

## **ZBF Cylindrical Rotor Motors -- ZBF 90 B 8/2**

### **CYLINDRICAL-ROTOR MOTORS**

Our Z cylindrical-rotor motors perform a wide variety of industrial drive tasks – reliably and effectively. They are suitable for a broad range of applications, offering outstanding performance:

- motor output up to 72 HP (45 kW)
- inverter-fed drives for travel applications, line-fed travel and continuous operation
- specially designed to match our range of gearboxes
- simple project engineering
- high drive efficiency
- software tools to calculate drive requirements according to specified physical characteristics

For both motor output and braking capacity: you benefit from a range of outstanding advantages with our Z cylindrical-rotor motors.

#### **Strong motor output**

- Motor output up to 72 HP (45 kW)
- 2, 4, 6 or 8 poles
- Two-speed motors
- ZBA/ZNA for travel applications with inverters
- ZBF for line-fed travel applications
- ZBE/ZNE for continuous duty in energy efficiency class IE2

#### **Customized braking performance**

- Motors with or without a brake
- Specified brake torques from 0.6 to 496 ft-lbs (0.9 to 680 Nm)
- Two brake sizes available for each motor frame size
- ZB cylindrical-rotor motors fitted with disc brakes (held by springs when no voltage is applied)
- Finely graded brake torques by utilizing differing spring strengths and quantities
- Various control modules for switching times to match application requirements

Many further options and accessories

## Specifications

<b>Product Category</b>	AC Motors
<b>Performance Specifications</b>	
AC Voltage	208-230/240V 60Hz; 460/480V/60Hz; 575/600V/60Hz (optional feature); International Voltages (optional feature)
Phase	Three-phase
Shaft Speed	840 to 3400 rpm
Continuous Current	1.5 to 2.4 amps
Continuous Torque	24 In-lbs (27.67 kg-cm)
Output Power	0.3200 to 1.3 HP
Rotor Inertia	2.86 oz-in-sec <sup>2</sup> (20.23 kg-cm <sup>2</sup> )
<b>Motor Type</b>	
AC Construction	Induction
Features	Multi-speed; Reversible
Shaft Orientation	In-line; Single-ended
<b>Gearing Options</b>	
Gearing	Motor Only (No Gearhead)
<b>Housing / Enclosure</b>	
Units	English; Metric
Motor Shape	Cylindrical Body
Extreme Environment	Clean Room Use (optional feature)
<b>Other Specifications</b>	
Feedback	Integral Encoder (optional feature); Pulse Generator
Features	Brake
<b>Environment</b>	
Environment	Totally Enclosed; Dust-proof; Drip-proof

### Offset Gearmotors -- ADE40 TD ZBA 90 B 2

Demag type A offset gear motors are available in 9 sizes with shaft-mounted gearboxes and torque bracket and foot or flange-mounted configuration. They offer the optimum solution for space-saving drive requirements due to their compact design.

Gearbox size A10 is a two-stage unit, all other units are two or three-stage depending on the gear ratio range.

Sizes A10 to A40 feature a vertically split housing of high quality pressure die-cast aluminium, which guarantees high stability for a low deadweight. Gearbox sizes A50 to A90 feature a grey cast iron housing.

- Universal type
- Foot-mounted type
- Flange-mounted type
- Integrated torque bracket design

## Specifications

<b>Product Category</b>	AC Motors
<b>Performance Specifications</b>	
AC Voltage	208-230/240V 60Hz; 460/480V/60Hz; 575/600V/60Hz (optional feature); International Voltages (optional feature)
Phase	Three-phase
Shaft Speed	38 to 47 rpm
Continuous Current	5.1 amps
Continuous Torque	4800 to 5880 In-lbs (5535 to 6780 kg-cm)
Output Power	3.7 HP
Rotor Inertia	0.6684 oz-in-sec <sup>2</sup> (4.72 kg-cm <sup>2</sup> )
<b>Motor Type</b>	
AC Construction	Induction
Features	Reversible
Shaft Orientation	Single-ended; Hollow (optional feature); Offset / Parallel
<b>Gearing Options</b>	
Gearing	Gearmotor
Gearhead Model	A**40 TD
Gearbox Ratio	73.8 to 91.1 : 1
<b>Housing / Enclosure</b>	
Units	English; Metric
Motor Shape	Cylindrical Body
Extreme Environment	Clean Room Use (optional feature)
<b>Other Specifications</b>	
Feedback	Integral Encoder (optional feature); Pulse Generator
Features	Brake
<b>Environment</b>	
Environment	Totally Enclosed; Dust-proof; Drip-proof