

Replacement for: No.: 188J7475

Bauer Article No.: 188X4507

Helical-gear motor

Type : BG06-31/D06LA4-TOF/UL-TM
 Motor power (kW) : 0,25 Mounting : B5
 Output shaft speed (rpm) : 42,0 Terminal box position : II / D
 Dimensional drawing : BG06
 Corrosion protection : Standard Catalogue : DG 07
 Painting : unpainted net weight per unit : ca. 9,5 kg
Add./Special design: Output plate additional stamped with:
 Customer ID no. 7407568
 Suitable for ambient temperatures from -10 to 60°C.
 Complete Design nach ZN.BG06-31/D06-A3-S001. (Linkslauf)
 Sonder-Kabelverschraubungen nach ZN.BAU2580705. M20x1,5-MS Skintop

Suitable for operation on static converter

| | | | | | | | | |
|----------------------------|---------|---|------|---|-------|---|------|-----|
| in the frequency range | : 5 | - | 50 | - | 87 | - | 110 | Hz |
| Voltage | : 30 | - | 133 | - | 230 | - | 230 | V D |
| Output | : 0,016 | - | 0,25 | - | 0,445 | - | 0,51 | kW |
| synchron speed | : 4,6 | - | 46,5 | - | 81 | - | 102 | rpm |
| Torque | : 34,0 | - | 56 | - | 56 | - | 50 | Nm |
| Load current approximately | : 2,85 | | | | | | | A |
| Service factor | : 0,8 | | | | | | | |

Gear design:

Type : BG06 2 -staged Helical gear
 Design code 31 : with standard flange on side front (d: 120 mm)
 : solid output shaft on gear side front (d: 17 mm)
 Total gear reduction i : 32,22
 Oil-type/-volume (l) : CLP 220 / 0,08
Add./Special design: Sondergetriebegehäuse nach ZN.BG06-03/1-A4-AL-K003. mit Gewinde M8
 Material-Nr: BAU2543443

Design of the motor:

Type : Three-phase squirrel cage motor D06LA4-TOF
 Voltage (V) : 133 Rated speed (rpm) : 1350
 Connection : D IP prot. type per EN 60529 : IP 65
 Frequency (Hz) : 50 IC cool. type EN 60034-6 : IC 411
 Rated current (A) : 2,65 Design acc. to DIN VDE 0530-1/EN 60034-1
 Power factor (cos phi) : 0,69 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 Z010.1030-13.
 Design of the motor acc. to UL-File E220923
 Fan made of special plastic B3 G5 ULTRAMID .
 Terminal box design with terminal block

Please note:

Motor

At higher input speeds, increased operating noise and temperature rise of the gear motor can be expected.
 Furthermore, the lifetime of the shaft seals will reduce, which needs to be observed, when setting service intervals.

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