ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Dunkermotoren GR 80x80* at our website: ***Click HERE***

GR 80x80 | cont. 221 W, peak 851 W



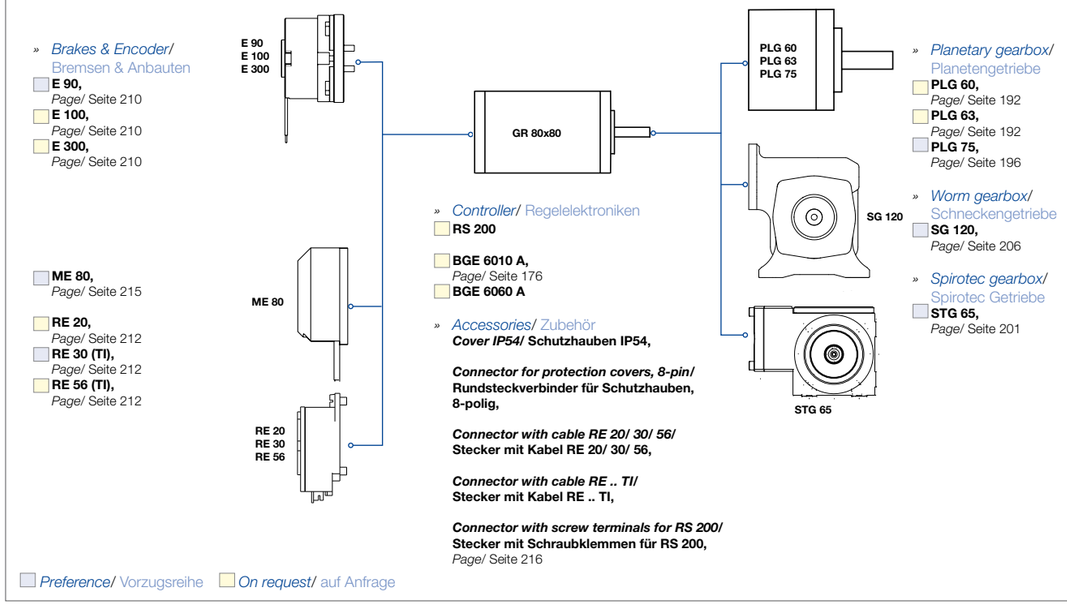
- *Operation in both directions of rotation*
- *Ball bearing at motor output shaft is standard*
- *Optionally with custom shaft length and diameter, shaft on both sides, special and high voltage winding, higher protection class up to IP 67*

- Drehrichtung Rechts-/ Linkslauf
- Motorwelle abtriebsseitig kugelgelagert ist Standard
- Optional abweichende Wellenlängen und -durchmesser, beidseitige Welle, Sonder- und Hochspannungswicklungen, höhere Schutzart bis IP 67

Data/ Technische Daten		GR 80x80		
Nominal voltage/ Nennspannung	VDC	24	40	60
Nominal current/ Nennstrom	A*)	10	6	4.2
Nominal torque/ Nennmoment	Ncm*)	62	62	63
Nominal speed/ Nenndrehzahl	rpm*)	3200	3100	3350
Friction torque/ Reibungsmoment	Ncm*)	5.5	5.5	5.5
Stall torque/ Anhaltemoment	Ncm**)	745	885	1048
No load speed/ Leerlaufdrehzahl	rpm*)	3200	3000	3100
Nominal output power/ Dauerabgabeleistung	W*)	214	201	221
Maximum output power/ Maximale Abgabeleistung	W	655	703	851
Torque constant/ Drehmomentkonstante	Ncm A^{-1}***)	6.7	12	17.3
Terminal Resistance/ Anschlusswiderstand	Ω	0.21	0.54	1
Terminal inductance/ Anschlussinduktivität	mH	1.5	3.78	6.9
Starting current/ Anlaufstrom	A**)	112	73.6	60.5
No load current/ Leerlaufstrom	A**)	0.65	0.37	0.27
Demagnetisation current/ Entmagnetisierungsstrom	A**)	91	51	36
Rotor inertia/ Rotor Trägheitsmoment	gcm^2	3200	3200	3200
Weight of motor/ Motorgewicht	kg	4	4	4

*) $\Delta\vartheta_w$ = 100 K; **) ϑ_R = 20°C ***) *at nominal point*/ im Nennpunkt

Modular System/ Modulares Baukastensystem



» *Brakes & Encoder*/ Bremsen & Anbauten
- **E 90,** *Page*/ Seite 210
- **E 100,** *Page*/ Seite 210
- **E 300,** *Page*/ Seite 210
- **ME 80,** *Page*/ Seite 215
- **RE 20,** *Page*/ Seite 212
- **RE 30 (TI),** *Page*/ Seite 212
- **RE 56 (TI),** *Page*/ Seite 212

» *Controller*/ Regelelektroniken
- **RS 200**
- **BGE 6010 A,** *Page*/ Seite 176
- **BGE 6060 A**

» *Accessories*/ Zubehör
- ***Cover IP54*/ Schutzhauben IP54,**
- ***Connector for protection covers, 8-pin*/ Rundsteckverbinder für Schutzhauben, 8-polig,**
- ***Connector with cable RE 20/ 30/ 56*/ Stecker mit Kabel RE 20/ 30/ 56,**
- ***Connector with cable RE .. TI*/ Stecker mit Kabel RE .. TI,**
- ***Connector with screw terminals for RS 200*/ Stecker mit Schraubklemmen für RS 200,** *Page*/ Seite 216

» *Planetary gearbox*/ Planetengetriebe
- **PLG 60,** *Page*/ Seite 192
- **PLG 63,** *Page*/ Seite 192
- **PLG 75,** *Page*/ Seite 196

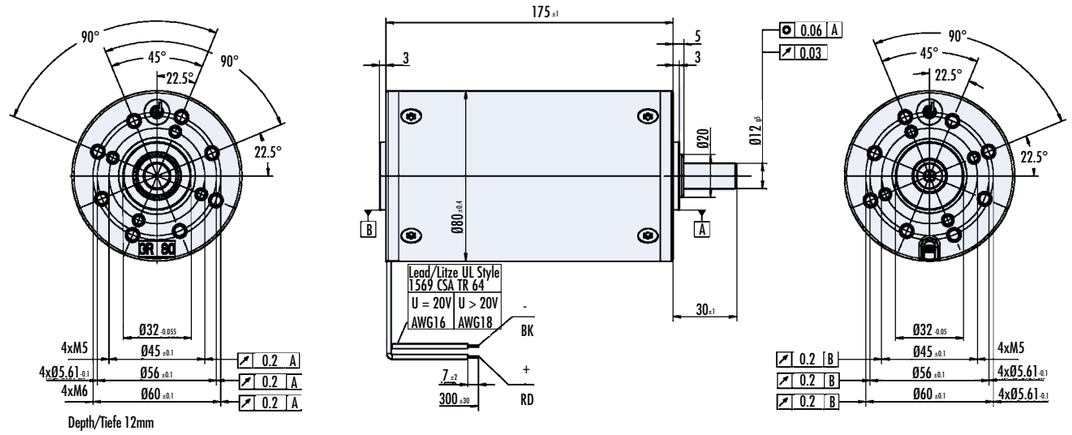
» *Worm gearbox*/ Schneckengetriebe
- **SG 120,** *Page*/ Seite 206

» *Spirotec gearbox*/ Spirotec Getriebe
- **STG 65,** *Page*/ Seite 201

Preference/ Vorzugsreihe *On request*/ auf Anfrage

GR 80x80 | cont. 221 W, peak 851 W

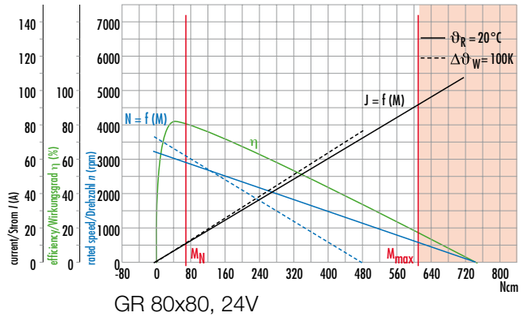
Dimensions in mm/ Maßzeichnung in mm



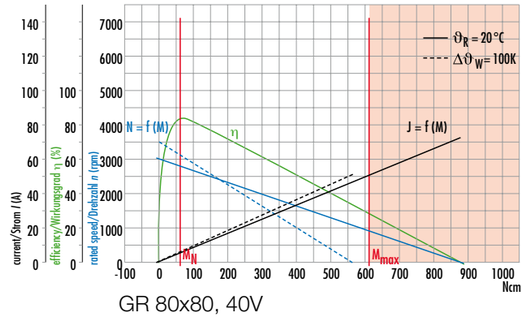
F_{axial} = max. 180N
F_{radial} = max. 200N

Shaft/ Welle	
front/ vorne	*back*/ hinten
12 x 30 mm	-
12 x 30 mm	8 x 55 mm

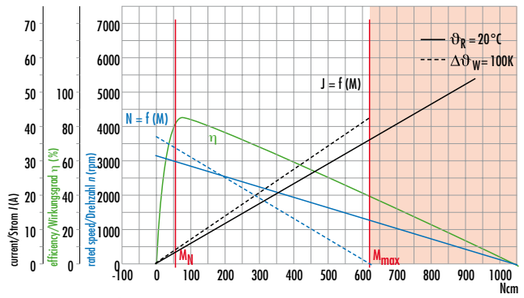
Characteristic diagram/ Belastungskennlinien — *In accordance with*/ Belastungskennlinien gezeichnet nach EN 60034



GR 80x80, 24V



GR 80x80, 40V



GR 80x80, 60V

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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