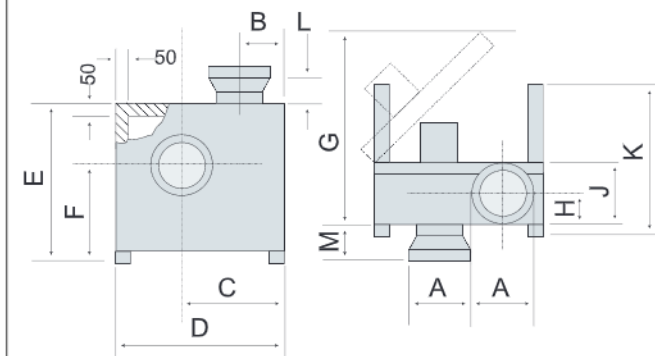




SPECIFICATION

- Casing**
 Acoustically filled double skinned galvanised sheet steel. With inlet and outlet spigots.
- Impeller**
 Forward curved centrifugal up to size 250 and backward curved centrifugal sizes 315 and above.
- Motor**
 Maintenance free motor out of airstream.
- Motor protection**
 Thermal contacts wired in series as standard.
- Terminal box**
 All terminal boxes are mounted on the motor and IP 55.
- Speed control**
 All models are speed controllable using the controllers below.
- Installation**
 Installation in any position. Note sufficient space should be allowed to "swing open" the fan.
- Sound levels**
 Sound levels are given below.
- Protection**
 Weatherproof to IP 55.



ANCILLARIES



Fan nominal size in mm	Pipe Clamps (pair)	Foot	Guard	Backdraught butterfly shutter	In-line filter box G4	Silencer (SRSD dia/length)		Fan nominal size mm	Dimensions in mm											
									A	B	C	D	E	F	G	H	J	K	L	M
160	BM 200	included	SGR 200	RSK 200	LFBR 200 G4	SRSD 200/600		160	200	127.4	248	435	411	242	491	149	207	450	80	45
180	BM 200	included	SGR 200	RSK 200	LFBR 200 G4	SRSD 200/600		180	200	134.4	269	470	441	259	491	161	219	450	130	78
200	BM 200	included	SGR 200	RSK 200	LFBR 200 G4	SRSD 200/600		200	200	142.7	292	510	474	278	491	174	232	450	130	78
225	BM 250	included	SGR 250	RSK 250	LFBR 250 G4	SRSD 250/600		225	250	146.5	301	522	484	287	655	193	251	600	75	40
250	BM 315	included	SGR 315	RSK 315	LFBR 315 G4	SRSD 315/600		250	315	161.5	333	576	529	311	655	213	272	600	95	60
280	BM 315	included	SGR 315	RSK 315	LFBR 315 G4	SRSD 315/600		280	315	171.5	360	625	566	324	655	234	291	600	105	70
315	—	included	—	RSK 355	LFBR 355 G4	RSD 355/800		315	355	187.5	398	690	629	428	873.5	249	307	600	130	95
355	—	included	—	RSK 400	LFBR 400 G4	RSD 400/600		355	400	206.7	451	770	684	401	873.5	273	331	800	145	110
400	—	included	—	RSK 400	LFBR 400 G4	RSD 400/600		400	400	206.7	451	770	684	401	873.5	273	331	800	145	110



MegaBox centrifugal fans 160 to 400 mm diameter

Hotline:
01206 228 500

Helios
HighVent®

Single phase models 230 V / 1 ph. / 50 Hz

SELECTION DATA

Fan code	Speed	Volume flow m³/s against static pressure Pa.													Motor power	Current		Max. air flow temp		Speed controller	Weight	Sound level @ 4 m
		0	50	100	200	300	400	500	600	700	800	1000	1500	2000		full load	speed controlled	standard	speed controlled			
	rpm														kW	A	A	+°C	+°C	Transformer	kg	dB(A)
MBW 160/4	1350	0.226	0.200	0.172											0.18	0.9	1.1	100	60	TSW 1.5	25.0	52
MBW 180/4	1380	0.358	0.331	0.303	0.219										0.34	1.8	1.8	100	60	TSW 3.0	29.0	55
MBW 200/4	1380	1)	1)	0.447	0.367										0.54	2.4	2.8	100	60	TSW 5.0	35.0	58
MBW 225/4	1400	1)	1)	0.686	0.606	0.508									0.85	4.5	5.5	100	60	TSW 7.5	40.0	62
MBW 250/4	1370	1)	1)	1.025	0.942	0.847	0.728								1.78	8.2	8.2	100	60	TSW10	52.0	66
MBW 280/6	920	1)	1)	0.900	0.761										1.25	6.8	6.8	100	60	TSW 7.5	60.0	60
MBW 315/6	940	0.375	0.303	0.217											0.14	0.8	0.8	100	60	TSW 1.5	71.1	38
MBW 315/4	1400	0.533	0.494	0.425	0.300										0.25	1.5	1.5	100	60	TSW 3.0	72.0	50
MBW 355/6	910	1)	0.447	0.336	0.097										0.16	0.84	0.84	100	60	TSW 1.5	78.0	41
MBW 355/4	1370	1)	0.719	0.656	0.540	0.419	0.283								0.33	1.75	1.75	100	60	TSW 3.0	81.0	53
MBW 400/6	850	0.614	0.525	0.447	0.256										0.19	0.95	0.95	100	60	TSW 3.0	82.0	43
MBW 400/4	1360	0.992	0.931	0.881	0.778	0.678	0.569	0.425	0.183						0.50	2.3	3.0	100	60	TSW 5.0	85.0	56

1) These duties are not available as the fan requires the minimum pressure shown.

Three phase models 400 V / 3 ph. / 50 Hz

SELECTION DATA

Fan code	Speed	Volume flow m³/s against static pressure Pa. at high speed													Motor power	Current		Max. air flow temp		Speed controller	Weight	Sound level @ 4 m
		0	50	100	200	300	400	500	600	700	800	1000	1500	2000		full load	speed controlled	standard	speed controlled			
	rpm														kW	A	A	+°C	+°C	Transformer	kg	dB(A)
MBD 160/4/4	1200/1390	0.231	0.204	0.174	0.134										0.19	0.65	0.65	100	60	TSD 0.8	24.0	52
MBD 160/2/2	2250/2800	1)	1)	0.494	0.469	0.438	0.406	0.370	0.330	0.278					1.10	2.2	2.5	100	60	TSD 3.0	34.0	67
MBD 180/4/4	1250/1380	0.358	0.331	0.300	0.217										0.31	0.9	0.9	100	60	TSD 1.5	29.0	55
MBD 180/2/2	2450/2850	0.781	0.770	0.758	0.729	0.698	0.666	0.628	0.590	0.549	0.499				2.46	5.1	5.5	100	60	TSD 7.0	36.0	70
MBD 200/4/4	1160/1360	0.492	0.467	0.436	0.356										0.55	1.7	1.7	100	60	TSD 3.0	38.0	58
MBD 225/4/4	1070/1350	0.714	0.683	0.650	0.575	0.475									0.88	1.8	1.8	100	60	TSD 3.0	38.0	62
MBD 250/4/4	1030/1360	1)	1)	1)	0.967	0.869	0.747	0.486							1.50	3.2	3.2	100	60	TSD 5.5	51.0	66
MBD 280/6/6	695/870	1)	1)	0.872	0.700										0.89	2.0	2.0	100	60	TSD 3.0	60.0	60
MBD 280/4/4	1170/1320	1)	1)	1)	1)	1)	1.175	1.033	0.833						2.10	4.0	4.0	100	60	TSD 5.5	68.0	69
MBD 315/4/4	1305/1425	0.569	0.533	0.478	0.356	0.258	0.174								0.22	0.9	0.9	100	60	TSD 1.5	72.0	50
MBD 315/2/2	2270/2780	1.106	1.086	1.061	1.017	0.958	0.972	0.847	0.764	0.731	0.678	0.581	0.222		1.16	2.2	2.4	100	60	TSD 3.0	75.0	68
MBD 355/4/4	1175/1370	0.783	0.739	0.683	0.547	0.431	0.294								0.32	0.95	0.95	100	60	TSD 1.5	81.0	53
MBD 355/2/2	2510/2840	1.611	1.603	1.578	1.522	1.467	1.397	1.333	1.269	1.219	1.156	1.027	0.75		2.20	5.0	5.5	100	60	TSD 7.0	100.0	72
MBD 400/4/4	1160/1370	0.978	0.919	0.864	0.769	0.667	0.564	0.417							0.52	1.74	1.74	100	60	TSD 3.0	82.0	56
MBD 400/2/2	2510/2840	2.083	2.050	2.019	1.964	1.897	1.850	1.800	1.753	1.703	1.664	1.558	1.314	0.972	3.75	6.1	9.0	100	60	TSD 11	110.0	78

ATEX certified explosion proof models available ring 01206 228 500.

1) These duties are not available as the fan requires the minimum pressure shown.

