

**Bauer Article No.: 188R5192**

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

Type	: BF10-04/D08MA4-TF-S/ESX010A9HA		
Motor power	(kW) : 0,55	Mounting	: H4
Output shaft speed	(rpm) : 61	Terminal box position	: II / A
		Dimensional drawing	: BF10-BF10Z
Corrosion protection	: Standard	Catalogue	: DG 07
Painting	: RAL 7031	net weight per unit	: ca. 29 kg
ambient temperature	°C : -20 - +40		

Suitable for operation on static converter in the frequency range	: 10	-	50	Hz
Voltage	: 115	-	400	V Y
S3-40% Output	: 0,113	-	0,7	kW
synchron speed	: 12,5	-	64	rpm
S3-40% Torque	: 84	-	112	Nm
Load current approximately	: 2,1			A
Service factor	: 2,1			

**Gear design:**

Type	: BF10 2 -staged shaft-mounted gear
Design code 04	: with Cast-on torque arm
	: hollow shaft with keyway (d: 25 mm)
Total gear reduction i	: 23,28
Oil-type/-volume (l)	: CLP 220 / 1,1
<b>Add./Special design:</b>	2 rubber pads are included loose. With assembly tools -holding- loose as enclosure

**Design of the motor:**

Type	: Three-phase squirrel cage motor D08MA4-TF-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) : 1,60	Design acc. to DIN VDE 0530-1/EN 60034-1	
Power factor (cos phi)	: 0,75	Terminal box size	: KAG2
Temperature class	: F		
<b>Add./Special design:</b>	With built in thermistors for release per supplemental connection diagram ZK010.1040-14. With external grounding clamp		

**Design of the brake:**

Type	: Single-disc spring setting brake ESX 010 A 9 HA		
Braking torque	: 10,0 Nm		
IP prot. type per EN 60 529	: IP 65	supplemental dim. drawing	: N-BR
Coil voltage	: 180 V	Coil current	: 0.17 A
cable version, connecting ends of the magnet coil led to rectifier in motor terminal box.			
<b>Add./Special design:</b>	With lockable hand release.		

With standard rectifier installed in motor terminal box

Type	: SG 3.575 B		
Connection voltage AC 50/60 Hz	: 380..420 V	Output DC	: 180 V
Connection current	: 0.12 A		

**Please note:**

**Motor**

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

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).