

MBCA



CENTRIFUGAL FAN TO MOVE CLEAN AIR

MANUFACTURING FEATURES:

- Fan made of Fe360 sheet.
- The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Single inlet forward curved impeller made of Fe360 sheet statically and dynamically balanced.
- Impellers are painted with polyester primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- It allows adjusting the orientation locally from models.
- Optional front support up to size 500, size 560 and upper front support is included.

- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270

APPLICATIONS:

- Designed for inline installation, they are suitable for:
- Industrial applications, extraction or injection of air.
 - Cooling of machines and parts.
 - Suitable for transporting totally clean air without dust.
 - Steam aspiration in places where moving large volumes of air at low pressures.
 - Maximum working temperature: carried air 130°C; environment 60°C.

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- C4 coating painting
- Hot dip galvanized
- Special steel (Cor-Ten A, Hardox...)
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Cooling wheel
- Anticaloric paint
- Reinforced housing
- Fully welded housing (waterproof)
- Welded impeller
- Insulated housing
- Split casing (for big sizes)
- Inspection door to facilitate maintenance and cleaning
- Drain plug.
- Airtight axle
- Frontal foot
- Double suction flange
- Available in non-sparking air passage and standard motor.
- Other brands of motors.

Accessories



AB



AC



AVR



AVS



BA-400



BADS



BIDS



EI



FS



INT



JE 45



RA



RI



SFC

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
501401816	MBCA 180 T2 0,55kW	2800	2,23	1,29	0,55	1.230	47	19	1
501401818	MBCA 180 T2 1,1kW	2800	4,05	2,33	1,10	1.810	51	25	1
501402018	MBCA 200 T2 1,1kW	2800	4,05	2,33	1,10	1.810	51	27	1
501402027	MBCA 200 T2 2,2kW	2840	7,97	4,58	2,20	2.890	56	33	1
501402219	MBCA 220 T2 1,5kW	2865	5,83	3,14	1,50	2.170	52	32	1
501402229	MBCA 220 T2 3kW	2880	10,3	5,92	3,00	3.970	59	41	1
501402529	MBCA 250 T2 3kW	2880	10,3	5,92	3,00	3.250	56	51	1
501402532	MBCA 250 T2 4kW	2880	13,3	7,63	4,00	4.690	60	60	1
501402834	MBCA 280 T2 5,5kW	2910	-	10,6	5,50	4.690	60	82	1
501402836	MBCA 280 T2 7,5kW	2910	-	14,1	7,50	6.130	63	90	1

Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
501402240	MBCA 220 T4 0,18kW	1400	1,07	0,62	0,18	1.230	39	26	1
501402242	MBCA 220 T4 0,37kW	1370	1,86	1,07	0,37	1.810	40	28	1
501402542	MBCA 250 T4 0,37kW	1370	1,86	1,07	0,37	1.810	43	30	1
501402543	MBCA 250 T4 0,55kW	1440	2,57	1,49	0,55	2.530	47	33	1
501402844	MBCA 280 T4 0,75kW	1410	2,83	1,63	0,75	3.010	47	40	1
501402845	MBCA 280 T4 1,1kW	1450	4,33	2,49	1,10	3.810	51	42	1
501403146	MBCA 310 T4 1,5kW	1450	5,67	3,26	1,50	4.310	51	50	1
501403154	MBCA 310 T4 2,2kW	1435	8,07	4,64	2,20	5.410	55	58	1
501403554	MBCA 350 T4 2,2kW	1435	8,07	4,64	2,20	5.410	52	66	1
501403556	MBCA 350 T4 3kW	1420	10,7	6,17	3,00	7.210	56	66	1
501403559	MBCA 350 T4 4kW	1440	14,5	8,32	4,00	7.930	58	76	1
501404061	MBCA 400 T4 5,5kW	1460	-	10,5	5,50	7.930	58	100	1
501404063	MBCA 400 T4 7,5kW	1455	-	14,1	7,50	10.810	61	108	1
501404563	MBCA 450 T4 7,5kW	1455	-	14,1	7,50	10.090	57	112	1
501404552	MBCA 450 T4 15kW	1465	-	29,8	15,00	18.010	65	170	1
501405052	MBCA 500 T4 15kW	1465	-	29,8	15,00	16.210	61	200	1
501405055	MBCA 500 T4 22kW	1465	-	40,1	22,00	21.610	65	272	1
501405655	MBCA 560 T4 22kW	1465	-	40,1	22,00	21.610	61	313	1
501405658	MBCA 560 T4 37kW	1470	-	69,2	37,00	32.410	68	497	1

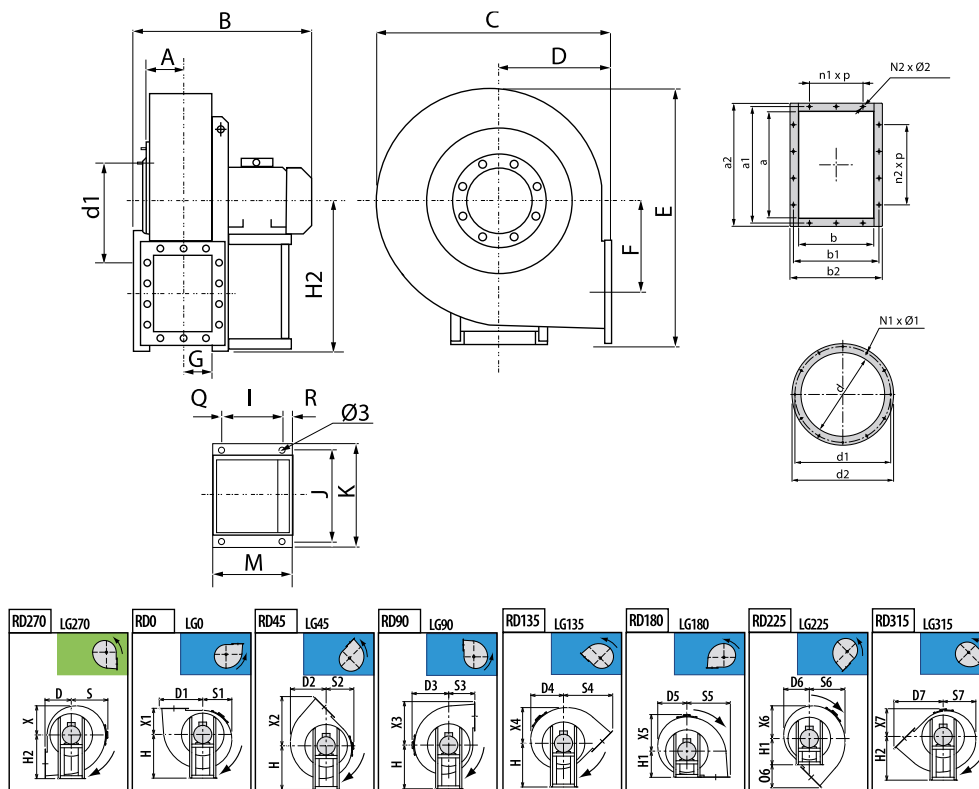
Three-phase motor / 6 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
501403170	MBCA 310 T6 0,37kW	900	2,2	1,27	0,37	2.170	41	43	1
501403171	MBCA 310 T6 0,55kW	900	3,00	1,8	0,55	3.250	45	44	1
501403572	MBCA 350 T6 0,75kW	925	3,39	1,95	0,75	3.970	46	56	1
501403573	MBCA 350 T6 1,1kW	925	4,83	2,78	1,10	5.410	49	59	1
501404074	MBCA 400 T6 1,5kW	940	6,45	3,71	1,50	5.410	48	82	1
501404078	MBCA 400 T6 2,2kW	965	10,3	5,94	2,20	7.930	51	90	1
501404580	MBCA 450 T6 3kW	960	12,7	7,3	3,00	9.010	52	112	1
501405083	MBCA 500 T6 4kW	960	16,5	9,46	4,00	9.010	52	153	1
501405085	MBCA 500 T6 5,5kW	960	-	12,8	5,50	10.810	55	153	1
501405687	MBCA 560 T6 7,5kW	965	-	15,2	7,50	16.210	55	221	1
501405675	MBCA 560 T6 11kW	965	-	22,6	11,00	21.610	61	233	1
501406375	MBCA 630 T6 11kW	965	-	22,6	11,00	19.810	56	243	1
501406377	MBCA 630 T6 18,5kW	975	-	35,7	18,50	28.810	63	400	1

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	D1	D2	D3	D4	D5
MBCA 180 T2 0,55kW	67	345	325	145	236	185	210	173	155
MBCA 180 T2 1,1kW	67	365	325	145	236	185	210	173	155
MBCA 200 T2 1,1kW	77	413	368	165	259	210	233	195	177
MBCA 200 T2 2,2kW	77	453	368	165	259	210	233	195	177
MBCA 220 T2 1,5kW	85	471	410	180	286	235	260	220	196
MBCA 220 T2 3kW	85	541	410	180	286	235	260	220	196
MBCA 220 T4 0,18kW	85	386	410	180	286	235	260	220	196
MBCA 220 T4 0,37kW	85	411	410	180	286	235	260	220	196
MBCA 250 T2 3kW	94	560	441	195	313	255	276	235	212
MBCA 250 T2 4kW	94	560	441	195	313	255	276	235	212
MBCA 250 T4 0,37kW	94	430	441	195	313	255	276	235	212
MBCA 250 T4 0,55kW	94	450	441	195	313	255	276	235	212
MBCA 280 T2 5,5kW	105	647	477	200	356	287	305	262	230
MBCA 280 T2 7,5kW	105	647	477	200	356	287	305	262	230
MBCA 280 T4 0,75kW	105	475	477	200	356	287	305	262	230
MBCA 280 T4 1,1kW	105	475	477	200	356	287	305	262	230
MBCA 310 T4 1,5kW	117	539	527	225	397	316	332	288	256
MBCA 310 T4 2,2kW	117	539	527	225	397	316	332	288	256

Model	A	B	C	D	D1	D2	D3	D4	D5
MBCA 310 T6 0,37kW	117	499	527	225	397	316	332	288	256
MBCA 310 T6 0,55kW	117	499	527	225	397	316	332	288	256
MBCA 350 T4 2,2kW	130	636	600	255	437	359	375	325	289
MBCA 350 T4 3kW	130	636	600	255	437	359	375	325	289
MBCA 350 T4 4kW	130	636	600	255	437	359	375	325	289
MBCA 350 T6 0,75kW	130	566	600	255	437	359	375	325	289
MBCA 350 T6 1,1kW	130	566	600	255	437	359	375	325	289
MBCA 400 T4 5,5kW	147	730	655	285	487	387	400	353	311
MBCA 400 T4 7,5kW	147	730	655	285	487	387	400	353	311
MBCA 400 T6 1,5kW	147	668	655	285	487	387	400	353	311
MBCA 400 T6 2,2kW	147	668	655	285	487	387	400	353	311
MBCA 450 T4 7,5kW	163	764	735	320	542	435	445	398	354
MBCA 450 T4 15kW	163	900	735	320	542	435	445	398	354
MBCA 450 T6 3kW	163	764	735	320	542	435	445	398	354
MBCA 500 T4 15kW	183	939	832	360	597	490	502	450	401
MBCA 500 T4 22kW	183	1014	832	360	597	490	502	450	401
MBCA 500 T6 4kW	183	939	832	360	597	490	502	450	401
MBCA 500 T6 5,5kW	183	939	832	360	597	490	502	450	401

Model	D6	D7	E	F	G	H	H1	H2	I
MBCA 180 T2 0,55kW	168	270	391	108	67	245	145	236	121
MBCA 180 T2 1,1kW	168	270	391	108	67	245	145	236	121
MBCA 200 T2 1,1kW	185	300	440	120	76	265	165	265	133
MBCA 200 T2 2,2kW	185	300	440	120	76	265	165	265	133
MBCA 220 T2 1,5kW	200	330	495	135	86	300	180	300	133
MBCA 220 T2 3kW	200	330	495	135	86	300	180	300	197
MBCA 220 T4 0,18kW	200	330	495	135	86	300	180	300	86
MBCA 220 T4 0,37kW	200	330	495	135	86	300	180	300	121
MBCA 250 T2 3kW	215	359	526	149	96	315	195	315	197
MBCA 250 T2 4kW	215	359	526	149	96	315	195	315	197
MBCA 250 T4 0,37kW	215	359	526	149	96	315	195	315	121
MBCA 250 T4 0,55kW	215	359	526	149	96	315	195	315	121
MBCA 280 T2 5,5kW	226	393	610	172	105	375	200	375	237
MBCA 280 T2 7,5kW	226	393	610	172	105	375	200	375	237
MBCA 280 T4 0,75kW	226	393	610	172	105	375	200	375	121
MBCA 280 T4 1,1kW	226	393	610	172	105	375	200	375	121
MBCA 310 T4 1,5kW	253	440	658	196	117	400	225	400	133
MBCA 310 T4 2,2kW	253	440	658	196	117	400	225	400	133
MBCA 310 T6 0,37kW	253	440	658	196	117	400	225	400	121
MBCA 310 T6 0,55kW	253	440	658	196	117	400	225	400	121

Model	D6	D7	E	F	G	H	H1	H2	I
MBCA 350 T4 2,2kW	278	492	740	216	131	450	255	450	197
MBCA 350 T4 3kW	278	492	740	216	131	450	255	450	197
MBCA 350 T4 4kW	278	492	740	216	131	450	255	450	197
MBCA 350 T6 0,75kW	278	492	740	216	131	450	255	450	133
MBCA 350 T6 1,1kW	278	492	740	216	131	450	255	450	133
MBCA 400 T4 5,5kW	306	543	815	245	147	500	285	500	237
MBCA 400 T4 7,5kW	306	543	815	245	147	500	285	500	237
MBCA 400 T6 1,5kW	306	543	815	245	147	500	285	500	197
MBCA 400 T6 2,2kW	306	543	815	245	147	500	285	500	197
MBCA 450 T4 7,5kW	342	609	915	275	165	560	320	560	237
MBCA 450 T4 15kW	342	609	915	275	165	560	320	560	337
MBCA 450 T6 3kW	342	609	915	275	165	560	320	560	237
MBCA 500 T4 15kW	380	676	1000	303	185	600	360	600	337
MBCA 500 T4 22kW	380	676	1000	303	185	600	360	600	357
MBCA 500 T6 4kW	380	676	1000	303	185	600	360	600	197
MBCA 500 T6 5,5kW	380	676	1000	303	185	600	360	600	337

Model	J	K	M	N1xØ1	N2xØ2	O6	Q	R	S
MBCA 180 T2 0,55kW	203	225	211	Nº8 M6x20	6x12	125	45	45	210
MBCA 180 T2 1,1kW	203	225	211	Nº8 M6x20	6x12	125	45	45	210
MBCA 200 T2 1,1kW	234	260	246	Nº8 M6x20	8x12	135	55	58	233
MBCA 200 T2 2,2kW	234	260	246	Nº8 M6x20	8x12	135	55	58	233
MBCA 220 T2 1,5kW	234	260	246	Nº8 M6x20	8x12	150	55	58	260
MBCA 220 T2 3kW	289	324	276	Nº8 M6x20	8x12	150	30	49	260
MBCA 220 T4 0,18kW	184	206	145	Nº8 M6x20	8x12	150	45	14	260
MBCA 220 T4 0,37kW	203	225	189	Nº8 M6x20	8x12	150	45	23	260
MBCA 250 T2 3kW	289	324	276	Nº8 M6x20	10x12	164	30	49	276
MBCA 250 T2 4kW	289	324	276	Nº8 M6x20	10x12	164	30	49	276
MBCA 250 T4 0,37kW	203	225	189	Nº8 M6x20	10x12	164	45	23	276
MBCA 250 T4 0,55kW	203	225	211	Nº8 M6x20	10x12	164	45	45	276
MBCA 280 T2 5,5kW	337	372	336	Nº8 M6x20	10x12	193	40	59	305

Model	J	K	M	N1xØ1	N2xØ2	O6	Q	R	S
MBCA 280 T2 7,5kW	337	372	336	Nº8 M6x20	10x12	193	40	59	305
MBCA 280 T4 0,75kW	203	225	211	Nº8 M6x20	10x12	193	45	45	305
MBCA 280 T4 1,1kW	203	225	211	Nº8 M6x20	10x12	193	45	45	305
MBCA 310 T4 1,5kW	234	260	246	Nº8 M6x20	10x12	215	55	58	332
MBCA 310 T4 2,2kW	234	260	246	Nº8 M6x20	10x12	215	55	58	332
MBCA 310 T6 0,37kW	203	225	211	Nº8 M6x20	10x12	215	45	45	332
MBCA 310 T6 0,55kW	203	225	211	Nº8 M6x20	10x12	215	45	45	332
MBCA 350 T4 2,2kW	289	324	276	Nº8 M8x25	10x12	237	30	49	375
MBCA 350 T4 3kW	289	324	276	Nº8 M8x25	10x12	237	30	49	375
MBCA 350 T4 4kW	289	324	276	Nº8 M8x25	10x12	237	30	49	375
MBCA 350 T6 0,75kW	234	260	246	Nº8 M8x25	10x12	237	55	58	375
MBCA 350 T6 1,1kW	234	260	246	Nº8 M8x25	10x12	237	55	58	375
MBCA 400 T4 5,5kW	337	372	336	Nº8 M8x25	14x12	258	40	59	400
MBCA 400 T4 7,5kW	337	372	336	Nº8 M8x25	14x12	258	40	59	400
MBCA 400 T6 1,5kW	289	324	276	Nº8 M8x25	14x12	258	30	49	400
MBCA 400 T6 2,2kW	289	324	276	Nº8 M8x25	14x12	258	30	49	400
MBCA 450 T4 7,5kW	237	372	336	Nº8 M8x25	14x12	289	40	59	445
MBCA 450 T4 15kW	395	440	436	Nº8 M8x25	14x12	289	50	49	445
MBCA 450 T6 3kW	337	372	336	Nº8 M8x25	14x12	289	40	59	445
MBCA 500 T4 15kW	395	440	436	Nº8 M10x30	14x12	316	50	49	502
MBCA 500 T4 22kW	434	488	460	Nº8 M10x30	14x12	316	70	33	502
MBCA 500 T6 4kW	289	324	336	Nº8 M10x30	14x12	316	30	59	502
MBCA 500 T6 5,5kW	395	440	436	Nº8 M10x30	14x12	316	50	49	502

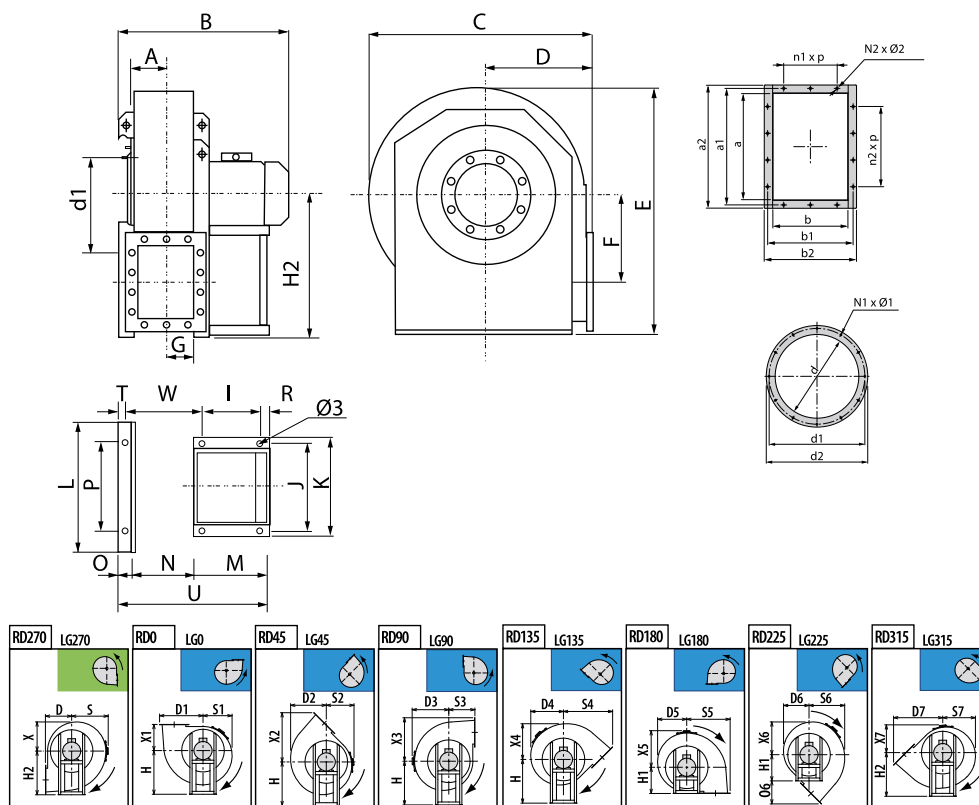
Model	S1	S2	S3	S4	S5	S6	S7	X	X1
MBCA 180 T2 0,55kW	155	168	145	270	236	185	173	155	145
MBCA 180 T2 1,1kW	155	168	145	270	236	185	173	155	145
MBCA 200 T2 1,1kW	177	185	165	300	259	210	195	177	165
MBCA 200 T2 2,2kW	177	185	165	300	259	210	195	177	165
MBCA 220 T2 1,5kW	196	200	180	330	286	235	220	196	180
MBCA 220 T2 3kW	196	200	180	330	286	235	220	196	180
MBCA 220 T4 0,18kW	196	200	180	330	286	235	220	196	180
MBCA 220 T4 0,37kW	196	200	180	330	286	235	220	196	180
MBCA 250 T2 3kW	212	215	195	359	313	255	235	212	195
MBCA 250 T2 4kW	212	215	195	359	313	255	235	212	195
MBCA 250 T4 0,37kW	212	215	195	359	313	255	235	212	195
MBCA 250 T4 0,55kW	212	215	195	359	313	255	235	212	195
MBCA 280 T2 5,5kW	230	226	200	393	356	287	262	230	200
MBCA 280 T2 7,5kW	230	226	200	393	356	287	262	230	200
MBCA 280 T4 0,75kW	230	226	200	393	356	287	262	230	200
MBCA 280 T4 1,1kW	230	226	200	393	356	287	262	230	200
MBCA 310 T4 1,5kW	256	253	225	440	397	316	288	256	255
MBCA 310 T4 2,2kW	256	253	225	440	397	316	288	256	255
MBCA 310 T6 0,37kW	256	253	225	440	397	316	288	256	255
MBCA 310 T6 0,55kW	256	253	225	440	397	316	288	256	255
MBCA 350 T4 2,2kW	289	278	255	492	437	359	325	289	255
MBCA 350 T4 3kW	289	278	255	492	437	359	325	289	255
MBCA 350 T4 4kW	289	278	255	492	437	359	325	289	255
MBCA 350 T6 0,75kW	289	278	255	492	437	359	325	289	255
MBCA 350 T6 1,1kW	289	278	255	492	437	359	325	289	255
MBCA 400 T4 5,5kW	311	306	285	543	487	387	353	311	285
MBCA 400 T4 7,5kW	311	306	285	543	487	387	353	311	285
MBCA 400 T6 1,5kW	311	306	285	543	487	387	353	311	285
MBCA 400 T6 2,2kW	311	306	285	543	487	387	353	311	285
MBCA 450 T4 7,5kW	354	342	320	609	542	435	398	354	320
MBCA 450 T4 15kW	354	342	320	609	542	435	398	354	320
MBCA 450 T6 3kW	354	342	320	609	542	435	398	354	320
MBCA 500 T4 15kW	401	380	360	676	597	490	450	401	360
MBCA 500 T4 22kW	401	380	360	676	597	490	450	401	360
MBCA 500 T6 4kW	401	380	360	676	597	490	450	401	360
MBCA 500 T6 5,5kW	401	380	360	676	597	490	450	401	360

Model	X2	X3	X4	X5	X6	X7	a	a1	a2
MBCA 180 T2 0,55kW	270	236	185	210	173	168	185	219	255
MBCA 180 T2 1,1kW	270	236	185	210	173	168	185	219	255

Model	X2	X3	X4	X5	X6	X7	a	a1	a2
MBCA 200 T2 1,1kW	300	259	210	233	195	185	207	241	277
MBCA 200 T2 2,2kW	300	259	210	233	195	185	207	241	277
MBCA 220 T2 1,5kW	330	286	235	260	220	200	231	265	301
MBCA 220 T2 3kW	330	286	235	260	220	200	231	265	301
MBCA 220 T4 0,18kW	330	286	235	260	220	200	231	265	301
MBCA 220 T4 0,37kW	330	286	235	260	220	200	231	265	301
MBCA 250 T2 3kW	359	313	255	276	235	215	258	292	328
MBCA 250 T2 4kW	359	313	255	276	235	215	258	292	328
MBCA 250 T4 0,37kW	359	313	255	276	235	215	258	292	328
MBCA 250 T4 0,55kW	359	313	255	276	235	215	258	292	328
MBCA 280 T2 5,5kW	393	356	287	305	262	226	288	332	368
MBCA 280 T2 7,5kW	393	356	287	305	262	226	288	332	368
MBCA 280 T4 0,75kW	393	356	287	305	262	226	288	332	368
MBCA 280 T4 1,1kW	393	356	287	305	262	226	288	332	368
MBCA 310 T4 1,5kW	440	397	316	332	288	253	322	366	402
MBCA 310 T4 2,2kW	440	397	316	332	288	253	322	366	402
MBCA 310 T6 0,37kW	440	397	316	332	288	253	322	366	402
MBCA 310 T6 0,55kW	440	397	316	332	288	253	322	366	402
MBCA 350 T4 2,2kW	492	437	359	375	325	278	361	405	441
MBCA 350 T4 3kW	492	437	359	375	325	278	361	405	441
MBCA 350 T4 4kW	492	437	359	375	325	278	361	405	441
MBCA 350 T6 0,75kW	492	437	359	375	325	278	361	405	441
MBCA 350 T6 1,1kW	492	437	359	375	325	278	361	405	441
MBCA 400 T4 5,5kW	543	487	387	400	353	306	404	448	484
MBCA 400 T4 7,5kW	543	487	387	400	353	306	404	448	484
MBCA 400 T6 1,5kW	543	487	387	400	353	306	404	448	484
MBCA 400 T6 2,2kW	543	487	387	400	353	306	404	448	484
MBCA 450 T4 7,5kW	609	542	435	445	398	342	453	497	533
MBCA 450 T4 15kW	609	542	435	445	398	342	453	497	533
MBCA 450 T6 3kW	609	542	435	445	398	342	453	497	533
MBCA 500 T4 15kW	676	597	490	502	450	380	507	551	578
MBCA 500 T4 22kW	676	597	490	502	450	380	507	551	578
MBCA 500 T6 4kW	676	597	490	502	450	380	507	551	578
MBCA 500 T6 5,5kW	676	597	490	502	450	380	507	551	578

Model	b	b1	b2	d	d1	d2	n1xp	n2xp	Ø3
MBCA 180 T2 0,55kW	130	165	201	185	219	250	-	1x112	10
MBCA 180 T2 1,1kW	130	165	201	185	219	250	-	1x112	10
MBCA 200 T2 1,1kW	148	182	218	205	241	275	1x112	1x112	10
MBCA 200 T2 2,2kW	148	182	218	205	241	275	1x112	1x112	10

Model	b	b1	b2	d	d1	d2	n1xp	n2xp	Ø3
MBCA 220 T2 1,5kW	166	200	236	228	265	298	1x112	1x112	10
MBCA 220 T2 3kW	166	200	236	228	265	298	1x112	1x112	12
MBCA 220 T4 0,18kW	166	200	236	228	265	298	1x112	1x112	10
MBCA 220 T4 0,37kW	166	200	236	228	265	298	1x112	1x112	10
MBCA 250 T2 3kW	185	219	255	255	292	325	1x112	2x112	12
MBCA 250 T2 4kW	185	219	255	255	292	325	1x112	2x112	12
MBCA 250 T4 0,37kW	185	219	255	255	292	325	1x112	2x112	10
MBCA 250 T4 0,55kW	185	219	255	255	292	325	1x112	2x112	10
MBCA 280 T2 5,5kW	205	249	285	285	332	365	1X125	2X125	12
MBCA 280 T2 7,5kW	205	249	285	285	332	365	1X125	2X125	12
MBCA 280 T4 0,75kW	205	249	285	285	332	365	1X125	2X125	10
MBCA 280 T4 1,1kW	205	249	285	285	332	365	1X125	2X125	10
MBCA 310 T4 1,5kW	229	273	309	320	366	400	1x125	2x125	10
MBCA 310 T4 2,2kW	229	273	309	320	366	400	1x125	2x125	12
MBCA 310 T6 0,37kW	229	273	309	320	366	400	1x125	2x125	10
MBCA 310 T6 0,55kW	229	273	309	320	366	400	1x125	2x125	10
MBCA 350 T4 2,2kW	256	300	336	360	405	440	1x125	2x125	12
MBCA 350 T4 3kW	256	300	336	360	405	440	1x125	2x125	12
MBCA 350 T4 4kW	256	300	336	360	405	440	1x125	2x125	12
MBCA 350 T6 0,75kW	256	300	336	360	405	440	1x125	2x125	10
MBCA 350 T6 1,1kW	256	300	336	360	405	440	1x125	2x125	10
MBCA 400 T4 5,5kW	288	332	368	405	448	485	2x125	3x125	12
MBCA 400 T4 7,5kW	288	332	368	405	448	485	2x125	3x125	12
MBCA 400 T6 1,5kW	288	332	368	405	448	485	2x125	3x125	12
MBCA 400 T6 2,2kW	288	332	368	405	448	485	2x125	3x125	12
MBCA 450 T4 7,5kW	322	366	402	455	497	535	2x125	3x125	14
MBCA 450 T4 15kW	322	366	402	455	497	535	2x125	3x125	12
MBCA 450 T6 3kW	322	366	402	455	497	535	2x125	3x125	14
MBCA 500 T4 15kW	361	405	441	505	551	585	2x125	3x125	14
MBCA 500 T4 22kW	361	405	441	505	551	585	2x125	3x125	17
MBCA 500 T6 4kW	361	405	441	505	551	585	2x125	3x125	12
MBCA 500 T6 5,5kW	361	405	441	505	551	585	2x125	3x125	12



Model	A	B	C	D	D1	D2	D3	D4	D5
MBCA 560 T4 22kW	205	1045	940	400	667	555	570	542	485
MBCA 560 T4 37kW	205	1120	940	400	667	555	570	542	485
MBCA 560 T6 7,5kW	205	945	940	400	667	555	570	542	485
MBCA 560 T6 11kW	205	990	940	400	667	555	570	542	485
MBCA 630 T6 11kW	230	1035	1052	450	742	619	630	603	540
MBCA 630 T6 18,5kW	230	1160	1052	450	742	619	630	603	540

Model	D6	D7	E	F	G	H	H1	H2	I
MBCA 560 T4 22kW	425	754	1126	332	206	670	400	670	357
MBCA 560 T4 37kW	425	754	1126	332	206	670	400	670	421
MBCA 560 T6 7,5kW	425	754	1126	332	206	670	400	670	337
MBCA 560 T6 11kW	425	754	1126	332	206	670	400	670	337
MBCA 630 T6 11kW	476	843	1260	373	231	750	450	750	337
MBCA 630 T6 18,5kW	476	843	1260	373	231	750	450	750	381

Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
MBCA 560 T4 22kW	434	488	692	460	408	Nº16 M10x30	14x14	53	354
MBCA 560 T4 37kW	556	616	692	540	408	Nº16 M10x30	14x14	53	354

Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
MBCA 560 T6 7,5kW	395	440	692	436	408	Nº16 M10x30	14x14	53	354
MBCA 560 T6 11kW	395	440	692	436	408	Nº16 M10x30	14x14	53	354
MBCA 630 T6 11kW	395	440	762	436	457	Nº16 M10x30	14x14	53	393
MBCA 630 T6 18,5kW	506	568	762	500	457	Nº16 M10x30	14x14	53	393

Model	P	R	S	S1	S2	S3	S4	S5	S6
MBCA 560 T4 22kW	632	33	570	485	425	400	754	667	555
MBCA 560 T4 37kW	632	39	570	485	425	400	754	667	555
MBCA 560 T6 7,5kW	632	49	570	485	425	400	754	667	555
MBCA 560 T6 11kW	632	49	570	485	425	400	754	667	555
MBCA 630 T6 11kW	702	49	630	540	476	450	843	742	619
MBCA 630 T6 18,5kW	702	39	630	540	476	450	843	742	619

Model	S7	T	U	W	X	X1	X2	X3	X4
MBCA 560 T4 22kW	542	23	921	508	485	400	754	667	555
MBCA 560 T4 37kW	542	23	1001	518	485	400	754	667	555
MBCA 560 T6 7,5kW	542	23	897	488	485	400	754	667	555
MBCA 560 T6 11kW	542	23	897	488	485	400	754	667	555
MBCA 630 T6 11kW	603	23	946	537	540	450	843	742	619
MBCA 630 T6 18,5kW	603	23	1010	567	540	450	843	742	619

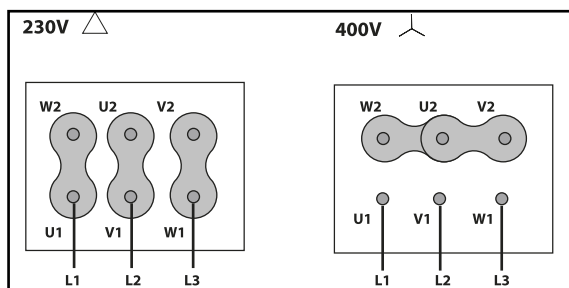
Model	X5	X6	X7	a	a1	a2	b	b1	b2
MBCA 560 T4 22kW	570	542	425	569	629	669	404	464	504
MBCA 560 T4 37kW	570	542	425	569	629	669	404	464	504
MBCA 560 T6 7,5kW	570	542	425	569	629	669	404	464	504
MBCA 560 T6 11kW	570	542	425	569	629	669	404	464	504
MBCA 630 T6 11kW	630	603	476	638	698	738	453	513	553
MBCA 630 T6 18,5kW	630	603	476	638	698	738	453	513	553

Model	d	d1	d2	n1xp	n2xp	Ø3
MBCA 560 T4 22kW	565	629	665	2x160	3x160	17
MBCA 560 T4 37kW	565	629	665	2x160	3x160	19
MBCA 560 T6 7,5kW	565	629	665	2x160	3x160	14
MBCA 560 T6 11kW	565	629	665	2x160	3x160	14
MBCA 630 T6 11kW	635	698	735	2x160	3x160	14
MBCA 630 T6 18,5kW	635	698	735	2x160	3x160	19

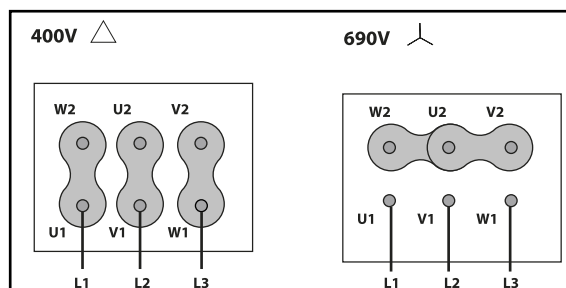
Wiring diagram

Wiring diagram Nº 1

230/400V



400/690V



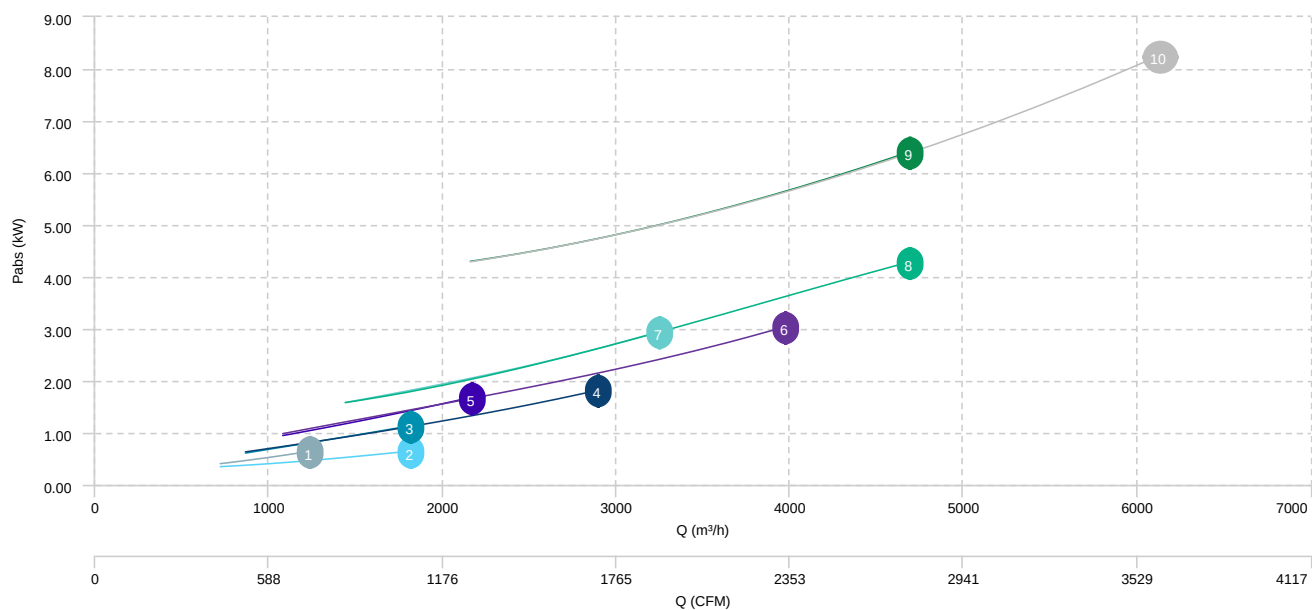
CHARACTERISTIC CURVE

1	MBCA 180 T2 0,55kW	2	MBCA 180 T2 1,1kW	3	MBCA 200 T2 1,1kW	4	MBCA 200 T2 2,2kW
5	MBCA 220 T2 1,5kW	6	MBCA 220 T2 3kW	7	MBCA 250 T2 3kW	8	MBCA 250 T2 4kW
9	MBCA 280 T2 5,5kW	10	MBCA 280 T2 7,5kW				

AIR FLOW - PRESSURE

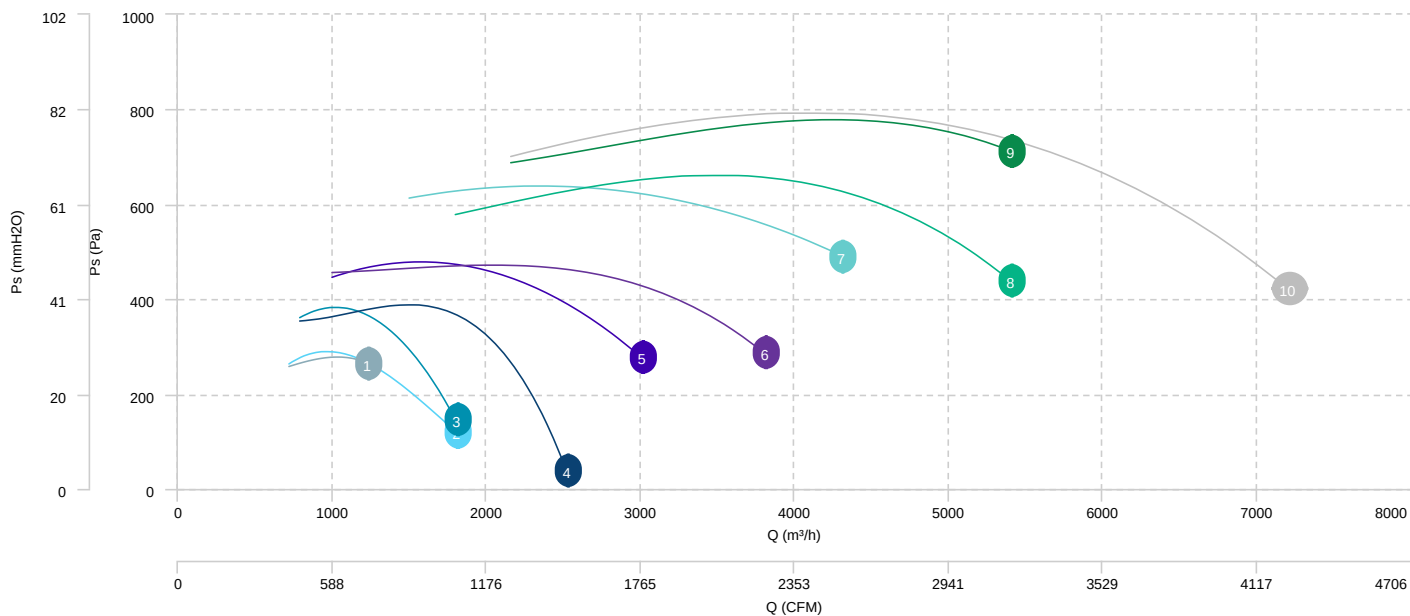


AIR FLOW - ABSORBED POWER

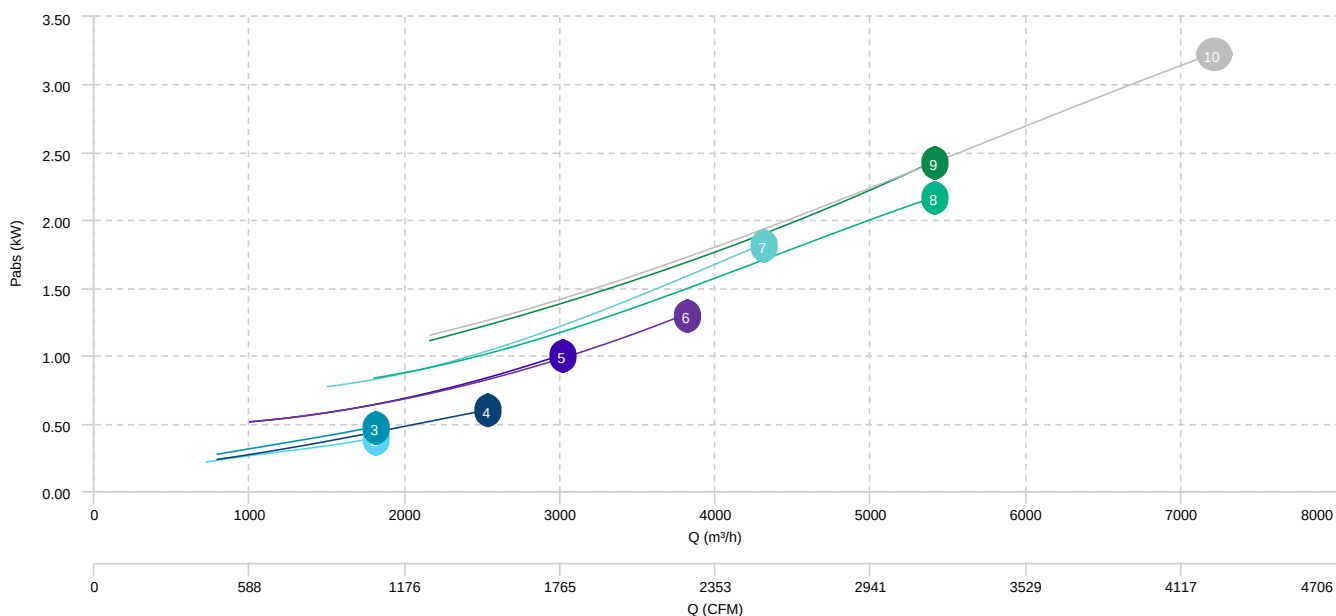


1	MBCA 220 T4 0,18kW	2	MBCA 220 T4 0,37kW	3	MBCA 250 T4 0,37kW	4	MBCA 250 T4 0,55kW
5	MBCA 280 T4 0,75kW	6	MBCA 280 T4 1,1kW	7	MBCA 310 T4 1,5kW	8	MBCA 310 T4 2,2kW
9	MBCA 350 T4 2,2kW	10	MBCA 350 T4 3kW				

AIR FLOW - PRESSURE

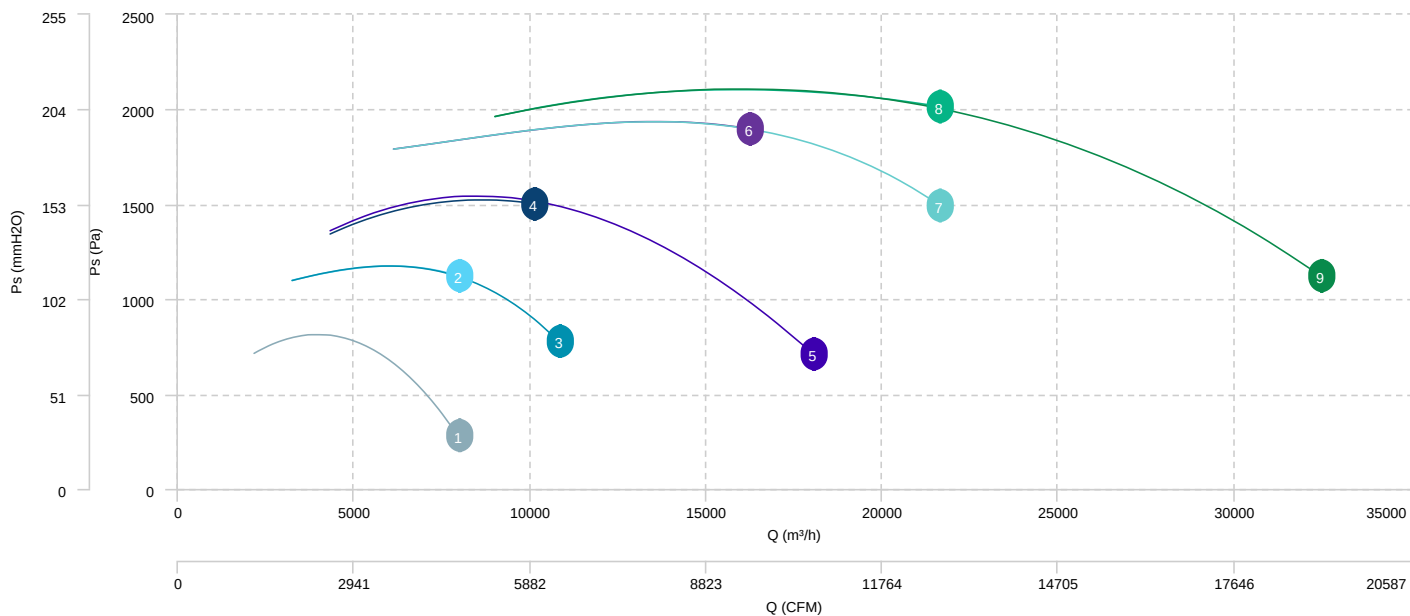


AIR FLOW - ABSORBED POWER

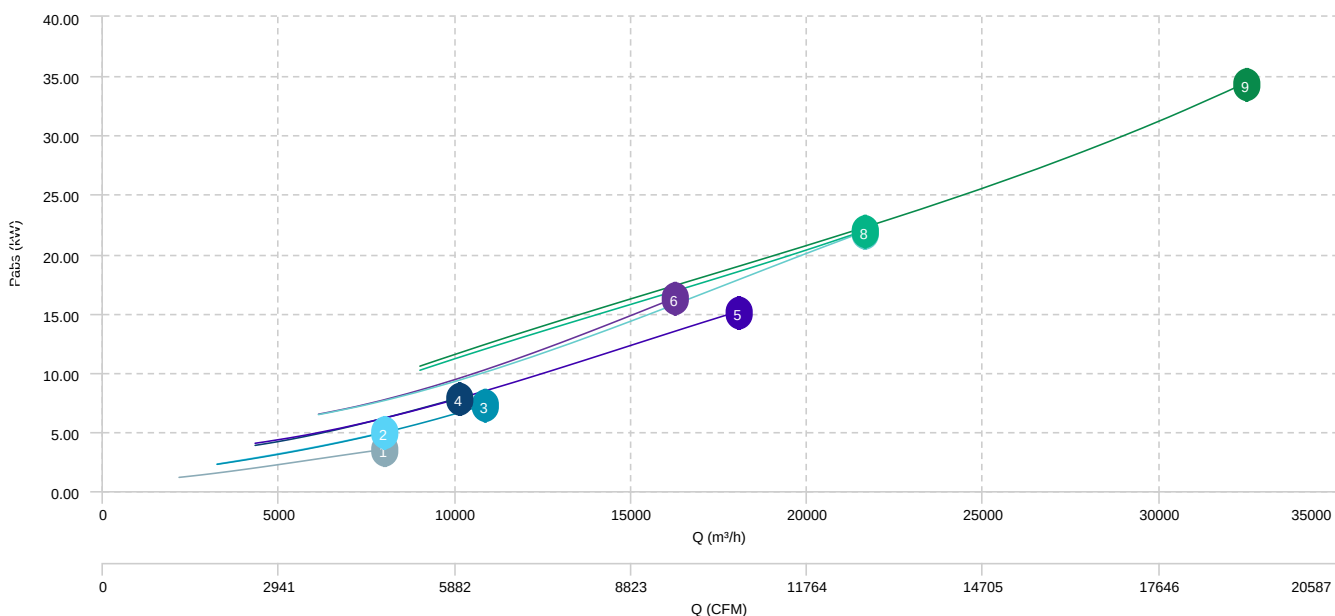


1	MBCA 350 T4 4kW	2	MBCA 400 T4 5,5kW	3	MBCA 400 T4 7,5kW	4	MBCA 450 T4 7,5kW
5	MBCA 450 T4 15kW	6	MBCA 500 T4 15kW	7	MBCA 500 T4 22kW	8	MBCA 560 T4 22kW
9	MBCA 560 T4 37kW						

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER

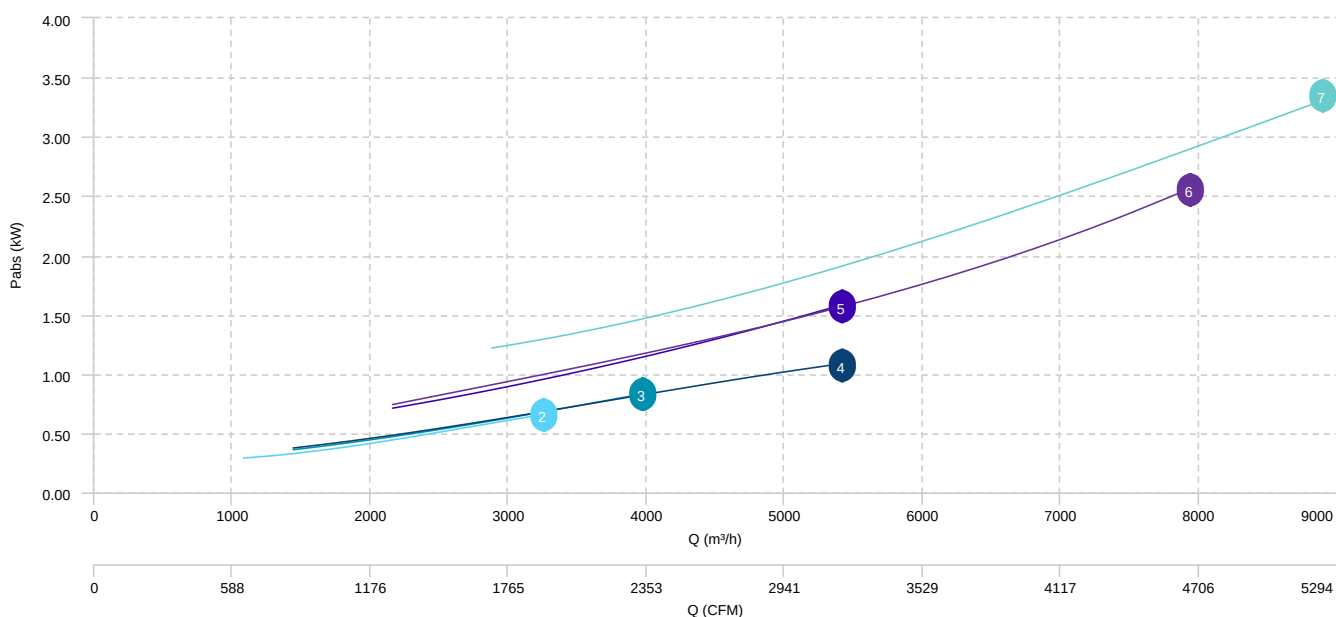


1	MBCA 310 T6 0,37kW	2	MBCA 310 T6 0,55kW	3	MBCA 350 T6 0,75kW	4	MBCA 350 T6 1,1kW
5	MBCA 400 T6 1,5kW	6	MBCA 400 T6 2,2kW	7	MBCA 450 T6 3kW		

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER



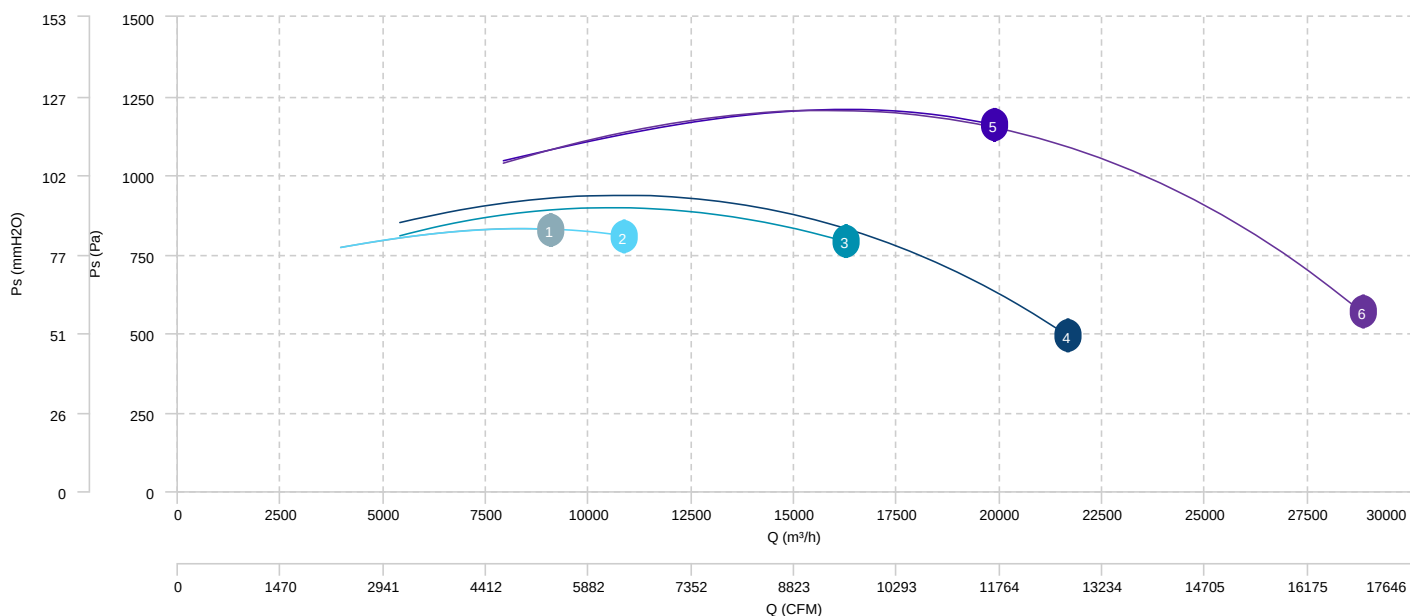
1	MBCA 500 T6 4kW
5	MBCA 630 T6 11kW

2	MBCA 500 T6 5,5kW
6	MBCA 630 T6 18,5kW

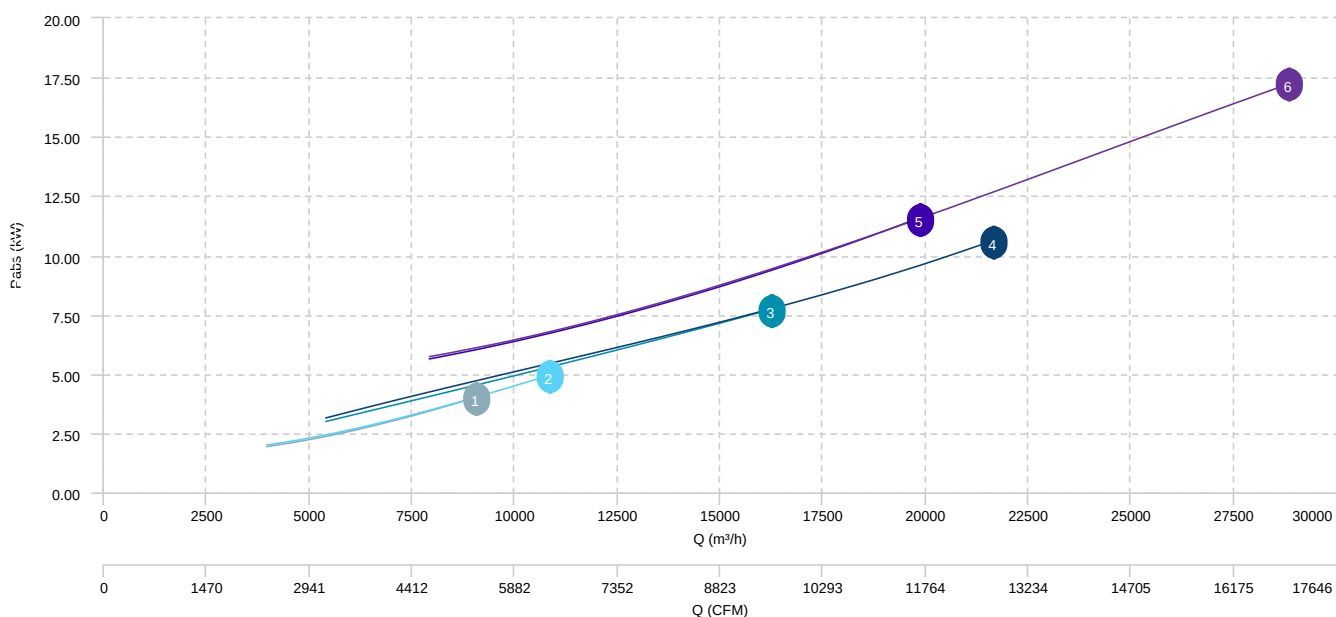
3	MBCA 560 T6 7,5kW
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4	MBCA 560 T6 11kW
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AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER



Sound data

Sound / 2 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
MBCA 180 T2 0,55kW	Inlet	46	58	64	68	69	64	58	54	73
MBCA 180 T2 1,1kW	Inlet	50	62	68	72	73	68	62	58	77
MBCA 200 T2 1,1kW	Inlet	49	61	68	72	73	68	62	59	77
MBCA 200 T2 2,2kW	Inlet	55	67	73	77	78	73	67	64	82
MBCA 220 T2 1,5kW	Inlet	51	63	69	73	74	70	63	60	78
MBCA 220 T2 3kW	Inlet	57	69	76	80	81	76	69	66	85
MBCA 250 T2 3kW	Inlet	54	66	72	76	77	73	66	63	82
MBCA 250 T2 4kW	Inlet	58	70	76	81	81	77	70	67	86
MBCA 280 T2 5,5kW	Inlet	58	70	77	81	82	77	70	67	86
MBCA 280 T2 7,5kW	Inlet	61	73	79	83	84	80	73	70	89

Sound / 4 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
MBCA 220 T4 0,18kW	Inlet	37	49	56	60	61	56	50	47	65
MBCA 220 T4 0,37kW	Inlet	39	51	57	61	62	58	51	48	66
MBCA 250 T4 0,37kW	Inlet	42	54	60	64	65	61	54	51	69
MBCA 250 T4 0,55kW	Inlet	45	57	63	68	68	64	57	54	73
MBCA 280 T4 0,75kW	Inlet	45	57	64	68	69	64	58	55	73
MBCA 280 T4 1,1kW	Inlet	49	61	68	72	73	68	62	59	77
MBCA 310 T4 1,5kW	Inlet	49	61	68	72	73	68	62	59	77
MBCA 310 T4 2,2kW	Inlet	53	65	72	76	77	72	66	63	81
MBCA 350 T4 2,2kW	Inlet	51	63	69	73	74	69	63	60	78
MBCA 350 T4 3kW	Inlet	54	66	72	77	77	73	66	63	82
MBCA 350 T4 4kW	Inlet	57	69	75	79	80	75	69	66	84
MBCA 400 T4 5,5kW	Inlet	56	68	74	78	79	75	68	65	84
MBCA 400 T4 7,5kW	Inlet	59	71	78	82	83	78	72	69	87
MBCA 450 T4 7,5kW	Inlet	55	67	74	78	79	74	67	64	83
MBCA 450 T4 15kW	Inlet	63	75	82	86	87	82	76	73	91
MBCA 500 T4 15kW	Inlet	59	71	78	82	83	78	72	69	87
MBCA 500 T4 22kW	Inlet	64	76	82	86	87	82	76	73	91
MBCA 560 T4 22kW	Inlet	9	71	78	82	83	78	71	68	87
MBCA 560 T4 37kW	Inlet	67	79	85	89	90	86	79	76	94

Sound / 6 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
MBCA 310 T6 0,37kW	Inlet	39	51	58	62	63	58	52	49	67
MBCA 310 T6 0,55kW	Inlet	43	55	61	65	66	62	55	52	71
MBCA 350 T6 0,75kW	Inlet	45	57	63	67	68	64	57	54	72
MBCA 350 T6 1,1kW	Inlet	47	59	65	70	70	66	59	56	75
MBCA 400 T6 1,5kW	Inlet	46	58	65	69	70	65	59	56	74
MBCA 400 T6 2,2kW	Inlet	50	62	68	72	73	69	62	59	77
MBCA 450 T6 3kW	Inlet	50	62	69	73	74	69	63	60	78
MBCA 500 T6 4kW	Inlet	50	62	68	73	73	69	62	59	78
MBCA 500 T6 5,5kW	Inlet	54	66	72	76	77	73	66	63	81
MBCA 560 T6 7,5kW	Inlet	54	66	72	76	77	73	66	63	81
MBCA 560 T6 11kW	Inlet	59	71	78	82	83	78	72	69	87
MBCA 630 T6 11kW	Inlet	54	66	72	76	77	73	66	63	82
MBCA 630 T6 18,5kW	Inlet	61	73	79	83	84	80	73	70	89

erp data

ERP	
Fan type	Centrifugal fan radial or forward blades
Installation category	A
Efficiency category	Static
The fan has to be installed with FSC	No

ERP / 2 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
MBCA 180 T2 0,55kW	0,55	43,72	51,47	1.142,57	820,68	0,60	2800	1,00
MBCA 180 T2 1,1kW	1,1	59,55	67,93	1.265,76	803,39	0,47	2800	1,00
MBCA 200 T2 1,1kW	1,1	45,17	51,36	1.672,05	1.024,03	1,05	2800	1,00
MBCA 200 T2 2,2kW	2,2	46,76	53,02	1.639,47	1.052,19	1,02	2840	1,00
MBCA 220 T2 1,5kW	1,5	46,32	51,29	2.114,11	1.296,57	1,64	2865	1,00
MBCA 220 T2 3kW	3	47,33	52,20	2.236,15	1.301,49	1,71	2880	1,00
MBCA 250 T2 3kW	3	51,80	55,35	3.047,38	1.687,56	2,76	2880	1,00
MBCA 250 T2 4kW	4	51,46	55,03	3.025,14	1.671,80	2,74	2880	1,00
MBCA 280 T2 7,5kW	7,5	42,98	44,07	5.019,69	2.088,56	6,77	2910	1,00

ERP / 4 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
MBCA 250 T4 0,37kW	0,37	35,33	44,59	1.164,55	375,19	0,34	1370	1,00
MBCA 250 T4 0,55kW	0,55	44,24	53,20	1.576,41	387,19	0,38	1440	1,00
MBCA 280 T4 0,75kW	0,75	37,33	44,75	1.944,75	465,38	0,67	1410	1,00
MBCA 280 T4 1,1kW	1,1	39,69	46,70	2.388,34	467,64	0,78	1450	1,00
MBCA 310 T4 1,5kW	1,5	43,47	49,59	2.658,16	635,35	1,08	1450	1,00
MBCA 310 T4 2,2kW	2,2	47,32	52,85	3.449,92	661,50	1,34	1435	1,00
MBCA 350 T4 2,2kW	2,2	49,11	53,71	4.262,18	778,76	1,88	1435	1,00
MBCA 350 T4 3kW	3	49,15	53,69	4.276,81	792,29	1,92	1420	1,00
MBCA 350 T4 4kW	4	50,02	54,55	4.273,68	810,93	1,93	1440	1,00
MBCA 400 T4 5,5kW	5,5	53,03	55,64	6.309,73	1.174,33	3,88	1460	1,00
MBCA 400 T4 7,5kW	7,5	53,58	56,27	6.189,35	1.174,90	3,77	1455	1,00
MBCA 450 T4 7,5kW	7,5	54,93	56,13	8.426,67	1.523,72	6,49	1455	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
MBCA 450 T4 15kW	15	55,87	56,96	8.821,58	1.543,25	6,77	1465	1,00
MBCA 500 T4 15kW	15	56,42	56,45	11.384,95	1.918,19	10,77	1465	1,00
MBCA 500 T4 22kW	22	57,89	57,87	12.241,63	1.929,68	11,38	1465	1,00
MBCA 560 T4 22kW	22	56,68	56,28	18.072,52	2.092,27	18,53	1465	1,00
MBCA 560 T4 37kW	37	55,36	54,94	18.253,44	2.093,46	19,14	1470	1,00

ERP / 6 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
MBCA 310 T6 0,55kW	0,55	38,42	46,85	2.275,03	282,01	0,47	900	1,00
MBCA 350 T6 0,75kW	0,75	44,14	51,89	2.829,16	333,53	0,59	925	1,00
MBCA 350 T6 1,1kW	1,1	44,92	52,70	2.772,62	344,63	0,59	925	1,00
MBCA 400 T6 1,5kW	1,5	48,91	54,72	4.215,76	505,36	1,21	940	1,00
MBCA 400 T6 2,2kW	2,2	47,66	53,38	4.286,46	500,87	1,25	965	1,00
MBCA 450 T6 3kW	3	52,05	56,50	5.642,24	659,36	1,99	960	1,00
MBCA 500 T6 4kW	4	53,43	56,64	7.262,88	826,37	3,12	960	1,00
MBCA 500 T6 5,5kW	5,5	52,75	55,78	7.631,01	828,18	3,33	960	1,00
MBCA 560 T6 7,5kW	7,5	51,24	52,83	11.656,62	892,66	5,64	965	1,00
MBCA 560 T6 11kW	11	52,45	53,84	12.379,85	927,45	6,07	965	1,00
MBCA 630 T6 11kW	11	58,19	58,36	16.402,10	1.207,79	9,46	965	1,00
MBCA 630 T6 18,5kW	18,5	57,74	57,90	16.408,40	1.203,89	9,52	975	1,00