

STARKE ANTRIEBSTECHNIK
POWERFUL DRIVE TECHNOLOGY

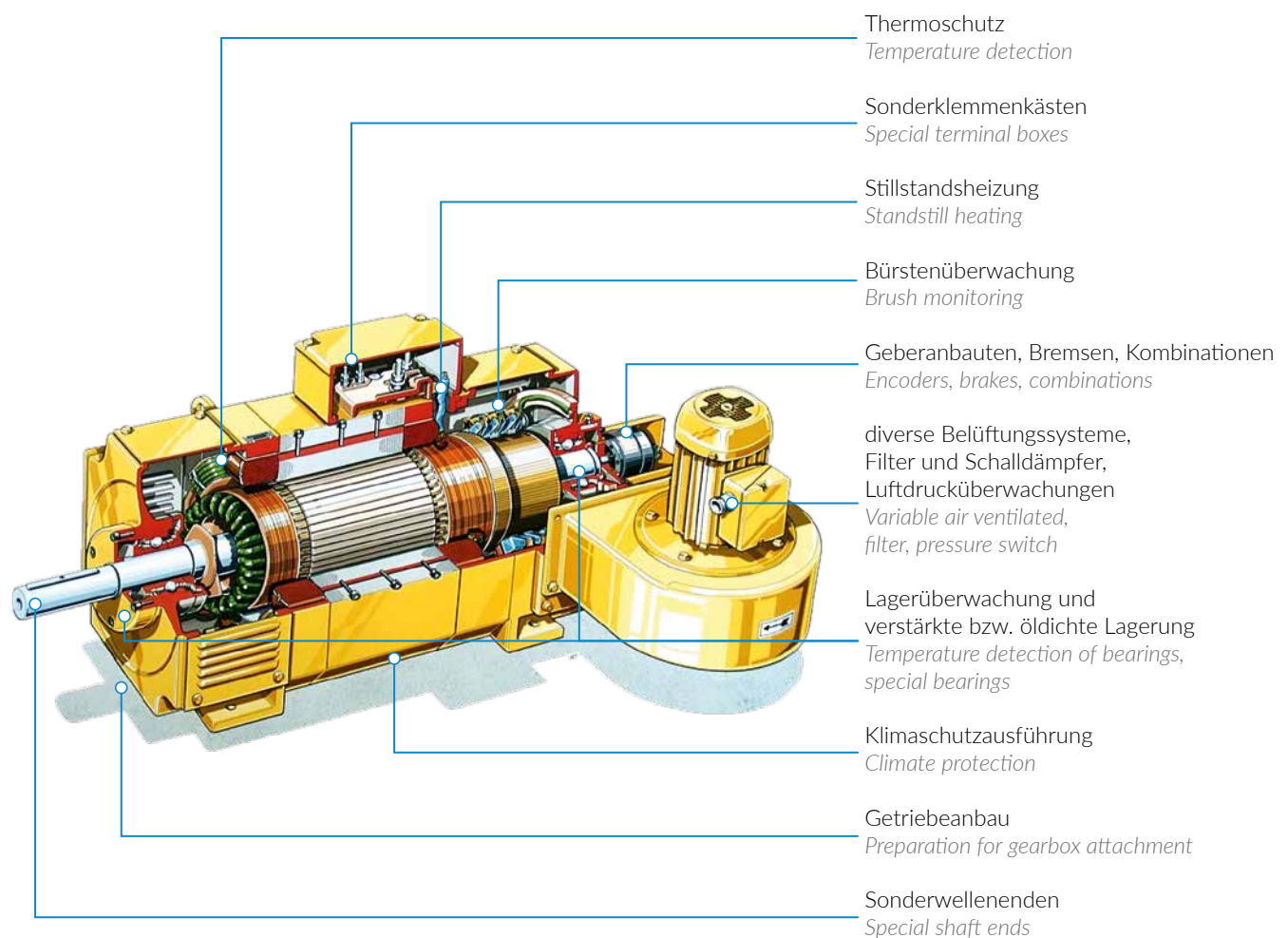
Gleichstrommotoren – *Direct current motors*

GLEICHSTROMMOTOREN – *Direct current motors*

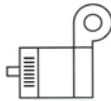
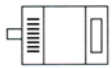
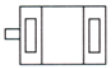
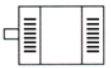


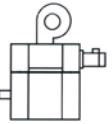
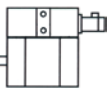
Reihe D/E – *Serie D/E*

- vollgeblechte Gleichstrommotoren für Stromrichterbetrieb
- Reihe D/E – Achshöhenbereich 132 ... 280 mm
- große Stellbereiche im Anker- und im Feldstellbereich bei hoher Regelgenauigkeit
- hohe Dynamik durch niedrige elektromechanische Zeitkonstanten
- Sonderausführungen in Kühlsystemen, Anbauvarianten und mechanischen Ausführungen
- *Fully laminated dc machines are designed for use with converters*
- *Series D/E – shaft heights 132 ... 280 mm*
- *Wide armature and field setting ranges with a high degree of regulating accuracy*
- *High dynamic properties*
- *Special applications*

Modifikationen – *Modifications*



BEMESSUNGSDATEN – Rated data

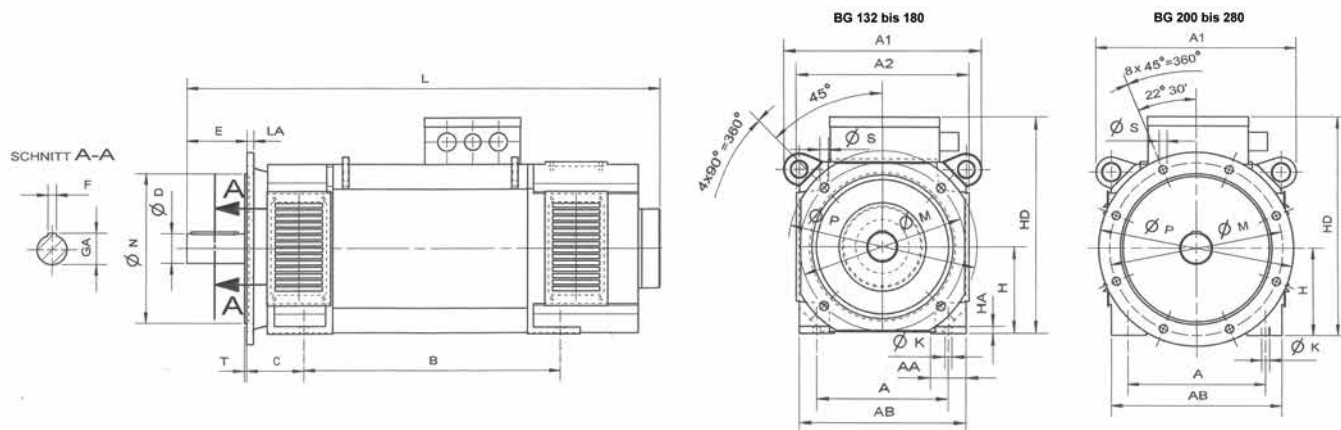
Typ Type	MFD/MFE Fremdinnenkühlung External internal cooling			MBD Eigeninnen- kühlung self-internal cooling	MGD Eigenkühlung self-cooling	MOD Fremdkühlung forced cooling	MKD/MKE Luft-Luft- Wärmetauscher Air/air heat exchanger	MWD/MWE Luft-Wasser- Wärmetauscher Air/water heat exchanger
								
Schutzart Degree of protection	IP 23	IP 23	IP 54	IP 23	IP 54	IP 54	IP 54	IP 54
Kühlart Method of cooling	IC 06	IC17	IC37	IC 01	IC 411	IC 416	IC 666	IC 86W

Leistung [kW] bei 1500 U/min – D132.1 bis E280.3 Power [kW] at 1500 rpm – D132.1 to E280.3						
Typ – Type	MF_	MB_	MG_	MO_	MK_	MW_
D 132.1	11,0	6,3	2,8	4,3		
D 132.2	15,0	8,1	3,6			
D 132.3	18,5	9,7	4,3	7,3		
D 132.4	22,0	11,0	4,8			
E 132.5	30,0	14,0	5,7			
D 160.1	22,0	11,5	5,5	8,1	17,0	
D 160.2	30,0	15,0	6,9		23,0	
D 160.3	37,0	18,0	7,4	13,5	29,0	
D 160.4	45,0	20,0	8,6		34,0	
E 160.5	55,0	22,0	9,5		41,0	
E 160.6	63,0	24,0	10,0		47,0	
D 180.1	45,0		12,5		31,0	45,0
D 180.2	55,0		14,5		37,5	55,0
D 180.3	63,0		15,5		43,0	63,0
D 180.4	75,0		17,0		52,0	75,0
E 180.5	90,0		18,0		61,0	90,0
E 180.6	110,0		19,5		74,0	110,0
D 200.1	90,0		20,0		57,0	90,0
D 200.2	110,0		22,5		71,0	110,0
D 200.3	132,0		25,0		85,0	132,0
E 200.4	170,0		27,0		107,0	170,0
D 250.1	160,0		26,0		95,0	160,0
D 250.2	200,0		32,0		117,0	200,0
D 250.3	250,0		40,0		148,0	250,0
D 250.4	300,0		45,0		174,0	300,0
E 250.5	350,0		50,0		203,0	350,0
E 280.1	365,0				212,0	365,0
E 280.2	440,0				255,0	440,0
E 280.3	525,0				304,0	525,0

Technische Änderungen vorbehalten. – We reserve the right to technical changes without notice.

- Betriebsart S1
- Kühllufttemperatur ≤ 40 °C
- Kühlwassertemperatur ≤ 25 °C
- Duty type S1
- Cooling air temperature ≤ 40 °C
- Cooling water temperature ≤ 25 °C

HAUPTABMESSUNGEN – Main dimensions



Typ - Type	A	AB	A1	B	C	H	HD	HA	K	L	D	E	LA	M	P	N	S	T
D 132.1	216	258	305	335	89	132	355	11	12	660	42k6	110	13	300	350	250j6	18,5	5
D 132.2				385						710	42k6							
D 132.3				430						755	42k6							
D 132.4				470						795	42k6							
E 132.5				550						875	48k6							
D 160.1	254	318	370	380	108	160	410	12	15	760	55m6	110	15	350	400	300h6	18,5	5
D 160.2				435						815	55m6							
D 160.3				485						865	55m6							
D 160.4				540						920	55m6							
E 160.5				570						1012	60m6							
E 160.6	620	1062	60m6															
D 180.1	279	354	420	490	121	180	466	14	14,5	972	60m6	140	15	350	400	300h6	18,5	5
D 180.1L				490						1032	60m6							
D 180.2				535						1017	60m6							
D 180.2L				535						1077	60m6							
D 180.3				570						1052	60m6							
D 180.3L				570						1112	60m6							
D 180.4				625						1107	60m6							
D 180.4L				625						1167	60m6							
E 180.5				665						1147	65m6							
E 180.5L				665						1207	65m6							
E 180.6				735						1217	65m6							
E 180.6L	795	1277	65m6															
D 200.1	318	394	464	600	133	200	530	18	18,5	1123	65m6	140	16	400	450	350h6	18,5	5
D 200.1L				660						1183	65m6							
D 200.2				665						1188	65m6							
D 200.2L				725						1248	65m6							
D 200.3				735						1258	65m6							
D 200.3L				795						1318	65m6							
E 200.4				805						1328	70m6							
E 200.4L	865	1388	70m6															
D 250.1	406	494	526	595	168	250	630	22	24	1208	80m6	170	18	500	550	450h6	18,5	5
D 250.1L				671						1284	80m6							
D 250.2				655						1268	80m6							
D 250.2L				731						1344	80m6							
D 250.3				730						1363	80m6							
D 250.3L				806						1419	80m6							
D 250.4				800						1413	80m6							
D 250.4L				876						1489	80m6							
E 250.5				890						1503	90m6							
E 250.5L				966						1579	90m6							
E 280.1	457	555	660	680	190	280	735	22	24	1350	95m6	170	22	600	660	550h6	24	6
E 280.2				760						1430	95m6							
E 280.3				850						1520	95m6							

ANWENDUNGEN – Applications

Maschinen- und Anlagenbau – *Engineering and plant construction*



Energie und Umwelt – *Energy and environmental engineering*



Prüfstandsba – *Test bench*



Verkehrstechnik – *Traffic engineering*



Kranbau – *Crane system*



Bergbau – *Mining industry*



Kontakt Vertrieb – *Contact sales*

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Schiffbau – *Shipbuilding*



PRODUKTPORTFOLIO – *Product portfolio*

Wir bieten Ihnen ein umfangreiches Motorenprogramm für viele Industriezweige – *We provide you with a wide-range of motors for different industries:*

Drehstrom-Asynchronmotoren
Three phase asynchronous motors



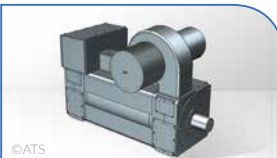
Gleichstrommotoren
Direct current motors



Sondermotoren
Special motors



Synchronmotoren
Synchronous motors



Maschinensätze
Machine sets



Reparatur/Ersatzteile/Service
Repairs/Spare parts/Service



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