

MBRL



MEDIUM PRESSURE WITH BACKWARD IMPELLER

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.
- Fully welded or joined housing.
- Simple inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy 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 single phase motors and 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 250 to 630. Models sizes from 710 to 1400 size the orientation is fixed.

APPLICATIONS:

- Designed for inline installation, they are suitable for:
- Industrial applications, extraction or injection of air.
 - Cooling of machines and parts.
 - Clean and slightly dusty air transport.
 - Exhaust after filters, separators and cyclones.
 - Pneumatic transport.
 - Maximum working temperature: carried air: 130°C, ambient: 60°C.

UNDER REQUEST:

- 60Hz fans and special voltages.
- 2 speed motors.
- Spark-proof fans with ATEX certified motor.
- Fan for air working temperatures up to 250°C with R/R (cooling impeller).
- Hot-dipped galvanised or stainless steel fans.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

Accessories



AC



BAD



EI



FILTRO
EMC



INT



JE-45



RA



RI



SFC

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)*	Weight	Connect. diagram
501602516	MBRL 250 T2 0,55kW	2800	1,29	0,55	2.520	54	37	1
501602818	MBRL 280 T2 1,1kW	2800	2,33	1,10	3.600	59	45	1
501603127	MBRL 311 T2 2,2kW	2800	4,58	2,20	5.400	60	57	1
501603529	MBRL 351 T2 3kW	2870	5,92	3	7.200	64	80	1
501604032	MBRL 401 T2 4kW	2890	7,63	4	6.120	65	95	1
501604034	MBRL 402 T2 5,5kW	2900	10,6	5,50	10.080	67	116	1
501604536	MBRL 451 T2 7,5kW	2900	14,1	7,50	12.600	71	124	1
501604521	MBRL 452 T2 11kW	2930	20,8	11	16.200	73	161	1
501605024	MBRL 501 T2 15kW	2930	27,4	15	18.000	74	187	1
501605026	MBRL 502 T2 18,5kW	2935	34,4	18,50	21.600	75	196	1

Three-phase motor / 4 poles

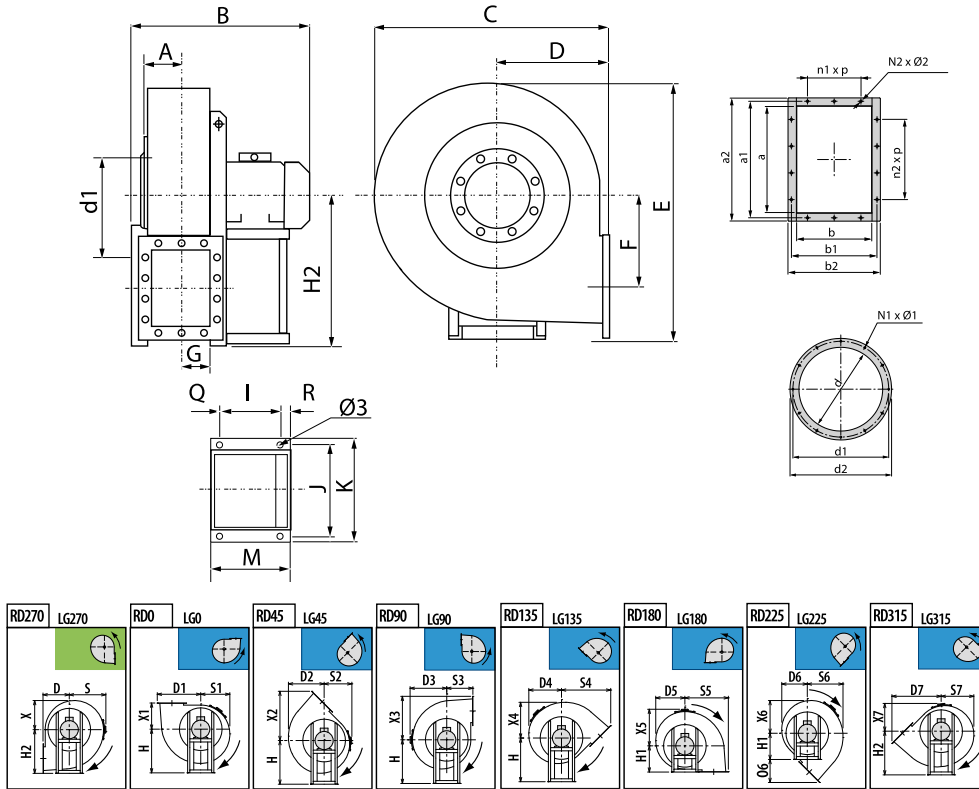
Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)*	Weight	Connect. diagram
501603140	MBRL 312 T4 0,18kW	1400	0,62	0,18	2.520	43	43	1
501603542	MBRL 352 T4 0,37kW	1400	1,07	0,37	3.600	47	65	1
501604044	MBRL 403 T4 0,75kW	1390	1,63	0,75	4.320	54	75	1
501604544	MBRL 453 T4 0,75kW	1390	1,63	0,75	4.680	54	89	1
501604545	MBRL 454 T4 1,1kW	1400	2,49	1,10	5.400	56	94	1
501605046	MBRL 503 T4 1,5kW	1400	3,26	1,50	9.000	57	123	1
501605054	MBRL 504 T4 2,2kW	1430	4,64	2,20	10.800	57	130	1
501605656	MBRL 561 T4 3kW	1430	6,17	3	12.600	56	153	1
501605659	MBRL 562 T4 4kW	1440	8,32	4	16.200	63	158	1
501606361	MBRL 631 T4 5,5kW	1440	10,5	5,50	19.800	64	202	1
501606363	MBRL 632 T4 7,5kW	1440	14,1	7,50	21.600	66	214	1
501607149	MBRL 711 T4 11kW	1460	21,2	11	25.200	68	315	1
501607152	MBRL 712 T4 15kW	1460	29,8	15	32.400	70	326	1
501608053	MBRL 801 T4 18,5kW	1465	35,6	18,50	39.600	71	465	1
501608055	MBRL 802 T4 22kW	1470	40,1	22	36.000	73	484	1
501609058	MBRL 901 T4 37kW	1475	69,2	37	54.000	75	840	1
501609060	MBRL 902 T4 45kW	1475	80,7	45	61.200	75	847	1
501610062	MBRL 1001 T4 55kW	1480	97,1	55	54.000	71	1.105	1
501610064	MBRL 1002 T4 75kW	1480	133	75	86.400	78	1.278	1

Three-phase motor / 6 poles

Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)*	Weight	Connect. diagram
501605070	MBRL 505 T6 0,37kW	900	1,27	0,37	3.600	43	115	1
501605071	MBRL 506 T6 0,55kW	900	1,8	0,55	6.120	50	117	1
501605672	MBRL 563 T6 0,75kW	910	1,95	0,75	7.920	54	141	1
501605673	MBRL 564 T6 1,1kW	910	2,78	1,10	9.000	54	145	1
501606374	MBRL 633 T6 1,5kW	940	3,71	1,50	12.600	55	173	1
501606378	MBRL 634 T6 2,2kW	940	5,94	2,20	14.400	55	180	1
501607180	MBRL 713 T6 3kW	960	7,3	3	16.200	58	276	1
501607183	MBRL 714 T6 4kW	960	9,46	4	21.600	60	286	1
501608085	MBRL 803 T6 5,5kW	960	12,8	5,50	25.200	61	367	1
501608087	MBRL 804 T6 7,5kW	965	15,2	7,50	28.800	64	397	1
501609075	MBRL 903 T6 11kW	970	22,6	11	36.000	67	556	1
501609076	MBRL 904 T6 15kW	970	27,7	15	39.600	68	658	1
501610077	MBRL 1003 T6 18,5kW	975	35,7	18,50	46.800	68	879	1
501610079	MBRL 1004 T6 22kW	975	42,3	22	54.000	67	885	1
501611281	MBRL 1121 T6 30kW	980	54,4	30	68.400	71	1.153	1
501611282	MBRL 1122 T6 37kW	980	66,8	37	75.600	67	1.242	1
501612586	MBRL 1251 T6 55kW	980	102	55	97.200	74	1.739	1
501612588	MBRL 1252 T6 75kW	985	138	75	108.000	76	1.960	1
501614106	MBRL 1401 T6 90kW	985	164	90	122.400	77	2.342	1
501614107	MBRL 1402 T6 110kW	990	199	110	140.000	77	2.363	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
MBRL 250 T2 0,55kW	94	434	471	195	313	255	276	235	212
MBRL 280 T2 1,1kW	105	482	505	200	356	287	305	262	230
MBRL 311 T2 2,2kW	117	553	557	225	397	316	332	288	256
MBRL 312 T4 0,18kW	117	452	557	225	397	316	332	288	256
MBRL 351 T2 3kW	130	611	630	255	437	359	375	325	289
MBRL 352 T4 0,37kW	130	509	630	255	437	359	375	325	289
MBRL 401 T2 4kW	147	664	685	285	487	387	400	353	311
MBRL 402 T2 5,5kW	147	704	685	285	487	387	400	353	311
MBRL 403 T4 0,75kW	147	565	685	285	487	387	400	353	311
MBRL 451 T2 7,5kW	163	739	765	320	542	435	445	398	354
MBRL 452 T2 11kW	163	844	765	320	542	435	445	398	354
MBRL 453 T4 0,75kW	163	600	765	320	542	435	445	398	354
MBRL 454 T4 1,1kW	163	647	765	320	542	435	445	398	354
MBRL 501 T2 15kW	183	884	862	360	597	490	502	450	401
MBRL 502 T2 18,5kW	183	884	862	360	597	490	502	450	401
MBRL 503 T4 1,5kW	183	687	862	360	597	490	502	450	401
MBRL 504 T4 2,2kW	183	718	862	360	597	490	502	450	401
MBRL 505 T6 0,37kW	183	640	862	360	597	490	502	450	401

Model	A	B	C	D	D1	D2	D3	D4	D5
MBRL 506 T6 0,55kW	183	640	862	360	597	490	502	450	401

Model	D6	D7	E	F	G	H	H1	H2	I
MBRL 250 T2 0,55kW	215	359	527	149	96	315	195	315	121
MBRL 280 T2 1,1kW	226	393	605	172	105	375	200	375	121
MBRL 311 T2 2,2kW	253	440	656	196	117	400	225	400	133
MBRL 312 T4 0,18kW	253	440	656	196	117	400	225	400	86
MBRL 351 T2 3kW	278	492	739	216	131	450	255	450	197
MBRL 352 T4 0,37kW	278	492	739	216	131	450	255	450	121
MBRL 401 T2 4kW	306	543	811	245	147	500	285	500	197
MBRL 402 T2 5,5kW	306	543	811	245	147	500	285	500	237
MBRL 403 T4 0,75kW	306	543	811	245	147	500	285	500	121
MBRL 451 T2 7,5kW	342	609	914	275	165	560	320	560	237
MBRL 452 T2 11kW	342	609	914	275	165	560	320	560	337
MBRL 453 T4 0,75kW	342	609	914	275	165	560	320	560	121
MBRL 454 T4 1,1kW	342	609	914	275	165	560	320	560	133
MBRL 501 T2 15kW	380	676	1001	303	185	600	360	600	337
MBRL 502 T2 18,5kW	380	676	1001	303	185	600	360	600	337
MBRL 503 T4 1,5kW	380	676	1001	303	185	600	360	600	133
MBRL 504 T4 2,2kW	380	676	1001	303	185	600	360	600	197
MBRL 505 T6 0,37kW	380	676	1001	303	185	600	360	600	121
MBRL 506 T6 0,55kW	380	676	1001	303	185	600	360	600	121

Model	J	K	M	N1xØ1	N2xØ2	O6	Q	R	S
MBRL 250 T2 0,55kW	203	225	196	8x10	10x12	164	49	26	276
MBRL 280 T2 1,1kW	203	225	217	8x12	10x12	193	48	48	305
MBRL 311 T2 2,2kW	234	260	246	8x12	10x12	215	55	58	332
MBRL 312 T4 0,18kW	184	206	145	8x12	10x12	215	45	14	332
MBRL 351 T2 3kW	289	324	276	8x12	10x12	237	30	49	375
MBRL 352 T4 0,37kW	203	225	189	8x12	10x12	237	45	23	375
MBRL 401 T2 4kW	289	324	276	12x12	14x12	258	30	49	400
MBRL 402 T2 5,5kW	337	372	336	12x12	14x12	258	40	59	400
MBRL 403 T4 0,75kW	203	225	211	12x12	14x12	258	45	45	400
MBRL 451 T2 7,5kW	337	372	336	12x12	14x12	289	40	59	445
MBRL 452 T2 11kW	395	440	436	12x12	14x12	289	50	49	445
MBRL 453 T4 0,75kW	203	225	211	12x12	14x12	289	45	45	445
MBRL 454 T4 1,1kW	234	260	246	12x12	14x12	289	55	58	445
MBRL 501 T2 15kW	395	440	436	8x14	14x12	316	50	49	502
MBRL 502 T2 18,5kW	395	440	436	8x14	14x12	316	50	49	502
MBRL 503 T4 1,5kW	234	260	246	8x14	14x12	316	55	58	502

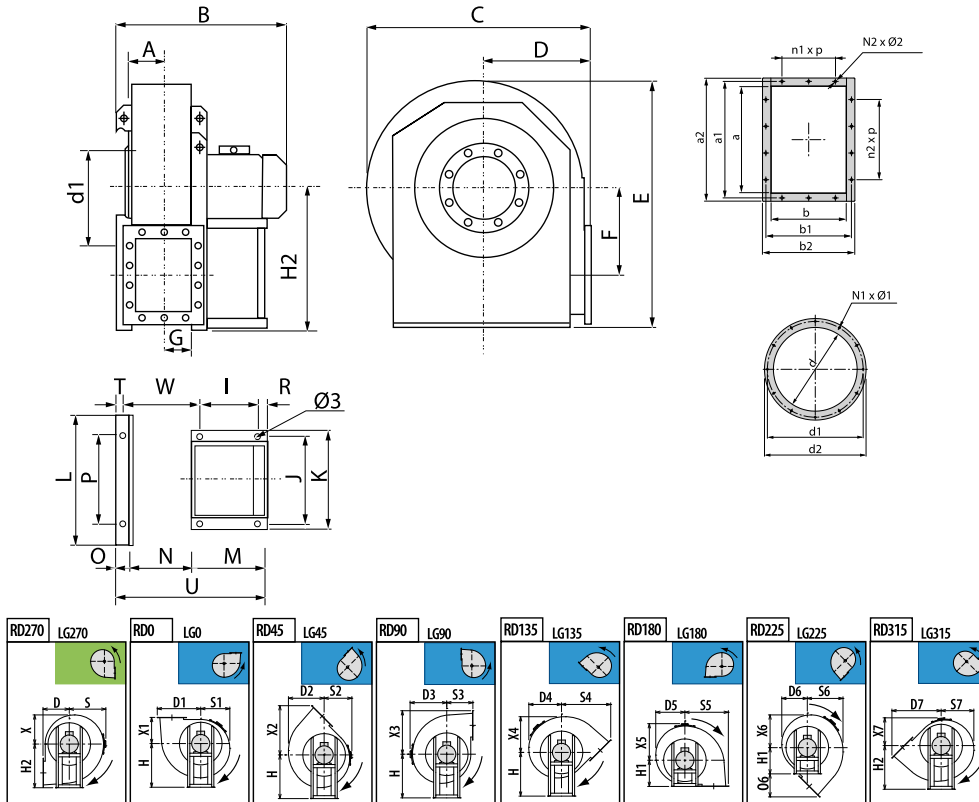
Model	J	K	M	N1xØ1	N2xØ2	O6	Q	R	S
MBRL 504 T4 2,2kW	289	324	276	8x14	14x12	316	30	49	502
MBRL 505 T6 0,37kW	203	225	211	8x14	14x12	316	45	45	502
MBRL 506 T6 0,55kW	203	225	211	8x14	14x12	316	45	45	502

Model	S1	S2	S3	S4	S5	S6	S7	X	X1
MBRL 250 T2 0,55kW	212	215	195	359	313	255	235	212	195
MBRL 280 T2 1,1kW	230	226	200	393	356	287	262	230	200
MBRL 311 T2 2,2kW	256	253	225	440	397	316	288	256	255
MBRL 312 T4 0,18kW	256	253	225	440	397	316	288	256	255
MBRL 351 T2 3kW	289	278	255	492	437	359	325	289	255
MBRL 352 T4 0,37kW	289	278	255	492	437	359	325	289	255
MBRL 401 T2 4kW	311	306	285	543	487	387	353	311	285
MBRL 402 T2 5,5kW	311	306	285	543	487	387	353	311	285
MBRL 403 T4 0,75kW	311	306	285	543	487	387	353	311	285
MBRL 451 T2 7,5kW	354	342	320	609	542	435	398	354	320
MBRL 452 T2 11kW	354	342	320	609	542	435	398	354	320
MBRL 453 T4 0,75kW	354	342	320	609	542	435	398	354	320
MBRL 454 T4 1,1kW	354	342	320	609	542	435	398	354	320
MBRL 501 T2 15kW	401	380	360	676	597	490	450	401	360
MBRL 502 T2 18,5kW	401	380	360	676	597	490	450	401	360
MBRL 503 T4 1,5kW	401	380	360	676	597	490	450	401	360
MBRL 504 T4 2,2kW	401	380	360	676	597	490	450	401	360
MBRL 505 T6 0,37kW	401	380	360	676	597	490	450	401	360
MBRL 506 T6 0,55kW	401	380	360	676	597	490	450	401	360

Model	X2	X3	X4	X5	X6	X7	a	a1	a2
MBRL 250 T2 0,55kW	359	313	255	276	235	215	258	292	328
MBRL 280 T2 1,1kW	393	356	287	305	262	226	288	332	368
MBRL 311 T2 2,2kW	440	397	316	332	288	253	322	366	402
MBRL 312 T4 0,18kW	440	397	316	332	288	253	322	366	402
MBRL 351 T2 3kW	492	437	359	375	325	278	361	405	441
MBRL 352 T4 0,37kW	492	437	359	375	325	278	361	405	441
MBRL 401 T2 4kW	543	487	387	400	353	306	404	448	484
MBRL 402 T2 5,5kW	543	487	387	400	353	306	404	448	484
MBRL 403 T4 0,75kW	543	487	387	400	353	306	404	448	484
MBRL 451 T2 7,5kW	609	542	435	445	398	342	453	497	533
MBRL 452 T2 11kW	609	542	435	445	398	342	453	497	533
MBRL 453 T4 0,75kW	609	542	435	445	398	342	453	497	533
MBRL 454 T4 1,1kW	609	542	435	445	398	342	453	497	533
MBRL 501 T2 15kW	676	597	490	502	450	380	507	551	587

Model	X2	X3	X4	X5	X6	X7	a	a1	a2
MBRL 502 T2 18,5kW	676	597	490	502	450	380	507	551	587
MBRL 503 T4 1,5kW	676	597	490	502	450	380	507	551	587
MBRL 504 T4 2,2kW	676	597	490	502	450	380	507	551	587
MBRL 505 T6 0,37kW	676	597	490	502	450	380	507	551	587
MBRL 506 T6 0,55kW	676	597	490	502	450	380	507	551	587

Model	b	b1	b2	d	d1	d2	n1xp	n2xp	Ø3
MBRL 250 T2 0,55kW	185	219	255	255	292	325	1x112	2x112	10
MBRL 280 T2 1,1kW	205	249	285	285	332	365	1x125	2x125	10
MBRL 311 T2 2,2kW	229	273	309	320	366	400	1x125	2x125	10
MBRL 312 T4 0,18kW	229	273	309	320	366	400	1x125	2x125	10
MBRL 351 T2 3kW	256	300	336	360	405	440	1x125	2x125	12
MBRL 352 T4 0,37kW	256	300	336	360	405	440	1x125	2x125	10
MBRL 401 T2 4kW	288	332	368	405	448	485	2x125	3x125	12
MBRL 402 T2 5,5kW	288	332	368	405	448	485	2x125	3x125	12
MBRL 403 T4 0,75kW	288	332	368	405	448	485	2x125	3x125	10
MBRL 451 T2 7,5kW	322	366	402	455	497	535	2x125	3x125	12
MBRL 452 T2 11kW	322	366	402	455	497	535	2x125	3x125	14
MBRL 453 T4 0,75kW	322	366	402	455	497	535	2x125	3x125	10
MBRL 454 T4 1,1kW	322	366	402	455	497	535	2x125	3x125	10
MBRL 501 T2 15kW	361	405	441	505	551	585	2x125	3x125	14
MBRL 502 T2 18,5kW	361	405	441	505	551	585	2x125	3x125	14
MBRL 503 T4 1,5kW	361	405	441	505	551	585	2x125	3x125	10
MBRL 504 T4 2,2kW	361	405	441	505	551	585	2x125	3x125	12
MBRL 505 T6 0,37kW	361	405	441	505	551	585	2x125	3x125	10
MBRL 506 T6 0,55kW	361	405	441	505	551	585	2x125	3x125	10



Model	A	B	C	D	D1	D2	D3	D4	D5
MBRL 561 T4 3kW	205	774	970	400	667	555	570	542	485
MBRL 562 T4 4kW	205	795	970	400	667	555	570	542	485
MBRL 563 T6 0,75kW	205	743	970	400	667	555	570	542	485
MBRL 564 T6 1,1kW	205	743	970	400	667	555	570	542	485
MBRL 631 T4 5,5kW	230	885	1080	450	742	619	630	603	540
MBRL 632 T4 7,5kW	230	885	1080	450	742	619	630	603	540
MBRL 633 T6 1,5kW	230	824	1080	450	742	619	630	603	540
MBRL 634 T6 2,2kW	230	845	1080	450	742	619	630	603	540

Model	D6	D7	E	F	G	H	H1	H2	I
MBRL 561 T4 3kW	425	754	1155	332	207	670	400	670	197
MBRL 562 T4 4kW	425	754	1155	332	207	670	400	670	197
MBRL 563 T6 0,75kW	425	754	1155	332	207	670	400	670	133
MBRL 564 T6 1,1kW	425	754	1155	332	207	670	400	670	133
MBRL 631 T4 5,5kW	476	843	1290	373	232	750	450	750	237
MBRL 632 T4 7,5kW	476	843	1290	373	232	750	450	750	237
MBRL 633 T6 1,5kW	476	843	1290	373	232	750	450	750	197
MBRL 634 T6 2,2kW	476	843	1290	373	232	750	450	750	197

Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
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Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
MBRL 561 T4 3kW	289	324	692	275	409	12x14	14x14	53	354
MBRL 562 T4 4kW	289	324	692	275	409	12x14	14x14	53	354
MBRL 563 T6 0,75kW	234	260	692	245	409	12x14	14x14	53	354
MBRL 564 T6 1,1kW	234	260	692	245	409	12x14	14x14	53	354
MBRL 631 T4 5,5kW	337	372	762	335	459	12x14	14x14	53	393
MBRL 632 T4 7,5kW	337	372	762	335	459	12x14	14x14	53	393
MBRL 633 T6 1,5kW	289	324	762	275	459	12x14	14x14	53	393
MBRL 634 T6 2,2kW	289	324	762	275	459	12x14	14x14	53	393

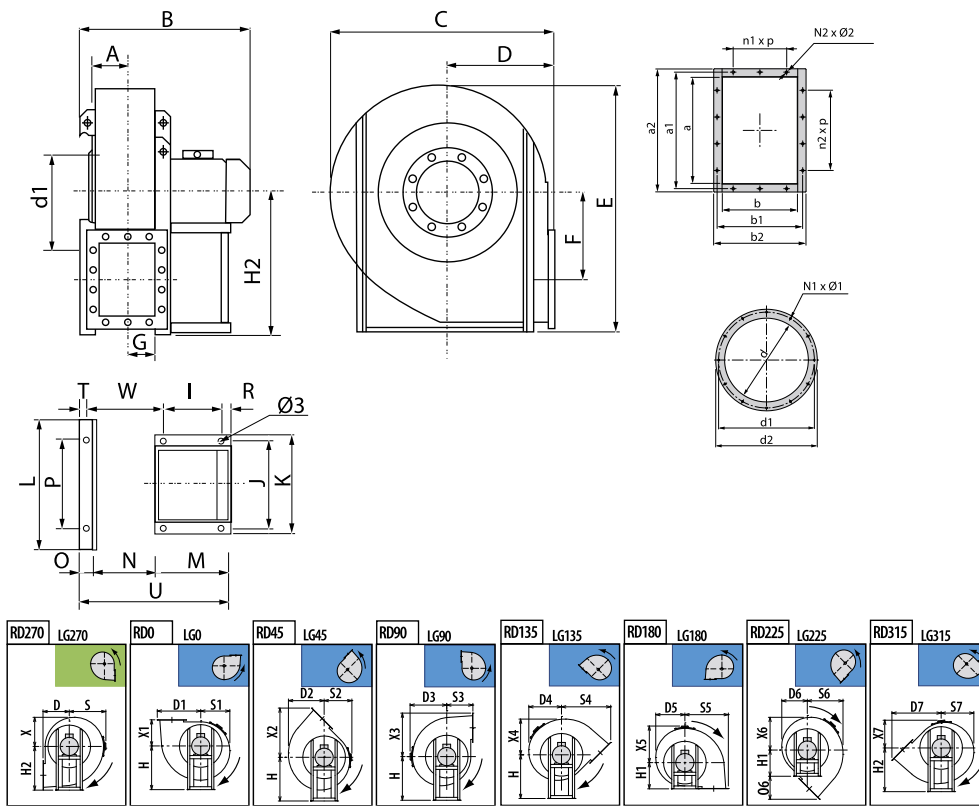
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MBRL 561 T4 3kW	632	49	570	485	425	400	754	667	555
MBRL 562 T4 4kW	632	49	570	485	425	400	754	667	555
MBRL 563 T6 0,75kW	632	58	570	485	425	400	754	667	555
MBRL 564 T6 1,1kW	632	58	570	485	425	400	754	667	555
MBRL 631 T4 5,5kW	702	59	630	540	476	450	843	742	619
MBRL 632 T4 7,5kW	702	59	630	540	476	450	843	742	619
MBRL 633 T6 1,5kW	702	49	630	540	476	450	843	742	619
MBRL 634 T6 2,2kW	702	49	630	540	476	450	843	742	619

Model	S7	T	U	W	X	X1	X2	X3	X4
MBRL 561 T4 3kW	542	23	737	468	485	400	754	667	555
MBRL 562 T4 4kW	542	23	737	468	485	400	754	667	555
MBRL 563 T6 0,75kW	542	23	707	468	485	400	754	667	555
MBRL 564 T6 1,1kW	542	23	707	468	485	400	754	667	555
MBRL 631 T4 5,5kW	603	23	846	527	540	450	843	742	619
MBRL 632 T4 7,5kW	603	23	846	527	540	450	843	742	619
MBRL 633 T6 1,5kW	603	23	786	517	540	450	843	742	619
MBRL 634 T6 2,2kW	603	23	786	517	540	450	843	742	619

Model	X5	X6	X7	a	a1	a2	b	b1	b2
MBRL 561 T4 3kW	570	542	425	569	629	669	404	464	504
MBRL 562 T4 4kW	570	542	425	569	629	669	404	464	504
MBRL 563 T6 0,75kW	570	542	425	569	629	669	404	464	504
MBRL 564 T6 1,1kW	570	542	425	569	629	669	404	464	504
MBRL 631 T4 5,5kW	630	603	476	638	698	738	453	513	553
MBRL 632 T4 7,5kW	630	603	476	638	698	738	453	513	553
MBRL 633 T6 1,5kW	630	603	476	638	698	738	453	513	553
MBRL 634 T6 2,2kW	630	603	476	638	698	738	453	513	553

Model	d	d1	d2	n1xp	n2xp	Ø3
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Model	d	d1	d2	n1xp	n2xp	Ø3
MBRL 561 T4 3kW	565	629	665	2x160	3x160	12
MBRL 562 T4 4kW	565	629	665	2x160	3x160	12
MBRL 563 T6 0,75kW	565	629	665	2x160	3x160	10
MBRL 564 T6 1,1kW	565	629	665	2x160	3x160	10
MBRL 631 T4 5,5kW	635	698	735	2x160	3x160	12
MBRL 632 T4 7,5kW	635	698	735	2x160	3x160	12
MBRL 633 T6 1,5kW	635	698	735	2x160	3x160	12
MBRL 634 T6 2,2kW	635	698	735	2x160	3x160	12



Model	A	B	C	D	D1	D2	D3	D4	D5
MBRL 711 T4 11kW	257	1045	1190	500	835	719	690	662	586
MBRL 712 T4 15kW	257	1045	1190	500	835	719	690	662	586
MBRL 713 T6 3kW	257	940	1190	500	835	719	690	662	586
MBRL 714 T6 4kW	257	940	1190	500	835	719	690	662	586
MBRL 801 T4 18,5kW	287	1188	1342	560	939	811	782	749	652
MBRL 802 T4 22kW	287	1239	1342	560	939	811	782	749	652
MBRL 803 T6 5,5kW	287	1002	1342	560	939	811	782	749	652
MBRL 804 T6 7,5kW	287	1107	1342	560	939	811	782	749	652

Model	A	B	C	D	D1	D2	D3	D4	D5
MBRL 901 T4 37kW	322	1376	1500	630	1047	905	870	835	723
MBRL 902 T4 45kW	322	1427	1500	630	1047	905	870	835	723
MBRL 903 T6 11kW	322	1196	1500	630	1047	905	870	835	723
MBRL 904 T6 15kW	322	1328	1500	630	1047	905	870	835	723
MBRL 1001 T4 55kW	360	1632	1686	710	1171	1015	976	936	815
MBRL 1002 T4 75kW	360	1635	1686	710	1171	1015	976	936	815
MBRL 1003 T6 18,5kW	360	1482	1686	710	1171	1015	976	936	815
MBRL 1004 T6 22kW	360	1482	1686	710	1171	1015	976	936	815
MBRL 1121 T6 30kW	404	1611	1884	800	1319	1132	1084	1037	932
MBRL 1122 T6 37kW	404	1719	1884	800	1319	1132	1084	1037	932
MBRL 1251 T6 55kW	452	1818	2114	900	1474	1270	1214	1163	1048
MBRL 1252 T6 75kW	452	2030	2114	900	1474	1270	1214	1163	1048
MBRL 1401 T6 90kW	507	2330	2325	1000	1635	1395	1325	1272	1136
MBRL 1402 T6 110kW	507	2330	2325	1000	1635	1395	1325	1272	1136

Model	D6	D7	E	F	G	H	H1	H2	I
MBRL 711 T4 11kW	497	944	1436	427	254	850	500	850	316
MBRL 712 T4 15kW	497	944	1436	427	254	850	500	850	316
MBRL 713 T6 3kW	497	944	1436	427	254	850	500	850	201
MBRL 714 T6 4kW	497	944	1436	427	254	850	500	850	201
MBRL 801 T4 18,5kW	562	1061	1602	478	285	950	630	950	361
MBRL 802 T4 22kW	562	1061	1602	478	285	950	630	950	361
MBRL 803 T6 5,5kW	562	1061	1602	478	285	950	630	950	361
MBRL 804 T6 7,5kW	562	1061	1602	478	285	950	630	950	316
MBRL 901 T4 37kW	633	1186	1783	538	319	850	630	1060	441
MBRL 902 T4 45kW	633	1186	1783	538	319	850	630	1060	441
MBRL 903 T6 11kW	633	1186	1783	538	319	850	630	1060	316
MBRL 904 T6 15kW	633	1186	1783	538	319	850	630	1060	361
MBRL 1001 T4 55kW	718	1330	1995	607	358	950	710	1180	500
MBRL 1002 T4 75kW	718	1330	1995	607	358	950	710	1180	590
MBRL 1003 T6 18,5kW	718	1330	1995	607	358	950	710	1180	400
MBRL 1004 T6 22kW	718	1330	1995	607	358	950	710	1180	400
MBRL 1121 T6 30kW	793	1498	2252	684	401	1060	800	1320	415
MBRL 1122 T6 37kW	793	1498	2252	684	401	1060	800	1320	475
MBRL 1251 T6 55kW	898	1679	2548	770	449	1190	900	1500	565
MBRL 1252 T6 75kW	898	1679	2548	770	449	1190	900	1500	675
MBRL 1401 T6 90kW	990	1863	2836	854	504	1320	1000	1700	645
MBRL 1402 T6 110kW	990	1863	2836	854	504	1320	1000	1700	645

Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
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Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
MBRL 711 T4 11kW	772	826	832	439	508	16x14	16x14	60	444
MBRL 712 T4 15kW	772	826	832	439	508	16x14	16x14	60	444
MBRL 713 T6 3kW	772	826	832	336	508	16x14	16x14	60	444
MBRL 714 T6 4kW	772	826	832	336	508	16x14	16x14	60	444
MBRL 801 T4 18,5kW	862	926	932	463	570	16x14	14x14	60	501
MBRL 802 T4 22kW	862	926	932	463	570	16x14	14x14	60	501
MBRL 803 T6 5,5kW	862	926	932	463	570	16x14	14x14	60	501
MBRL 804 T6 7,5kW	862	926	932	439	570	16x14	14x14	60	501
MBRL 901 T4 37kW	962	1026	1145	540	319	16x14	18x14	80	556
MBRL 902 T4 45kW	962	1026	1145	540	319	16x14	18x14	80	556
MBRL 903 T6 11kW	962	1026	1145	436	319	16x14	18x14	80	556
MBRL 904 T6 15kW	962	1026	1145	460	319	16x14	18x14	80	556
MBRL 1001 T4 55kW	1056	1128	1255	600	716	24x14	18x14	100	620
MBRL 1002 T4 75kW	1056	1128	1255	690	716	24x14	18x14	100	620
MBRL 1003 T6 18,5kW	1056	1128	1255	500	716	24x14	18x14	100	620
MBRL 1004 T6 22kW	1056	1128	1255	500	716	24x14	18x14	100	620
MBRL 1121 T6 30kW	1178	1268	1400	540	802	24x14	20x18	100	398
MBRL 1122 T6 37kW	1178	1268	1400	600	802	24x14	20x18	100	398
MBRL 1251 T6 55kW	1310	1400	1530	690	898	24x17	24x18	100	779
MBRL 1252 T6 75kW	1310	1400	1530	800	898	24x17	24x18	100	779
MBRL 1401 T6 90kW	1450	1560	1690	800	1008	32x17	24x18	130	863
MBRL 1402 T6 110kW	1450	1560	1690	800	1008	32x17	24x18	130	863

Model	P	R	S	S1	S2	S3	S4	S5	S6
MBRL 711 T4 11kW	772	60	690	586	497	500	944	835	719
MBRL 712 T4 15kW	772	60	690	586	497	500	944	835	719
MBRL 713 T6 3kW	772	75	690	586	497	500	944	835	719
MBRL 714 T6 4kW	772	75	690	586	497	500	944	835	719
MBRL 801 T4 18,5kW	862	39	782	652	562	560	1061	939	811
MBRL 802 T4 22kW	862	39	782	652	562	560	1061	939	811
MBRL 803 T6 5,5kW	862	75	782	652	562	560	1061	939	811
MBRL 804 T6 7,5kW	862	60	782	652	562	560	1061	939	811
MBRL 901 T4 37kW	962	39	870	723	633	630	1186	1047	905
MBRL 902 T4 45kW	962	39	870	723	633	630	1186	1047	905
MBRL 903 T6 11kW	962	60	870	723	633	630	1186	1047	905
MBRL 904 T6 15kW	962	39	870	723	633	630	1186	1047	905
MBRL 1001 T4 55kW	1056	45	976	815	718	710	1330	1171	1015
MBRL 1002 T4 75kW	1056	45	976	815	718	710	1330	1171	1015
MBRL 1003 T6 18,5kW	1056	45	976	815	718	710	1330	1171	1015
MBRL 1004 T6 22kW	1056	45	976	815	718	710	1330	1171	1015

Model	P	R	S	S1	S2	S3	S4	S5	S6
MBRL 1121 T6 30kW	1178	1400	1084	932	793	800	1498	1319	1132
MBRL 1122 T6 37kW	1178	1400	1084	932	793	800	1498	1319	1132
MBRL 1251 T6 55kW	1310	45	1214	1048	898	900	1679	1474	1270
MBRL 1252 T6 75kW	1310	45	1214	1048	898	900	1679	1474	1270
MBRL 1401 T6 90kW	1450	55	1325	1136	990	1000	1863	1635	1395
MBRL 1402 T6 110kW	1450	55	1325	1136	990	1000	1863	1635	1395

Model	S7	T	U	W	X	X1	X2	X3	X4
MBRL 711 T4 11kW	662	27	1009	606	586	500	944	835	719
MBRL 712 T4 15kW	662	27	1009	606	586	500	944	835	719
MBRL 713 T6 3kW	662	27	909	606	586	500	944	835	719
MBRL 714 T6 4kW	662	27	909	606	586	500	944	835	719
MBRL 801 T4 18,5kW	749	27	1095	668	652	560	1061	939	811
MBRL 802 T4 22kW	749	27	1095	668	652	560	1061	939	811
MBRL 803 T6 5,5kW	749	27	971	668	652	560	1061	939	811
MBRL 804 T6 7,5kW	749	27	1071	668	652	560	1061	939	811
MBRL 901 T4 37kW	835	47	1258	731	723	630	1186	1047	905
MBRL 902 T4 45kW	835	47	1258	731	723	630	1186	1047	905
MBRL 903 T6 11kW	835	47	1154	731	723	630	1186	1047	905
MBRL 904 T6 15kW	835	47	1178	731	723	630	1186	1047	905
MBRL 1001 T4 55kW	936	67	1415	803	815	710	1330	1171	1015
MBRL 1002 T4 75kW	936	67	1505	803	815	710	1330	1171	1015
MBRL 1003 T6 18,5kW	936	67	1315	803	815	710	1330	1171	1015
MBRL 1004 T6 22kW	936	67	1315	803	815	710	1330	1171	1015
MBRL 1121 T6 30kW	1037	55	1441	926	932	800	1498	1319	1132
MBRL 1122 T6 37kW	1037	55	1501	926	932	800	1498	1319	1132
MBRL 1251 T6 55kW	1163	55	1688	1023	1048	900	1679	1474	1270
MBRL 1252 T6 75kW	1163	55	1798	1023	1048	900	1679	1474	1270
MBRL 1401 T6 90kW	1272	85	1937	1152	1136	1000	1863	1635	1395
MBRL 1402 T6 110kW	1272	85	1937	1152	1136	1000	1863	1635	1395

Model	X5	X6	X7	a	a1	a2	b	b1	b2
MBRL 711 T4 11kW	690	662	497	715	775	815	507	567	607
MBRL 712 T4 15kW	690	662	497	715	775	815	507	567	607
MBRL 713 T6 3kW	690	662	497	715	775	815	507	567	607
MBRL 714 T6 4kW	690	662	497	715	775	815	507	567	607
MBRL 801 T4 18,5kW	782	749	562	801	871	921	569	639	689
MBRL 802 T4 22kW	782	749	562	801	871	921	569	639	689
MBRL 803 T6 5,5kW	782	749	562	801	871	921	569	639	689
MBRL 804 T6 7,5kW	782	749	562	801	871	921	569	639	689

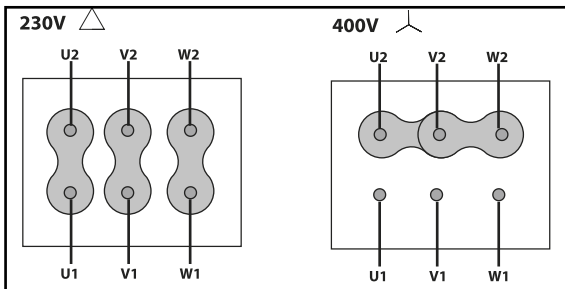
Model	X5	X6	X7	a	a1	a2	b	b1	b2
MBRL 901 T4 37kW	870	835	633	898	968	1018	638	708	758
MBRL 902 T4 45kW	870	835	633	898	968	1018	638	708	758
MBRL 903 T6 11kW	870	835	633	898	968	1018	638	708	758
MBRL 904 T6 15kW	870	835	633	898	968	1018	638	708	758
MBRL 1001 T4 55kW	976	936	718	1007	1077	1127	715	785	835
MBRL 1002 T4 75kW	976	936	718	1007	1077	1127	715	785	835
MBRL 1003 T6 18,5kW	976	936	718	1007	1077	1127	715	785	835
MBRL 1004 T6 22kW	976	936	718	1007	1077	1127	715	785	835
MBRL 1121 T6 30kW	1084	1037	793	1130	1210	1270	801	881	941
MBRL 1122 T6 37kW	1084	1037	793	1130	1210	1270	801	881	941
MBRL 1251 T6 55kW	1214	1163	898	1267	1347	1407	898	978	1038
MBRL 1252 T6 75kW	1214	1163	898	1267	1347	1407	898	978	1038
MBRL 1401 T6 90kW	1325	1272	990	1421	1501	1561	1007	1087	1147
MBRL 1402 T6 110kW	1325	1272	990	1421	1501	1561	1007	1087	1147

Model	d	d1	d2	n1xp	n2xp	Ø3
MBRL 711 T4 11kW	715	775	815	2x160	4x160	20
MBRL 712 T4 15kW	715	775	815	2x160	4x160	20
MBRL 713 T6 3kW	715	775	815	2x160	4x160	20
MBRL 714 T6 4kW	715	775	815	2x160	4x160	20
MBRL 801 T4 18,5kW	805	861	905	2x200	3x200	19
MBRL 802 T4 22kW	805	861	905	2x200	3x200	19
MBRL 803 T6 5,5kW	805	861	905	2x200	3x200	19
MBRL 804 T6 7,5kW	805	861	905	2x200	3x200	19
MBRL 901 T4 37kW	905	958	1005	3x200	4x200	20
MBRL 902 T4 45kW	905	958	1005	3x200	4x200	20
MBRL 903 T6 11kW	905	958	1005	3x200	4x200	20
MBRL 904 T6 15kW	905	958	1005	3x200	4x200	20
MBRL 1001 T4 55kW	1007	1067	1107	3x200	4x200	20
MBRL 1002 T4 75kW	1007	1067	1107	3x200	4x200	20
MBRL 1003 T6 18,5kW	1007	1067	1107	3x200	4x200	20
MBRL 1004 T6 22kW	1007	1067	1107	3x200	4x200	20
MBRL 1121 T6 30kW	1130	1200	1250	3x200	5x200	24
MBRL 1122 T6 37kW	1130	1200	1250	3x200	5x200	24
MBRL 1251 T6 55kW	1260	1337	1380	4x200	6x200	24
MBRL 1252 T6 75kW	1260	1337	1380	4x200	6x200	24
MBRL 1401 T6 90kW	1420	1491	1540	4x200	6x200	24
MBRL 1402 T6 110kW	1420	1491	1540	4x200	6x200	24

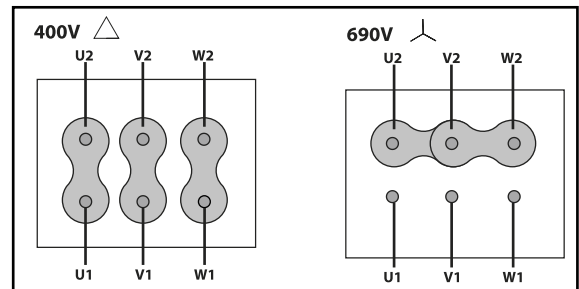
Wiring diagram

DIAGRAM Nº 1

230/400V



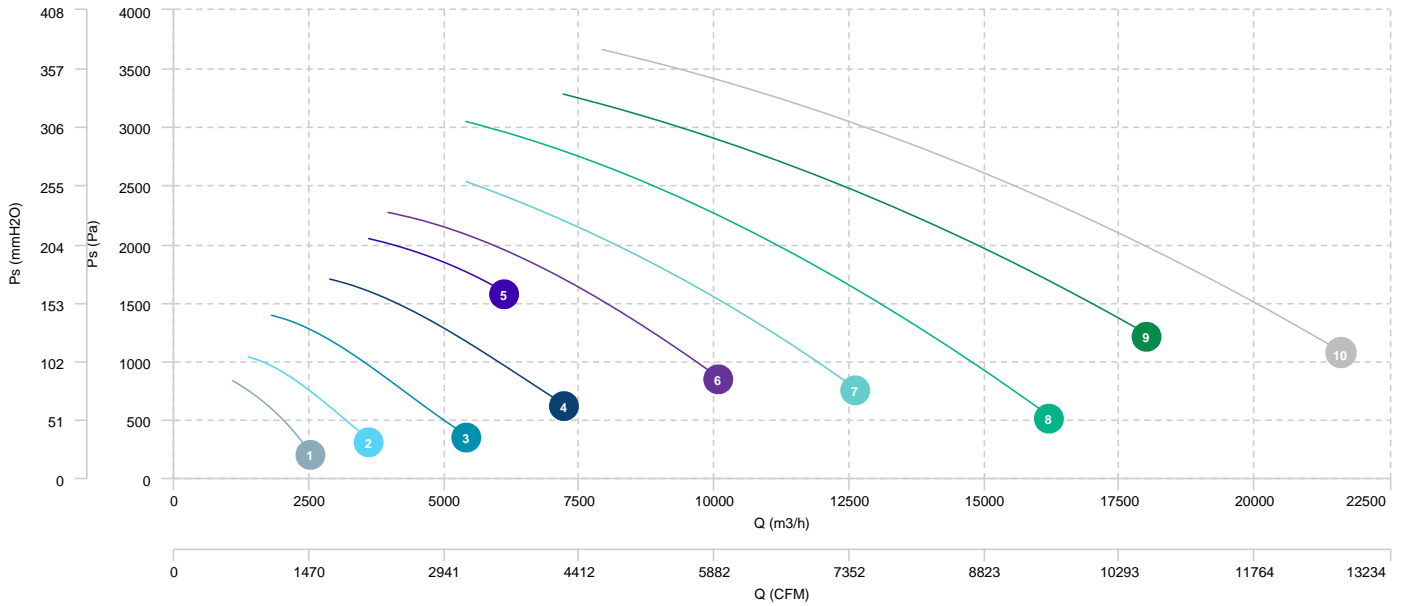
400/690V



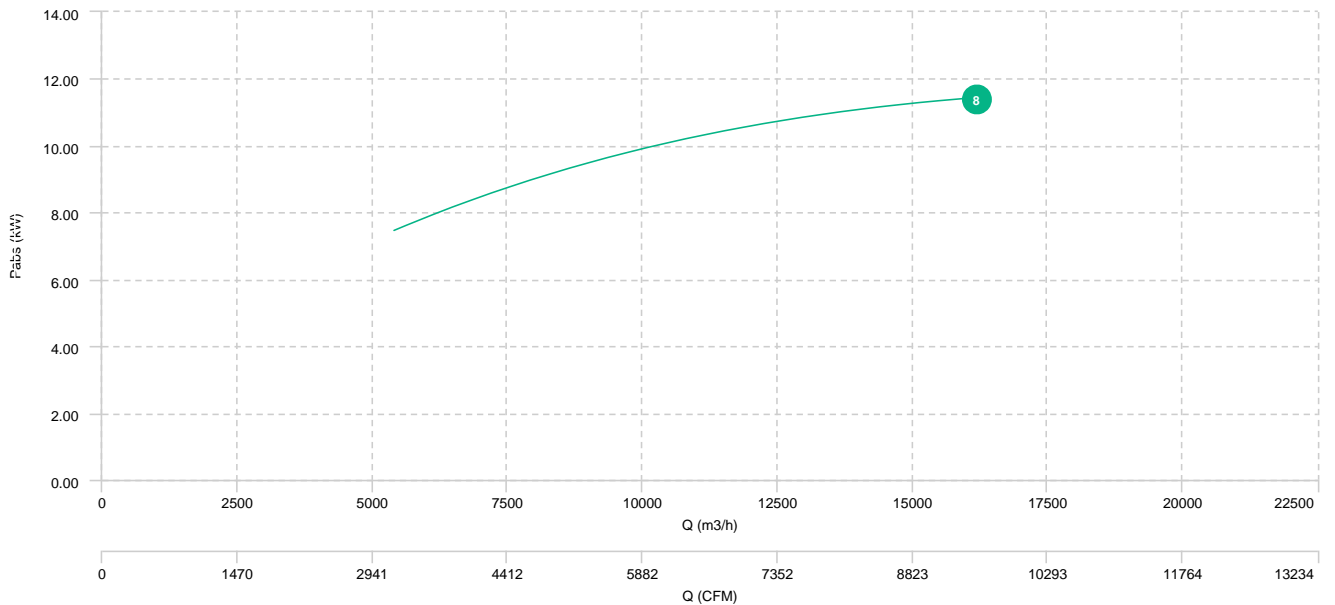
CHARACTERISTIC CURVE

1	MBRL 250 T2 0,55kW	2	MBRL 280 T2 1,1kW	3	MBRL 311 T2 2,2kW	4	MBRL 351 T2 3kW
5	MBRL 401 T2 4kW	6	MBRL 402 T2 5,5kW	7	MBRL 451 T2 7,5kW	8	MBRL 452 T2 11kW
9	MBRL 501 T2 15kW	10	MBRL 502 T2 18,5kW				

AIR FLOW - PRESSURE

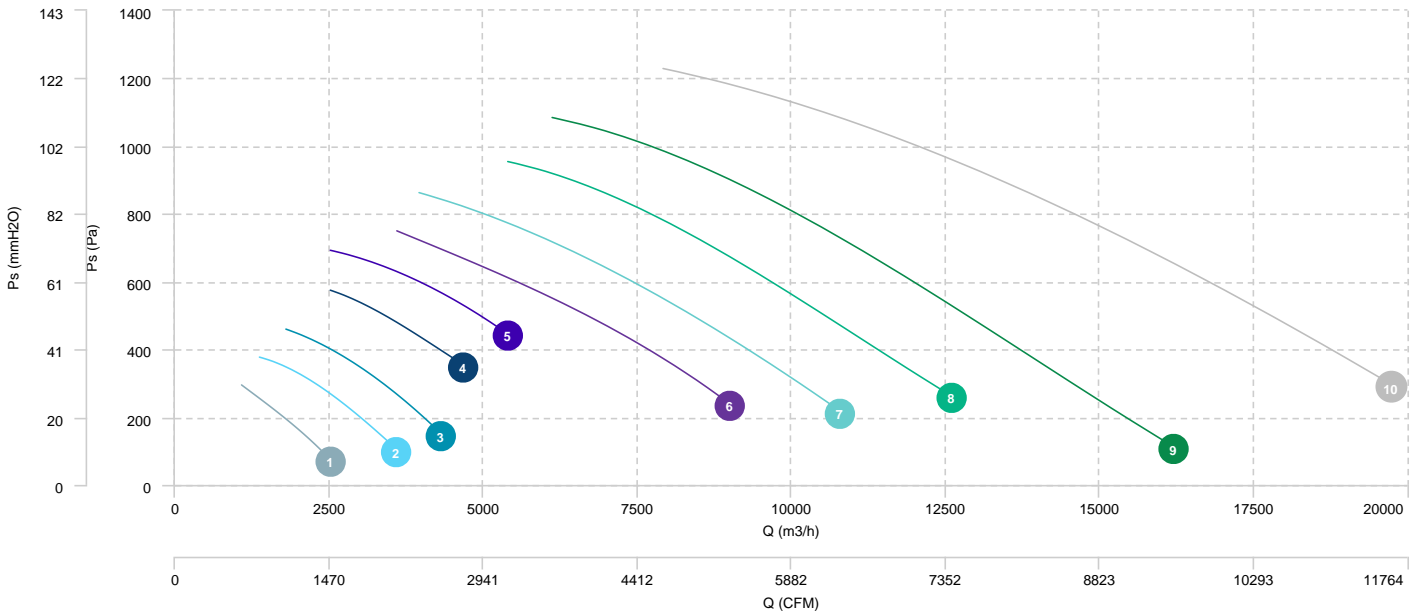


AIR FLOW - ABSORBED POWER

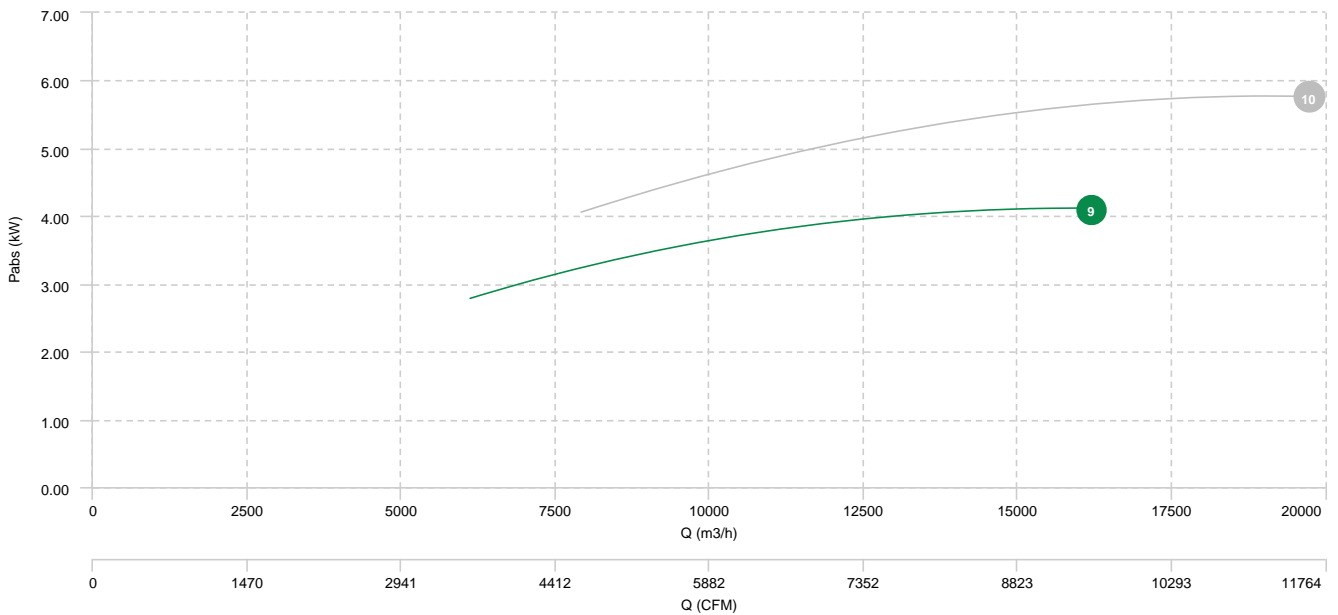


1	MBRL 312 T4 0,18kW	2	MBRL 352 T4 0,37kW	3	MBRL 403 T4 0,75kW	4	MBRL 453 T4 0,75kW
5	MBRL 454 T4 1,1kW	6	MBRL 503 T4 1,5kW	7	MBRL 504 T4 2,2kW	8	MBRL 561 T4 3kW
9	MBRL 562 T4 4kW	10	MBRL 631 T4 5,5kW				

AIR FLOW - PRESSURE

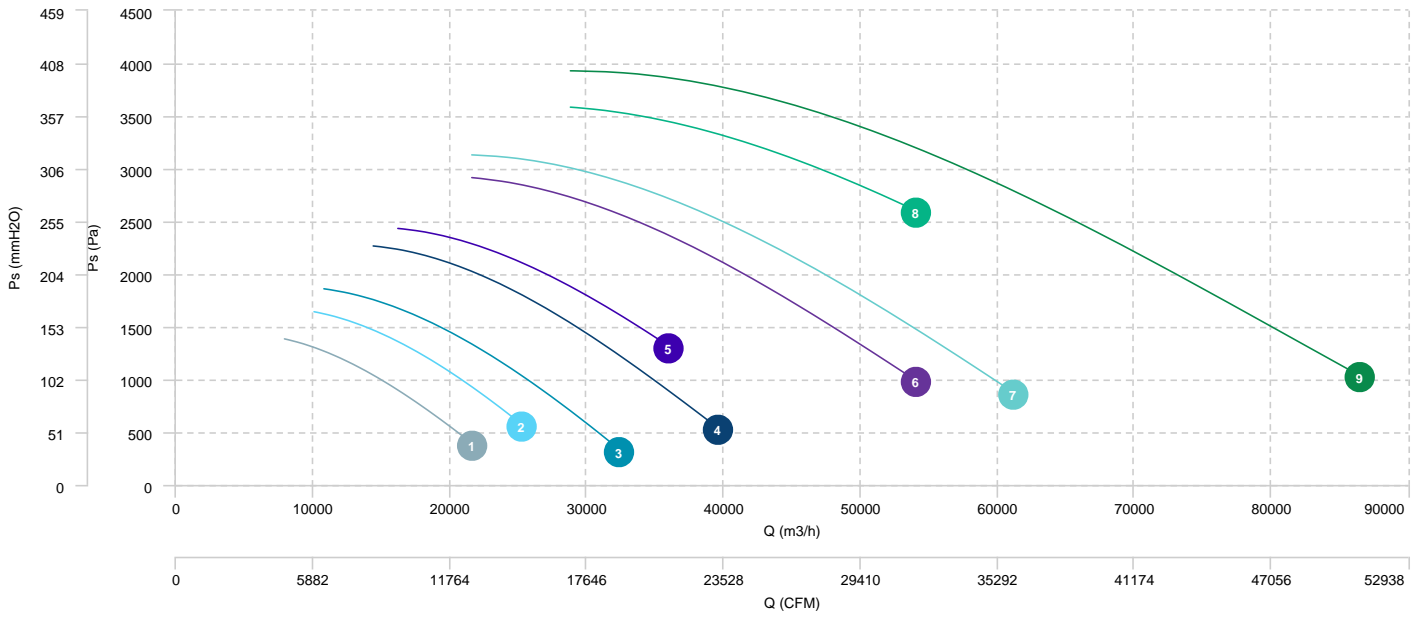


AIR FLOW - ABSORBED POWER



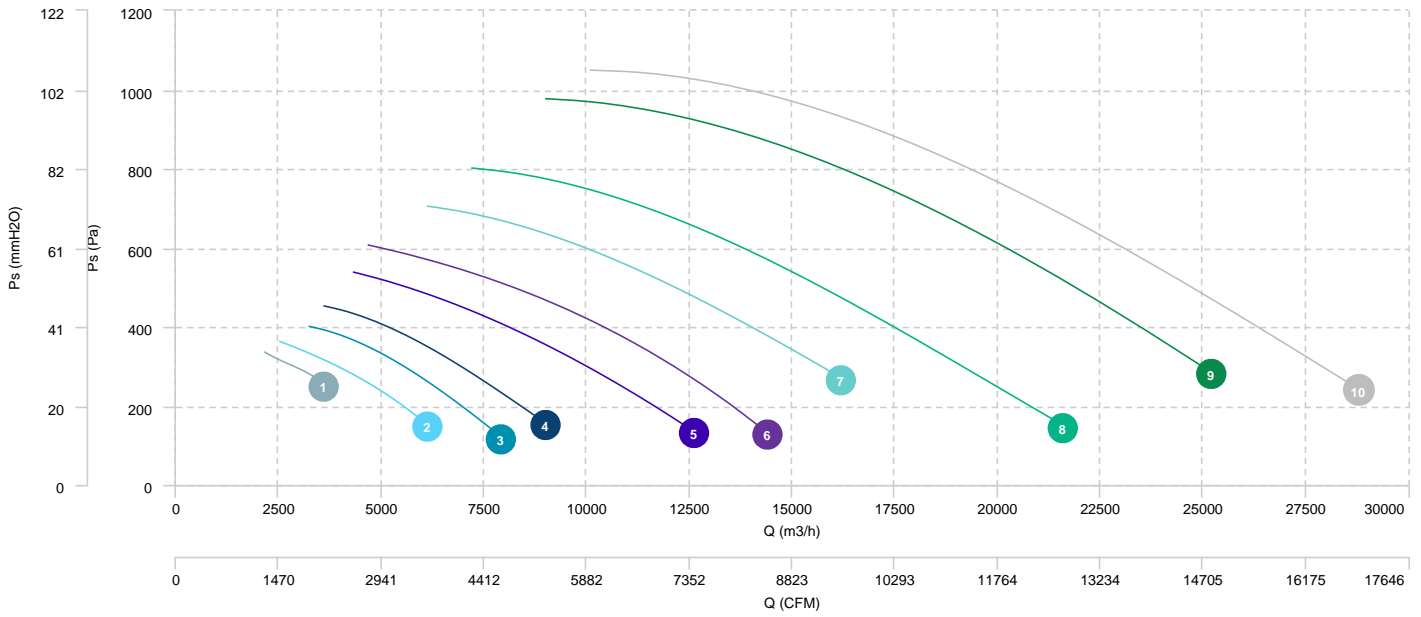
1	MBRL 632 T4 7,5kW	2	MBRL 711 T4 11kW	3	MBRL 712 T4 15kW	4	MBRL 801 T4 18,5kW
5	MBRL 802 T4 22kW	6	MBRL 901 T4 37kW	7	MBRL 902 T4 45kW	8	MBRL 1001 T4 55kW
9	MBRL 1002 T4 75kW						

AIR FLOW - PRESSURE

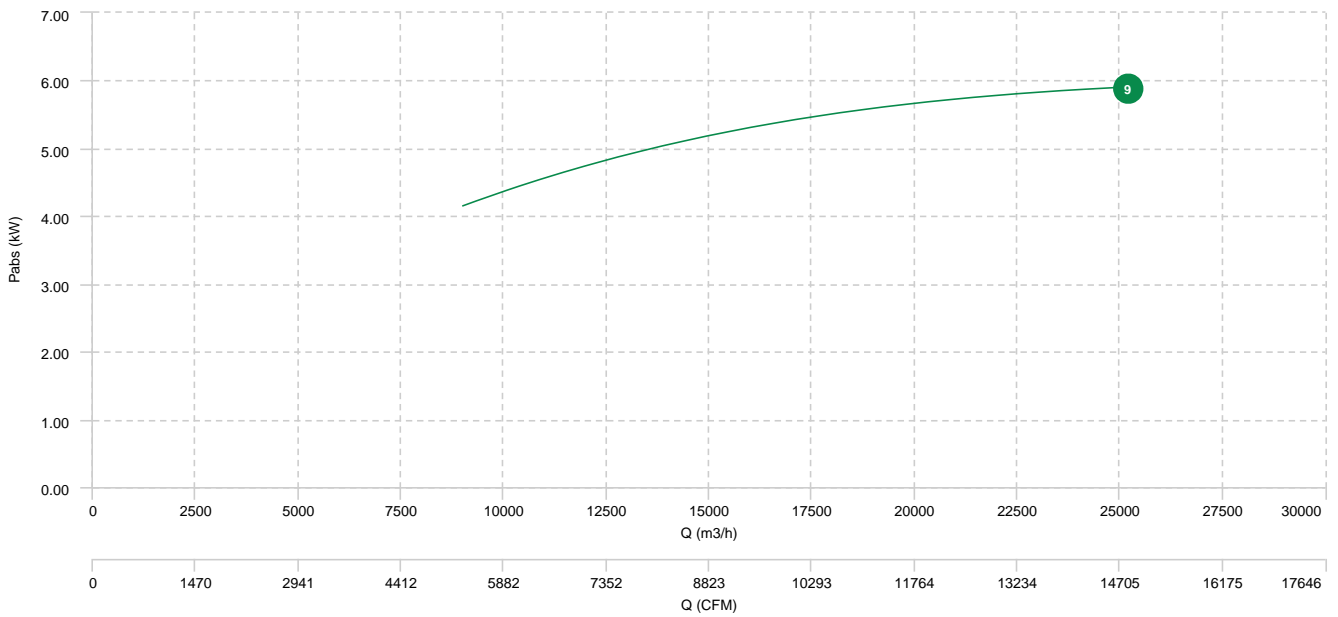


1	MBRL 505 T6 0,37kW	2	MBRL 506 T6 0,55kW	3	MBRL 563 T6 0,75kW	4	MBRL 564 T6 1,1kW
5	MBRL 633 T6 1,5kW	6	MBRL 634 T6 2,2kW	7	MBRL 713 T6 3kW	8	MBRL 714 T6 4kW
9	MBRL 803 T6 5,5kW	10	MBRL 804 T6 7,5kW				

AIR FLOW - PRESSURE

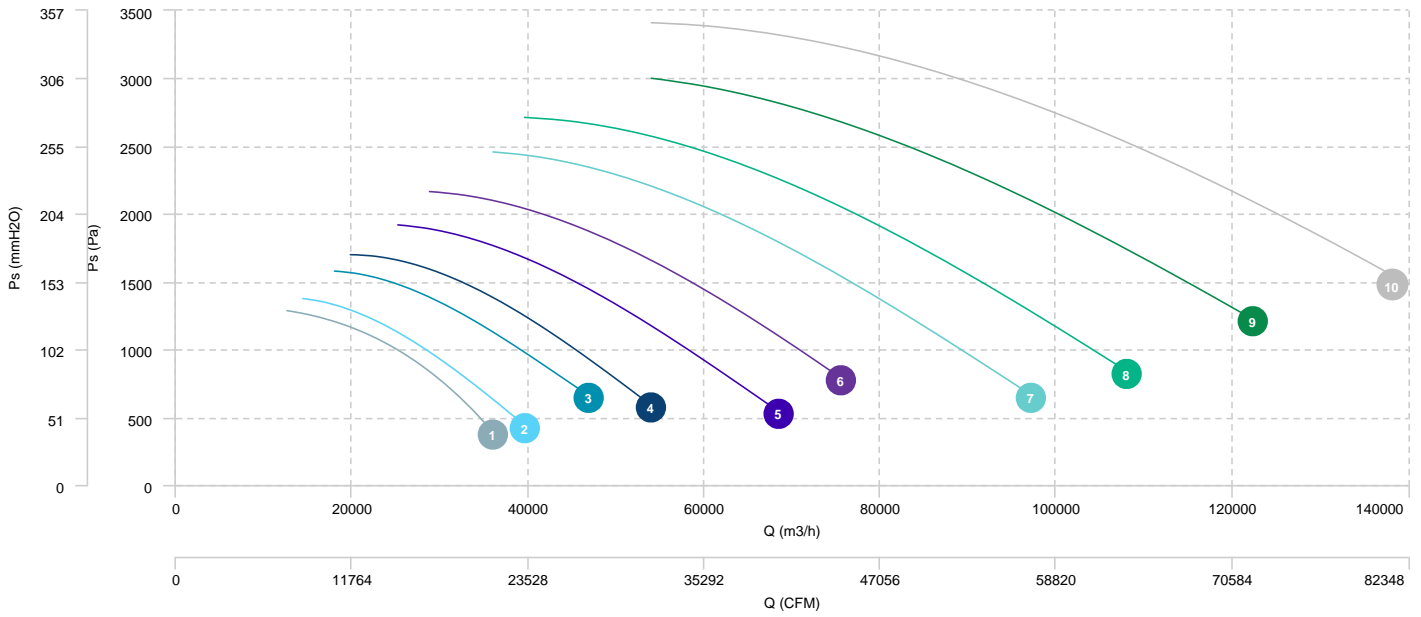


AIR FLOW - ABSORBED POWER



1	MBRL 903 T6 11kW	2	MBRL 904 T6 15kW	3	MBRL 1003 T6 18,5kW	4	MBRL 1004 T6 22kW
5	MBRL 1121 T6 30kW	6	MBRL 1122 T6 37kW	7	MBRL 1251 T6 55kW	8	MBRL 1252 T6 75kW
9	MBRL 1401 T6 90kW	10	MBRL 1402 T6 110kW				

AIR FLOW - PRESSURE



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
MBRL 250 T2 0,55kW	Inlet	53	65	71	75	76	72	65	62	80
MBRL 280 T2 1,1kW	Inlet	58	70	76	80	81	77	70	67	85
MBRL 311 T2 2,2kW	Inlet	59	71	77	81	82	77	71	68	86
MBRL 351 T2 3kW	Inlet	62	74	81	85	86	81	75	72	90
MBRL 401 T2 4kW	Inlet	64	76	82	86	87	83	76	73	91
MBRL 402 T2 5,5kW	Inlet	66	78	84	88	89	85	78	75	93
MBRL 451 T2 7,5kW	Inlet	70	82	88	92	93	89	79	76	97
MBRL 452 T2 11kW	Inlet	71	83	90	94	95	90	84	81	99
MBRL 501 T2 15kW	Inlet	72	84	90	94	95	91	84	81	100
MBRL 502 T2 18,5kW	Inlet	73	85	92	96	97	92	86	83	101

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
MBRL 312 T4 0,18kW	Inlet	42	45	60	64	65	60	54	51	69
MBRL 352 T4 0,37kW	Inlet	45	57	64	68	69	64	58	55	73
MBRL 403 T4 0,75kW	Inlet	52	64	71	75	76	71	65	62	80
MBRL 453 T4 0,75kW	Inlet	52	64	70	74	75	71	64	61	80
MBRL 454 T4 1,1kW	Inlet	54	66	72	77	77	73	66	63	82
MBRL 503 T4 1,5kW	Inlet	56	68	74	78	79	75	68	65	83
MBRL 504 T4 2,2kW	Inlet	55	67	74	78	79	74	68	65	83
MBRL 561 T4 3kW	Inlet	61	73	79	83	84	79	73	70	82
MBRL 562 T4 4kW	Inlet	62	74	80	84	85	81	74	71	89
MBRL 631 T4 5,5kW	Inlet	63	75	81	85	86	81	75	72	90
MBRL 632 T4 7,5kW	Inlet	65	77	83	87	88	83	77	74	92
MBRL 711 T4 11kW	Inlet	66	78	85	89	90	85	79	76	94
MBRL 712 T4 15kW	Inlet	68	80	87	91	92	87	81	78	96
MBRL 801 T4 18,5kW	Inlet	70	82	88	92	93	89	82	79	97
MBRL 802 T4 22kW	Inlet	71	83	90	94	95	90	84	81	99
MBRL 901 T4 37kW	Inlet	73	85	91	95	96	92	85	82	101
MBRL 902 T4 45kW	Inlet	74	86	92	96	97	93	86	83	101
MBRL 1001 T4 55kW	Inlet	70	82	88	92	93	89	82	79	97
MBRL 1002 T4 75kW	Inlet	77	89	95	99	100	96	89	86	104

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
MBRL 505 T6 0,37kW	Inlet	42	54	60	64	65	60	54	51	69
MBRL 506 T6 0,55kW	Inlet	49	61	67	71	72	68	61	58	76
MBRL 563 T6 0,75kW	Inlet	52	64	70	74	75	71	64	61	80
MBRL 564 T6 1,1kW	Inlet	52	64	71	75	76	71	64	61	80
MBRL 633 T6 1,5kW	Inlet	53	65	72	76	77	72	66	63	81
MBRL 634 T6 2,2kW	Inlet	54	66	72	76	77	73	66	63	81
MBRL 713 T6 3kW	Inlet	57	69	75	79	80	75	69	66	84
MBRL 714 T6 4kW	Inlet	59	71	77	81	82	77	71	68	86
MBRL 803 T6 5,5kW	Inlet	60	72	78	82	83	79	72	69	87
MBRL 804 T6 7,5kW	Inlet	63	75	81	85	86	82	75	72	90
MBRL 903 T6 11kW	Inlet	65	77	84	88	89	84	78	75	93
MBRL 904 T6 15kW	Inlet	67	79	85	89	90	86	79	76	94
MBRL 1003 T6 18,5kW	Inlet	67	79	85	89	90	86	79	76	94
MBRL 1004 T6 22kW	Inlet	65	77	83	87	88	84	77	74	93
MBRL 1121 T6 30kW	Inlet	69	81	87	91	92	88	81	78	97
MBRL 1122 T6 37kW	Inlet	65	77	84	88	89	84	77	74	93
MBRL 1251 T6 55kW	Inlet	72	84	91	95	96	91	85	82	100
MBRL 1252 T6 75kW	Inlet	74	86	92	97	97	93	86	83	102
MBRL 1401 T6 90kW	Inlet	75	87	94	98	99	94	88	85	103
MBRL 1402 T6 110kW	Inlet	76	88	94	98	99	95	88	85	103

erp data

ERP	
Fan type	Centrifugal fan backward blades with casing
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
MBRL 452 T2 11kW	11	68,82	69	9.257,38	2.419,05	9,60	2930	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
MBRL 562 T4 4kW	4	69,89	74,95	8.196,19	966,67	3,30	1440	1,00
MBRL 631 T4 5,5kW	5,5	69,86	73,15	10.998,54	1.071,77	4,85	1440	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
MBRL 803 T6 5,5kW	5,5	71,70	74,62	15.665,31	823,37	5,27	960	1,00