Energy Efficient Geared Motors

AC Variable Speed





Type Designations

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Energy Efficient Geared Motors

AC Variable Speed

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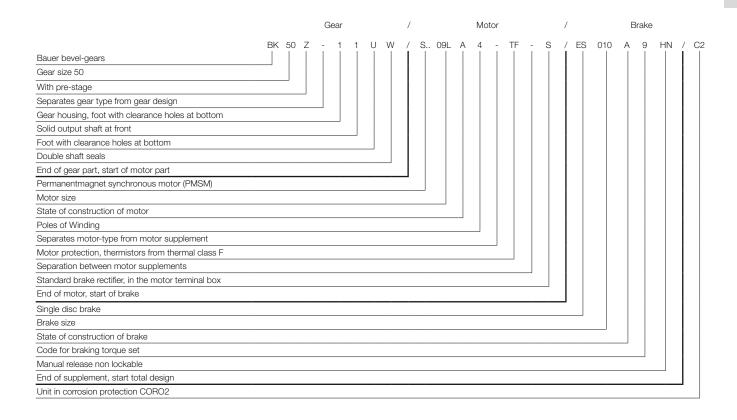
Type Designations Significance of type designation

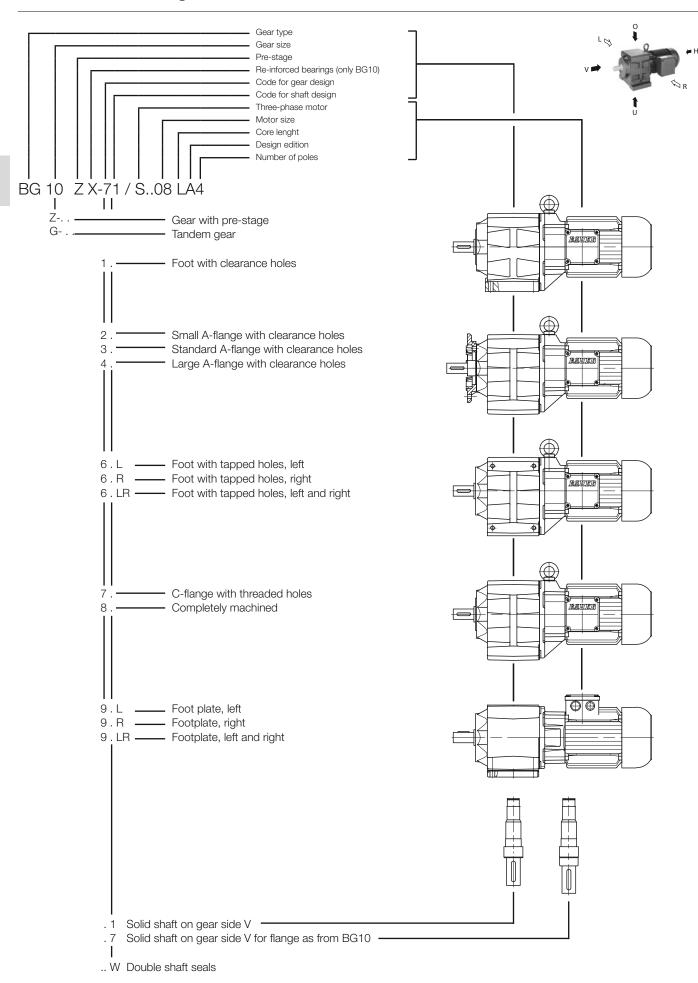
Example: Bauer bevel-geared motor with brake and standard add-ons

Significance of type designation

The type designation of a BAUER geared motor is a code designating all the 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.

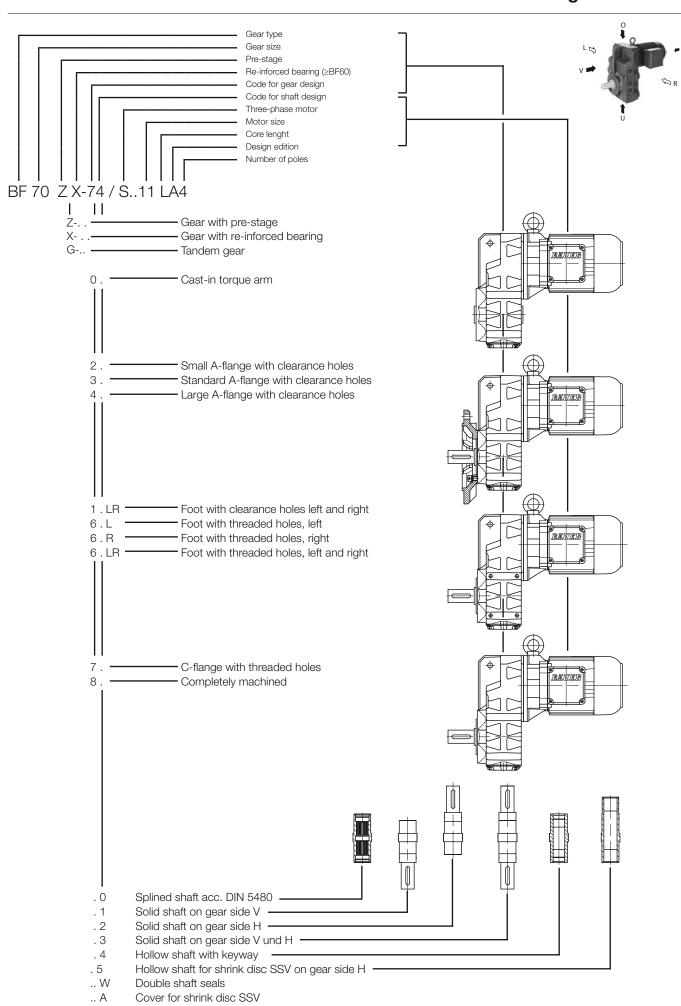


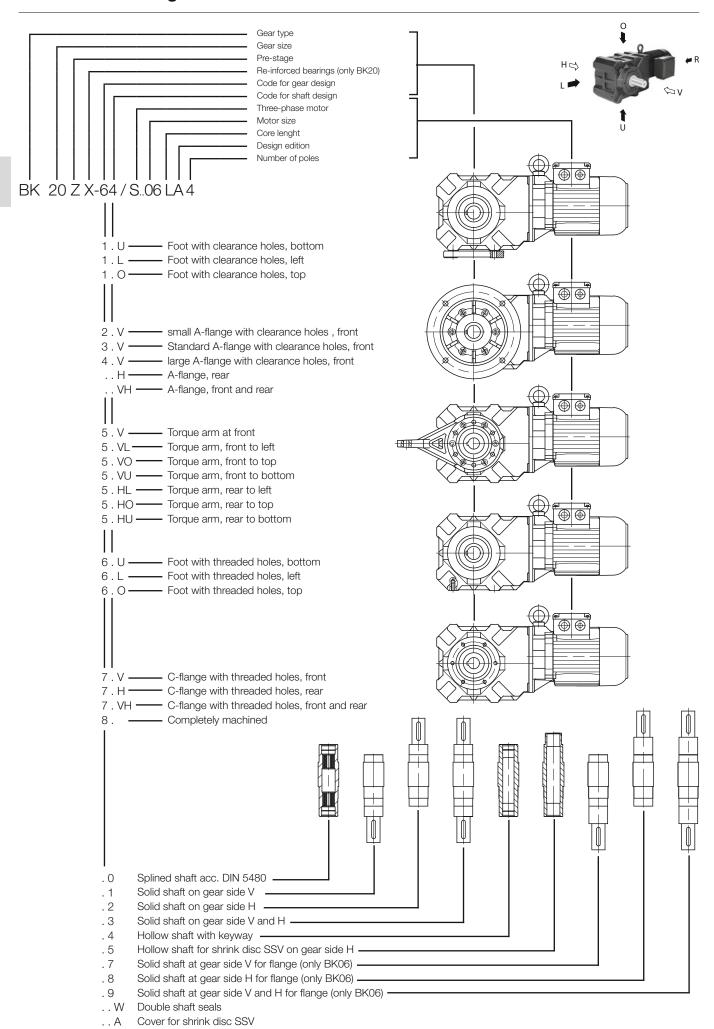


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Type Designations

BF-series shaft-mounted geared motor

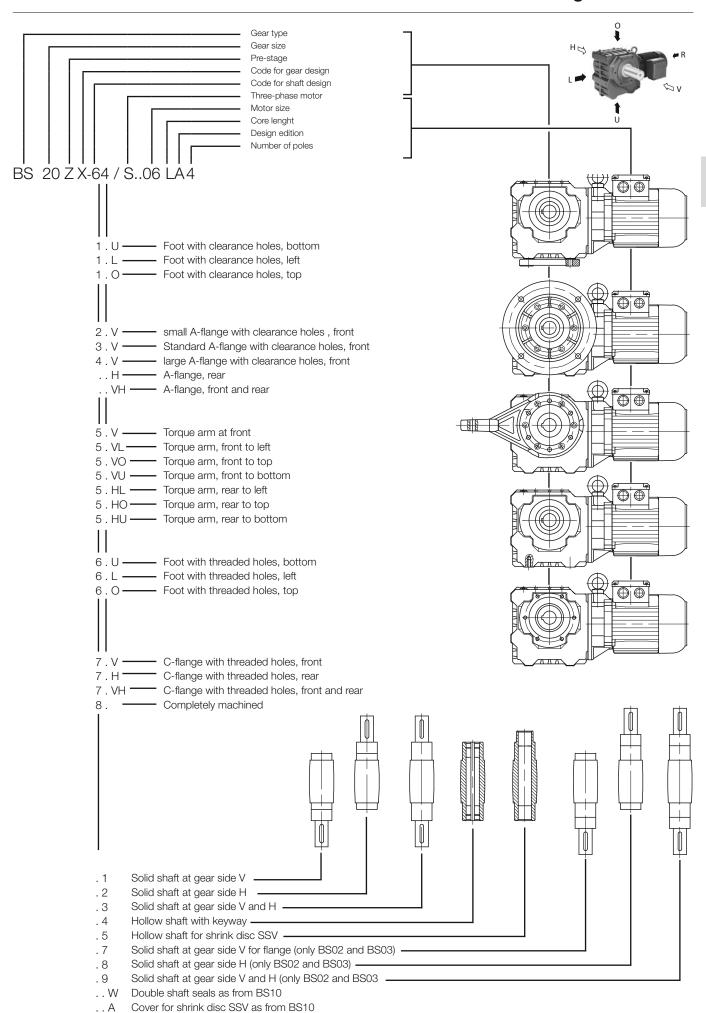




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Type Designations

BS-series worm-geared motor



Type Designations

Versions and options

BG and **BF** series

BG series: type H4

BF series: type H4

V

V

R

H

V

R

V = Front

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

H = Rear

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

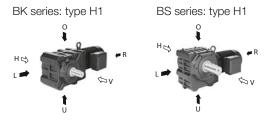
L = Left

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

R = Right

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

BK and BS series



V = Front

The side of the gear unit facing toward the viewer looking toward the type $\mbox{\rm H1}$ unit

H = Rea

The side of the gear unit facing away from the viewer looking toward the type H1 unit

L = Lef

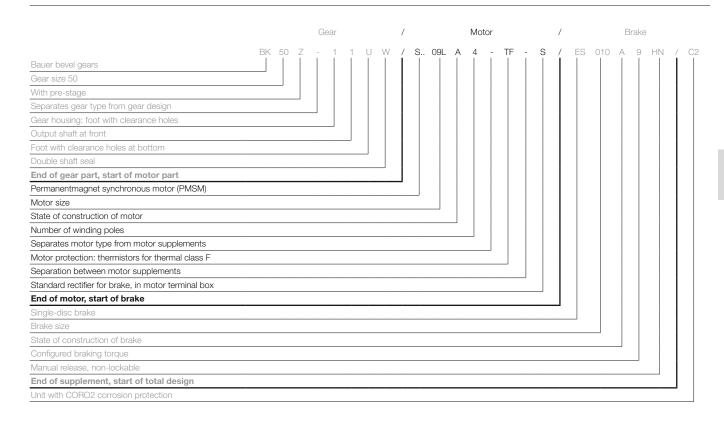
The left side of the gear unit as viewed from the output shaft side of type H1, or the torque brace oriented to the left

O = Top

The top side of the gear unit as viewed from the output shaft side of type H1, or the torque brace oriented upwards

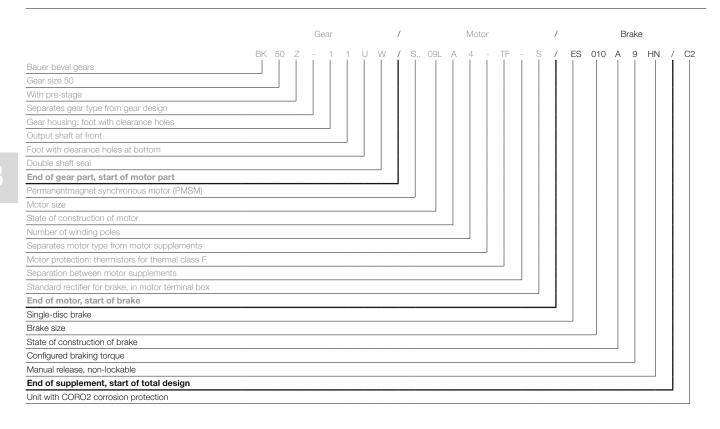
U = Bottom

The bottom side of the gear unit as viewed from the output shaft side of type $\rm H1$, or the torque brace oriented downwards



Permanentmagnet synchronous motor (PMSM)	S . A . N . NF . U	= = = =	Permanentmagnet synchronous motor (PMSM) Aseptic motor (germ-free drive) Motor without gear unit; foot-mount version Motor without gear unit; flange-mount version Unventilated (no forced ventilation)
Motor protection	TB TF TH TEB TBF TFH TOB TOF TOH TSB TSF TSH TX	= = = = = = = = = = = = = = = = = = =	Thermistor 140° Thermistor 160° Thermistor 180° Thermistor warning/shutdown 120°/140° Thermistor warning/shutdown 140°/160° Thermistor warning/shutdown 160°/180° Thermostatic switch, NC 140° Thermostatic switch, NC 160° Thermostatic switch, NC 180° Thermostatic switch, NO 125° Thermostatic switch, NO 160° Thermostatic switch, NO 180° Other
Brake rectifier in motor terminal box	S E M	= = =	Standard rectifier SG Special rectifier ESG Special rectifier MSG
Plug connector Heavy-duty fan Protective cover CleanDrive	ST SL D CD	=	Harting (other) Aseptic drive with cable

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Brake	E ES EH ZS ESX EHX ZSX 010 A 9 HN HN	= = = = = = = = = =	Single-disc brake Single-disc holding brake Single-disc holding brake in heavy duty Two-disc holding brake Single-disc service brake Single-disc service brake in heavy duty version Two-disc service brake Brake size Construction state Code for configured braking torque Manual release (not lockable) Manual release (lockable)
Digital and analogue encoder	G		
Second shaft end Forced ventilation	ZW ZV FV	=	With key With square shaft
Overall design	UL C1 C2 C3 C4 C5I C5M IM2 SP	= = = = = = =	US 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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