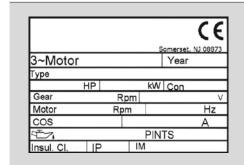
Energy Efficient Geared Motors

AC Line Operated / North America





Type Designations

Significance of type designation	
Significance of type designationBG-series helical-geared motor	30
BF-series shaft-mounted geared motor	31
BK-series bevel-geared motor	
BS-series worm-geared motor	
Codes for gear options	
BG and BF series	
BK and BS series	34
Motor	
Three-phase motor	35
Motor protection	35
Brake rectifier in motor terminal box	35
Motor Mounted Components	
Brake	36
Reverse rotation block	36
Digital and analogue encoder	
Second shaft end	36
Forced ventilation	36
Overall design	36

Energy Efficient Geared Motors

AC Line Operated / North America

3

28 www.bauergears.com P-7133-BGM-US 04/23

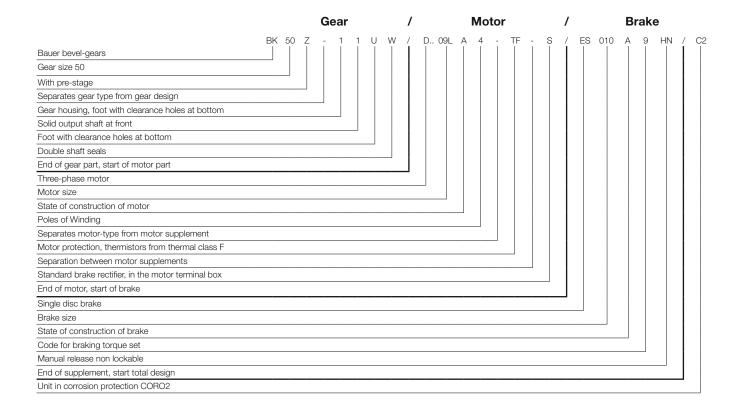
Type Designations Significance of type designation

Example: Bauer bevel-geared motor with brake and standard add-ons

Significance of type designation

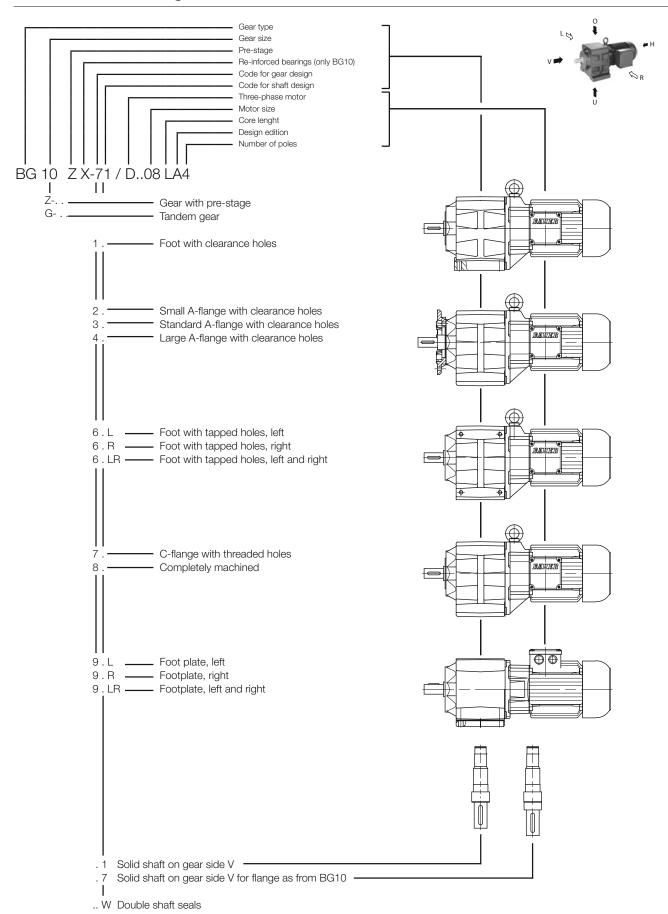
The type designation of a BAUER geared motor is a code designating of almost all features in the drive configuration.

The build-up of the type designation is explained with the help of the following example of a bevel geared motor with brake and series options.



Type Designations

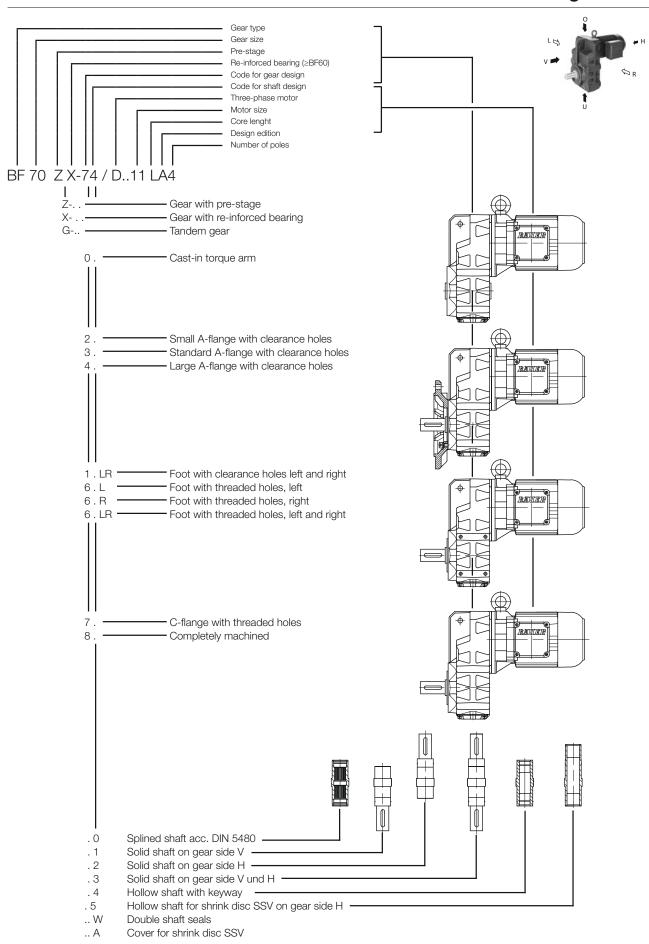
BG-series helical-geared motor



30 www.bauergears.com P-7133-BGM-US 04/23

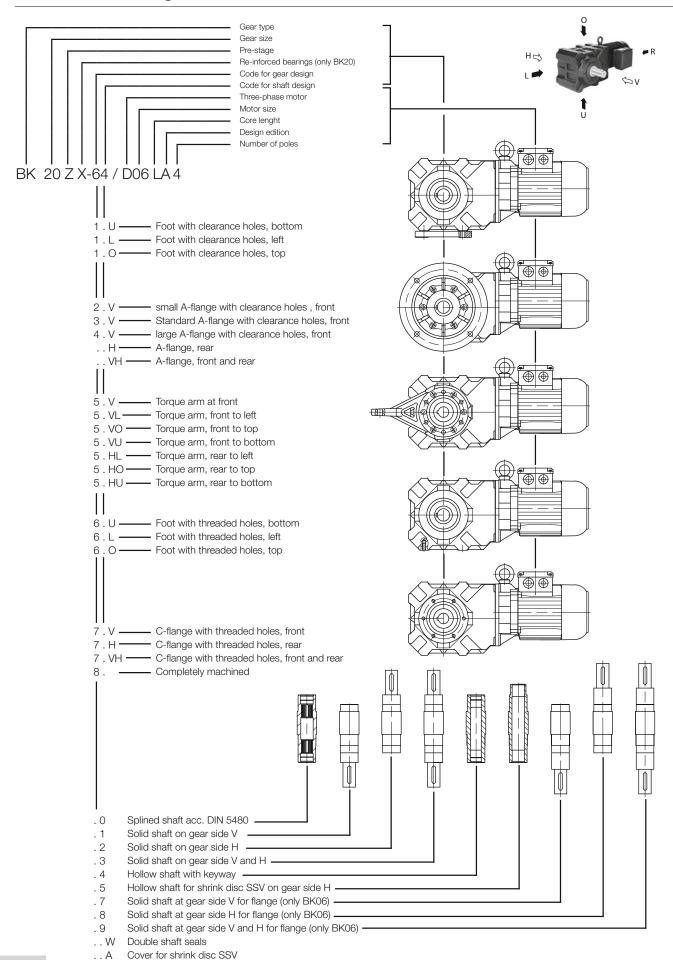
Type Designations

BF-series shaft-mounted geared motor



Type Designations

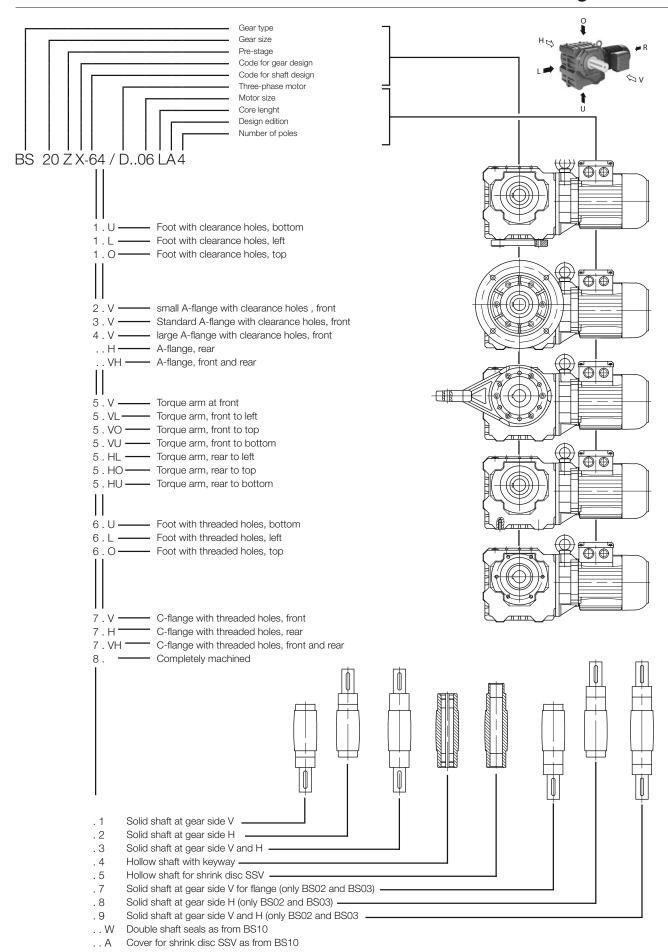
BK-series bevel-geared motor



32

Type Designations

BS-series worm-geared motor

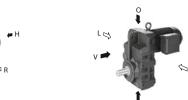


Type Designations

Codes for gear options

BG and **BF** series

BG series: mounting position H4



BF series: mounting position H4

V =Front

The side of the gear unit facing away from the motor or the source of motive power

H=

The side of the gear unit facing toward the motor or the source of motive power

L=

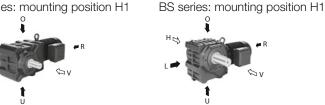
The left side of the gear unit as viewed from the output shaft side of mounting position B3 for the BG series or mounting position H4 for the BF series

R= Right

> The right side of the gear unit as viewed from the output shaft side of mounting position B3 for the BG series or mounting position H4 for the BF series

BK and BS series

BK series: mounting position H1



V =Front

> The side of the gear unit facing toward the viewer looking toward the unit mounting position H1

H= Rear

> The side of the gear unit facing away from the viewer looking toward the unit mounting position H1

L = Left

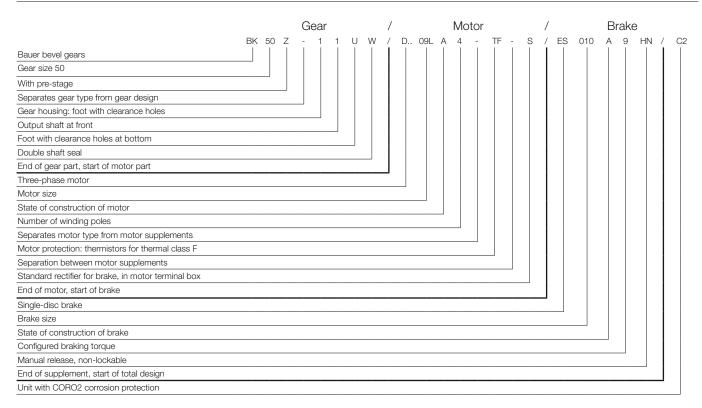
> The left side of the gear unit as viewed from the output shaft side of mounting position H1, or the torque arm oriented to the left

O =

The top side of the gear unit as viewed from the output shaft side of mounting position H1, or the torque arm oriented upwards

U =

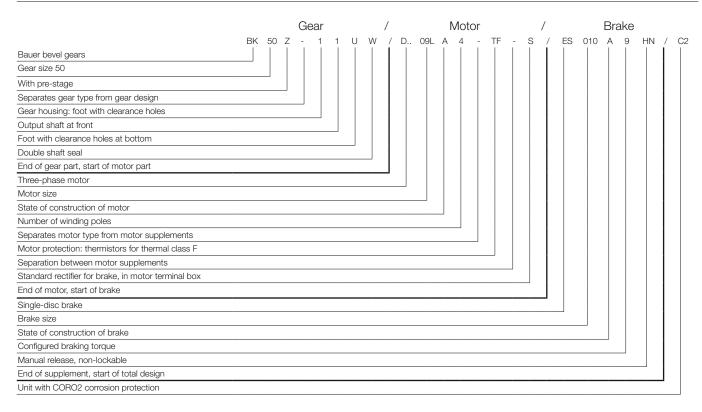
The bottom side of the gear unit as viewed from the output shaft side of mounting position H1, or the torque arm oriented downwards



Three-phase motor	D	=	Three-phase motor
	Е	=	Single-phase motor (Steinmetz circuit)
	S	=	PM-Synchronous motor
	. A	=	Aseptic motor (germ-free drive)
	. SE	=	Three-phase motor with enhanced efficiency compliant with IE1
	. HE	=	Three-phase motor with enhanced efficiency compliant with IE2
	. PE	=	Three-phase motor with enhanced efficiency compliant with IE3
	. N	=	Motor without gear unit; foot-mount version
	. NF	=	Motor without gear unit; flange-mount version
	. R	=	Roller table motor
	. XE	=	Explosion-proof motor with increased safety
	. XD	=	Explosion-proof motors
	. W	=	Torque motor
	. L	=	Special rotor for traction and slewing gear motors
	. C	=	With main and auxiliary windings; only with single-phase motors (EC)
	. V	=	Multiple voltage ranges (wide voltage range)
	. U	=	Unventilated (no forced ventilation)
Motor protection	TB	=	Thermistor 140°
	TF	=	Thermistor 160°
	TH	=	Thermistor 180°
	TEB	=	Thermistor warning/shutdown 120°/140°
	TBF	=	Thermistor warning/shutdown 140°/160°
	TFH	=	Thermistor warning/shutdown 160°/180°
	TOB	=	Thermostatic switch, NC 140°
	TOF	=	Thermostatic switch, NC 160°
	TOH	=	Thermostatic switch, NC 180°
	TSB	=	Thermostatic switch, NO 125°
	TSF	=	Thermostatic switch, NO 160°
	TSH	=	Thermostatic switch, NO 180°
	TX	=	Other
Brake rectifier in motor terminal	S	=	Standard rectifier SG
box	Ε	=	Special rectifier ESG
	M	=	Special rectifier MSG
	Plug co	nnector	ST = Harting (other)
	Heavy-	duty fan	SL
	Protect	ive cover	D
	CleanD	rive	CD = Aseptic drive with cable

Type Designations

Motor Mounted Components



Brake	E ES EH ZS ESX EHX ZSX 010 	= Single-disc brake = Single-disc holding brake = Single-disc holding brake in heavy duty version = Two-disc holding brake = Single-disc service brake = Single-disc service brake in heavy duty version = Two-disc service brake = Brake size A = Construction state . 9 = Code for configured braking torque HN = Manual release (not lockable) HA = Manual release (lockable)	
Reverse rotation block	RR RL	= Blocking direction clockwise= Blocking direction anticlockwise	
Digital and analogue encoder	G		
Second shaft end	ZW ZV	= With key = With square shaft	
Forced ventilation	FV		
Overall design	AV AM UL CS C1 C2 C3 C4 C5I C5M IM2 SP	 USA/Canada version with shaft dimensions in inches USA/Canada version with metric shaft dimensions US version Canadian version Coro1 corrosion protection Coro2 corrosion protection Coro3 corrosion protection Coro4 corrosion protection Coro5 corrosion protection Coro5 corrosion protection Protection against sea or brackish water Non-catalogue version 	

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