

Motor with backstop

1. Specifications of motor with backstop

- 1) Characteristic of motor: Same as existing motor
- 2) Available protection: IP44 , IP54
- 3) Available gear combination: Cyclo and Rhytax
- 4) Construction: Refer to the attached drawing

2. Features and benefits of motor with backstop

- 1) Lock torque is 300% or more.
The backstops are capable of withstanding the lock torque of 300% or more against motor rated torque as prevention of reversing rotation for inclined belt conveyor and bucket elevator, etc.
- 2) Easy to use
Gap adjustment and wiring connection are not required compared with electromagnetic brake.
- 3) Advantages in 18.5kw or above
Motors with backstops of 18.5kw or above have advantages on cost and overall length compared with brake motors.

3. Available motor sizes

Motor frame size	Kw		Lock torque (kgf-m) Note 1	Extension length (mm) Note 2	Construction drawing
	4 pole	6 pole			
F-100L	2.2	(0.75)	17.3	+63	Fig.A
F-112M	3.7	(1.5)	25.5	+72	
F-132S	5.5	(2.2)			
F-132M	7.5	(3.7)	40.3	+95	
F-160M	11	(5.5)			
G-160L	15	11	45.5	+90	Fig.B
F-180MG	18.5, 22	15	71.5	+82	
F-180L	30	18.5, 22			
F-200L	37, 45	30			

Note: 1. Lock torque is allowable braking torque at reverse rotation.

2. Extension length = length of motor with backstop – length of standard motor

3. Motor with backstop for 1.5kw or below is not available.

4. Price and delivery time consult factory.

5. When you order the motor with backstop from SHI, you must inform SHI of direction rotation of slow speed shaft when viewing from end of slow speed shaft.

