



## LEESON BRAKEKITS

Kit of components to convert 56 through 256T frame stock TEFC motors to fail-safe brakemotors.

Kit mounts on fan end of motor. Kits for 56-184T steel frame motors include totally enclosed Stearns AC brake, replacement cast fan cover, shaft extension, fan and hardware. Kits for 213T-256T cast iron frame motors **do not include brake**, but are designed for Stearns 87,000 series brake.

Two 1/2" NPT holes with 18" leads are provided for connections. The BRAKEKIT adds 5/8" to the overall length of 56 and 143-5T frame, and 5/8" to the overall length of 182-184T frame.

## BRAKEKITS

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Cat. No.	Cat. No.	Cat. No.	App. Wt. (lbs.)
			115-208/230 V Brake Coil Voltage	208-230/460 V Brake Coil Voltage	575 V Brake Coil Voltage	
3	48/S56	1	—	<b>175615.00</b> ①	—	10
3	56/143-5T	1	<b>175659.00</b> <b>175762.00</b> ②	<b>175139.00</b> <b>175765.00</b> ②	<b>175177.00</b> <b>175768.00</b> ②	10
6	56/143-5T	2	<b>175660.00</b> <b>175763.00</b> ②	<b>175140.00</b> <b>175766.00</b> ②	<b>175178.00</b> <b>175769.00</b> ②	10
10	56/143-5T	3	<b>175662.00</b> <b>175764.00</b> ②	<b>175141.00</b> <b>175767.00</b> ②	<b>175179.00</b> <b>175770.00</b> ②	10
15	182-4T	3	—	<b>175696.00</b>	<b>175698.00</b>	12
25	182-4T	5	—	<b>175697.00</b>	<b>175699.00</b>	12

- 56/143-5T frame Brakekits cannot be used on S56 frame motors.
- Use the 182-4T frame Brakekits on motors having catalog numbers with a "G" prefix or that are 131454 or higher.
- 182-4T frame Brakekits can also be used on single-phase 4-pole (1725RPM) motors, but can only be connected for 208-230V. All brake coils are single phase.
- ① For motors having a "P" for the suffix letter on the date code and having a face mount fan guard.
- ② For 56/145 frame motors having a "B" for the suffix letter for the date code and having a **face mount fan guard**.

## BRAKE ADAPTER KITS

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Catalog Number	App. Wt. (lbs.)
6-105	213-5T	10	<b>175710.00</b>	30
6-105	254-6T	20	<b>175711.00</b>	40

- Brake Adapter Kits include adapter casting/fan guard, brake fan, adapter shaft and hardware needed to mount a Stearns® 87,000 series brake (sold separately by Stearns®).
- Shaded frame sizes are for use with cast iron motors.



WASHGUARD Brakekits have the same convenient assembly method as general purpose models.

## BRAKEKITS FOR WASHGUARD MOTORS

Kit of components including a Stearns NEMA 4X brake to convert 56 thru 145T frame stock TEFC only motors to fail-safe brakemotors. Food safe white epoxy finish. BISSC Certified. Adds 5 1/8" to the overall length of 56 thru 145T WASHGUARD TEFC motors.

## WASHGUARD BRAKEKITS

For 230/460V Three Phase and 230V Single Phase Motors

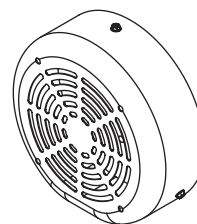
Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Cat. No.	App. Wt. (lbs.)
			208-230/460 V Brake Coil Voltage	
3	56/143-5T	1	<b>175616.00</b> <b>175771.00</b> ②	24
6	56/143-5T	2	<b>175617.00</b> <b>175772.00</b> ②	36
10	56/143-5T	3	<b>175618.00</b> <b>175773.00</b> ②	43

② For 56/145 frame motors having a "B" for the suffix letter for the date code and having a face mount fan guard.

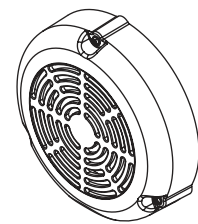
## BRAKE SELECTION

In this table, brake torque ratings are no less than 140% of the motor full load torque. Match HP & frame size of motor with appropriately rated BRAKEKIT.

Motor HP	Brakemotor RPM Torque Rating of Brake (Lb-Ft)		
	3450	1725	1140
1/3	3	3	3
1/2	3	3	3
3/4	3	6	6
1	3	6	6
1 1/2	6	10	10
2	6	10	15
3	10	15	25
5	15	25	35
7.5	25	35	50
10	25	50	75
15	35	75	105
20	50	105	—



Old Design



New Design - Face Mount

