Slingerland ventilatoren

EXHAUST FANS

PATENTED SHUTTER OPENING SYSTEM

NEW BLADES

HIGH PRESSURE SERIES

HP 140 R/S - 51"

MAIN FEATURES

NEW

EASY MOTOR UNASSEMBLY

Our new motor support arm allows the motor to be unassembled quickly without removing the pulley.

NEW

STAINLESS STEEL BLADES

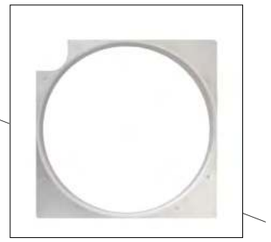
Our new blades provide our fans with increased energy efficiency and air capacity even when they are installed in big tunnels or warehouses, where pressure is high (0,12–0,24 in H2O).

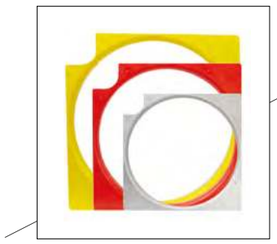
AISI 304 STAINLESS STEEL VERSION AVAILABLE

Ideal for very hard environments such as pigs and hogs breeding farms, our AISI 304 stainless steel fan is even more resistant to corrosion.

MOPLEN VENTURI NOZZLE

The moplen Venturi nozzle is very strong and provides easy installation and maintenance. It's easy to clean and it's not subject to corrosion.





CUSTOMIZABLE VENTURI NOZZLE COLOURS

The moplen Venturi nozzle can be customized with the client's company colour to obtain a unique custom product (for 500+ pieces orders).

PATENTED CENTRIFUGAL SHUTTER OPENING SYSTEM

Our patented centrifugal system with 3 rotating masses is the ideal solution to open and close the shutter without any further electrical device.

DOUBLE BEARING

In order to achieve a better balance our fans are equipped with two bearings, instead of one. The two bearings are separated by a distantial.

X SUPPORT STRUCTURE

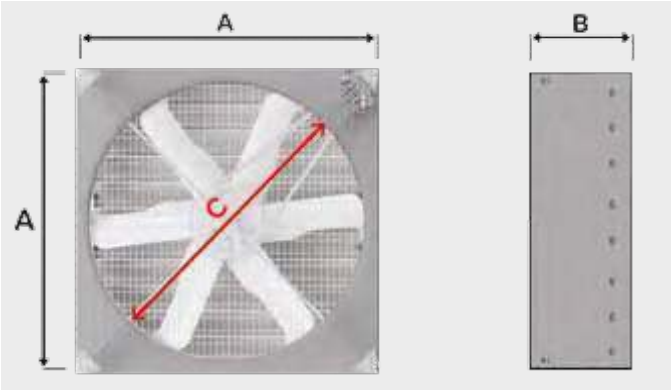
The fan structure has the particular X shape to provide more robustness and to reduce vibration. It is made of triangular profile tube for an increased strength.

METAL SHAPED SHUTTER SIDES

Metal shaped shutter sides limit the passage of light and dust inside the building when the fan is not in motion.

The fan resists humidity, heat and cold (as better clarified in the use and maintenance manual). It has been designed specifically to operate in highly corrosive environments or in environments with abrasive substances. The fan shall only be used for the purpose for which it is designed and in compliance with the law. The user has the responsibility to require an adequate motor to be in compliance with local legislations. Standard shutter wall fans are equipped with one protection grid only. Local legislations may require an additional safety grid for the shutter. This may be connected to the height of the installation. The customer is responsible to check compliance with local legislations and require an appropriate grid, if needed. Please refer to the use and maintenance manual for any further clarification.

TECHNICAL INFORMATION



NOISE LEVEL

VENTILATORI FANS EOLOSTAR	hp	LpA* dB(A)
HP 140 - 51"	1,5	74,6
	1	71,8

SIZE

TYPE TIPO	A mm	B mm	C in	WEIGHT PESO kg
HP 140 R/S - 51"	1380	405	51	68

ELECTRICAL INFORMATION

TYPE TIPO	POWER POTENZA hp	POWER POTENZA kW	VOLTAGE VOLTAGGIO V	FREQUENCY FREQUENZA Hz
HP 140 - 51"	1,5	1,1	230/400	50/60
HP 140 - 51"	1	0,75	230/400	50/60

PERFORMANCE

VENTILATORI FANS EOLOSTAR	hp	30 Pa		40 Pa		50 Pa		60 Pa	
		m^3/h	W/1000 m^3	m^3/h	W/1000 m^3	m^3/h	W/1000 m^3	m^3/h	W/1000 m^3
HP 140 - 51"	1,5	35.850	46,93	34.536	51,41	33.321	57,01	32.121	62,07
	1	32.112	36,93	28.735	41,43	25.645	48,71	21.356	55,49

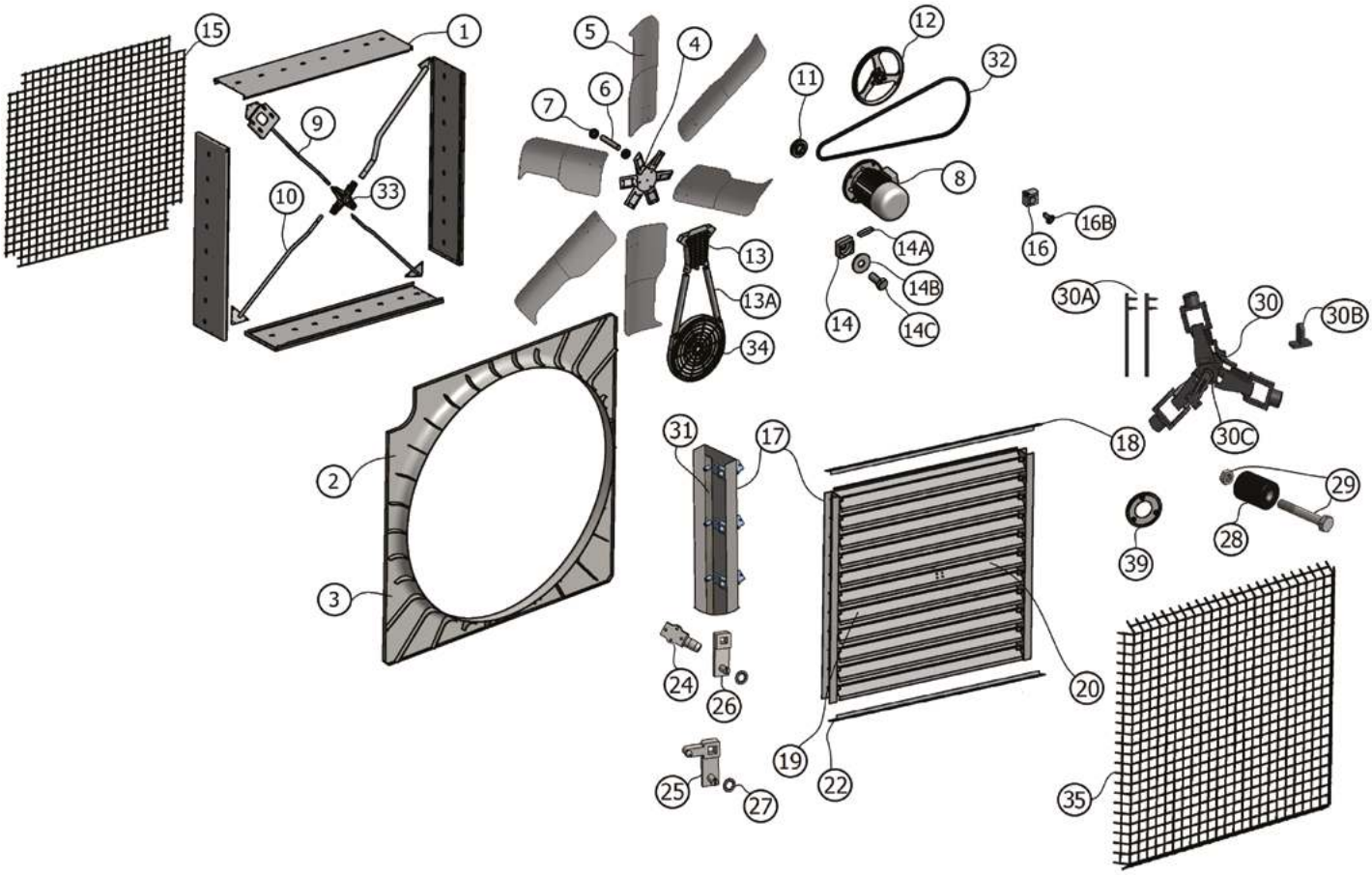
PERFORMANCE

VENTILATORI FANS EOLOSTAR	hp	0,12 in H20		0,16 in H20		0,20 in H20		0,24 in H20	
		CFM	CFM/W	CFM	CFM/W	CFM	CFM/W	CFM	CFM/W
HP 140 - 51"	1,5	21.152	12,57	20.376	11,48	19.659	10,35	18.951	9,50
	1	18.946	15,98	16.954	14,24	15.131	12,11	12.600	10,63

Our fans have been tested in compliance with UNI 7179-73P rules.
Technical information may be changed due to future improvements, without forewarning.

* Sound pressure level LpA at 2 mt in accordance with the execution rules mentioned in the ISO 3744 standard.

EXPLODED DRAWING

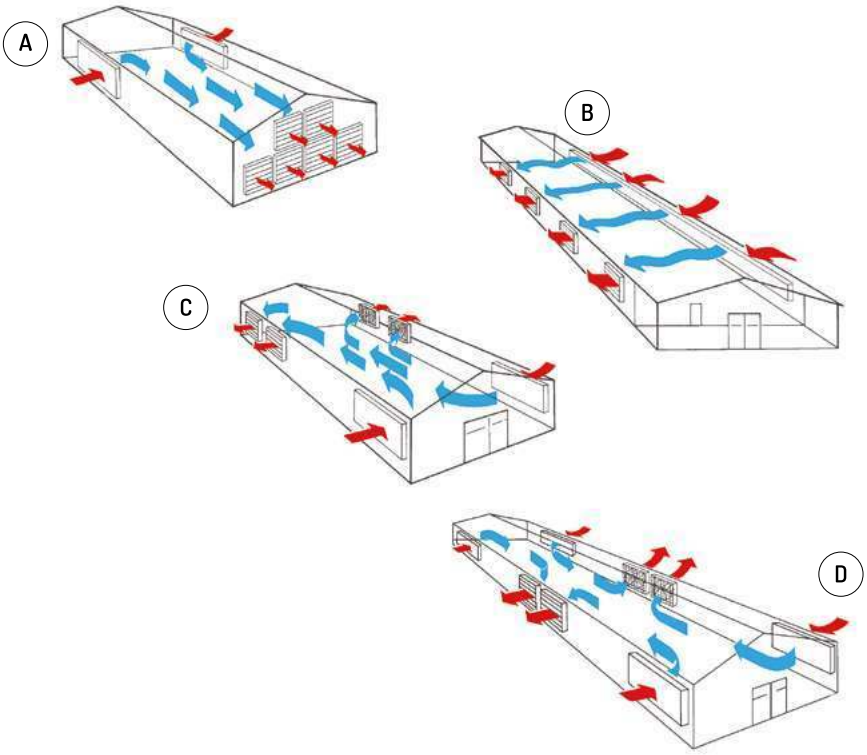


FAN COMPONENTS			
1	Box Panel	17	Shutter Side (Left + Right)
2	Venturi Nozzle 2	18	Upper angle profile
3	Venturi Nozzle 3	19	Slat 19 (Normal)
4	Blade Hub	20	Slat 20 (With Hole)
5	Blade*	22	Lower Angle Profile
6	Spacer	24	Slat Joint
7	Bearing	25	Lever 25 (Left + Right)
8	Motor	26	Lever 26
9	Arm 9 (Motor Support Arm)	28	Weight
10	Arm 10 (Standard)	29	Bolt and Nut
11	Pulley 11 (Small)	30	Centrifugal System
12	Pulley 12 (Big)	30A	Pair of Fastening Pins
13	Pulley Cover	30B	Foot
13A	Belt Cover	30C	Bearing Protection
14	Square Washer	31	Joint Connection
14A	Hub Key	32	Belt
14B	Round Washer	33	Crossing Hub
14C	Hub Bolt	34	Pulley Cover
15	Notched Grid	35	Shutter Protection Grid
16	Insert		

* Specify if the blade is old model or new model

NOTICE: For spare parts orders, please provide the model of the fan (ex. HP 80 R/S or HP 100 R/S etc.) and the reference number of the spare part.

APPLICATION PLANS



A TUNNEL VENTILATION

B CROSSWISE VENTILATION

C LENGHTWISE VENTILATION WITH HEAD CONVEYING AIR (up to 70 m)

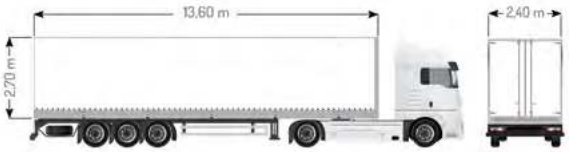
D LENGHTWISE VENTILATION WITH HEAD CONVEYING AIR (over 70 m)

ASSEMBLED FANS

TYPE TIPO	1 X 20' BOX	1 X 40' BOX / H.C.	STANDARD TRUCK*
HP 140 R/S	30	61	74

UNASSEMBLED FANS

TYPE TIPO	1 X 20' BOX	1 X 40' BOX / H.C.	STANDARD TRUCK*
HP 140 R/S	150	300	300



* STANDARD DIMENSIONS ARE SHOWN IN THE PICTURE