

# MOTOX Geared Motors

## Parallel shaft geared motors

Orientation

### Overview (continued)

The parallel shaft gearboxes are designated as follows:

#### Gearbox type:

**F** Parallel shaft gearbox

Transmission stage **Z** 2-stage  
**D** 3-stage

#### Type:

Shaft  
 (-) Solid shaft  
**A** Hollow shaft

Mounting  
 (-) Foot-mounted design  
**F** Flange-mounted design (A-type)  
**Z** Housing flange (C-type)  
**D** Torque arm  
**M** Mixer flange  
**E** Extruder flange

Connections  
 (-) Feather key  
**S** Shrink disk  
**T** Hollow shaft with splined shaft

Special features **W** Reduced-backlash version

#### Type of intermediate gearbox:

(-) Helical gearbox

Transmission stage **Z** 2-stage  
**D** 3-stage

#### Input unit:

- K2** Coupling lantern with flexible coupling for connecting an IEC motor
- K2TC** Coupling lantern with flexible coupling for connecting a NEMA motor <sup>1)</sup>
- K4** Short coupling lantern with clamp connection for connecting an IEC motor
- K5** Short coupling lantern with clamp connection for connecting a NEMA motor <sup>1)</sup>
- KQ** Lantern for servomotor with feather key and zero-backlash flexible coupling for connecting a servomotor
- KQS** Lantern for servomotor without feather key and zero-backlash flexible coupling for connecting a servomotor
- A** Input unit with free input shaft
- A5** Input unit with free input shaft (NEMA design) <sup>1)</sup>
- P** Input unit with free input shaft and piggy back for connecting an IEC motor
- P5** Input unit with free input shaft and piggy back for connecting a NEMA motor <sup>1)</sup>
- PS** Input unit with free input shaft and piggy back with protection cover

Example:

**F Z F 108 B - Z 38 - K4 (100)**

Gearbox type	_____
Transmission stages	_____
Type	_____
Size	_____
Revision marks	_____
Type of intermediate gearbox	_____
Size	_____
Input unit (for motor size)	_____

The series currently comprises 10 gearbox sizes.

The basic designs available are 2- and 3-stage gearboxes.

<sup>1)</sup> These designs can be selected from our MOTOX Configurator electronic catalog.