

Servo Drive Package for the BB5000 Boring Machine. Incredible Power, Compact Size, Ultra-Quiet Operation.

In response to market demand for a faster way to drive the BB5000 Boring Machine in a heavy use environment, Climax has developed a new electric motor option for the BB5000. This new motor provides power to the BB5000 through a variable speed, reversible servo motor that can either be ordered with a new BB5000, or ordered to replace an existing drive system.

The new servo motor provides variable control from 3 - 230 RPM in either direction. This makes set-up, tool change and alignment much faster and easier. The compact, lightweight servo drive system has more power and eliminates the need for a hydraulic power unit.

Both the 230V and 460V options have CE and non-CE options.

Features

- Provides the power of a hydraulic power unit without having to haul the heavy power unit, hoses, and oil.
- Provides more torque than with 2.2 or 3.6 cubic inch hydraulic motors, and with a greater RPM range than with any single hydraulic motor.
- Power to bore large diameter holes with deep cuts.
- Motor has variable speed and is reversible.
- Incredible power with ultra quiet operation.
- Quick setup at job site.
- Uses a standard mount system: no modification to current Climax boring bars necessary.

Specifications

Input power 230V System: 200 - 240V,
50/60 Hz dual-rated, 16 Amp, 3-Phase
460V System: 380 - 480V,
50/60 Hz dual-rated, 8.5 Amp, 3-Phase

Rotation Variable and reversible

Item	RPM	Torque
Bar speed	3 - 230	
Rated torque, continuous running	3 - 167	147.9 ft-lbs (200.4 N•m)
	167 - 230	97.4 ft-lbs (132.0 N•m)
Peak torque	3 - 167	443.7 ft-lbs (601.2 N•m)
	167 - 230	314.4 ft-lbs (426.0 N•m)



Motor Data

Manufacturer	Mitsubishi
Speed rated	2000 RPM
Speed max	3000 RPM
Speed permissible instantaneous	3450 RPM
Nominal rated full load Hp	4.7 Hp (3.5 kW)

Weights & Measures

Motor	43 lbs (20 kg)
Adapter assembly (51536)	10 lbs (5 kg)
Rotational Drive Unit (RDU) (53165)	31 lbs (14 kg)
Motor, adapter assembly and RDU	85 lbs (39 kg)
Controls	45 lbs (21 kg)
Pendant	4 lbs (2 kg)

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