

## DON'T BE FOOLED BY ADVERTISED LOW PRICES

*You get what you pay for ... not what you "think" you are actually getting.*

- Performance
- Quality
- Innovative technology
- Value
- Energy-efficiency
- Reliability

Other manufacturers talk about these features but **BLOWTHERM USA** delivers it. The fact is that not all spray booths are created equal.

***Buying a new downdraft spray booth*** is one of the most important and costly decisions a collision shop can make. Price is always important, but why spend \$30,000.00 for a product that is actually worth less? In this economy we believe it is more beneficial to spend a little more for a quality product, worth much more, that truly performs and decreases your bottom line expenses.

Blowtherm USA spray booths are known for their reliability. We have the latest innovative technology for energy savings and waterborne curing.

Would you buy a new Corvette with w 4 cylinder engine because it was cheaper, will it meet your expectations? Corvette would not risk their reputation for performance and technology just to be able to sell at a lower price.

When considering a Blowtherm booth that has an average life of 25-30 years (where others may last 10-15 years) spread any price difference over the life of the booth, along with lower maintenance costs. Bottom line - a Blowtherm will end up costing you less.

***Installation:*** Whichever make of booth is chosen - the cost of the installation should be the same.

Shop owners should consider the reasons for buying a new booth (among others):

- Increase production
- Improve finish quality
- Waterborne curing
- Cleaner finishes
- Reliability
- Energy savings
- Overall life of the booth

***Investigate!*** Take the time to research what you're actually being offered to ensure that all of the spray booth manufactures are comparing apples to apples vs. trying to make a sale. This is a critical part of the decision making process. We can show you how, based on competitive prices, we can ensure your needs are met or exceed your expectations.

Blowtherm will not manufacture and market equipment using fancy names, inferior materials, tube axial fans, self taping screw construction, under powered air flow, etc., to advertise at a low price. We market one cabin (**EXTRA**), an appropriate generating group and controls to meet your requirements and booth size. What you see is what you get. There will be no surprises when your booth is installed.

Strangely enough, when we run into a competitive quote it is almost always their "top of the line" no matter which model is being quoted. If the same Corvette salesman told you the 4-cylinder model is the top of the line would you believe him? Our reputation is more important than that. Honesty is our best policy. Count on it.

***Advantages:*** As you already know, waterborne is moving across the United States rapidly. Blowtherm has over 15 years experience working with paint manufactures developing solutions. The engineers at Blowtherm would not settle for technology that is “decades” old. This includes ceiling fans and blowers to flash and cure waterborne materials. The fact is that Blowtherm has developed a technologically advanced system we call “**AIR SPEED**”.

The **AIR SPEED** system does not require additional installation costs, consumes no additional energy, nor does it require maintenance. Statistics prove the previously popular ceiling fan and blower systems are expensive, consume energy, require additional installation and electrical costs, most require filter maintenance. Using **AIR SPEED** will not add contamination problems to the finish like blowers and it covers the complete vehicle - unlike ceiling fans.


Below we have put together a check booth comparison chart of important considerations when choosing the right spray booth for your shop. We encourage you to compare because we are confident you will make the right choice.

## BLOWTHERM-USA "EXTRA" SPRAY BOOTH FEATURES, BENEFITS & COMPARISON

COMPONENTS	BLOWTHERMS STANDARD FEATURES	BLOWTHERMS BENEFITS	✓	COMPETITORS POSSIBLE PROBLEMS
S P R A Y  B O O T H  C A B I N S	* PRECISION MANUFACTURING USING ROBOTICS FOR STRUCTURAL & COMPONENT PARTS	ELIMINATES HUMAN ERROR, INSURES A PERFECT FIT UPON ASSEMBLY, DOORS SEAL AND FUNCTION PROPERLY		* CAULKING REQUIRED, DOORS DO NOT FUNCTION PROPERLY, DOORS DO NOT SEAL PROPERLY, CABIN CAN BE ASSEMBLED OUT OF SQUARE
	* PRE-PUNCHED PANELS AND STRUCTURE, NO WELDING, H CHANNEL CONSTRUCTION USING CAGE NUTS	ELIMINATES PRE-MATURE RUSTING, SOLID CONSTRUCTION, NO GUESS WORK DURING ASSEMBLY		* WELDED COMPONENTS, TECH SCREWS AND DRILLING CAN DESTROY THE GALVANIZATION CAUSING PRE-MATURE RUSTING, UNSIGHTLY APPEARANCE
	* GALVANIZED STEEL , PRIMED AND INDUSTRIAL BAKED FINISH, ALL EXTERNAL COMPONENTS	DURABLE CONSISTENT FINISH		* VARIATIONS IN FINISH
	* ALL FINISHED COMPONENTS SHIPPED WITH PROTECTIVE PLASTIC AND FOAM SPACERS	ELIMINATES SCRATCHES & DENTS DURING SHIPPING		* UNSIGHTLY TOUCH-UP & DENT REPAIR
	* SWING DOWN PLENUM FILTER RACKS	EASY FILTER CHANGE, PERIMETER COMPRESSION SEAL, 100% POSITIVE SEAL		* WIRE FILTER GRIDS, POOR SEAL, CONTAMINANTS CAN BYPASS FILTERS
	* FULL FILTERED AND BAFFLED PLENUM	ELIMINATES DEAD AIR FLOW ZONES AND UP DRAFTING		* OVERSPRAY ON WALLS AND FLOOR, COLD SPOTS WILL DEVELOP
	* PLENUM AIR DIFFUSERS WITH 10 MICRON FILTERS	BALANCED AIR FLOW THROUGH-OUT PLENUM AND THE CABIN		* WILL ENHANCE COLD SPOTS AND UP DRAFTING, WILL RESULT IN A CONTAMINATED FRESH FINISH
	* 6 TUBE HIP LIGHTS 4 TUBE WALL LIGHTS AS REQUIRED ALL FIXTURES ARE INSIDE ACCESS WITH MICRO SWITCHES	98% COLOR CORRECTIVE T8 TUBES, ENGINEERED TO EXCEED 125 FT CANDLES		* SHADOWING, TUBE REPLACEMENT DIFFICULT
	* WIRING HARNESS FOR ALL LIGHT FIXTURES	REDUCES ELECTRICIAN COSTS		* HIGHER ELECTRICAL INSTALLATION EXPENSE
	* DOUBLE SKIN INSULATED CONSTRUCTION	ENERGY EFFICIENT		* HIGH ENERGY COSTS DUE TO HEAT LOSS, IF THE UPPER HALF OF THE BOOTH IS SINGLE SKIN THE HEAT LOSS IS HIGHER
	* OVERHEAD ROLLING PARTS HANGER	CONVENIENT, CLEAN		* SAW HORSES ACCUMULATE DIRT, CAN CONTAMINATE A FRESH FINISH
	* INSULATED 4 WING FRONTAL WITH 4 WINDOWS INCLUDES A PERSONNEL DOOR WITH PANIC BAR SYSTEM	10'8" WIDE X 8'11" HIGH CLEAR OPENING		* DIFFICULT TO ENTER BOOTH IN ONE PASS WHEN TIGHT TURNING RADIUS'S EXIST, BRIXON LATCHES
	* INSULATED PERSONNEL DOOR WITH WINDOW AND PANIC BAR SYSTEM	MEETS OR EXCEEDS NATIONAL CODE REQUIREMENTS		*BRIXON LATCHES, DOOR WILL NOT SEAL PROPERLY
	* ALL DOORS HAVE ADJUSTABLE BOLTED ON HINGES WITH BRASS BUSHING, PRECISION PUNCHED DOOR FRAME AND DOORS WITH INSERTS FOR FOUR WAY ALIGNMENT	LONGEST DOOR LIFE IN THE INDUSTRY WILL WITHSTAND MANY YEARS OF USE		* WELDING, TECH SCREWS, SLOPPY CONSTRUCTION, DOORS DISTORTS WITHIN A FEW YEARS, LITTLE OR NO ADJUSTMENT

	* ALL DOORS HAVE HEAVY DURABLE RIBBED RUBBER SEALS, MECHANICALLY ATTACHED	ELIMINATES AIR LEAKS, POSITIVE SEAL LONG LASTING		* GLUED OR TAPED ON SEALS, COME LOOSE, LEAKY DOORS CAN CAUSE PRESSURE AND CONTAMINATION PROBLEMS
P I T S	* GALVANIZED GRATES 1000KG/W.P LOAD CAPACITY	STRONG, DURABLE AND LONG LASTING		* BEGIN TO SAG SOON AFTER INSTALLATION
	* BALANCING PANS	EVEN AIR FLOW AROUND VEHICLE		* UNEVEN AIRFLOW CAUSES CONTAMINATION ISSUES
	* ELEVATED FILTER GRIDS	MAXIMIZES EXHAUST FILTER LIFE		* LESS THAN 60% FILTER LIFE USED WHEN FILTERS SET DIRECTLY ON PANS
I N D U S T R I A L  H E A T E D  A I R	* 100% EFFICIENT, 1.4 MILLION BTU/h, LOW EMISSION BURNER PULL THROUGH SYSTEM	MOST ENERGY EFFICIENT, LOWEST FUEL CONSUMPTION PER BTU IN THE INDUSTRY, PULL THROUGH SYSTEM MIXES HEATED AIR, NO COLD SPOTS IN ANY CYCLE		* STANDARD PUSH THROUGH DIRECT FIRED BURNERS ARE NOT AS EFFICIENT CONSUMING MORE ENERGY COLD AIR IS NOT MIXED CAUSING COLD SPOTS IN THE CABIN IN THE CURE CYCLE ARE COMMON
	* INSULATED PRE-COAT WHITE CABINETRY FOR THE FANS, MOTORS, ELECTRONICS' AND BURNER HOUSINGS	REDUCES NOISE LEVELS TO LESS THAN 78 DB (VERY QUIET)		* DECIBEL LEVELS ABOVE 85db (VERY LOUD)
	* INTAKE AIR WITH DIRECT DRIVE HIGH EFFICIENCY TURBO FANS (SAME AS EXHAUST FAN)	2 1/2 INCH HIGH STATIC FANS FOR HIGH PERFORMANCE EVEN AS FILTERS BECOME LOADED, WILL OVERCOME STATIC PRESSURE OF DUCT OFFSETS AND LONG RUNS		* LOW STATIC INTAKE FANS CAUSING REDUCED AIR FLOW AND MORE FREQUENT FILTER CHANGES
	* EXHAUST AIR WITH DIRECT DRIVE HIGH EFFICIENCY TURBO FANS (SAME AS INTAKE FAN)	2 1/2 INCH HIGH STATIC FANS FOR HIGH PERFORMANCE EVEN WHEN FILTERS ARE READY TO BE CHANGED WILL OVERCOME STATIC PRESSURE OF DUCT OFFSETS AND LONG RUNS EXTENDS FILTER LIFE		* LOW STATIC TUBE AXIAL FANS LOOSE EFFICIENCY AS FILTERS LOAD, DUCT OFFSETS OR LONG RUNS OF DUCTWORK. IT IS DIFFICULT TO KEEP AIR FLOW BALANCED IF THE INTAKE AND EXHAUST FANS ARE NOT THE SAME STATIC LEVELS, HIGH DECIBEL LEVELS (34" 5HP TUBE AXIAL FAN IS RATED AT 89-95db) "ANYONE EXPOSED TO 85db OR HIGHER FOR 8 HOURS A DAY WILL SUFFER HEARING LOSS " OSHA
	* INTAKE FAN BAG TYPE FILTRATION IN THE INSULATED HOUSING, DIRECT DRIVE, NO BELTS, PULLEYS OR BEARINGS TO MAINTAIN	FILTERS DIRTY INTAKE AIR TO TRAVEL THROUGH THE SYSTEM, KEEPS THE BURNER AND FAN CLEAN LONGER CEILING FILTER LIFE, NO MAINTENANCE		* MOST ALL COMPETITORS HAVE THIS FEATURE IN SINGLE SKIN WELDED HOUSINGS
	* EXHAUST FAN BAG TYPE FILTRATION, IN THE INSULATED HOUSING, DIRECT DRIVE, NO BELTS, PULLEYS, BEARINGS TO MAINTAIN	CAPTURES WET OVER-SPRAY OR DRY DIRTY AIR SO THE FAN WILL NOT ACCUMULATE CRUD PROVIDING MAXIMUM PERFORMANCE WITH NO VIBRATION OR OUT OF BALANCE FANS AND NO MAINTENANCE		* REQUIRES FREQUENT MAINTENANCE AND COSTLY REPAIRS OR REPLACEMENT OF FANS WITH EVEN LONGER DOWN TIME, OVER-SPRAY ADHERING TO FAN BLADES CAUSING VIBRATION, LOW PERFORMANCE, POSSIBLE FIRE HAZARDS DUE TO OVER SPRAY BUILDING UP ON THE FAN AND DUCT WORK
	* UMBILICAL CORD FROM BURNER TO POWER PANEL	REDUCES ELECTRICAL WIRING COSTS, ALL BURNERS TESTED BEFORE SHIPMENT		* ADDITIONAL ELECTRICAL EXPENSE
	* BAKE CYCLE, THROUGH CABIN RECIRCULATION RANGING FROM 80% TO 90% BASED ON LOCAL CODES	MOST COST EFFICIENT SYSTEM DESIGNED TODAY		* IDENTIFY THAT THROUGH CABIN RECYCLE CURE IS AVAILABLE

<b>M A K E  U P   U N I T S</b>	<b>HEATED MAKE-UP UNITS AVAILABLE</b>  2 X 10 HP  2 X15 HP  4 X 7.5 HP  4 X 10 HP  <b>AS CABIN SIZES WILL GET LARGER MAKE-UP AIR UNITS MUST GET LARGER ALSO</b>	100% EFFICIENT, 1.4 MILLION BTU/h, LOW EMISSION BURNER, PULL THROUGH SYSTEM  1.4 M BTU/h,14,124 CFM @ 2.5 INCH STATIC FANS  1.4M BTU/h, 17,000 CFM @ 2.5 INCH STATIC FANS  1.4M BTU/h 19,000 CFM @ 2.5 INCH STATIC FANS  2.0M BTU/h 22,000 CFM @ 2.5 INCH STATIC FANS		* STANDARD PUSH THROUGH DIRECT FIRED BURNERS ARE NOT AS EFFICIENT CONSUMING MORE ENERGY COLD AIR IS NOT MIXED CAUSING COLD SPOTS IN THE CABIN IN THE CURE CYCLE ARE COMMON  * LOW STATIC TUBE AXIAL FANS LOOSE EFFICIENCY AS FILTERS LOAD, HAVE DUCT OFFSETS OR LONG RUNS OF DUCTWORK. IT IS DIFFICULT TO KEEP BOOTH AIR FLOW BALANCED IF THE INTAKE AND EXHAUST FANS ARE NOT THE SAME STATIC LEVELS, HIGH DECIBEL LEVELS (34" 5HP TUBE AXIAL FAN IS RATED AT 89-95db) "ANYONE EXPOSED TO 85db OR HIGHER FOR 8 HOURS A DAY WILL SUFFER HEARING LOSS " OSHA
	<b>CONTROL PANELS</b>			
	BASIC ELECTRO MECHANICAL	DIGITAL DISPLAY READ-OUT SPRAY AND BAKE TEMPERATURES AND TIMERS		
	SBC PLUS 1	EXPANDED FUNCTIONS, MULTIPLE SET POINTS, ECONOMY MODE, FILTER MONITORING, SMART CURE AND PROGRESSIVE START		
	SBC PLUS 1 & TWIN VFD'S	EXPANDED FUNCTIONS, MULTIPLE SET POINTS, ECONOMY MODE, FILTER MONITORING SMART CURE, PROGRESSIVE START AND AUTO BALANCE THE MOST ENERGY EFFICIENT PANEL IN THE INDUSTRY		
<b>O P T I O N S</b>				
	<b>AIR SPEED WATER BORNE FLASH-OFF SYSTEM</b>  REMOTE CONTROL FOR EASE OF OPERATION  SEE OUR WEBSITE TO VIEW AN ENGINEERING REPORT AND VIDEO @ <a href="http://www.blowtherm-usa.com">www.blowtherm-usa.com</a>	THE CLEANEST, FASTEST AND MOST ENERGY EFFICIENT SYSTEM AVAILABLE TODAY  NO MAINTENANCE NO ADDITIONAL INSTALLATION COST NO ADDITIONAL ELECTRICAL EXPENSE		HIGH MAINTENANCE EXPENSIVE TO INSTALL EXPENSIVE TO PURCHASE BLOWS CONTAMINATION INTO FINISH WILL NOT REACH ALL AREAS OF VEHICLE
	<b>HEAT RECUPERATION SYSTEM</b>	WILL REDUCE ENERGY COST UP 60% DEPENDING ON AVERAGE ANNUAL TEMPERATURES IN YOUR AREA		NOT AVAILABLE

	<b>ACOUSTIC SOUND TEST</b>		Data sheet n°9060328    update il 30-11-2010
<b>GENSRATING GROUP WITH A DIRECT FIRE BURNER</b>			
	<b>EXTERNAL</b>	<b>INTERNAL</b>	
		<b>Steel basement</b>	<b>Concrete Pit</b>
<b>GTV A 2 FANS (Extra)</b>			
2 x 5,5kW (2 x 7,5HP)	73 ± 2 dB(A)	74 ± 2 dB(A)	70 ± 2 dB(A)
2 x 7,5kW (2 x 10HP)	74 ± 2 dB(A)	76 ± 2 dB(A)	72 ± 2 dB(A)
<b>GTV A 2 FANS (Cram Mini)</b>			
2 x 11kW (2 x 15HP)	77 ± 3 dB(A)	78 ± 3 dB(A)	76 ± 3 dB(A)
<b>GTV A 4 FANS (Cram Extra)</b>			
4 x 5,5kW (4 x 7,5HP)	74 ± 2 dB(A)	75 ± 2 dB(A)	72 ± 2 dB(A)
4 x 7,5kW (4 x 10HP)	75 ± 3 dB(A)	77 ± 3 dB(A)	74 ± 3 dB(A)
<p><i>Thermoventilation unit are installed on the following Blowtherm's product:</i></p> <ul style="list-style-type: none"><li>• <i>Spraybooth with heat</i></li><li>• <i>Preparation station with heat</i></li></ul> <p><i>Thrse values are measured 5' from the periphery of the booth and prepm station</i></p> <p><i>This test was done with the generating Groups located inside a building constructed of brick and concrete block with a brick roof; intake and exhaust ductings are realized with 15/10 sheet metal with external inlet/outlet ducts and standard Blowtherm Caps</i></p>			

# PRODUCT GUIDE FOR TUBE AXIAL FANS

## FAN PERFORMANCE CHART FOR 1750 RPM "T" FRAME MOTORS

		CFM						dBA
HP	RPM	FREE AIR	0.25"	0.375"	0.5"	0.75"	1.0"	
1/3	1228-1332	2610-2831	1304-1608	*	*	*	*	72 - 74
1/2	1437-1541	3054-3275	1940-2282	1430-1703	*	*	*	76 - 78
3/4	1437-1854	3054-3941	1940-3326	1430-2686	*1618-2187	*	*	76 - 82
1	1593-2116	3386-4498	2461-4081	1857-3570	*1748-3021	*1700-2231	*	78 - 85
2	2116-2638	4498-5607	4081-5273	3570-5106	3021-4754	2231-3851	*2833-3140	85 - 90

		CFM						dBA
HP	RPM	FREE AIR	0.25"	0.375"	0.5"	0.75"	1.0"	
1	1437-1541	5691-6102	5142-5610	4796-5288	4353-4966	*3866	*	82 - 84
2	1593-2011	6308-7964	5842-7669	5531-7422	5334-7175	4225-6681	*4621-6019	85 - 90
3	1802-2220	7136-8791	6763-8550	6487-8340	6212-8116	5601-7669	4621-7221	*4294-5141

		CFM						dBA
HP	RPM	FREE AIR	0.25"	0.375"	0.5"	0.75"	1.0"	
2	610-835	7618-10582	5571-9363	4150-8596	*5427-7579	*	*	77 - 84
3	700-926	8804-11760	7217-10828	5979-10078	*5427-9377	*6959	*	80 - 86
5	971-1197	12379-15357	11469-14617	10810-14211	10131-13725	8322-12615	*7898-11349	*8345-9377

		CFM						dBA
HP	RPM	FREE AIR	0.25"	0.375"	0.5"	0.75"	1.0"	
2	915-1108	11978-14504	10164-13265	8740-12232	*9851-11063	*	*	84 - 87
3	979-1236	12816-16180	11248-15069	9943-14392	*9851-13373	*11076	*	86 - 92
5	1108-1429	14504-18706	13265-17746	12232-17265	11063-16649	*11076-14878	*12835	89 - 95

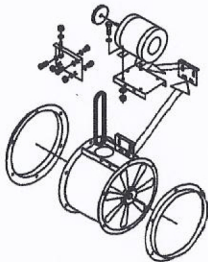
		CFM						dBA
HP	RPM	FREE AIR	0.25"	0.375"	0.5"	0.75"	1.0"	
5	915-1140	21163-26367	18374-24197	16364-23032	13626-21693	*15746-17392	*	87 - 93
7 1/2	937-1242	21672-28726	18974-26734	17189-25738	14424-24553	*16665-21157	*	88 - 95

NOTE - Sound level data given in the fan chart was obtained under laboratory conditions. It is not likely that these results will permit determination of sound power in all-site conditions.

Data published in this chart may be used for the following purposes:

- A) comparison of fans which are similar in type and size.
- B) Scaling down fan noise from one size and speed to another size and speed.

Depending on the application, configuration of the air duct, attention characteristics of material used, and acoustical condition, etc. the reduction in dB will vary.



dBA is only an estimate of sound pressure @ 5'.

\* ---- This represents the lowest possible cfm at a particular static pressure due to instability of the fan curve. The drive sheave cannot be set below a certain RPM for these ranges.