

Bauer Article No.: 188H2785

shaft-mounted geared motor with Single-disc spring setting brake

Type	: BF30-04/D09XA4-TOF-S/ESX027A9HA/SP	Mounting	: H4
Motor power (kW)	: 2,2	Terminal box position	: II / A
Output shaft speed (rpm)	: 59	Dimensional drawing	: BF30-BF30Z
Corrosion protection	: Standard	Catalogue	: DG 07
Painting	: RAL 7031	net weight per unit	: ca. 60 kg

Add.-/Special design: Suitable for ambient temperatures from -40 to 40°C.

Suitable for operation on static converter in the frequency range

: 10	-50	-60	Hz
Voltage	: 102	-400	-400 V Y
S3-60% Output	: 0,405	-2,5	-3,05 kW
synchron speed	: 12,0	-62	-74 rpm
S3-60% Torque	: 310	-415	-415 Nm
Load current approximately	: 6,7		A
Service factor	: 1,35		

Gear design:

Type : BF30 2 -staged shaft-mounted gear
 Design code 04 : with Cast-on torque arm
 : hollow shaft with keyway (d: 35 mm)
 Total gear reduction i : 24,03
Add.-/Special design: 2 rubber pads are included loose.
 With assembly tools -holding- loose as enclosure
 Lubricant type: PAO68

Design of the motor:

Type : Three-phase squirrel cage motor D09XA4-TOF-S
 Voltage (V) : 400 Rated speed (rpm) : 1400
 Connection : Y IP prot. type per EN 60529 : IP 65
 Frequency (Hz) : 50 IC cool. type EN 60034-6 : IC 411
 Rated current (A) : 5,1 Design acc. to DIN VDE 0530-1/EN 60034-1
 Power factor (cos phi) : 0,80 Terminal box size : KAG2
 Temperature class : F
Add.-/Special design: with built-in thermostats "opening" for release
 correspond to Insulation Class F
 per supplemental connection diagram ZK010.1030-13.
 Fan made of special plastic B3 G5 ULTRAMID .
 With Motor bearing grease Klüber Petamo GHY 133

Design of the brake:

Working brake below the fan cowl
 Type : Single-disc spring setting brake ESX 027 A 9 HA
 Braking torque : 22,0 Nm
 IP prot. type per EN 60 529 : IP 65 supplemental dim. drawing : N-BR
 Coil voltage : 180 V Coil current : 0.26 A
 cable version, connecting ends of the magnet coil led to rectifier in motor terminal box.
Add.-/Special design: With lockable hand release.

With standard rectifier installed in motor terminal box

Type	: SG 3.575 B	Output DC	: 180 V
Connection voltage AC 50/60 Hz	: 380..420 V		
Connection current	: 0.18 A		

Please note:

Motor

Motor connection by means of CAGE-CLAMP.
 CAGE CLAMP is a Registered Trademark of the company WAGO

Motor not within the scope of Regulation (EU) 2019/1781 according to Article2, paragraph 2(d).

To protect the motor winding we recommend the use of thermistors. The thermostats which you requested have a significantly longer response time. They are therefore not suitable for motor protection where there are rapid temperature changes (as in the case of blocking).

Please check whether the allocation of voltage and frequency for the motor and converter match.

Brake

When operating with various frequencies (frequency jumping, converter operation) the brake must be supplied from a separate network (possibly a control network)(danger of destruction by voltage spikes).