

STELLAR BLAST



UP-BLAST TRANSMISSION VERTICAL DISCHARGE ROOF FAN MADE OF ALUMINUM

CONSTRUCTIVE FEATURES

- Up-Blast exhaust fan made entirely of aluminum that guarantees excellent corrosion resistance and minimum weight.
- Oversized Belt & Pulley Transmission (150% of the installed power). Oil and Static resistant belts.
- Bearings 100% factory tested and designed specifically for air movement applications with an L10 rating of 50,000 hours.
- Anti-vibration blocks reduce motion and noise transfer between transmission system and fan housing.
- High-performance aluminum built backward inclined impeller with self-cleaning system to minimize noise and vibrations.
- Q6.3 grade, statically and dynamically balanced fan for long life and quiet operation.
- Specially designed housing for rain protection. Protective grille to prevent entry of objects.
- Drain tube for easy removal of fluids (water and grease).
- Coated motor cable to prevent overheating and ensure long motor life.
- Standardized squirrel cage asynchronous motor with IP-54 protection and class F insulation. Standard voltages 230V 50Hz single-phase and three-phase motors.
- Inox bucket for grease collection, FAT TRAP, available for installation after the drain pipe (as accessori)

APPLICATIONS

Designed for deck or roof mounting, vertical discharge, indicated for:

- Professional kitchens.
- Smoke extraction.
- Cinemas.
- Air renewal in all types of buildings and industries.
- Maximum continuous working temperature: 150°C(fluid).
- Maximum ambient temperature: 50°C.

Accessories



INT



SFC

Technical data

Single-phase motor

Code	Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
509121050	STELLAR BLAST 250 M4 0,55kW	1460	3,00	0,55	5.300	-	51	1
509122050	STELLAR BLAST 355 M4 0,75kW	1460	3,8	0,75	6.710	-	54	1
509123050	STELLAR BLAST 450 M4 1,1kW	1460	6,2	1,10	10.150	-	72	1

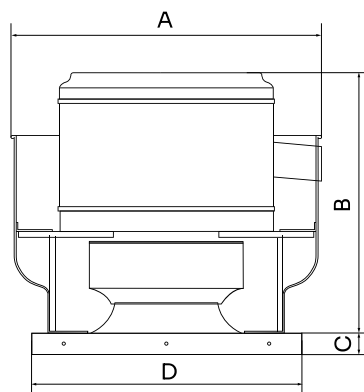
Three-phase motor

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
509124050	STELLAR BLAST 630 T4 1,5kW	1460	6,6	-	1,50	16.300	-	114	2

Notes:

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

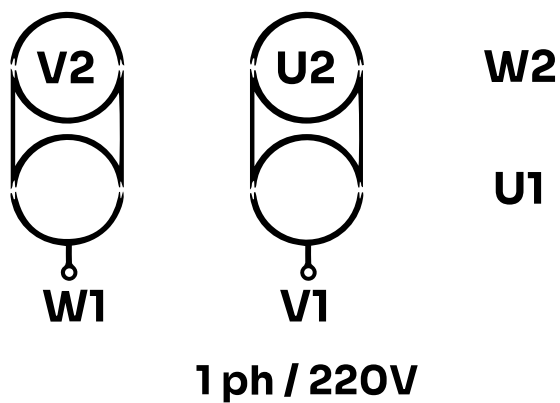
Dimensions



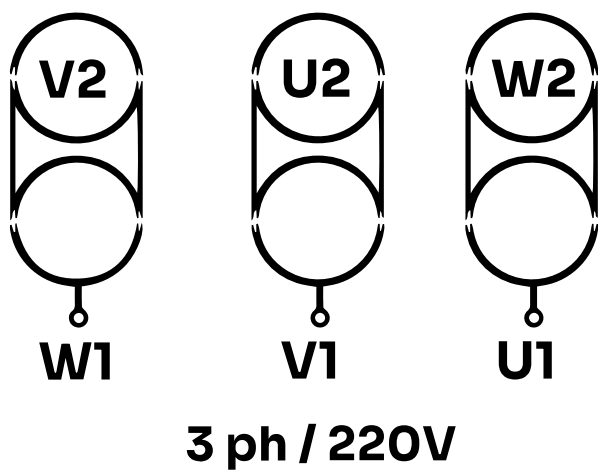
Model	A	B	C	D
STELLAR BLAST 250 M4 0,55kW	725	607	50.8	630
STELLAR BLAST 355 M4 0,75kW	725	642	50.8	630
STELLAR BLAST 450 M4 1,1kW	925	718	50.8	712
STELLAR BLAST 630 T4 1,5kW	1130	822	50.8	838

Wiring diagram

Wiring diagram Nº 1



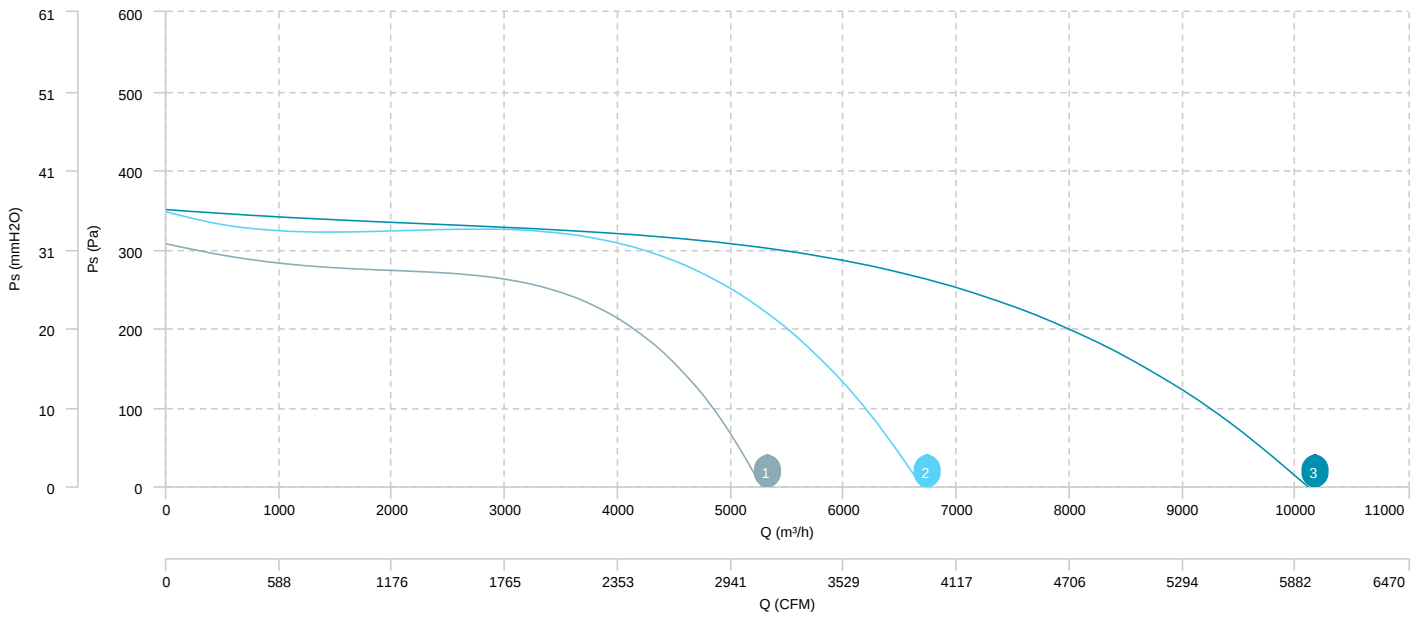
Wiring diagram Nº 2



CHARACTERISCTIC CURVE

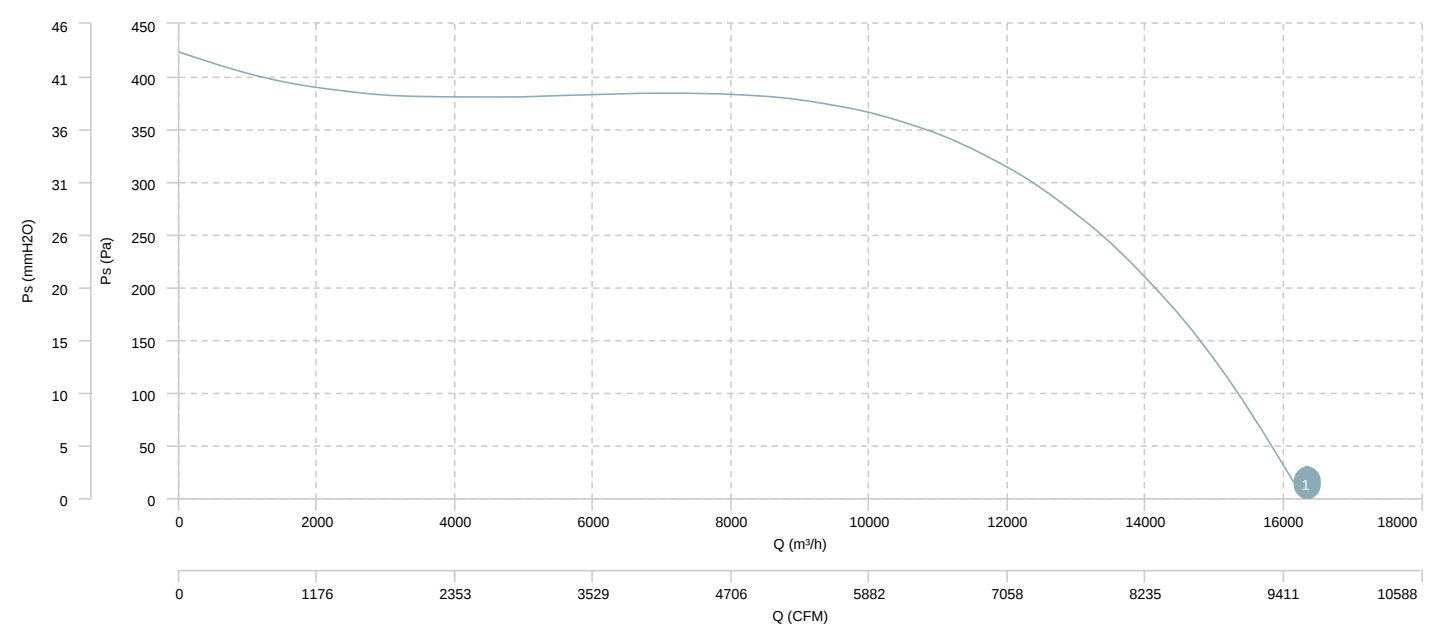
- 1 STELLAR BLAST 250 M4 0, 55kW
- 2 STELLAR BLAST 355 M4 0, 75kW
- 3 STELLAR BLAST 450 M4 1, 1kW

AIR FLOW - PRESSURE



1 STELLAR BLAST 630 T4 1,
5kW

AIR FLOW - PRESSURE



Sound data

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
STELLAR BLAST 250 M4 0,55kW (1400rpm)	Radiated	69	74	80	81	80	80	77	73	88
STELLAR BLAST 355 M4 0,75kW (1400rpm)	Radiated	68	73	79	80	79	79	76	72	87
STELLAR BLAST 450 M4 1,1kW (1000rpm)	Radiated	62	67	73	74	73	73	70	66	81
STELLAR BLAST 630 T4 1,5kW (900rpm)	Radiated	60	65	71	72	71	71	68	64	79

Notes:

* To calculate the sound power level at different rpm from those indicated above, use the following formula:

$$Lw \text{ dB(A)}_{rpmA} = Lw \text{ dB(A)}_{rpmB} + 52.5 \cdot \log_{10} \frac{rpmA}{rpmB}$$