

MBRU



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.
- Single inlet backward impeller with self-cleaning system 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 rated class F insulation. Manufactured with standard voltages: 230/400V 50Hz for 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.
- Dusty air and small loads of pellet materials transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air: 130°C, ambient 60°C.

UNDER REQUEST

- Fans for 60Hz and special voltages.
- 2 speed motor.
- C4 or C5 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)
- 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.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

Accessories



AB



AC



AVR



AVS



BA-400



BAD



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 m ³ /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
501902515	MBRU 250 T2 0,37kW	2800	1,58	0,91	0,37	1.225	49	28	1
501902816	MBRU 280 T2 0,55kW	2800	2,23	1,29	0,55	1.620	50	30	1
501903118	MBRU 310 T2 1,1kW	2800	4,05	2,33	1,10	2.520	51	42	1
501903527	MBRU 350 T2 2,2kW	2840	7,97	4,58	2,20	3.240	54	62	1
501904032	MBRU 400 T2 4kW	2880	13,3	7,63	4,00	4.680	57	90	1
501904536	MBRU 450 T2 7,5kW	2910	-	14,1	7,50	10.520	62	115	1
501905021	MBRU 501 T2 11kW	2940	-	20,8	11,00	10.800	62	175	1
501905624	MBRU 561 T2 15kW	2935	-	27,4	15,00	14.400	65	217	1
501905626	MBRU 562 T2 18,5kW	2940	-	34,4	18,50	16.000	64	228	1
501906330	MBRU 631 T2 30kW	2955	-	56,6	30,00	25.200	71	438	1
501906331	MBRU 632 T2 37kW	2955	-	66,7	37,00	28.800	70	443	1
501907135	MBRU 711 T2 55kW	2960	-	95,00	55,00	25.200	71	625	1
501907137	MBRU 712 T2 75kW	2975	-	130,00	75,00	39.600	73	760	1
501908038	MBRU 801 T2 90kW	2975	-	156,00	90,00	32.400	71	904	1
501908022	MBRU 802 T2 110kW	2980	-	188,00	110,00	39.600	75	1046	1

Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
501905045	MBRU 502 T4 1,1kW	1450	4,33	2,49	1,10	3.960	51	100	1
501905654	MBRU 563 T4 2,2kW	1435	8,07	4,64	2,20	7.200	53	143	1
501906359	MBRU 633 T4 4kW	1440	14,5	8,32	4,00	12.600	55	190	1
501907161	MBRU 713 T4 5,5kW	1460	-	10,5	5,50	10.800	55	275	1
501907163	MBRU 714 T4 7,5kW	1455	-	14,1	7,50	16.200	59	288	1
501908049	MBRU 803 T4 11kW	1455	-	21,2	11,00	18.000	58	418	1
501908052	MBRU 804 T4 15kW	1465	-	29,8	15,00	28.800	62	432	1
501909053	MBRU 901 T4 18,5kW	1470	-	35,6	18,50	19.800	58	590	1
501909057	MBRU 902 T4 30kW	1475	-	56,3	30,00	36.000	64	687	1
501910058	MBRU 1001 T4 37kW	1470	-	69,2	37,00	43.200	66	933	1
501910060	MBRU 1002 T4 45kW	1475	-	80,7	45,00	46.800	66	975	1
501911262	MBRU 1121 T4 55kW	1475	-	97,1	55,00	61.200	64	1210	1
501911264	MBRU 1122 T4 75kW	1485	-	133,00	75,00	68.500	66	1390	1
501912550	MBRU 1251 T4 110kW	1490	-	194,00	110,00	85.000	71	1840	1

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
501912551	MBRU 1252 T4 132kW	1490	-	230,00	132,00	110.000	73	1875	1
501914105	MBRU 1401 T4 200kW	1490	-	351,00	200,00	125.000	74	2336	1
501914108	MBRU 1402 T4 250kW	1490	-	428,00	250,00	135.000	74	2336	1

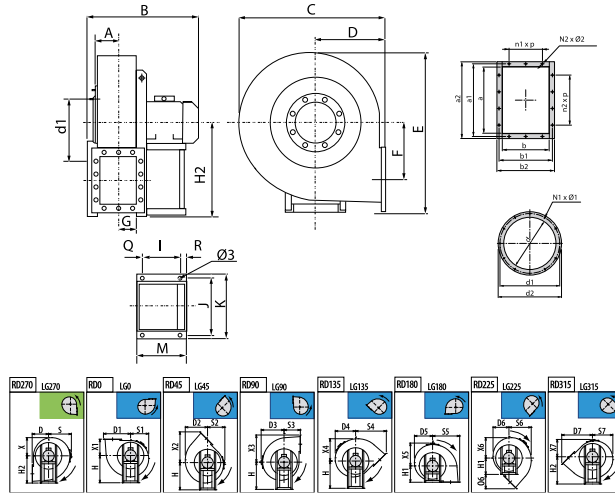
Three-phase motor / 6 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
501908083	MBRU 805 T6 4kW	960	16,5	9,46	4,00	16.200	54	390	1
501909087	MBRU 903 T6 7,5kW	965	-	15,2	7,50	25.200	55	504	1
501910075	MBRU 1003 T6 11kW	965	-	22,6	11,00	28.800	58	684	1
501910076	MBRU 1004 T6 15kW	970	-	27,7	15,00	32.400	58	759	1
501911277	MBRU 1123 T6 18,5kW	975	-	35,7	18,50	36.000	61	935	1
501911279	MBRU 1124 T6 22kW	975	-	42,3	22,00	47.800	62	956	1
501912581	MBRU 1253 T6 30kW	985	-	54,4	30,00	54.000	62	1283	1
501912582	MBRU 1254 T6 37kW	985	-	66,8	37,00	68.400	63	1378	1
501914084	MBRU 1403 T6 45kW	985	-	84,8	45,00	58.000	61	2150	1
501914088	MBRU 1404 T6 75kW	990	-	138,00	75,00	85.000	65	2336	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
MBRU 250 T2 0,37kW	86	396	471	195	314	255	276	235	212
MBRU 280 T2 0,55kW	95	414	505	200	353	287	305	262	231
MBRU 310 T2 1,1kW	105	458	557	225	393	316	332	288	256
MBRU 350 T2 2,2kW	115	530	600	255	437	359	375	325	288
MBRU 400 T2 4kW	127	606	685	285	487	387	400	353	311
MBRU 450 T2 7,5kW	141	673	765	320	542	435	445	398	354
MBRU 501 T2 11kW	157	810	862	360	597	490	502	450	400
MBRU 502 T4 1,1kW	157	613	862	360	597	490	502	450	400

Model	D6	D7	E	F	G	H	H1	H2	I
MBRU 250 T2 0,37kW	215	360	527	175	77	315	195	315	121
MBRU 280 T2 0,55kW	226	391	606	202	86	375	200	375	121
MBRU 310 T2 1,1kW	253	437	656	229	96	400	225	400	121
MBRU 350 T2 2,2kW	278	489	738	253	106	450	255	450	133
MBRU 400 T2 4kW	306	546	811	286	118	500	285	500	197
MBRU 450 T2 7,5kW	342	609	914	321	132	560	320	560	237
MBRU 501 T2 11kW	380	677	1000	355	148	600	360	600	337
MBRU 502 T4 1,1kW	380	677	1000	355	148	600	360	600	133

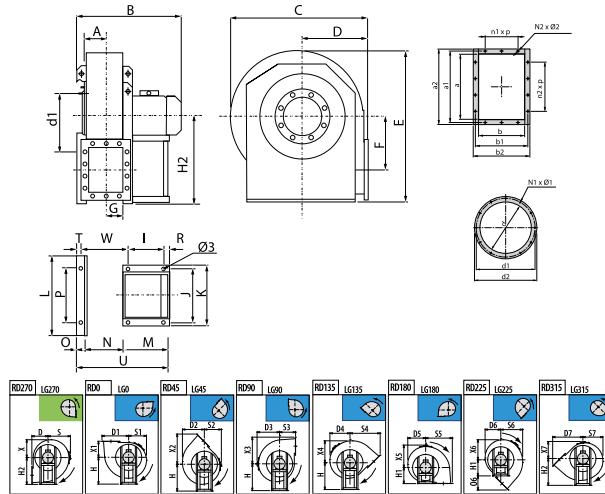
Model	J	K	M	N1xØ1	N2xØ2	O6	Q	R	S
MBRU 250 T2 0,37kW	203	225	189	Nº8 M6x20	8x12	165	45	23	276
MBRU 280 T2 0,55kW	203	225	189	Nº8 M6x20	8x12	191	45	23	305
MBRU 310 T2 1,1kW	203	225	211	Nº8 M6x20	10x12	212	45	45	332

Model	J	K	M	N1xØ1	N2xØ2	O6	Q	R	S
MBRU 350 T2 2,2kW	234	260	246	Nº8 M8x25	10x12	234	55	58	375
MBRU 400 T2 4kW	289	324	276	Nº8 M8x25	10x12	261	30	49	400
MBRU 450 T2 7,5kW	337	372	336	Nº8 M8x25	10x12	289	40	59	445
MBRU 501 T2 11kW	395	440	436	Nº12 M8x25	14x12	317	50	49	502
MBRU 502 T4 1,1kW	234	260	246	Nº12 M8x25	14x12	317	55	58	502

Model	S1	S2	S3	S4	S5	S6	S7	X	X1
MBRU 250 T2 0,37kW	212	215	195	360	314	255	235	212	195
MBRU 280 T2 0,55kW	231	226	200	391	353	287	262	231	200
MBRU 310 T2 1,1kW	256	253	225	437	393	316	288	256	225
MBRU 350 T2 2,2kW	288	278	255	489	437	359	325	288	255
MBRU 400 T2 4kW	311	306	285	543	487	387	353	311	285
MBRU 450 T2 7,5kW	354	342	320	609	542	435	398	354	320
MBRU 501 T2 11kW	400	380	360	676	597	490	450	400	360
MBRU 502 T4 1,1kW	400	380	360	676	597	490	450	400	360

Model	X2	X3	X4	X5	X6	X7	a	a1	a2
MBRU 250 T2 0,37kW	360	314	255	276	235	215	207	241	277
MBRU 280 T2 0,55kW	391	353	287	305	262	226	231	265	301
MBRU 310 T2 1,1kW	437	393	316	332	288	253	258	292	328
MBRU 350 T2 2,2kW	489	437	359	375	325	278	288	332	368
MBRU 400 T2 4kW	543	487	387	400	353	306	322	366	402
MBRU 450 T2 7,5kW	609	542	435	445	398	342	361	405	441
MBRU 501 T2 11kW	677	597	490	502	450	380	404	448	484
MBRU 502 T4 1,1kW	677	597	490	502	450	380	404	448	484

Model	b	b1	b2	d	d1	d2	n1xp	n2xp	Ø3
MBRU 250 T2 0,37kW	148	182	218	205	241	275	1x112	1x112	10
MBRU 280 T2 0,55kW	166	200	236	228	265	298	1x112	1x112	10
MBRU 310 T2 1,1kW	185	219	255	255	292	325	1x112	2x112	10
MBRU 350 T2 2,2kW	205	249	285	285	332	365	1x125	2x125	10
MBRU 400 T2 4kW	229	273	309	320	366	400	1x125	2x125	12
MBRU 450 T2 7,5kW	256	300	336	360	405	440	1x125	2x125	12
MBRU 501 T2 11kW	288	332	368	405	448	485	2x125	3x125	14
MBRU 502 T4 1,1kW	288	332	368	405	448	485	2x125	3x125	10



Model	A	B	C	D	D1	D2	D3	D4	D5
MBRU 561 T2 15kW	180	857	970	400	657	555	570	542	485
MBRU 562 T2 18,5kW	180	857	970	400	657	555	570	542	485
MBRU 563 T4 2,2kW	180	691	970	400	657	555	570	542	485
MBRU 631 T2 30kW	200	1086	1080	450	733	619	630	603	550
MBRU 632 T2 37kW	200	1086	1080	450	733	619	630	603	550
MBRU 633 T4 4kW	200	752	1080	450	733	619	630	603	550

Model	D6	D7	E	F	G	H	H1	H2	I
MBRU 561 T2 15kW	425	747	1155	390	165	670	400	670	337
MBRU 562 T2 18,5kW	425	747	1155	390	165	670	400	670	337
MBRU 563 T4 2,2kW	425	747	1155	390	165	670	400	670	197
MBRU 631 T2 30kW	476	836	1300	439	185	750	450	750	381
MBRU 632 T2 37kW	476	836	1300	439	185	750	450	750	381
MBRU 633 T4 4kW	476	836	1300	439	185	750	450	750	197

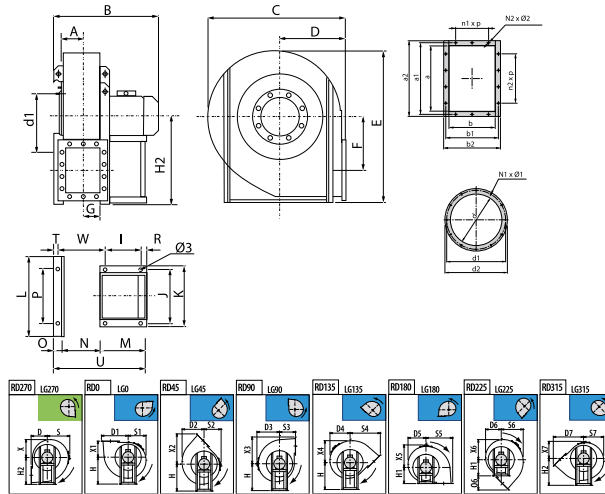
Model	J	K	L	M	N1xØ1	N2xØ2	O	O6	P
MBRU 561 T2 15kW	395	440	692	436	Nº12 M8x25	14x12	53	347	632
MBRU 562 T2 18,5kW	395	440	692	436	Nº12 M8x25	14x12	53	347	632
MBRU 563 T4 2,2kW	289	324	692	276	Nº12 M8x25	14x12	53	347	632
MBRU 631 T2 30kW	506	568	762	500	Nº12 M8x25	14x12	53	386	702
MBRU 632 T2 37kW	506	568	762	500	Nº12 M8x25	14x12	53	386	702
MBRU 633 T4 4kW	289	324	762	276	Nº12 M8x25	14x12	53	386	702

Model	R	S	S1	S2	S3	S4	S5	S6	S7
MBRU 561 T2 15kW	49	570	485	425	400	747	667	555	542
MBRU 562 T2 18,5kW	49	570	485	425	400	747	667	555	542
MBRU 563 T4 2,2kW	49	570	485	425	400	747	667	555	542
MBRU 631 T2 30kW	39	630	550	476	450	836	733	619	603
MBRU 632 T2 37kW	39	630	550	476	450	836	733	619	603
MBRU 633 T4 4kW	23	630	550	476	450	836	733	619	603

Model	T	U	W	X	X1	X2	X3	X4	X5
MBRU 561 T2 15kW	23	815	406	485	400	747	657	555	570
MBRU 562 T2 18,5kW	23	815	406	485	400	747	657	555	570
MBRU 563 T4 2,2kW	23	655	386	485	400	747	657	555	570
MBRU 631 T2 30kW	23	918	475	550	450	836	733	619	630
MBRU 632 T2 37kW	23	918	475	550	450	836	733	619	630
MBRU 633 T4 4kW	23	668	425	550	450	836	733	619	630

Model	X6	X7	a	a1	a2	b	b1	b2	d
MBRU 561 T2 15kW	542	425	453	497	533	322	366	402	455
MBRU 562 T2 18,5kW	542	425	453	497	533	322	366	402	455
MBRU 563 T4 2,2kW	542	425	453	497	533	322	366	402	455
MBRU 631 T2 30kW	603	476	507	551	587	361	405	441	505
MBRU 632 T2 37kW	603	476	507	551	587	361	405	441	505
MBRU 633 T4 4kW	603	476	507	551	587	361	405	441	505

Model	d1	d2	n1xp	n2xp	Ø3
MBRU 561 T2 15kW	497	535	2x125	3x125	14
MBRU 562 T2 18,5kW	497	535	2x125	3x125	14
MBRU 563 T4 2,2kW	497	535	2x125	3x125	12
MBRU 631 T2 30kW	551	585	2x125	3x125	20
MBRU 632 T2 37kW	551	585	2x125	3x125	20
MBRU 633 T4 4kW	551	585	2x125	3x125	12



Model	A	B	C	D	D1	D2	D3	D4	D5
MBRU 711 T2 55kW	221	880	1189	500	835	719	690	662	565
MBRU 712 T2 75kW	221	880	1189	500	835	719	690	662	565
MBRU 713 T4 5,5kW	221	880	1189	500	835	719	690	662	565
MBRU 714 T4 7,5kW	221	920	1189	500	835	719	690	662	565
MBRU 801 T2 90kW	246	1353	1342	560	929	811	782	749	641
MBRU 802 T2 110kW	246	1565	1342	560	929	811	782	749	641
MBRU 803 T4 11kW	246	1011	1342	560	929	811	782	749	641
MBRU 804 T4 15kW	246	1011	1342	560	929	811	782	749	641
MBRU 805 T6 4kW	246	906	1342	560	929	811	782	749	641
MBRU 901 T4 18,5kW	277	1146	1500	630	1038	905	870	835	721
MBRU 902 T4 30kW	277	1254	1500	630	1038	905	870	835	721
MBRU 903 T6 7,5kW	277	1065	1500	630	1038	905	870	835	721
MBRU 1001 T4 37kW	308	1318	1686	710	1171	1015	976	936	814
MBRU 1002 T4 45kW	308	1378	1686	710	1171	1015	976	936	814
MBRU 1003 T6 11kW	308	1147	1686	710	1171	1015	976	936	814
MBRU 1004 T6 15kW	308	1279	1686	710	1171	1015	976	936	814
MBRU 1121 T4 55kW	350	1555	1884	800	1309	1133	1084	1037	932
MBRU 1122 T4 75kW	350	1555	1884	800	1309	1133	1084	1037	932
MBRU 1123 T6 18,5kW	350	1405	1884	800	1309	1133	1084	1037	932
MBRU 1124 T6 22kW	350	1405	1884	800	1309	1133	1084	1037	932
MBRU 1251 T4 110kW	388	1847	2114	900	1464	1270	1214	1163	1048
MBRU 1252 T4 132kW	388	1847	2114	900	1464	1270	1214	1163	1048
MBRU 1253 T6 30kW	388	1524	2114	900	1464	1270	1214	1163	1048
MBRU 1254 T6 37kW	388	1632	2114	900	1464	1270	1214	1163	1048
MBRU 1401 T4 200kW	430	1963	2325	1000	1635	1395	1325	1272	1145
MBRU 1402 T4 250kW	430	1963	2325	1000	1635	1395	1325	1272	1145
MBRU 1403 T6 45kW	430	1751	2325	1000	1635	1395	1325	1272	1145

Model	A	B	C	D	D1	D2	D3	D4	D5
MBRU 1404 T6 75kW	430	1963	2325	1000	1635	1395	1325	1272	1145

Model	D6	D7	E	F	G	H	H1	H2	I
MBRU 711 T2 55kW	497	944	1416	500	202	670	500	850	201
MBRU 712 T2 75kW	497	944	1416	500	202	670	500	850	201
MBRU 713 T4 5,5kW	497	944	1416	500	202	670	500	850	201
MBRU 714 T4 7,5kW	497	944	1416	500	202	670	500	850	201
MBRU 801 T2 90kW	562	1053	1591	560	226	755	560	950	591
MBRU 802 T2 110kW	562	1053	1591	560	226	755	560	950	675
MBRU 803 T4 11kW	562	1053	1591	560	226	755	560	950	315
MBRU 804 T4 15kW	562	1053	1591	560	226	755	560	950	315
MBRU 805 T6 4kW	562	1053	1591	560	226	755	560	950	201
MBRU 901 T4 18,5kW	633	1180	1781	630	253	850	630	1060	361
MBRU 902 T4 30kW	633	1180	1781	630	253	850	630	1060	401
MBRU 903 T6 7,5kW	633	1180	1781	630	253	850	630	1060	316
MBRU 1001 T4 37kW	718	1330	1994	710	284	950	710	1180	440
MBRU 1002 T4 45kW	718	1330	1994	710	284	950	710	1180	440
MBRU 1003 T6 11kW	718	1330	1994	710	284	950	710	1180	315
MBRU 1004 T6 15kW	718	1330	1994	710	284	950	710	1180	360
MBRU 1121 T4 55kW	793	1491	2252	800	319	1060	800	1320	475
MBRU 1122 T4 75kW	793	1491	2252	800	319	1060	800	1320	565
MBRU 1123 T6 18,5kW	793	1491	2252	800	319	1060	800	1320	375
MBRU 1124 T6 22kW	793	1491	2252	800	319	1060	800	1320	375
MBRU 1251 T4 110kW	898	1671	2548	900	358	1190	900	1500	675
MBRU 1252 T4 132kW	898	1671	2548	900	358	1190	900	1500	675
MBRU 1253 T6 30kW	898	1671	2548	900	358	1190	900	1500	415
MBRU 1254 T6 37kW	898	1671	2548	900	358	1190	900	1500	475
MBRU 1401 T4 200kW	990	1863	2845	1000	401	1320	1000	1700	645
MBRU 1402 T4 250kW	990	1863	2845	1000	401	1320	1000	1700	645
MBRU 1403 T6 45kW	990	1863	2845	1000	401	1320	1000	1700	535
MBRU 1404 T6 75kW	990	1863	2845	1000	401	1320	1000	1700	645

Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
MBRU 711 T2 55kW	772	826	915	300	404	Nº12 M8x25	14x14	60	444
MBRU 712 T2 75kW	772	826	915	300	404	Nº12 M8x25	14x14	60	444
MBRU 713 T4 5,5kW	772	826	915	300	404	Nº12 M8x25	14x14	60	444
MBRU 714 T4 7,5kW	772	826	915	300	404	Nº12 M8x25	14x14	60	444

Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
MBRU 801 T2 90kW	862	926	1044	690	453	Nº12 M10x30	14x14	80	493
MBRU 802 T2 110kW	862	926	1044	800	453	Nº12 M10x30	14x14	80	493
MBRU 803 T4 11kW	862	926	1044	436	453	Nº12 M10x30	14x14	80	493
MBRU 804 T4 15kW	862	926	1044	436	453	Nº12 M10x30	14x14	80	493
MBRU 805 T6 4kW	862	926	1044	336	453	Nº12 M10x30	14x14	80	493
MBRU 901 T4 18,5kW	962	1026	1144	460	507	Nº16 M10x30	16x14	80	550
MBRU 902 T4 30kW	962	1026	1144	500	507	Nº16 M10x30	16x14	80	550
MBRU 903 T6 7,5kW	962	1026	1144	436	507	Nº16 M10x30	16x14	80	550
MBRU 1001 T4 37kW	1056	1128	1254	540	569	Nº16 M10x30	14x14	100	620
MBRU 1002 T4 45kW	1056	1128	1254	540	569	Nº16 M10x30	14x14	100	620
MBRU 1003 T6 11kW	1056	1128	1254	436	569	Nº16 M10x30	14x14	100	620
MBRU 1004 T6 15kW	1056	1128	1254	460	569	Nº16 M10x30	14x14	100	620
MBRU 1121 T4 55kW	1178	1268	1400	600	638	Nº16 M10x30	18x14	100	691
MBRU 1122 T4 75kW	1178	1268	1400	690	638	Nº16 M10x30	18x14	100	691
MBRU 1123 T6 18,5kW	1178	1268	1400	500	638	Nº16 M10x30	18x14	100	691
MBRU 1124 T6 22kW	1178	1268	1400	500	638	Nº16 M10x30	18x14	100	691
MBRU 1251 T4 110kW	1310	1400	1530	800	716	Nº24 M10x30	18x14	100	771
MBRU 1252 T4 132kW	1310	1400	1530	800	716	Nº24 M10x30	18x14	100	771
MBRU 1253 T6 30kW	1310	1400	1530	540	716	Nº24 M10x30	18x14	100	771
MBRU 1254 T6 37kW	1310	1400	1530	600	716	Nº24 M10x30	18x14	100	771
MBRU 1401 T4 200kW	1450	1560	1690	800	802	Nº24 M10x30	20x18	130	863
MBRU 1402 T4 250kW	1450	1560	1690	800	802	Nº24 M10x30	20x18	130	863
MBRU 1403 T6 45kW	1450	1560	1690	690	802	Nº24 M10x30	20x18	130	863

Model	J	K	L	M	N	N1xØ1	N2xØ2	O	O6
MBRU 1404 T6 75kW	1450	1560	1690	800	802	Nº24 M10x30	20x18	130	863

Model	P	R	S	S1	S2	S3	S4	S5	S6
MBRU 711 T2 55kW	772	39	690	565	497	500	944	835	719
MBRU 712 T2 75kW	772	39	690	565	497	500	944	835	719
MBRU 713 T4 5,5kW	772	39	690	565	497	500	944	835	719
MBRU 714 T4 7,5kW	772	39	690	565	497	500	944	835	719
MBRU 801 T2 90kW	862	39	782	641	562	560	1053	929	811
MBRU 802 T2 110kW	862	65	782	641	562	560	1053	929	811
MBRU 803 T4 11kW	862	60	782	641	562	560	1053	929	811
MBRU 804 T4 15kW	862	60	782	641	562	560	1053	929	811
MBRU 805 T6 4kW	862	75	782	641	562	560	1053	929	811
MBRU 901 T4 18,5kW	962	39	870	721	633	630	1180	1038	905
MBRU 902 T4 30kW	962	39	870	721	633	630	1180	1038	905
MBRU 903 T6 7,5kW	962	60	870	721	633	630	1180	1038	905
MBRU 1001 T4 37kW	1056	45	976	814	718	710	1330	1171	1015
MBRU 1002 T4 45kW	1056	45	976	814	718	710	1330	1171	1015
MBRU 1003 T6 11kW	1056	65	976	814	718	710	1330	1171	1015
MBRU 1004 T6 15kW	1056	45	976	814	718	710	1330	1171	1015
MBRU 1121 T4 55kW	1178	45	1084	932	793	800	1491	1309	1133
MBRU 1122 T4 75kW	1178	45	1084	932	793	800	1491	1309	1133
MBRU 1123 T6 18,5kW	1178	45	1084	932	793	800	1491	1309	1133
MBRU 1124 T6 22kW	1178	45	1084	932	793	800	1491	1309	1133
MBRU 1251 T4 110kW	1310	45	1214	1048	898	900	1671	1464	1270
MBRU 1252 T4 132kW	1310	45	1214	1048	898	900	1671	1464	1270
MBRU 1253 T6 30kW	1310	45	1214	1048	898	900	1671	1464	1270
MBRU 1254 T6 37kW	1310	45	1214	1048	898	900	1671	1464	1270
MBRU 1401 T4 200kW	1450	55	1325	1145	990	1000	1863	1635	1395
MBRU 1402 T4 250kW	1450	55	1325	1145	990	1000	1863	1635	1395
MBRU 1403 T6 45kW	1450	55	1325	1145	990	1000	1863	1635	1395
MBRU 1404 T6 75kW	1450	55	1325	1145	990	1000	1863	1635	1395

Model	S7	T	U	W	X	X1	X2	X3	X4
MBRU 711 T2 55kW	662	27	764	497	565	500	944	835	719
MBRU 712 T2 75kW	662	27	764	497	565	500	944	835	719
MBRU 713 T4 5,5kW	662	27	764	497	565	500	944	835	719
MBRU 714 T4 7,5kW	662	27	764	497	565	500	944	835	719
MBRU 801 T2 90kW	749	47	1223	546	641	560	1053	929	811
MBRU 802 T2 110kW	749	47	1333	546	641	560	1053	929	811
MBRU 803 T4 11kW	749	47	968	546	641	560	1053	929	811

Model	S7	T	U	W	X	X1	X2	X3	X4
MBRU 804 T4 15kW	749	47	968	546	641	560	1053	929	811
MBRU 805 T6 4kW	749	47	869	546	641	560	1053	929	811
MBRU 901 T4 18,5kW	835	47	1047	600	721	630	1180	1038	905
MBRU 902 T4 30kW	835	47	1087	600	721	630	1180	1038	905
MBRU 903 T6 7,5kW	835	47	1023	600	721	630	1180	1038	905
MBRU 1001 T4 37kW	936	67	1209	657	814	710	1330	1171	1015
MBRU 1002 T4 45kW	936	67	1209	657	814	710	1330	1171	1015
MBRU 1003 T6 11kW	936	67	1105	657	814	710	1330	1171	1015
MBRU 1004 T6 15kW	936	67	1129	657	814	710	1330	1171	1015
MBRU 1121 T4 55kW	1037	55	1338	763	932	800	1491	1309	1133
MBRU 1122 T4 75kW	1037	55	1428	763	932	800	1491	1309	1133
MBRU 1123 T6 18,5kW	1037	55	1238	763	932	800	1491	1309	1133
MBRU 1124 T6 22kW	1037	55	1238	763	932	800	1491	1309	1133
MBRU 1251 T4 110kW	1163	55	1615	840	1048	900	1671	1464	1270
MBRU 1252 T4 132kW	1163	55	1615	840	1048	900	1671	1464	1270
MBRU 1253 T6 30kW	1163	55	1355	840	1048	900	1671	1464	1270
MBRU 1254 T6 37kW	1163	55	1415	840	1048	900	1671	1464	1270
MBRU 1401 T4 200kW	1272	85	1731	946	1145	1000	1863	1635	1395
MBRU 1402 T4 250kW	1272	85	1731	946	1145	1000	1863	1635	1395
MBRU 1403 T6 45kW	1272	85	1621	946	1145	1000	1863	1635	1395
MBRU 1404 T6 75kW	1272	85	1731	946	1145	1000	1863	1635	1395

Model	X5	X6	X7	a	a1	a2	b	b1	b2
MBRU 711 T2 55kW	690	662	497	569	629	669	404	464	504
MBRU 712 T2 75kW	690	662	497	569	629	669	404	464	504
MBRU 713 T4 5,5kW	690	662	497	569	629	669	404	464	504
MBRU 714 T4 7,5kW	690	662	497	569	629	669	404	464	504
MBRU 801 T2 90kW	782	749	562	638	698	738	453	513	553
MBRU 802 T2 110kW	782	749	562	638	698	738	453	513	553
MBRU 803 T4 11kW	782	749	562	638	698	738	453	513	553
MBRU 804 T4 15kW	782	749	562	638	698	738	453	513	553
MBRU 805 T6 4kW	782	749	562	638	698	738	453	513	553
MBRU 901 T4 18,5kW	870	835	633	715	775	815	507	567	607
MBRU 902 T4 30kW	870	835	633	715	775	815	507	567	607
MBRU 903 T6 7,5kW	870	835	633	715	775	815	507	567	607
MBRU 1001 T4 37kW	976	936	718	801	871	921	569	639	689
MBRU 1002 T4 45kW	976	936	718	801	871	921	569	639	689
MBRU 1003 T6 11kW	976	936	718	801	871	921	569	639	689
MBRU 1004 T6 15kW	976	936	718	801	871	921	569	639	689
MBRU 1121 T4 55kW	1084	1037	793	898	968	1018	638	708	758

Model	X5	X6	X7	a	a1	a2	b	b1	b2
MBRU 1122 T4 75kW	1084	1037	793	898	968	1018	638	708	758
MBRU 1123 T6 18,5kW	1084	1037	793	898	968	1018	638	708	758
MBRU 1124 T6 22kW	1084	1037	793	898	968	1018	638	708	758
MBRU 1251 T4 110kW	1214	1163	898	1007	1077	1127	715	785	835
MBRU 1252 T4 132kW	1214	1163	898	1007	1077	1127	715	785	835
MBRU 1253 T6 30kW	1214	1163	898	1007	1077	1127	715	785	835
MBRU 1254 T6 37kW	1214	1163	898	1007	1077	1127	715	785	835
MBRU 1401 T4 200kW	1325	1272	990	1130	1210	1270	801	881	941
MBRU 1402 T4 250kW	1325	1272	990	1130	1210	1270	801	881	941
MBRU 1403 T6 45kW	1325	1272	990	1130	1210	1270	801	881	941
MBRU 1404 T6 75kW	1325	1272	990	1130	1210	1270	801	881	941

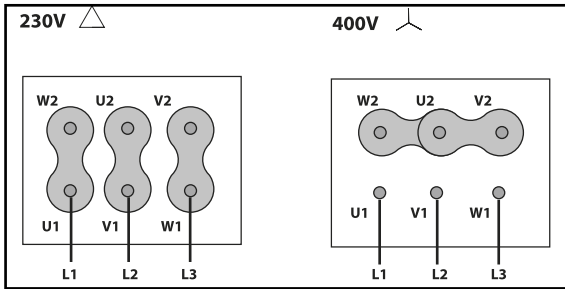
Model	d	d1	d2	n1xp	n2xp	Ø3
MBRU 711 T2 55kW	565	629	665	160	160	20
MBRU 712 T2 75kW	565	629	665	160	160	20
MBRU 713 T4 5,5kW	565	629	665	160	160	20
MBRU 714 T4 7,5kW	565	629	665	160	160	20
MBRU 801 T2 90kW	635	698	735	2x160	3x160	20
MBRU 802 T2 110kW	635	698	735	2x160	3x160	20
MBRU 803 T4 11kW	635	698	735	2x160	3x160	20
MBRU 804 T4 15kW	635	698	735	2x160	3x160	20
MBRU 805 T6 4kW	635	698	735	2x160	3x160	20
MBRU 901 T4 18,5kW	715	775	815	2x160	4x160	20
MBRU 902 T4 30kW	715	775	815	2x160	4x160	20
MBRU 903 T6 7,5kW	715	775	815	2x160	4x160	20
MBRU 1001 T4 37kW	805	861	905	2x200	3x200	20
MBRU 1002 T4 45kW	805	861	905	2x200	3x200	20
MBRU 1003 T6 11kW	805	861	905	2x200	3x200	20
MBRU 1004 T6 15kW	805	861	905	2x200	3x200	20
MBRU 1121 T4 55kW	905	958	1005	3x200	4x200	24
MBRU 1122 T4 75kW	905	958	1005	3x200	4x200	24
MBRU 1123 T6 18,5kW	905	958	1005	3x200	4x200	24
MBRU 1124 T6 22kW	905	958	1005	3x200	4x200	24
MBRU 1251 T4 110kW	1007	1067	1107	3x200	4x200	24
MBRU 1252 T4 132kW	1007	1067	1107	3x200	4x200	24
MBRU 1253 T6 30kW	1007	1067	1107	3x200	4x200	24
MBRU 1254 T6 37kW	1007	1067	1107	3x200	4x200	24
MBRU 1401 T4 200kW	1130	1200	1250	3x200	5x200	24
MBRU 1402 T4 250kW	1130	1200	1250	3x200	5x200	24
MBRU 1403 T6 45kW	1130	1200	1250	3x200	5x200	24

Model	d	d1	d2	n1xp	n2xp	Ø3
MBRU 1404 T6 75kW	1130	1200	1250	3x200	5x200	24

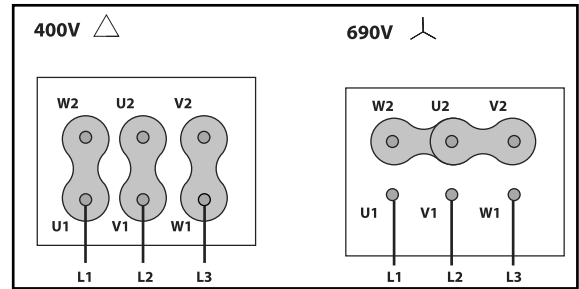
Wiring diagram

DIAGRAM N° 1

230/400V



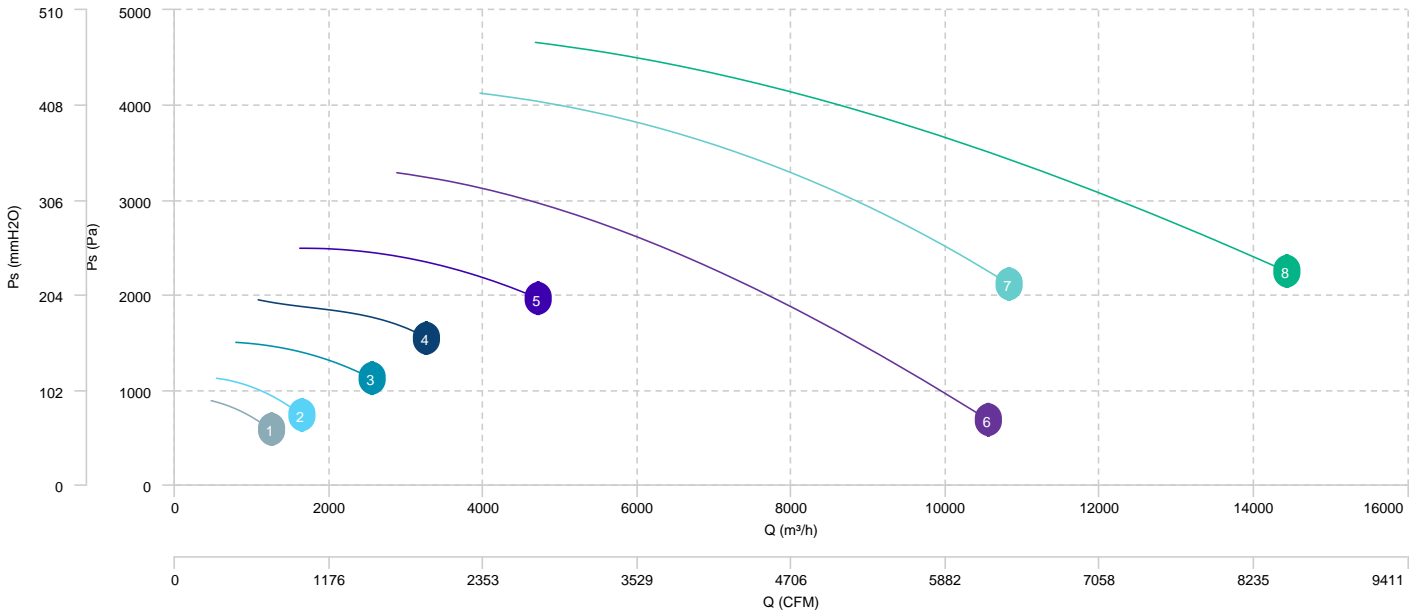
400/690V



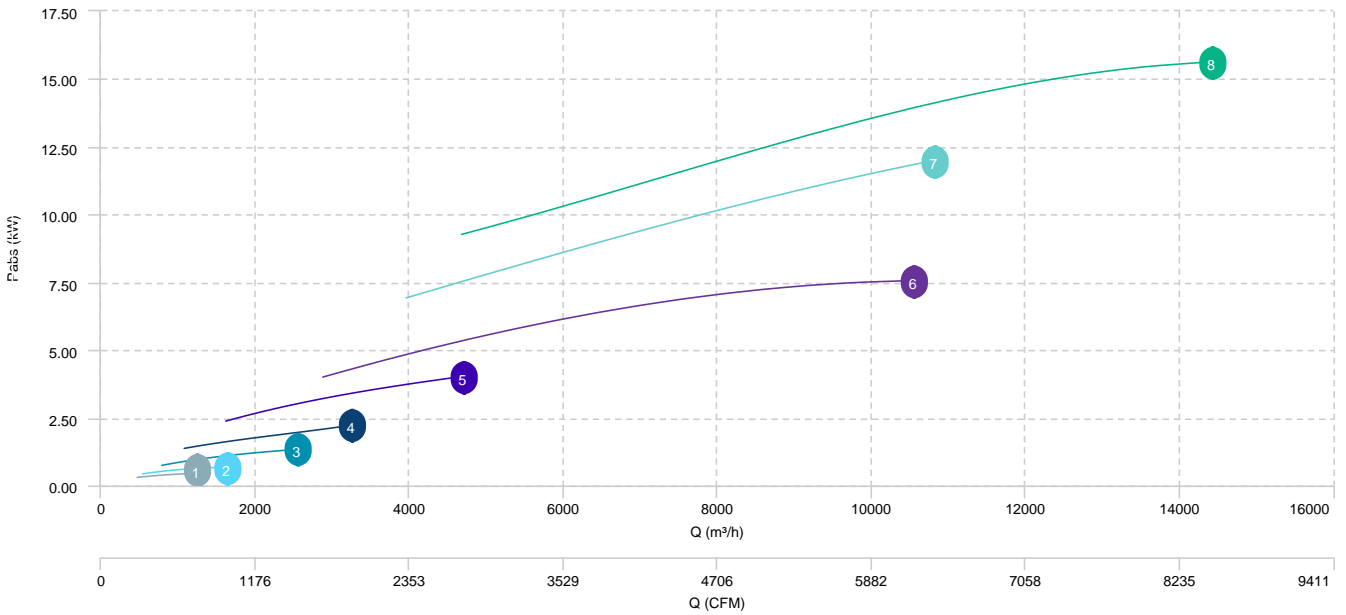
CHARACTERISTIC CURVE

1	MBRU 250 T2 0,37kW	2	MBRU 280 T2 0,55kW	3	MBRU 310 T2 1,1kW	4	MBRU 350 T2 2,2kW
5	MBRU 400 T2 4kW	6	MBRU 450 T2 7,5kW	7	MBRU 501 T2 11kW	8	MBRU 561 T2 15kW

AIR FLOW - PRESSURE

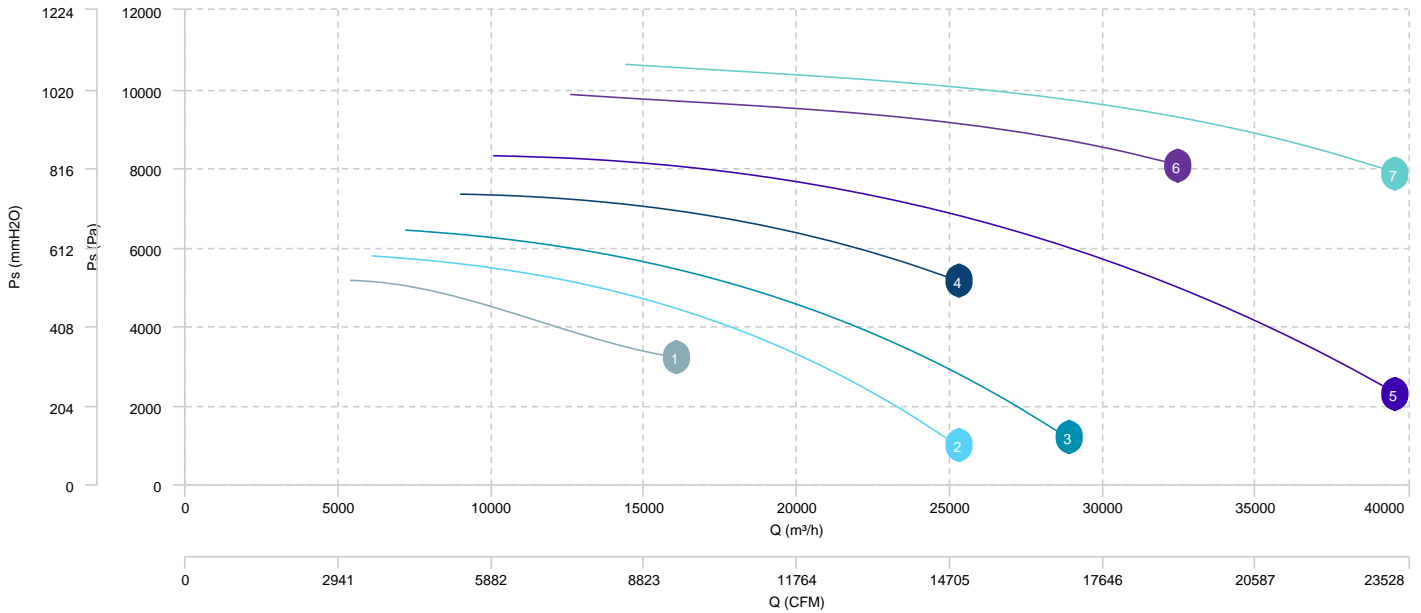


AIR FLOW - ABSORBED POWER

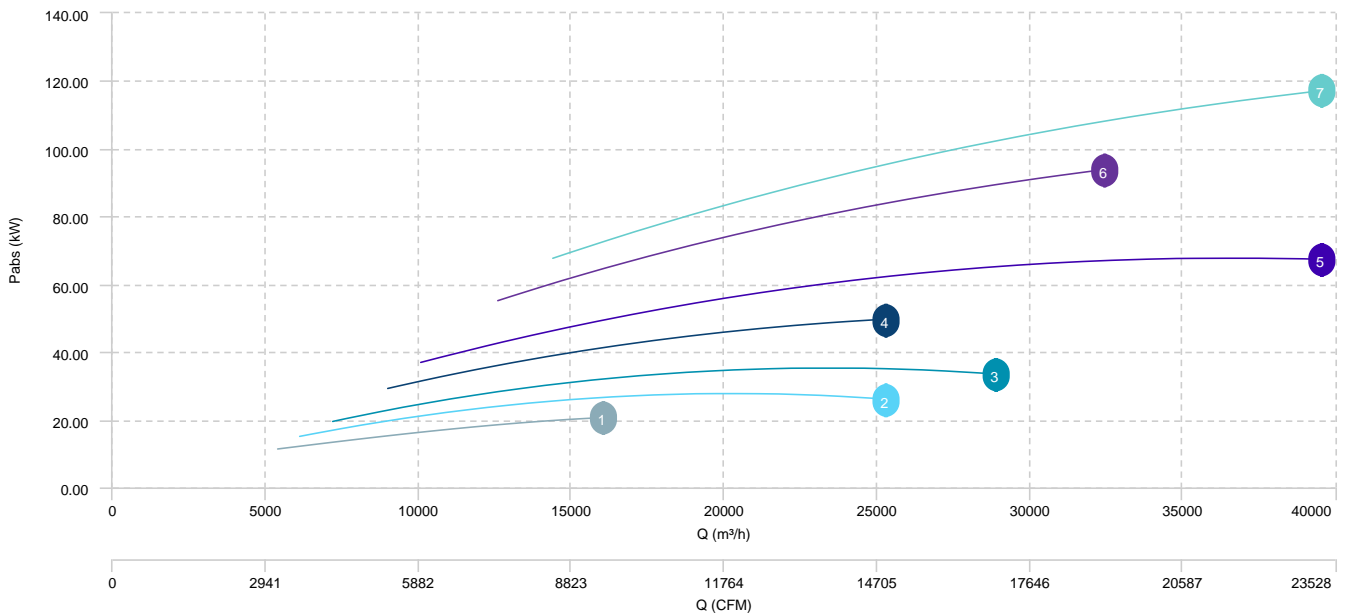


1	MBRU 562 T2 18,5kW	2	MBRU 631 T2 30kW	3	MBRU 632 T2 37kW	4	MBRU 711 T2 55kW
5	MBRU 712 T2 75kW	6	MBRU 801 T2 90kW	7	MBRU 802 T2 110kW		

AIR FLOW - PRESSURE

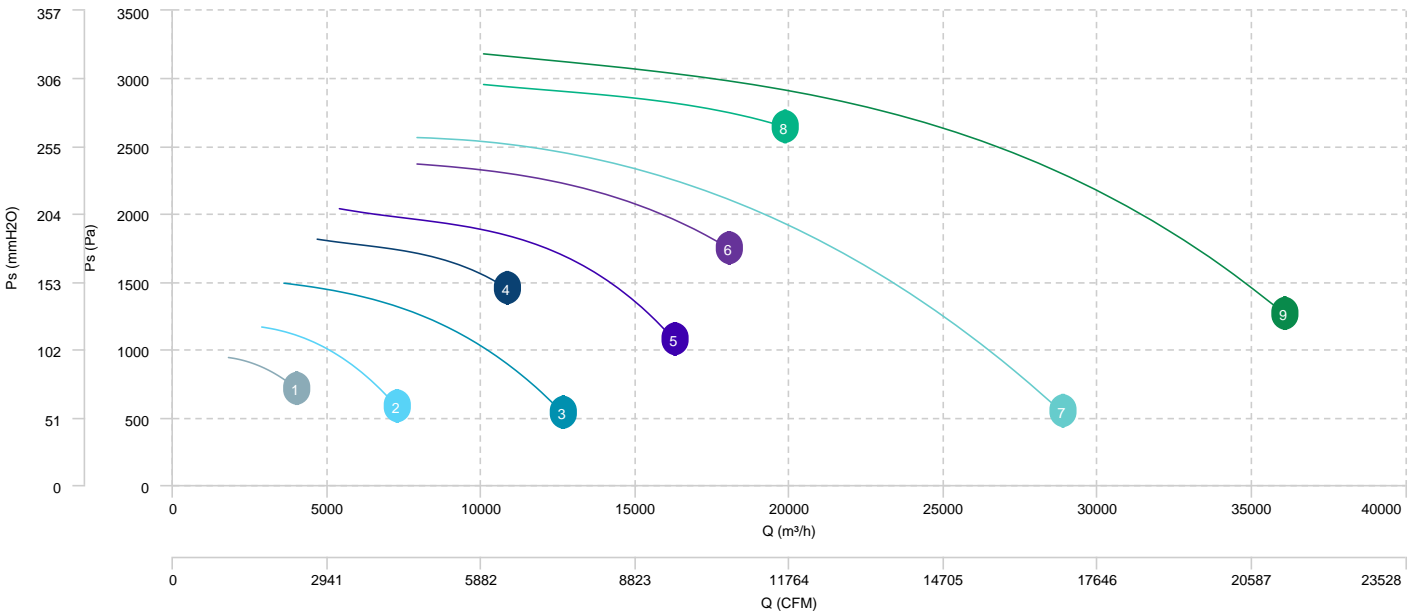


AIR FLOW - ABSORBED POWER

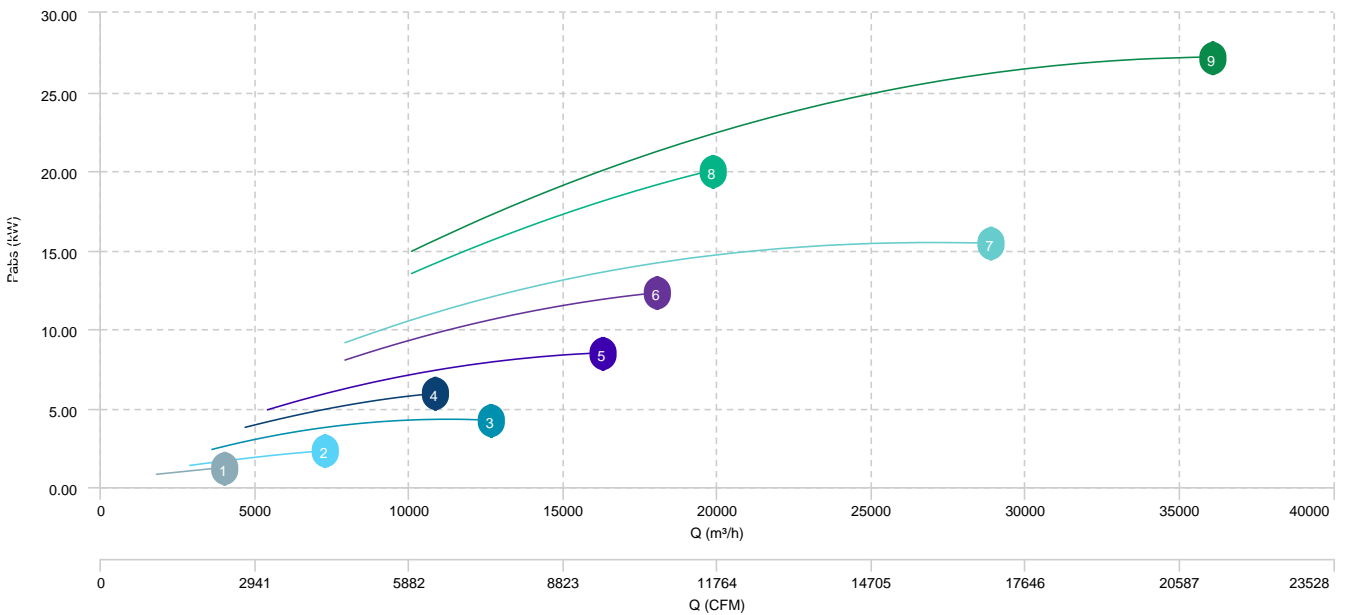


1	MBRU 502 T4 1,1kW	2	MBRU 563 T4 2,2kW	3	MBRU 633 T4 4kW	4	MBRU 713 T4 5,5kW
5	MBRU 714 T4 7,5kW	6	MBRU 803 T4 11kW	7	MBRU 804 T4 15kW	8	MBRU 901 T4 18,5kW
9	MBRU 902 T4 30kW						

AIR FLOW - PRESSURE

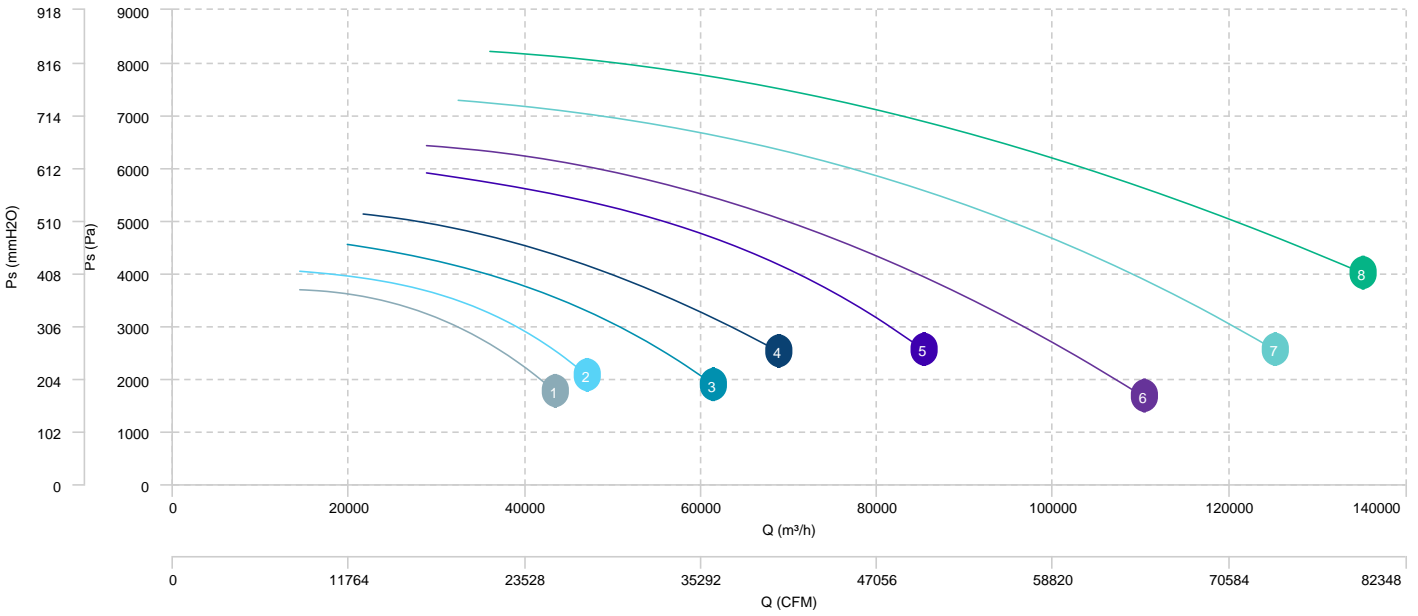


AIR FLOW - ABSORBED POWER

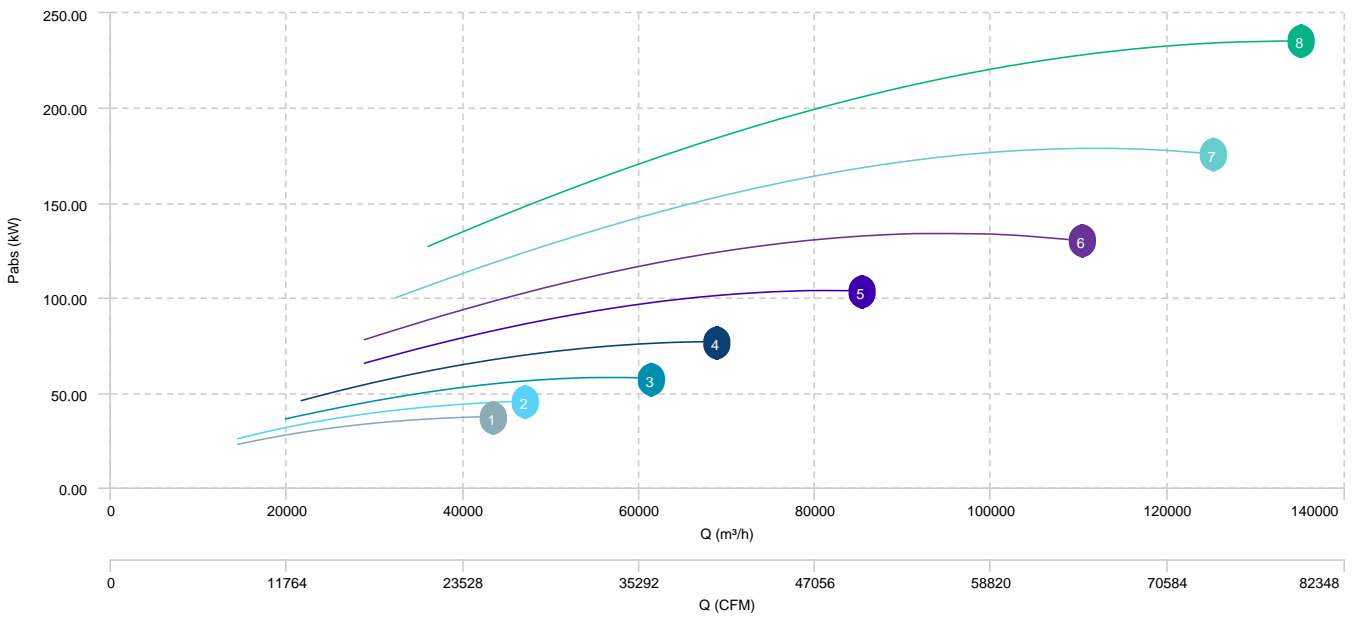


1	MBRU 1001 T4 37kW	2	MBRU 1002 T4 45kW	3	MBRU 1121 T4 55kW	4	MBRU 1122 T4 75kW
5	MBRU 1251 T4 110kW	6	MBRU 1252 T4 132kW	7	MBRU 1401 T4 200kW	8	MBRU 1402 T4 250kW

AIR FLOW - PRESSURE

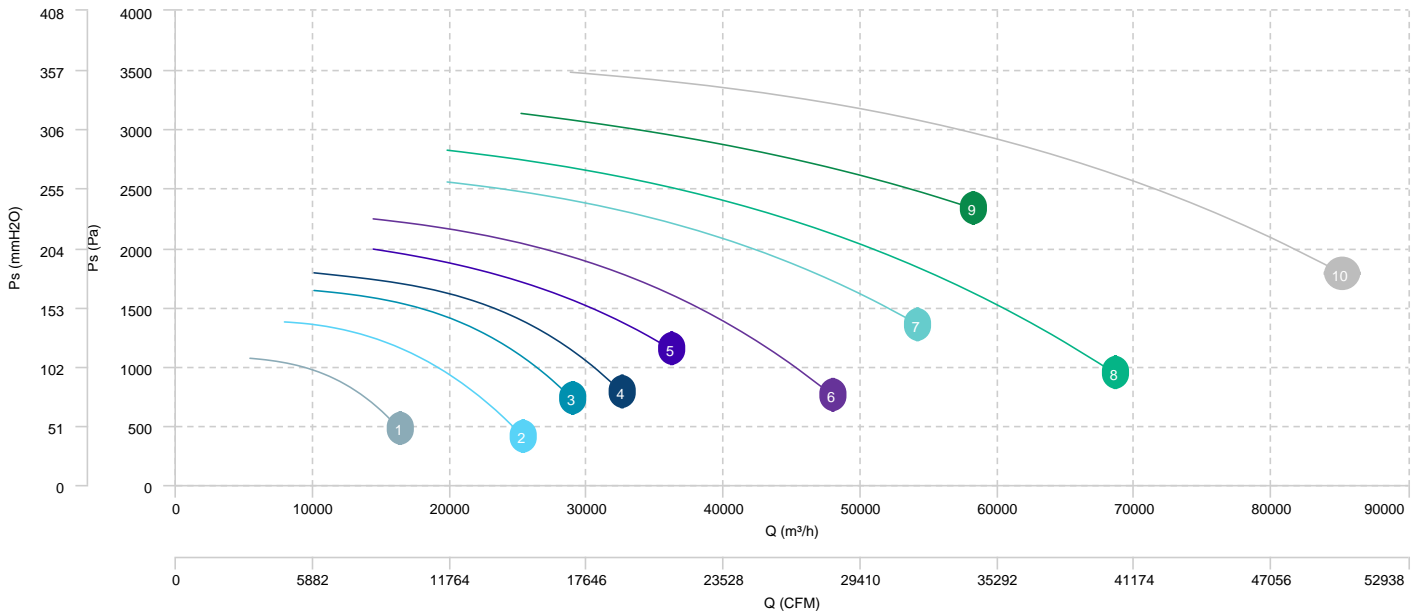


AIR FLOW - ABSORBED POWER

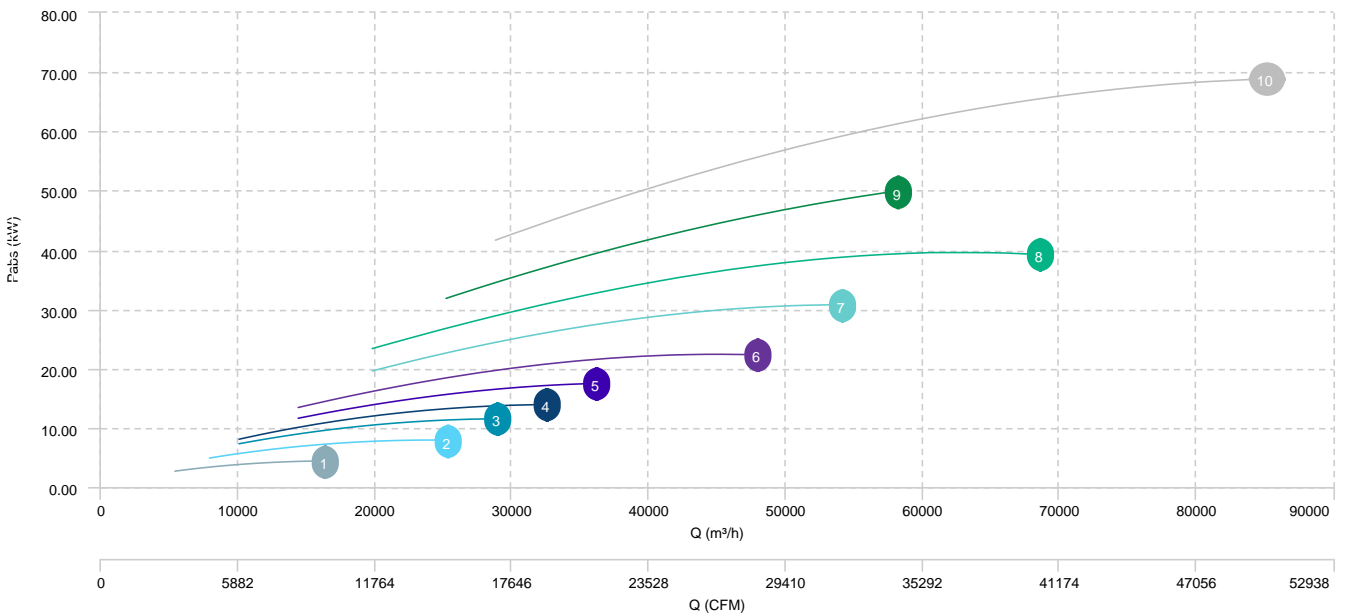


1	MBRU 805 T6 4kW	2	MBRU 903 T6 7,5kW	3	MBRU 1003 T6 11kW	4	MBRU 1004 T6 15kW
5	MBRU 1123 T6 18,5kW	6	MBRU 1124 T6 22kW	7	MBRU 1253 T6 30kW	8	MBRU 1254 T6 37kW
9	MBRU 1403 T6 45kW	10	MBRU 1404 T6 75kW				

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
MBRU 250 T2 0,37kW	Inlet	47	59	66	70	71	66	60	57	75
MBRU 280 T2 0,55kW	Inlet	49	61	67	71	72	68	61	58	76
MBRU 310 T2 1,1kW	Inlet	50	62	68	72	73	69	62	59	77
MBRU 350 T2 2,2kW	Inlet	53	65	71	75	76	71	65	62	80
MBRU 400 T2 4kW	Inlet	56	68	74	78	79	75	68	65	83
MBRU 450 T2 7,5kW	Inlet	61	73	79	83	84	80	73	70	88
MBRU 501 T2 11kW	Inlet	61	73	79	83	84	80	73	70	88
MBRU 561 T2 15kW	Inlet	64	76	82	86	87	82	76	73	91
MBRU 562 T2 18,5kW	Inlet	62	74	80	84	85	81	74	71	90
MBRU 631 T2 30kW	Inlet	69	81	88	92	93	88	81	78	97
MBRU 632 T2 37kW	Inlet	69	81	87	91	92	88	81	78	96
MBRU 711 T2 55kW	Inlet	69	81	88	92	93	88	82	79	97
MBRU 712 T2 75kW	Inlet	71	83	90	94	95	90	84	81	99
MBRU 801 T2 90kW	Inlet	70	82	88	92	93	89	82	79	97
MBRU 802 T2 110kW	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
MBRU 502 T4 1,1kW	Inlet	49	61	68	72	73	68	61	58	77
MBRU 563 T4 2,2kW	Inlet	51	63	70	74	75	70	64	61	79
MBRU 633 T4 4kW	Inlet	53	65	72	76	77	72	66	63	81
MBRU 713 T4 5,5kW	Inlet	54	66	72	76	77	73	66	63	81
MBRU 714 T4 7,5kW	Inlet	58	70	76	80	81	77	70	67	85
MBRU 803 T4 11kW	Inlet	56	68	74	78	79	75	68	65	84
MBRU 804 T4 15kW	Inlet	60	72	79	83	84	79	73	70	88
MBRU 901 T4 18,5kW	Inlet	57	69	75	79	80	75	69	66	84
MBRU 902 T4 30kW	Inlet	63	75	81	85	86	81	75	72	90
MBRU 1001 T4 37kW	Inlet	64	76	82	87	87	83	76	73	92
MBRU 1002 T4 45kW	Inlet	64	76	83	87	88	83	76	73	92
MBRU 1121 T4 55kW	Inlet	63	75	81	85	86	82	75	72	90
MBRU 1122 T4 75kW	Inlet	65	77	83	87	88	84	77	74	92
MBRU 1251 T4 110kW	Inlet	69	81	88	92	93	88	82	79	97

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
MBRU 1252 T4 132kW	Inlet	71	83	89	93	94	90	83	80	99
MBRU 1401 T4 200kW	Inlet	72	84	90	95	95	91	84	81	100
MBRU 1402 T4 250kW	Inlet	73	85	91	95	96	92	85	82	100

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
MBRU 805 T6 4kW	Inlet	52	64	71	75	76	71	65	62	80
MBRU 903 T6 7,5kW	Inlet	53	65	72	76	77	72	66	63	81
MBRU 1003 T6 11kW	Inlet	57	69	75	79	80	75	69	66	84
MBRU 1004 T6 15kW	Inlet	57	69	75	79	80	76	69	66	84
MBRU 1123 T6 18,5kW	Inlet	59	71	78	82	83	78	72	69	87
MBRU 1124 T6 22kW	Inlet	60	72	78	83	83	79	72	69	88
MBRU 1253 T6 30kW	Inlet	60	72	79	83	84	79	73	70	88
MBRU 1254 T6 37kW	Inlet	61	73	80	84	85	80	74	71	89
MBRU 1403 T6 45kW	Inlet	59	71	77	81	82	78	71	68	87
MBRU 1404 T6 75kW	Inlet	64	76	82	86	87	82	76	73	91

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
MBRU 250 T2 0,37kW	0,37	46,99	61,47	991,37	712,11	0,42	2800	1,00
MBRU 280 T2 0,55kW	0,55	51,52	64,01	1.343,05	893,78	0,65	2800	1,00
MBRU 310 T2 1,1kW	1,1	60,68	70,14	2.207,94	1.244,72	1,26	2800	1,00
MBRU 350 T2 2,2kW	2,2	64,80	71,98	2.869,35	1.688,69	2,07	2840	1,00
MBRU 400 T2 4kW	4	64,70	69,10	4.154,40	2.137,55	3,81	2880	1,00
MBRU 450 T2 7,5kW	7,5	72,50	75,20	4.985,51	2.899,83	5,54	2910	1,00
MBRU 501 T2 11kW	11	74,40	74,84	6.600,53	3.683,22	9,08	2940	1,00
MBRU 561 T2 15kW	15	76,95	76,79	8.358,03	4.060,85	12,27	2935	1,00
MBRU 562 T2 18,5kW	18,5	77,35	76,95	9.070,24	4.698,80	15,31	2940	1,00
MBRU 631 T2 30kW	30	76	75,04	14.577,43	4.774,09	25,63	2955	1,00
MBRU 632 T2 37kW	37	76,27	75,04	16.676,52	5.322,27	32,53	2955	1,00
MBRU 711 T2 55kW	55	77,08	75,47	20.109,67	6.339,44	45,94	2960	1,00
MBRU 712 T2 75kW	75	77,52	75,61	23.539,71	7.125,96	60,39	2975	1,00
MBRU 801 T2 90kW	90	78,15	75,79	30.084,14	8.515,98	90,98	2975	1,00
MBRU 802 T2 110kW	110	77,43	74,87	32.949,20	9.217,59	108,89	2980	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
MBRU 502 T4 1,1kW	1,1	68,55	78,78	3.087,19	848,29	1,06	1450	1,00
MBRU 563 T4 2,2kW	2,2	75,14	83,07	4.470,82	1.063,59	1,76	1435	1,00
MBRU 633 T4 4kW	4	71,18	75,43	8.005,38	1.255,77	3,94	1440	1,00
MBRU 713 T4 5,5kW	5,5	75,23	77,82	9.642,11	1.593,18	5,67	1460	1,00
MBRU 714 T4 7,5kW	7,5	75,97	77,18	11.777,22	1.775,99	7,67	1455	1,00
MBRU 803 T4 11kW	11	75,26	75,19	14.737,60	2.094,75	11,40	1455	1,00

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m ³ /h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
MBRU 804 T4 15kW	15	75,14	74,85	16.934,93	2.199,32	13,82	1465	1,00
MBRU 901 T4 18,5kW	18,5	72,75	72,05	19.800	2.648,21	20,03	1470	1,00
MBRU 902 T4 30kW	30	73,99	73,08	23.875,85	2.709,09	24,41	1475	1,00
MBRU 1001 T4 37kW	37	77,77	76,50	29.264,66	3.205,02	33,57	1470	1,00
MBRU 1002 T4 45kW	45	77,13	75,65	32.889,35	3.453,12	40,99	1475	1,00
MBRU 1121 T4 55kW	55	79,40	77,66	38.394,44	3.845,83	51,82	1475	1,00
MBRU 1122 T4 75kW	75	78,07	76,04	43.801,87	4.332,52	67,63	1485	1,00
MBRU 1251 T4 110kW	110	82,79	80,40	55.614	4.994,46	93,50	1490	1,00
MBRU 1252 T4 132kW	132	79,03	76,39	61.268,75	5.447,27	117,72	1490	1,00
MBRU 1401 T4 200kW	200	79,88	76,91	74.380,07	6.115,14	158,93	1490	1,00
MBRU 1402 T4 250kW	250	79,44	76,19	84.284,89	6.927,52	204,69	1490	1,00

ERP / 6 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m ³ /h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
MBRU 805 T6 4kW	4	71,82	76,06	10.955,73	927,81	3,94	960	1,00
MBRU 903 T6 7,5kW	7,5	73,06	74,64	15.539,72	1.193,37	7,07	965	1,00
MBRU 1003 T6 11kW	11	74,82	74,85	19.617,44	1.423,89	10,40	965	1,00
MBRU 1004 T6 15kW	15	75,45	75,27	22.118,38	1.537,83	12,57	970	1,00
MBRU 1123 T6 18,5kW	18,5	76,92	76,49	25.572,09	1.699,47	15,71	975	1,00
MBRU 1124 T6 22kW	22	78,74	78,05	29.396,53	1.906,54	19,85	975	1,00
MBRU 1253 T6 30kW	30	81,08	80,03	36.870,23	2.186,33	27,67	985	1,00
MBRU 1254 T6 37kW	37	77,70	76,40	40.664,52	2.378,84	34,72	985	1,00
MBRU 1403 T6 45kW	45	77,54	75,94	47.750,40	2.677,21	45,79	985	1,00
MBRU 1404 T6 75kW	75	78,54	76,62	57.475,81	2.990,68	60,94	990	1,00