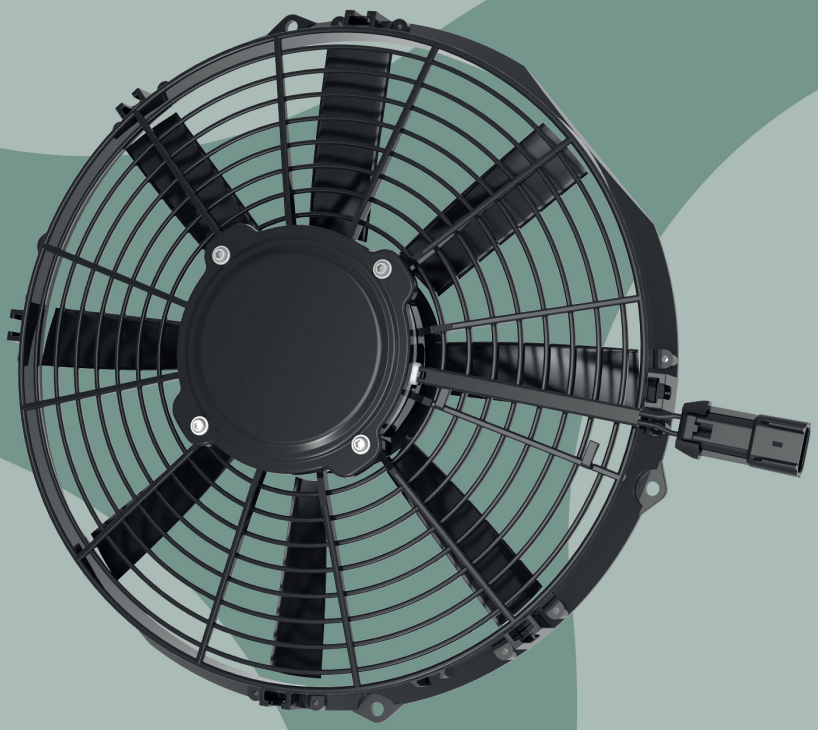
2018

SOVATEC



PRODUCT RANGES
PRODUKTREIHEN

WWW.SOVATEC.COM

Introduction



“WHERE QUALITY RULES, WE ARE NOT AFRAID OF ANY MARKET LEADER!”

SOVATEC Produktions GmbH designs and produces electric motors and axial fans according to European quality standards.

Whether you are planning a new ventilation concept, or looking for a replacement for existing hardware, our Multiple Airflow Direction system provides customized solutions to your needs, by combining ventilation and drive technology in a modular manner.

„WO QUALITÄT ENTSCHEIDET, HABEN WIR KEINEN MARKTFÜHRER ZU FÜRCHTEN“.

Die SOVATEC Produktions GmbH entwickelt und produziert Elektromotoren und Axialventilatoren nach europäischen Qualitätsstandards.

Unser langjährig entstandenes Baukastensystem mit Multi Airflow Direction verbindet Ventilations- und Antriebstechnik für Ihre individuellen Komplett- und Ersatzlösungen.

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Efficiency & quality



GUARANTEED

The product range is continuously being expanded according to our own research and development. Performance data of all model ranges is verified and recorded under realistic conditions instead of in idealized laboratory environments.

Applying a system of continuous product improvement, SOVATEC is dedicated to generating the best customer value in our Austrian production facility, where a high degree of automation and state of the art measurement and testing equipment ensures a highly competitive manufacturing process.

GARANTIERT

Das Produktspektrum wird nach eigenen Vorgaben entwickelt und realisiert. Die Leistungsdatenerfassung der einzelnen Baureihen erfolgt jeweils in einsatznaher Konfiguration und nicht unter optimierten Laborbedingungen.

SOVATEC arbeitet laufend an der Verbesserung der Produkte, damit der höchste Wert für Ihre Kunden geschaffen wird. Um unseren Produktionsstandort in Österreich wettbewerbsfähig auszurichten, arbeitet SOVATEC mit den neuesten Mess- und Prüfeinrichtungen.

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MBD applications



DESIGNED FOR MULTIPLE APPLICATIONS

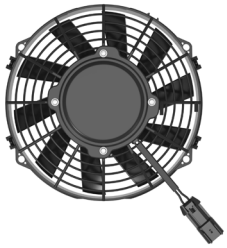
- Engine cooling
- Condenser cooling
- Auxiliary oil cooling
- Engine bay ventilation
- Off highway / trucks
- Defence
- Construction & municipal vehicles
- Electrics cooling

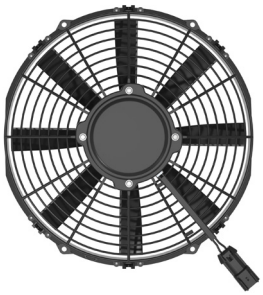
ENTWICKELT FÜR VIELE ANWENDUNGEN

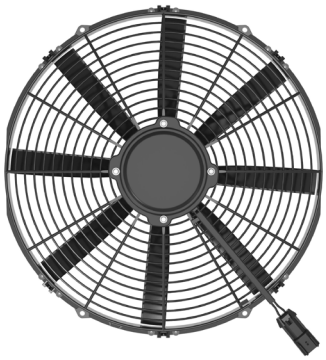
- Motorkühlung
- Kondensatorkühlung
- Unterstützende Ölkühlung
- Motorraum Ventilation
- Offroad / LKW
- Abwehrfahrzeuge
- Bau- & Kommunalfahrzeuge
- Kühlung von Elektronik

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MBD overview







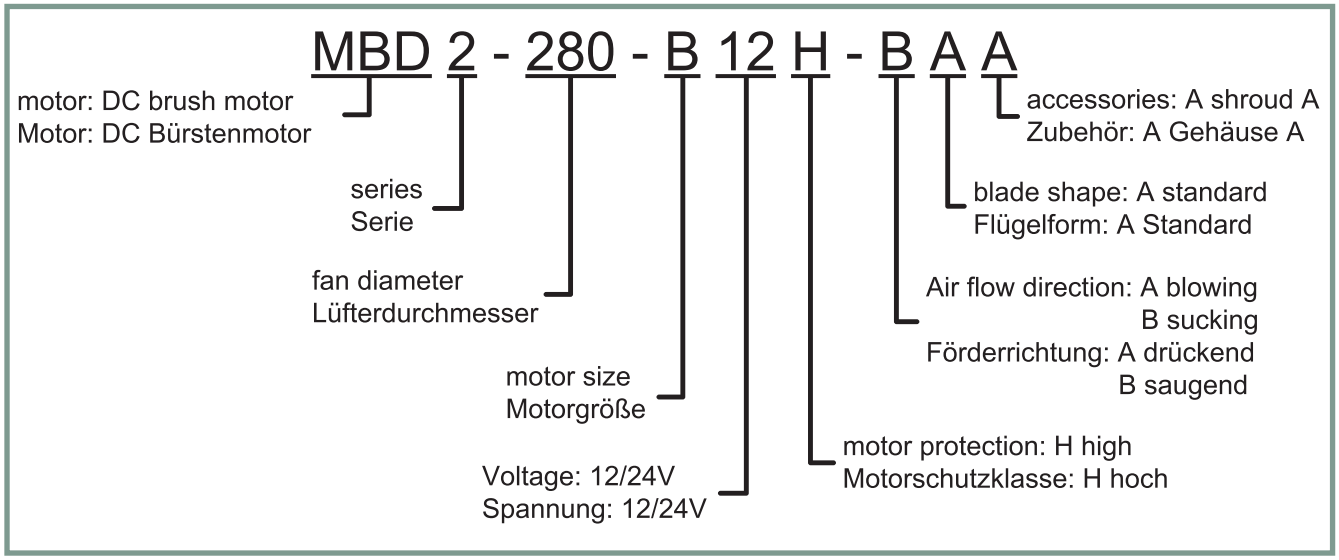
The MBD series consists of seven different diameters. In the range of 190mm to 385mm each fan offers best performance in both air directions: blowing and sucking.

Made of premium plastic materials the MBD series is suitable for every environment. With high efficiency and long life motors MBD creates new possibilities for each customer.

Die MBD Serie besteht aus sieben verschiedenen Durchmessern: Im Bereich von 190mm bis 385mm bietet jeder Ventilator die beste Leistung in beiden Luftrichtungen: saugend und drückend.

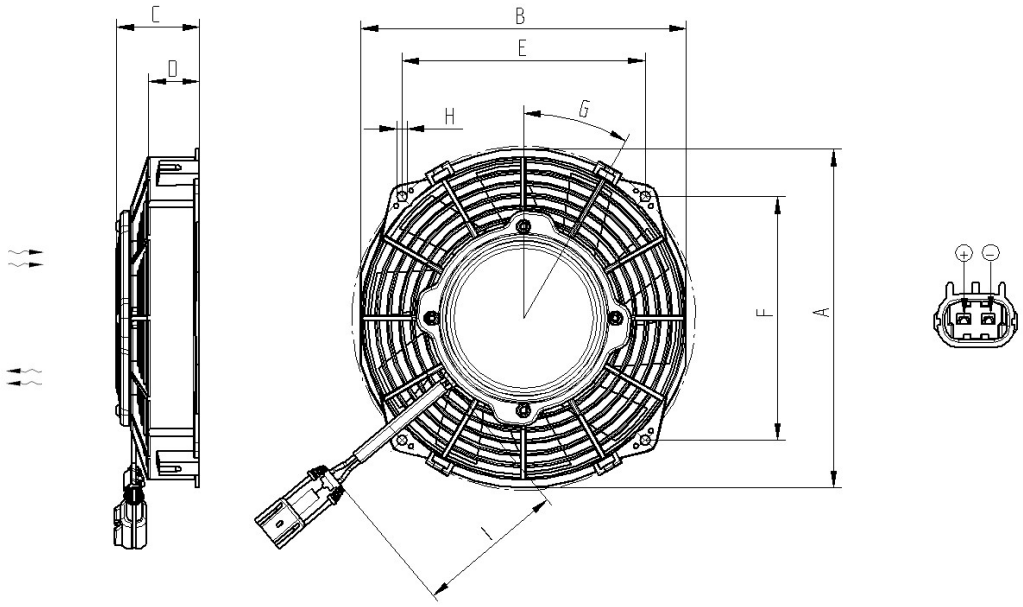
Die MBD Serie besteht aus hochwertigem Kunststoff und ist daher für sämtliche Umgebungen geeignet. Aufgrund von hoch effizienten und langlebigen Motoren schafft die MBD Serie Vorteile und neue Möglichkeiten für jeden Kunden.

ILLUSTRATION OF ARTICLE DESCRIPTION
DARSTELLUNG DER ARTIKELBESCHREIBUNG



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MBD series 12 V



DIMENSION CHART / MASSTABELLE

[mm]	A	B	C	D	E	F	G	H	I
MBD1-190-A12H-AAA / BAA	Ø210	202	52	32	151	151	30°	Ø6.5	400
MBD1-225-A12H-AAA / BAA	Ø247	238	52	28	139	206	23°	Ø8.5	400
MBD1-255-A12H-AAA / BAA	Ø284.5	269	52	28	142	247	45°	Ø6.5	400
MBD2-280-B12H-AAA / BAA	Ø310	294	64.5	28	155	269	30°	Ø6.5	400
MBD2-305-B12H-AAA / BAA	Ø336	321	64.5	28	168	291.5	45°	Ø6.5	400
MBD3-350-C12H-AAA / BAA	Ø383	367	74	28	191	331	45°	Ø6.5	400
MBD3-385-C12H-AAA / BAA	Ø414	400	74	28	206.5	385.5	45°	Ø6.5	400

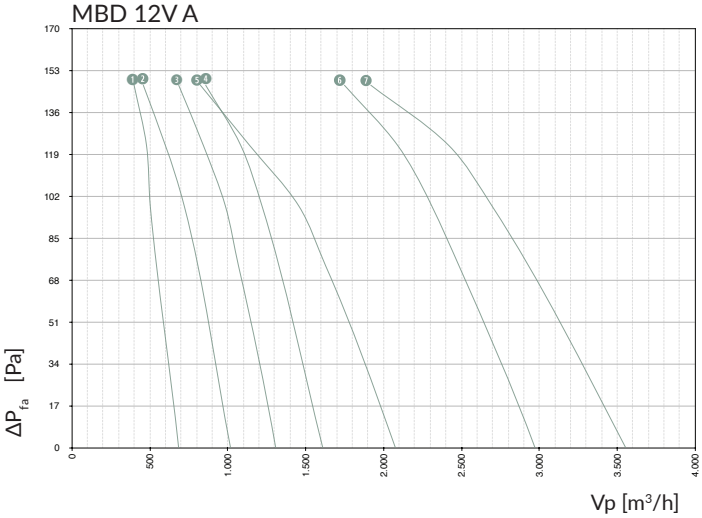
[inch]	A	B	C	D	E	F	G	H	I
MBD1-190-A12H-AAA / BAA	Ø8.28"	7.95	2.05	1.26	5.94	5.94	30°	Ø0.26	15.75
MBD1-225-A12H-AAA / BAA	Ø9.22"	9.37	2.05	1.10	5.47	8.11	23°	Ø0.33	15.75
MBD1-255-A12H-AAA / BAA	Ø11.20"	10.59	2.05	1.10	5.59	9.72	45°	Ø0.26	15.75
MBD2-280-B12H-AAA / BAA	Ø12.20"	11.57	2.54	1.10	6.10	10.59	30°	Ø0.26	15.75
MBD2-305-B12H-AAA / BAA	Ø13.23"	12.64	2.54	1.10	6.61	11.48	45°	Ø0.26	15.75
MBD3-350-C12H-AAA / BAA	Ø15.07"	14.45	2.91	1.10	7.52	13.03	45°	Ø0.26	15.75
MBD3-385-C12H-AAA / BAA	Ø16.30"	15.75	2.91	1.10	8.13	15.18	45°	Ø0.26	15.75

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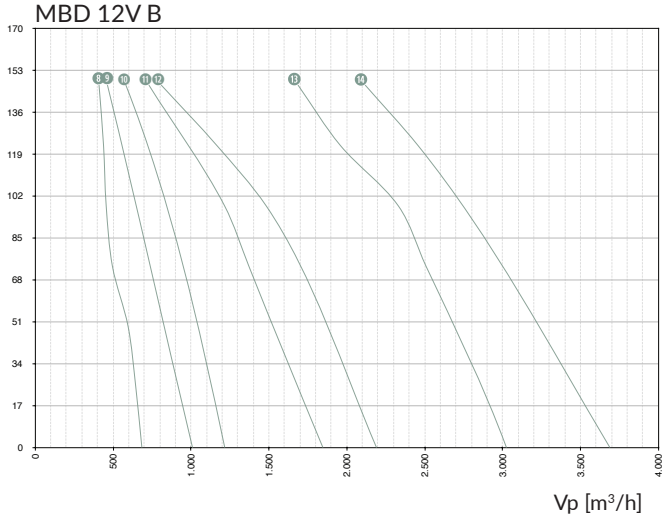
MBD series 12 V

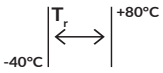
CHARACTERISTICS CHARTS / NENNDIAGRAMME

MBD 12V A



MBD 12V B





IP68

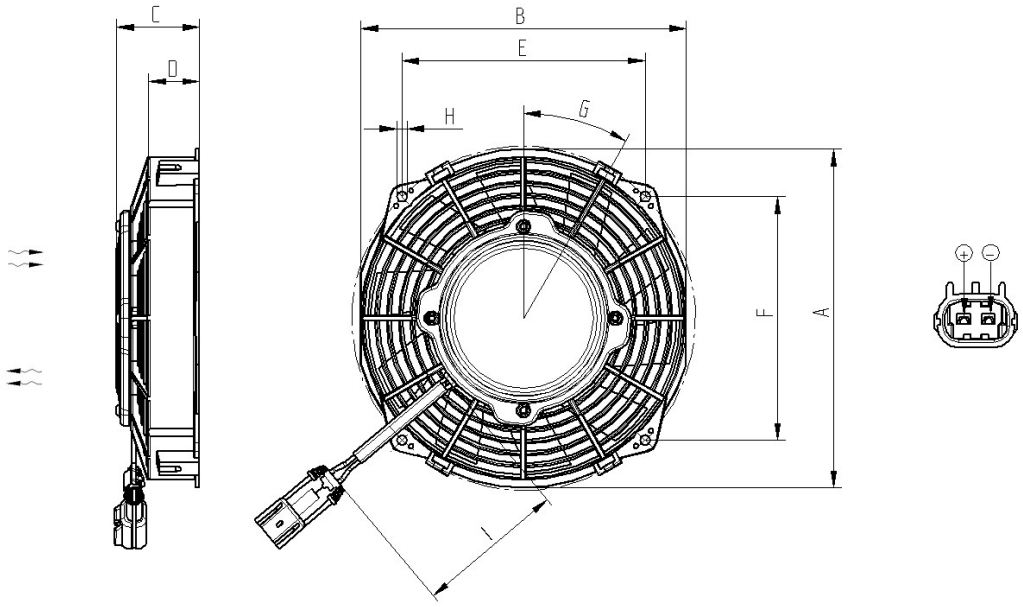
TECHNICAL DATA / TECHNISCHE DATEN

		P (W) / (hp)	I (A)	n (min⁻¹)	U (V)	dB (A)	kg / lbs	Tr (°C) / (°F)
MBD1-190-A12H-AAA	1	85 / 0.11	6.6	3865	12	76	1.17 / 2.58	-30+80 / -22+176
MBD1-225-A12H-AAA	2	83 / 0.11	6.4	3289	12	81	1.25 / 2.76	-30+80 / -22+176
MBD1-255-A12H-AAA	3	108 / 0.14	8.3	3154	12	76	1.29 / 2.84	-30+80 / -22+176
MBD2-280-B12H-AAA	4	121 / 0.16	9.3	3092	12	81	1.56 / 3.44	-30+80 / -22+176
MBD2-305-B12H-AAA	5	163 / 0.22	12.6	2710	12	78	1.60 / 3.53	-30+80 / -22+176
MBD3-350-C12H-AAA	6	242 / 0.32	18.6	2849	12	81	2.28 / 5.03	-30+80 / -22+176
MBD3-385-C12H-AAA	7	223 / 0.30	17.2	2644	12	95	2.37 / 5.22	-30+80 / -22+176

		P (W) / (hp)	I (A)	n (min⁻¹)	U (V)	dB (A)	kg / lbs	Tr (°C) / (°F)
MBD1-190-A12H-BAA	8	102 / 0.14	7.9	4074	12	76	1.17 / 2.58	-30+80 / -22+176
MBD1-225-A12H-BAA	9	96 / 0.13	7.4	3336	12	81	1.25 / 2.76	-30+80 / -22+176
MBD1-255-A12H-BAA	10	111 / 0.15	8.5	3136	12	76	1.29 / 2.84	-30+80 / -22+176
MBD2-280-B12H-BAA	11	142 / 0.19	10.9	2817	12	81	1.56 / 3.44	-30+80 / -22+176
MBD2-305-B12H-BAA	12	150 / 0.20	11.5	2659	12	78	1.60 / 3.53	-30+80 / -22+176
MBD3-350-C12H-BAA	13	239 / 0.32	18.3	2792	12	81	2.28 / 5.03	-30+80 / -22+176
MBD3-385-C12H-BAA	14	245 / 0.33	18.8	2655	12	95	2.37 / 5.22	-30+80 / -22+176

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MBD series 24 V



DIMENSION CHART / MASSTABELLE

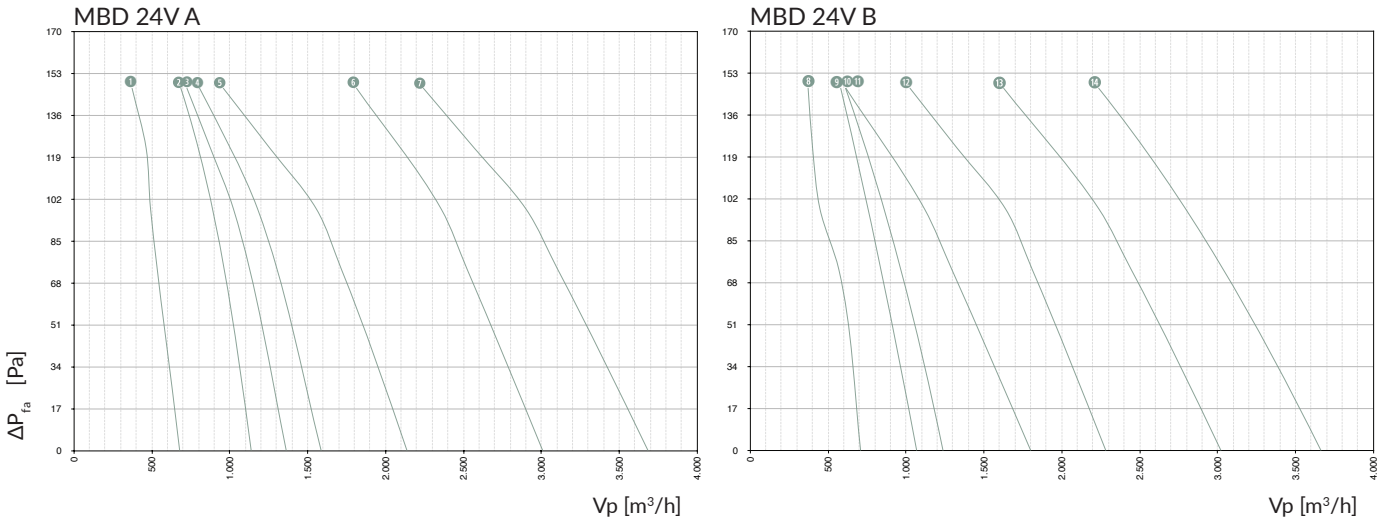
[mm]	A	B	C	D	E	F	G	H	I
MBD1-190-A24H-AAA / BAA	Ø210	202	52	32	151	151	30°	Ø6.5	400
MBD1-225-A24H-AAA / BAA	Ø247	238	52	28	139	206	23°	Ø8.5	400
MBD1-255-A24H-AAA / BAA	Ø284.5	269	52	28	142	247	45°	Ø6.5	400
MBD2-280-B24H-AAA / BAA	Ø310	294	64.5	28	155	269	30°	Ø6.5	400
MBD2-305-B24H-AAA / BAA	Ø336	321	64.5	28	168	291.5	45°	Ø6.5	400
MBD3-350-C24H-AAA / BAA	Ø383	367	74	28	191	331	45°	Ø6.5	400
MBD3-385-C24H-AAA / BAA	Ø414	400	74	28	206.5	385.5	45°	Ø6.5	400

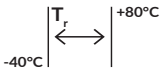
[inch]	A	B	C	D	E	F	G	H	I
MBD1-190-A24H-AAA / BAA	Ø8.28"	7.95	2.05	1.26	5.94	5.94	30°	Ø0.26	15.75
MBD1-225-A24H-AAA / BAA	Ø9.22"	9.37	2.05	1.10	5.47	8.11	23°	Ø0.33	15.75
MBD1-255-A24H-AAA / BAA	Ø11.20"	10.59	2.05	1.10	5.59	9.72	45°	Ø0.26	15.75
MBD2-280-B24H-AAA / BAA	Ø12.20"	11.57	2.54	1.10	6.10	10.59	30°	Ø0.26	15.75
MBD2-305-B24H-AAA / BAA	Ø13.23"	12.64	2.54	1.10	6.61	11.48	45°	Ø0.26	15.75
MBD3-350-C24H-AAA / BAA	Ø15.07"	14.45	2.91	1.10	7.52	13.03	45°	Ø0.26	15.75
MBD3-385-C24H-AAA / BAA	Ø16.30"	15.75	2.91	1.10	8.13	15.18	45°	Ø0.26	15.75

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MBD series 24 V

CHARACTERISTICS CHARTS / NENNDIAGRAMME





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TECHNICAL DATA / TECHNISCHE DATEN

		P (W) / (hp)	I (A)	n (min⁻¹)	U (V)	dB (A)	kg / lbs	Tr (°C) / (°F)
MBD1-190-A24H-AAA	1	78 / 0.10	3.0	3720	24	76	1.17 / 2.58	-30+80 / -22+176
MBD1-225-A24H-AAA	2	107 / 0.14	4.1	3485	24	81	1.25 / 2.76	-30+80 / -22+176
MBD1-255-A24H-AAA	3	118 / 0.16	4.5	3242	24	76	1.29 / 2.84	-30+80 / -22+176
MBD2-280-B24H-AAA	4	117 / 0.16	4.5	3075	24	81	1.56 / 3.44	-30+80 / -22+176
MBD2-305-B24H-AAA	5	172 / 0.23	6.6	2782	24	78	1.60 / 3.53	-30+80 / -22+176
MBD3-350-C24H-AAA	6	231 / 0.43	8.9	2874	24	81	2.28 / 5.03	-30+80 / -22+176
MBD3-385-C24H-AAA	7	252 / 0.34	9.7	2737	24	95	2.37 / 5.22	-30+80 / -22+176

		P (W) / (hp)	I (A)	n (min⁻¹)	U (V)	dB (A)	kg / lbs	Tr (°C) / (°F)
MBD1-190-A24H-BAA	8	89 / 0.12	3.4	3731	24	76	1.17 / 2.58	-30+80 / -22+176
MBD1-225-A24H-BAA	9	110 / 0.15	4.2	3512	24	81	1.25 / 2.76	-30+80 / -22+176
MBD1-255-A24H-BAA	10	119 / 0.16	4.6	3178	24	76	1.29 / 2.84	-30+80 / -22+176
MBD2-280-B24H-BAA	11	128 / 0.17	4.9	2750	24	81	1.56 / 3.44	-30+80 / -22+176
MBD2-305-B24H-BAA	12	177 / 0.24	6.8	2761	24	78	1.60 / 3.53	-30+80 / -22+176
MBD3-350-C24H-BAA	13	231 / 0.31	8.9	2772	24	81	2.28 / 5.03	-30+80 / -22+176
MBD3-385-C24H-BAA	14	248 / 0.33	9.5	2691	24	95	2.37 / 5.22	-30+80 / -22+176

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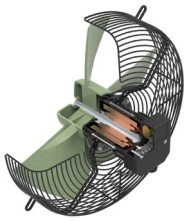
SOVATEC series overview

"WE DELIVER DIFFERENCES!"

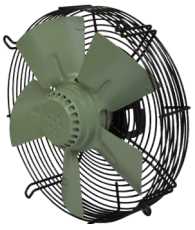
The SOVATEC product ranges provide cost efficient, adaptable systems with high protection classes and fulfill national and international requirements
(ErP, CE, UL, ...).

"WIR LIEFERN VORTEILE"

Die SOVATEC Produktreihen bieten kostengünstige Effizienz, anpassungsfähige Systeme, hohe Schutzklasse und entsprechen nationalen und internationalen Richtlinien
(ErP, CE, UL, ...).







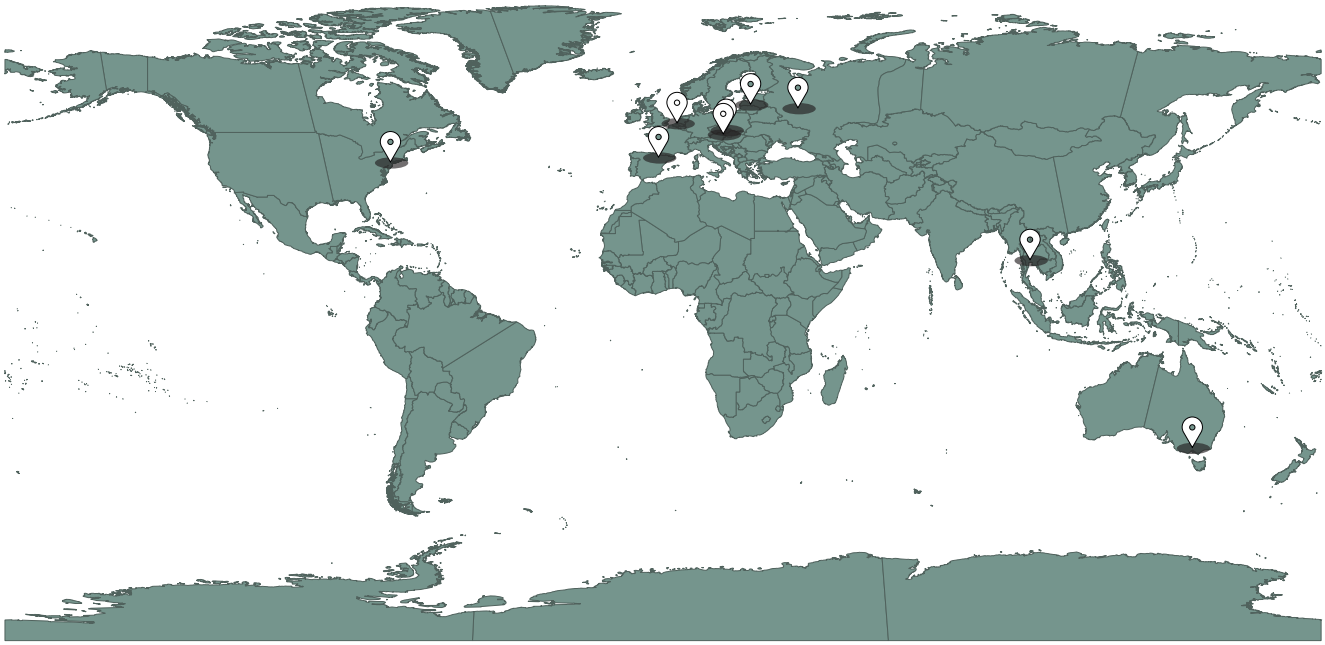
	technical data	motor type	benefits	size
MAD	single phase 230 V 50/60 Hz three phase 400 V 50/60 Hz	AC internal rotor	adjustable wing angle supreme IP class up to 66 flexible mounting modular system	from 250 mm to 1000 mm
MBD	12 V and 24 V	DC internal rotor	best price performance ratio individual performance regulation compact integration	from 190 mm to 385 mm
MED	single phase 230 V 50/60 Hz three phase 400 V 50/60 Hz	AC external rotor	best price performance ratio premium steel blades compact integration	from 250 mm to 1000 mm

- High efficiency
- Flexible air flow direction (blowing / sucking)
- High protection classes (-IP66)
- Low noise levels
- High durability
- Special materials resistant to corrosion

- Hohe Effizienz
- Flexible Luftrichtungen
- (saugend / drückend)
- Hohe Schutzarten (-IP66)
- Geringe Geräuschentwicklung
- Lange Lebenszeit
- Spezielle korrosionsbeständige Materialen

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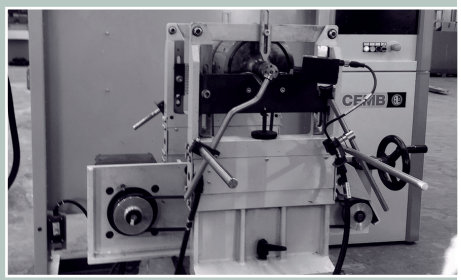
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