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Tecnología en Ventilación

Management System ISO 9001:2008
TÜVRheinland CERTIFIED
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ErP Ok

VENTILATION BOXES

MB
Motor Box
Direct Drive

CE

400°C 2h

CEB
Certified Exhaust Box 400ºC/2h
Internal Motor

TBS
Transmission Box Single
Single Inlet

TBD
Transmission Box Double
Double Inlet

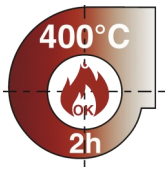
Edición 07/2016

VENTILATION BOX "MB" - MOTOR BOX - DIRECT DRIVE MOTOR FAN

- Suitable for working either as an exhaust or supply air ventilation box.
- Manufactured in galvanized steel, quality Z-275.
- Internally covered with termal and acoustic insulation.
- Double inlet centrifugal fan, forward type impeller.
- Direct drive to the impeller with closed IP-54 Protection motor, insulation Class F, ball bearings and thermal protection.
- Single-phase (230 V) or three-phase (230/400 V) motors. Poles: 4 or 6.
- Motor-fan is isolated from the box through a pair of feet with anti-vibration mounts and rubber joint in the outlet.
- Standard MB boxes are provided with direct drive fans of one speed, but under request they can be supplied with three speed motor.
- Provided with a stuffing box in order to help with the external wiring connections.
- As the roof is flat (without grooves) MB boxes can be placed outdoor and a double weatherproof roof is not necessary.
- MB range includes 14 boxes and covers from 100 m^3/h up to 10.000 m^3/h with static pressure up to 500 Pa.

VENTILATION BOX "CEB" 400^{0}C/2h - CERTIFIED EXHAUST BOX 400^{0}C/2h - MOTOR INSIDE TRANSMISSION BY PULLEYS AND BELTS

- Double use boxes, both for exhaust of conventional air and exhaust of emergency air in case of fire at 400ºC during 2h, working outside of the risk area.



- **CERTIFIED ACCORDING TO REGULATION UNE EN-12101-3:2002** by a Certified Laboratory for Fire Resistance. **CE** certification.
- Manufactured in galvanized steel, quality Z-275.
- Double inlet centrifugal fan, forward type impeller.
- Fan operated with belt and pulley transmission system. Motor located inside the box.
- Motor is located inside the box on a sliding motor support in order to facilitate the tightening of the transmission by belts and pulleys. The motor remains outside the air flow.
- Three phase motors (B3 installation). IE2/IE3 efficiency according to the European Regulation IEC. IP-55 Protection, insulation class F, ball bearings and thermal protection. Power range from 0,25 kW to 15 kW.
- Provided with a stuffing box in order to help with the external wiring connections.
- CEB range includes 9 boxes and covers from fan size 9/9 (2.000 m^3/h) to size 30/28 (50.000 m^3/h) with static pressure up to 700 Pa.
- Available with horizontal discharge (H - standard manufacture) and vertical discharge (V - under request).

VENTILATION BOX “TBS” - TRANSMISSION BOX SINGLE - SINGLE INLET FAN

- Two different series manufactured:

- **TBS-F (400ºC/2h):** Double use: exhaust of conventional air and exhaust of emergency air in case of fire at 400ºC during 2h.

- To work outside of the risk area.

- Certified fan according to Regulation **UNE EN-12101-3:2002** . **CE certification.**

- **TBS-S:** Suitable for working as an exhaust or supply air ventilation box. .

BOTH SERIES:

- Manufactured in galvanized steel, quality Z-275
- Internally covered with thermal and acoustic insulation.
- Single inlet centrifugal fan, forward type impeller.
- Fan operated with belt and pulley transmission system. Motor located inside the box
- Motor-fan group isolated from the box, mounted with anti-vibration mounts and rubber joints in the outlet and inlet discharge.
- Motor is located inside the box on a sliding motor support in order to facilitate the tightening of the transmission by belts and pulleys. The motor remains outside the air flow .
- Three phase motors (B3 installation). IE2/IE3 efficiency according to the European Regulation IEC. IP-55 Protection, insulation class F, ball bearings and thermal protection.
- TBS range includes 9 boxes and covers motor powers from 0,25 kW to 15 kW. Air flow from 1.100 m^3/h to 26.700 m^3/h and máximum static pressures between 1000 and 1200 Pa.
- Provided with a stuffing box in order to help with the external wiring connections.
- Available with horizontal discharge (H - standard manufacture) and vertical discharge (V - under request).

VENTILATION BOX “TBD” - TRANSMISSION BOX DOUBLE - DOUBLE INLET FAN

- Transmission doublé inlet ventilation box.
- Suitable for working either as an exhaust or supply air ventilation box.
- Manufactured in galvanized steel, quality Z-275.
- Internally covered with thermal and acoustic insulation.
- Double inlet centrifugal fan, forward type impeller.
- Fan operated with belt and pulley transmission system. Motor located inside the box.
- Motor-fan group isolated from the box, mounted with anti-vibration mounts and rubber joints in the outlet discharge.
- Three phase motors (B3 installation). IE2/IE3 efficiency according to the European Regulation IEC. IP-55 Protection, insulation class F, ball bearings and thermal protection. Power range covers from 0,18 kW to 15 kW.
- TBD range includes 10 boxes and covers from fan size 7/7 (1.000 m^3/h) to fan size 30/28 (50.000 m^3/h) with static pressures up to 700 Pa depending on the size.
- Provided with a stuffing box in order to help with the external wiring connections.
- Available with horizontal discharge (H - standard manufacture) and vertical discharge (V - under request).

VENTILATION BOX NOMENCLATURE

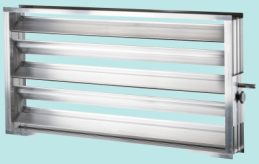
TYPE	SIZE	MOTOR CV	Nº POLES	ACCESORIES
MB	7/19	1/10	6P Single-phase	* Exhaust regulation damper (EAD). * Circular inlet connection. * Circular outlet connection. * 3 speed motors * Speed regulator (REG) * Outlet wing for outdoor mounting with anti-bird grid. * Inlet wing for outdoor mounting with bird screen.
		1/5	4P Single-phase	
		1/2		
	9/25	1/5	6P Single-phase	
		1/2	4P Single-phase	
		3/4		
	10/28	1/3	6P Single-phase	
		3/4		
		3/4	4P Single-phase	
	12/33	3/4	6P Single-phase	
		1		
		1,5	6P Three-phase	
	15/39	3	6P Three-phase	

TYPE	SIZE	DISCHARGE	MOTOR kW	MOUNTING	ACCESORIES
CEB	9/22	H (Standard)	0,25	D (Right) Standard Mounting	* Circular inlet connection * Circular outlet connection * 2 speed motors * Outlet wing for outdoor mounting with bird screen. * Anti-vibration mounts * Weatherproof roof (H construccction) * Special flexible connection (supply and exhaust)
	10/10		0,37		
	12/28		0,55		
	15/15		0,75		
	18/40		1,1		
	20/20		1,5		
	22/22	V (Under request)	2,2	I (Left) Under Request Mounting	
	25/25		3		
	30/71		4		
			5,5		
			7,5		
			11		
			15		

TYPE	SIZE	DISCHARGE	MOTOR kW	MOUNTING	ACCESORIES
TBS - S (Standard)	9/4	H (Standard)	0,25	RD-90/OR.1 (Estándar)	* Weatherproof roof (H construccction * 2 speed motors * Outlet wing for outdoor mounting with bird screen. * Three-phase speed regulator (REG) * Safety switch (start/ stop)
	10/5		0,37		
	12/6		0,55		
	15/7		0,75		
	18/9		1,1	LG-90/OR.9	
	20/10		1,5		
TBS - F (400ºC/2h)	22/11	V (Under request)	2,2	RD-0/OR.7	
	25/13		3		
	30/14		4		
			5,5		
			7,5		
			11	LG-0/OR.15	
			15		

TYPE	SIZE	DISCHARGE	MOTOR kW	MOUNTING	ACCESORIES
TBD	7/7	H (Standard)	0,18	D (Right) Standard Mounting	* Regulation damper EAD * Weatherproof roof (H construccction * 2 speed motor * Outlet wing for outdoor mounting with bird screen. * Inlet wing for outdoor mounting with bird screen.
	9/9		0,25		
	10/10		0,37		
	12/12		0,55		
	15/15		0,75		
	18/18		1,1		
	20/20	V (Under request)	1,5	I (Left) Under Request Mounting	
	22/22		2,2		
	25/25		3		
	30/28		4		
			5,5		
			7,5		
			11		
			15		

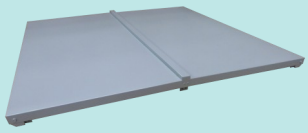
ACCESORIES



REGULATION DAMPER

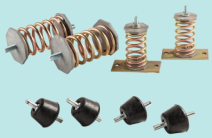
CIRCULAR CONNECTION

OUTLET WING WITH GRID

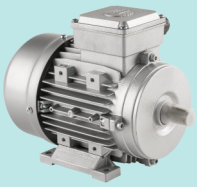


WEATHERPROOF ROOF

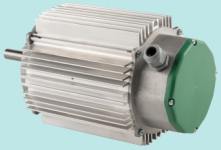
FLEXIBLE CONNECTION



ANTI-VIBRATION MOUNTS



2 SPEED MOTOR



3 SPEED MOTOR

SPEED REGULATOR

OUR SELECTION PROGRAM AND CATALOGUE WILL FACILITATE THE MOST SUITABLE BOX FOR THE INSTALLATION.

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