized steel, welded construction, 12" high with 1-1/2" wood nailer. Options include burglar bars, single and double pitch construction, and additional curb heights.

Disconnect Switch: Nonfused safety disconnects are available for all motor sizes in rain-tight or open enclosures.

Magnetic Latches: Help reduce damper chatter when the units are not in operation.

Noninsulated Belt Cover (Belt Tube): To isolate drive components from airstreams.

Outlet Guard: 1/2" x 1" wire mesh guard will prevent birds and other objects from entering fan.

Propeller Blade Side Safety Guard: 1/2 x 1" galvanized wire guard. **Important:** For all nonducted applications, the manufacturer recommends that a safety guard must be installed as a safety precaution for personnel below unit.

Extended Grease Lines: Extended grease lines allow fan bearings to be relubricated from the exterior.

Painted Exteriors: For harsh environments where galvanized steel is not sufficient, coatings are offered to protect the fan. To match existing building fixtures we offer decorative paints in a variety of colors. Contact factory for special paint requirements.

cULus Standard 705 Listing: Assures electrical safety and reliability. Optional.

All specifications are subject to change without notice unless approved in submittal by Soler & Palau USA.

For Model Number Code instructions please refer to page 8.



Application

Model UBSRD-HT/HTI has been designed and tested for emergency heat and smoke removal. This design also lends itself to everyday nonemergency high capacity industrial and commercial roof exhaust applications. Model UBSRD-HT/HTI successfully passed heat test of 1000°F for fifteen (15) minutes, and 500°F for over four (4) hours by an independent testing agency. Model UBSRD-HT/HTI exceeds I.R.I (Industrial Risk Insurers) guidelines as "Power Ventilator for Smoke Control Systems."

The heavy-gauge design allows for years of standard commercial use and the dependability required in a fire emergency. The upblast configuration exhausts heat and smoke high above the roof line aiding in the access and capabilities of firefighters. Unlike complete design dependence on gravity vents which are sometimes limited by air temperature and wind velocity, the UBSRD-HT/HTI in conjunction with gravity vents, will more effectively remove smoke, hot air, and gases when used in a properly designed system. In the event of electrical failure, the 165°F fusible link will activate the spring assisted damper doors to provide gravity ventilation. Fan CFM, sizing and location for both exhaust and supply air are an important part of the overall heat and smoke venting building design needs. Refer to I.R.I., NFPA (National Fire Protection Association), and local fire codes for help in proper system design. Final approval for the complete system design should be authorized by the local authority having jurisdiction.

Fan selections are available in 24, 30, 36, 42, 48, 54 and 60 inch sizes. Horsepower and CFM range to 52,000 CFM and 10HP. Units are tested in accordance with AMCA Standard 301 (sound) and AMCA 210 (air) in an AMCA certified laboratory. Every unit is completely assembled and factory tested for quality assurance prior to shipment.

Construction/Specification Checklist:

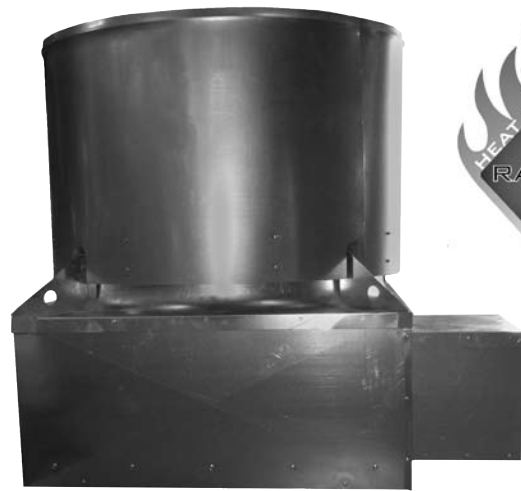
1. Successfully heat tested by independent laboratory for;
 - (a) 1000°F for 15 minutes.
 - (b) 500°F for minimum 4 hours.
2. All ferrous construction in airstream.
3. 165°F fusible link in damper spring mechanism (HTI unit only).
4. Motor out-of-airstream design.
5. Belt & bearings enclosed in ventilated housing.
6. Minimum dual groove drive/belt combination.
7. Shaft heat slinger.
8. Belt tube and cover standard.
9. Die formed, heavy-gauge, epoxy coated, steel blades.
10. High temp grease.

Drives

Motors, bearings and belt are shielded from the airstream by a sheet metal enclosure, with cooling provided by fresh outside air. Drives are fixed, sized for a minimum 150% of drive horsepower. Drives are minimum dual groove sheaves. Adjustable sheaves are available as an option. Bearings are heavy-duty cast iron, pillow block with relubricable fittings. Standard bearings are designed for minimum 200,000 hour, L50 life. All shafts are turned, ground and polished steel coated with an anti-rust compound to resist corrosion.

Electrical Power

Electrical power should be independent of the general building. Wiring requires special, heat resistant qualities as determined by local fire codes. Switching should always be arranged so that automatic start-up can be achieved through safety devices such as, but not limited to, sprinkler systems and smoke or heat sensors.



Standard 705 (optional)

High Temperature Option

500°F (260°C) for a minimum of 4 hours

1000°F (538°C) for a minimum of 15 minutes

This construction exceeds specifications for IRI requirements of 500°F (260°C) air for a minimum of 4 hours and the SBCCI "Standard Fire Prevention Code" requirements of 1000°F (538°C) for a minimum of 15 minutes in emergency smoke removal applications. In addition, this construction exceeds British Standards 7346 Class B (250°C for 2 hours), Class C (300°C for 15 minutes), and Class D (300°C for 1 hour) temperature requirements. Temperature ratings tested in accordance to UL smoke control systems.

Features	UBSRD-HT	UBSRD-HTI
165°F (74°C) Fusible Link and Spring Damper Lifters		•
Belt tube with heat shield	•	•
Dual Drives	•	•
High Temperature Bearing Grease	•	•

UBSRD-HT/HTI Accessories

Roof Curbs: Curbs are prefabricated in heavy-gauge galvanized steel welded construction, 12" high with a 1-1/2" wood nailer. Options include burglar bars, single and double pitch construction, and additional curb heights. Refer to current submittal drawing for details.

Outlet Guard: 1/2" x 1" wire mesh guard will prevent birds and other objects from entering fan.

Propeller Blade Side Safety Guard: 1/2 x 1" galvanized wire guard. **Important:** For all nonducted applications, the manufacturer recommends that a safety guard must be installed as a safety precaution for personnel below unit.

Disconnect Switch: Nonfused safety disconnects are available for all motor sizes in rain-tight or open enclosures.

Painted Exteriors: For harsh environments where galvanized steel is not sufficient, coatings are offered to protect the fan. To match existing building fixtures we offer decorative paints in a variety of colors. Contact factory for special paint requirements.

cULus Standard 705 Listing: Assures electrical safety and reliability. Optional.

For Model Number Code instructions please refer to page 8.

Models UBSRD, UBSRD-HT & UBSRD-HTI Performance Data



Model	Motor HP	RPM	Max. BHP	Sones @ .375	CFM @ Static Pressure in Inches of Water										
					0.000	0.100	0.125	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750
24L	1/2	989	0.55	17	6153	5747	5645	5511	5244	4977					
	3/4	1123	0.82	22	6987	6629	6539	6435	6227	6019	5761	5373			
	1	1233	1.1	23	7671	7345	7263	7179	7012	6845	6614	6267	5580		
	1-1/2	1415	1.65	28	8800	8516	8445	8374	8231	8089	7920	7667	7163	6593	
30L	3/4	734	0.82	17	10257	9359	9134	8795	8118	7440					
	1	803	1.1	21	11224	10426	10227	9950	9396	8842	7950	6611			
	1-1/2	920	1.65	25	12847	12189	12024	11814	11394	10974	10397	9531	7404		
	2	1019	2.2	29	14235	13675	13535	13350	12979	12608	12176	11529	10119		
30H	2	1286	2.2	34	13082	12604	12484	12364	12125	11886	11594	11156			
	3	1470	3.3	47	14959	14541	14436	14331	14122	13912	13690	13357	12706		
	5	1736	5.5	49	17664	17310	17221	17132	16955	16778	16601	16335	15874	15322	14697
36L	1	641	1.1	21	13232	12196	11937	11622	10991	10361	6217				
	1-1/2	727	1.65	25	15018	14137	13917	13661	13148	12636	11969	10969			
	2	810	2.2	29	16726	15936	15738	15516	15071	14626	14145	13423			
	3	926	3.03	36	19128	18437	18264	18080	17713	17345	16943	16340	15239		
36H	3	1016	3.3	41	19050	18274	18080	17870	17449	17029	16556	15846	14267	12076	
	5	1205	5.5	57	22599	21945	21781	21615	21282	20950	20583	20032	19094	17763	16282
42L	1	495	1.1	23	15823	13994	13537	12974	11847						
	1-1/2	562	1.65	28	17965	16347	15942	15487	14576	13666					
	2	623	2.2	35	19920	18453	18086	17707	16950	16192					
	3	711	3.3	38	22724	21438	21116	20801	20170	19539	18804	17702			
42H	5	1004	5.5	50	26457	25702	25513	25288	24839	24389	23890	23141	21942	20643	18996
	7-1/2	1155	7.88	53	30440	29784	29620	29454	29121	28788	28339	27665	26596	25568	24449
48L	1-1/2	460	1.65	22	21919	19765	19227	18470	16957	15444					
	2	514	2.2	23	24507	22581	22100	21504	20311	19119					
	3	579	3.3	26	27616	25907	25480	25004	24053	23102	21872	20026			
	5	670	5.1	33	31937	30459	30090	29721	28982	28243	27308	25905	23195	20385	
48H	5	791	5.5	40	32797	30939	30474	30136	29461	28786	27950	26696	24225		
	7-1/2	908	8.25	48	37629	35906	35475	35172	34565	33958	33369	32486	30522	28440	
	10	970	10.1	50	40214	38602	38199	37896	37289	36682	36131	35305	33727	31778	29735
54L	1-1/2	334	1.65	16	24586	21026	20136								
	2	367	2.2	17	27060	23788	22970	21627	18942	16256					
	3	419	3.3	19	30851	27673	26879	26109	24570	23031	20309	16227			
	5	499	5.5	25	36726	33989	33305	32818	31844	30870	29178	26640	20018		
54H	3	633	3.3	37	30726	28700	28194	27748	26856	25964	24765	22967			
	5	771	5.5	51	37430	35799	35391	34990	34187	33385	32652	31553			
	7-1/2	882	8.25	54	42804	41386	41032	40659	39912	39165	38537	37596	35925		
	10	939	10.5	57	45565	44233	43900	43553	42858	42163	41533	40589	39167	37334	35314
60L	3	348	3.3	24	37362	33644	32715	31036	27677	24318	21876	18214			
	5	412	5.49	26	44233	41132	40357	39495	37771	36047	32622	27485	22405		
	7-1/2	470	8.15	35	50459	47741	47062	46356	44943	43530	41464	38364	30821	26382	
60H	3	564	3.3	37	36030	33791	33231	32388	30702	29016					
	5	664	5.5	47	42397	40441	39952	39405	38310	37216	35553	33058			
	7-1/2	744	8.25	51	47555	45805	45368	44965	44160	43354	41982	39924	36140	32640	27799
	10	817	10.5	54	52173	50579	50180	49803	49048	48293	47339	45907	42619	39077	35879

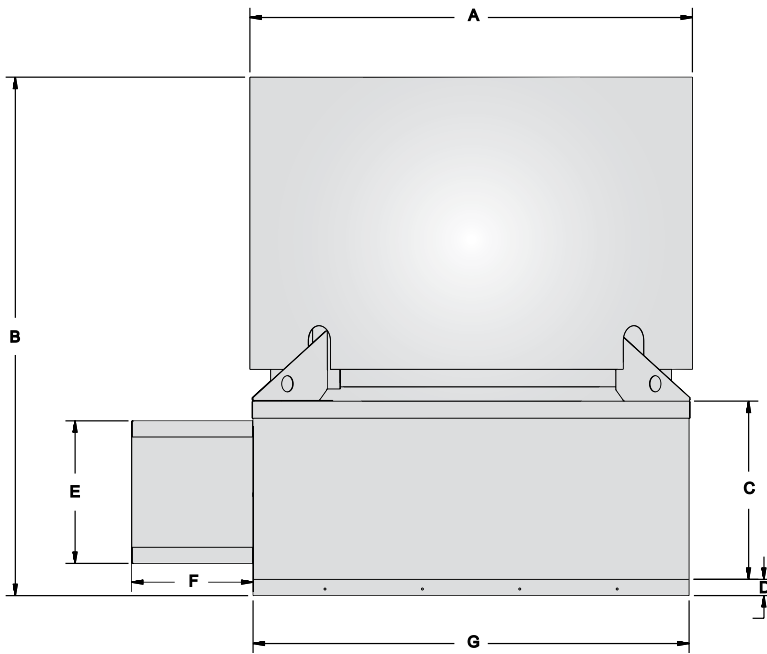
Performance shown is for roof ventilators for installation type A: Free inlet, Free outlet. The power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

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.

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. Please refer to the Optimizer Selection Program for additional sound data and for selections at other static pressures, and to see the exact BHP for your selection.



Models UBSRD, UBSRD-HT & UBSRD-HTI Dimensional Data



Model Number Code
The model number code is designed to completely identify the fan. Below is a detailed explanation of the model number codes:

UBS RD HT - 36 L

- Upblast Propeller Roof Fan
- Motor out-of-airstream
- Level of Construction (HT or HTI)
- Fan Size
- Propeller Type L-Low H-High

Model	A	B	C	D	E	F	G	H	I	Wt. (lbs)
24	30	49	22	2	17-1/2	15	29-1/2	28-1/2	25-1/2	310
30	36	52	22	2	17-1/2	15	35-1/2	34-1/2	31-1/2	340
36	42	58	22	2	17-1/2	15	41-1/2	40-1/2	37-1/2	430
42	48	61	22	2	17-1/2	15	47-1/2	46-1/2	43-1/2	490
48	54	64	22	2	17-1/2	15	53-1/2	52-1/2	49-1/2	640
54	60	67	22	2	17-1/2	15	59-1/2	58-1/2	55-1/2	840
60	66	70	22	2	17-1/2	15	65-1/2	64-1/2	61-1/2	1000

- A** - Outside Diameter Windband
- B** - Total Height of Unit
- C** - Housing Height
- D** - Curb Cap Depth
- E** - Motor Cover Height
- F** - Motor Cover Width
- G** - Inside Dimension of Square Curb Cap
- H** - OD of factory built prefab curb.
- I** - Recommended roof opening (inside dimension of factory built prefab curb.)

Model	Windband (galv)	Curb Cap (Galv)	Butterfly Damper		Housing (galv)	Drive Support Channel	Channel Support	Motor Bracket	Drive Shaft Size	Max Motor Frame Size
			Galv	Alum	Front/Back					
24	20	14	20	0.04	18	12	12	10	1	145T
30	20	14	20	0.04	18	12	12	10	1	184T
36	20	14	20	0.04	18	12	12	10	1	184T
42	20	14	20	0.04	18	12	12	10	1-7/16	215T
48	20	14	20	0.04	18	12	12	10	1-7/16	215T
54	20	14	20	0.04	18	12	12	10	1-7/16	215T
60	20	14	20	0.04	18	12	12	10	1-7/16	215T

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