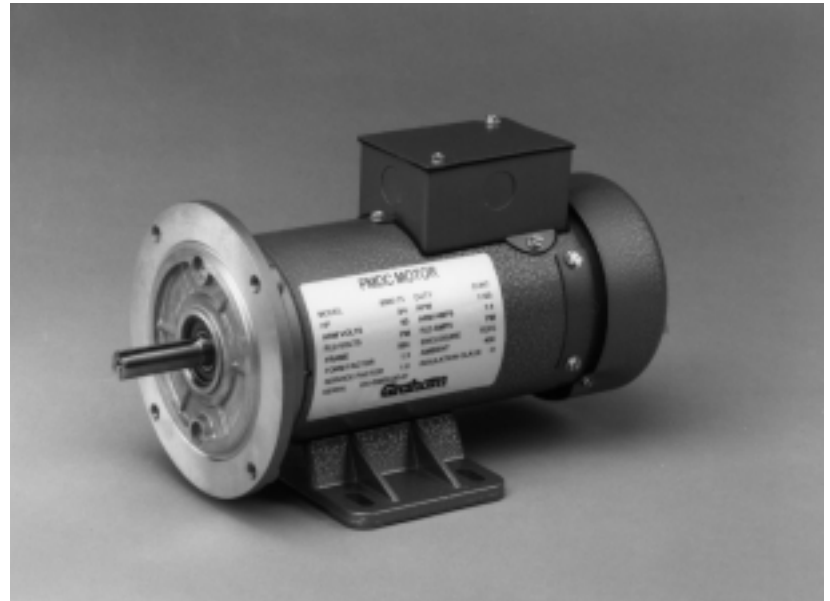


# Permanent magnet Cycletrol® DC Motors

Graham Transmissions' permanent magnet DC motors are optimized for rapid cycling use with Cycletrol Series DC controls. All motors are in-stock for prompt delivery.

- Designed to industry-standard NEMA frame sizes
- 13 models rated from 1/8 to 5 HP
- Easy access to brushes for quick brush replacement
- Non-vented and fan cooled versions
- UL recognized
- For use with 120/240 VAC single phase silicon controlled rectifier (SCR) drives
- 90/180 volt armature motors have 1,800 RPM base speed



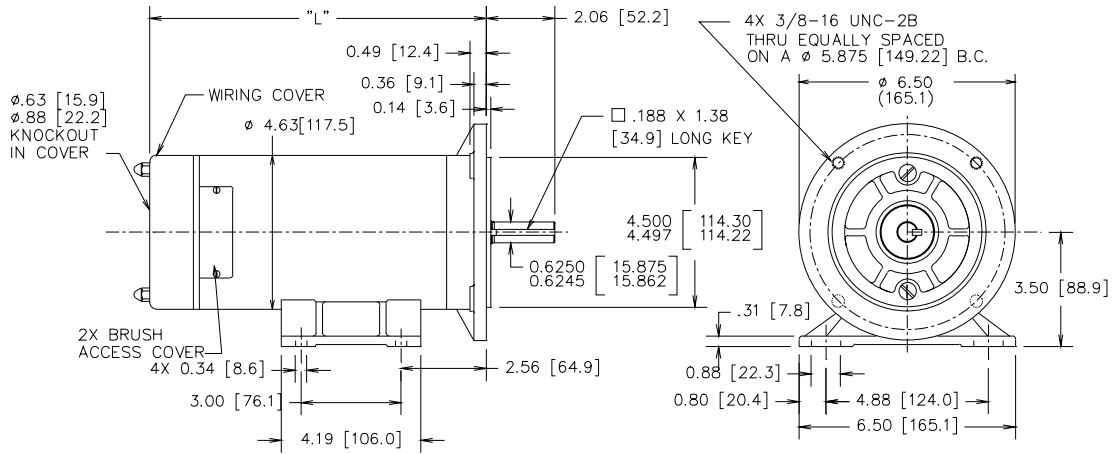
## Specifications

Model Number	Armature (VDC)	DC Drive (VAC)	Horsepower	NEMA Frame	Torque (lb-ft)	Amperes (DC)	Inertia (lb-ft <sup>2</sup> )	Enclosure	"L" Length	Shipping Weight	Drawing
8000-12	90	120	1/8	56BC	0.38	1.5	0.020	TENV	8.13	16 lbs.	FF
8000-25	90	120	1/4	56BC	0.75	2.7	0.027	TENV	9.13	19 lbs.	FF
8000-33	90	120	1/3	56BC	1.0	3.5	0.035	TENV	10.13	22 lbs.	FF
8000-55	90	120	1/2	56BC	1.5	4.7	0.045	TENV	12.13	28 lbs.	FF
8000-75*	90	120	3/4	56BC	2.3	6.9	0.054	TEFC	13.50	32 lbs.	GG
8001-00*	90	120	1	56BC	3.0	9.5	0.059	TEFC	13.50	32 lbs.	GG
8050-55*	180	240	1/2	56BC	1.5	2.3	0.044	TENV	12.13	29 lbs.	FF
8050-75*	180	240	3/4	56BC	2.3	3.8	0.061	TEFC	11.50	25 lbs.	GG
8051-00*	180	240	1	56BC	3.0	4.6	0.083	TEFC	13.50	30 lbs.	GG
8051-50*	180	240	1-1/2	45BC	4.5	7.8	0.182	TEFC	16.00	65 lbs.	CC
8052-00*	180	240	2	82BC	6.0	9.5	0.249	TEFC	16.50	78 lbs.	DD
8053-00*	180	240	3	82BC	9.0	14.0	0.278	TEFC	19.75	90 lbs.	HH
8055-00	180	240	5	182TC	15.0	24.5	1.132	TEFC	25.25	163 lbs.	EE

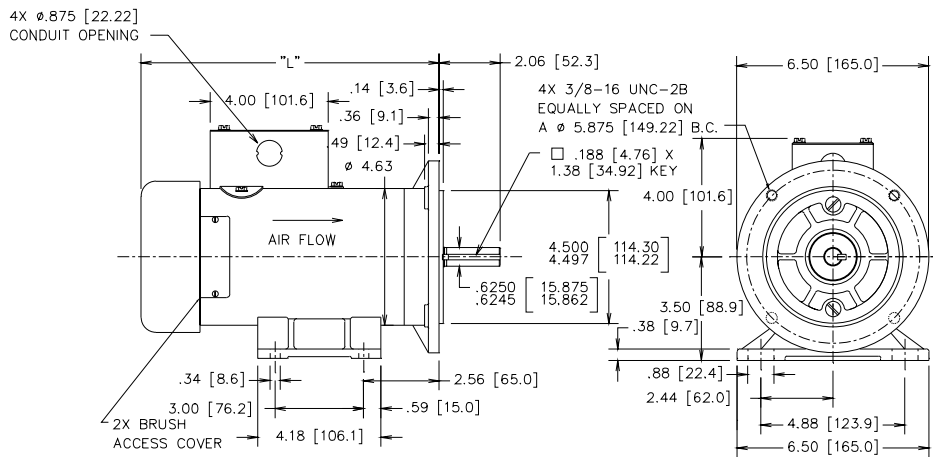
\*CE marked, conforms to EN60034-1 & EN60034-5

# Dimensions

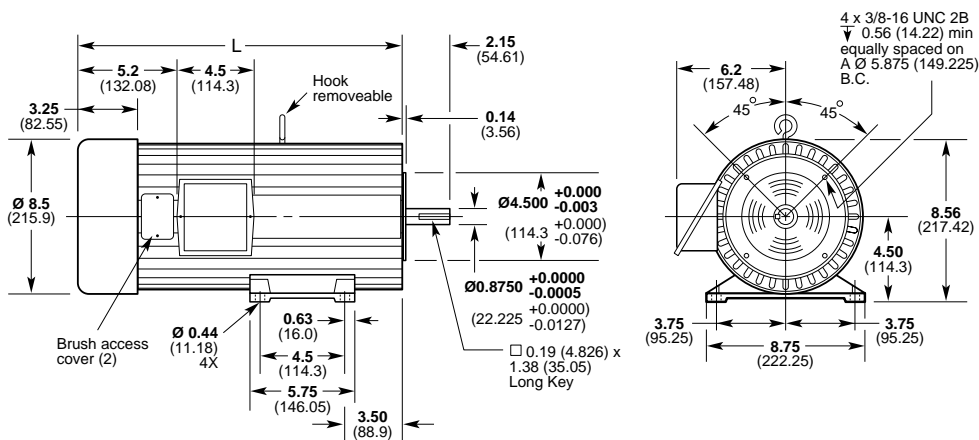
inches (mm)



**Drawing FF NEMA 56C TENV**



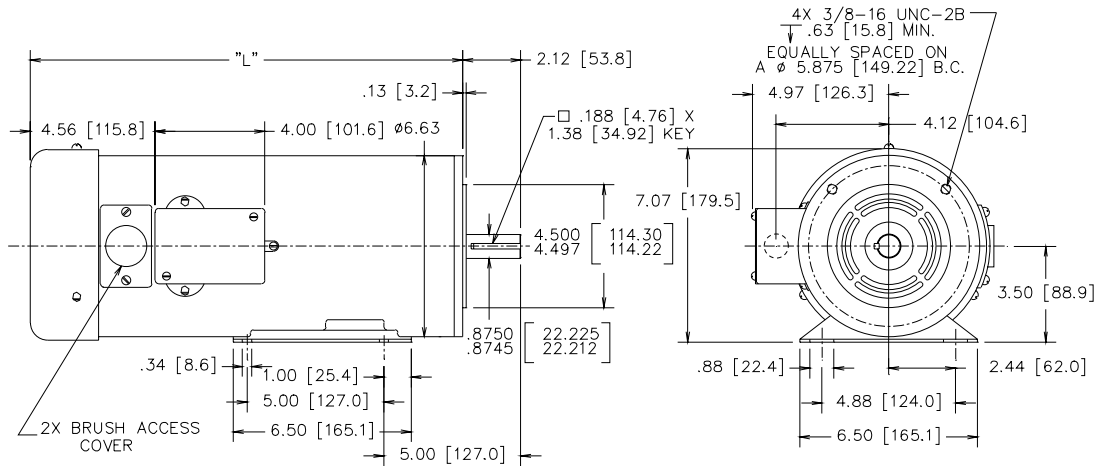
**Drawing GG NEMA 56BC TEFC**



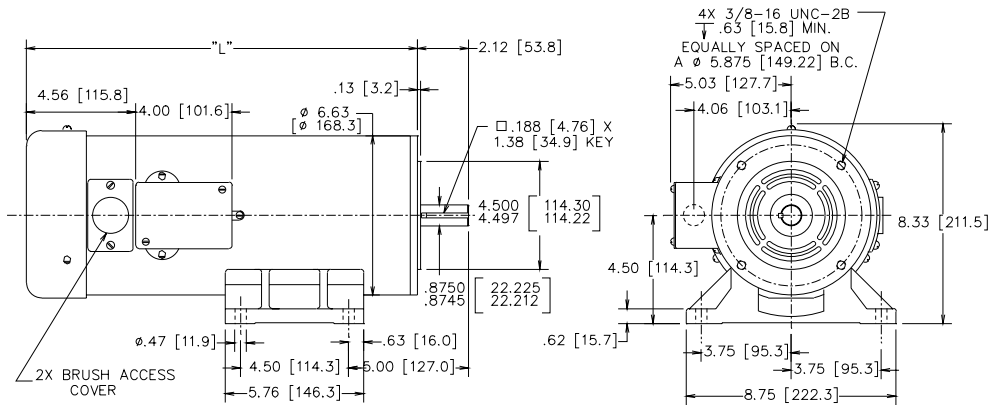
**Drawing HH NEMA 82BC (3HP) TEFC**

# Dimensions

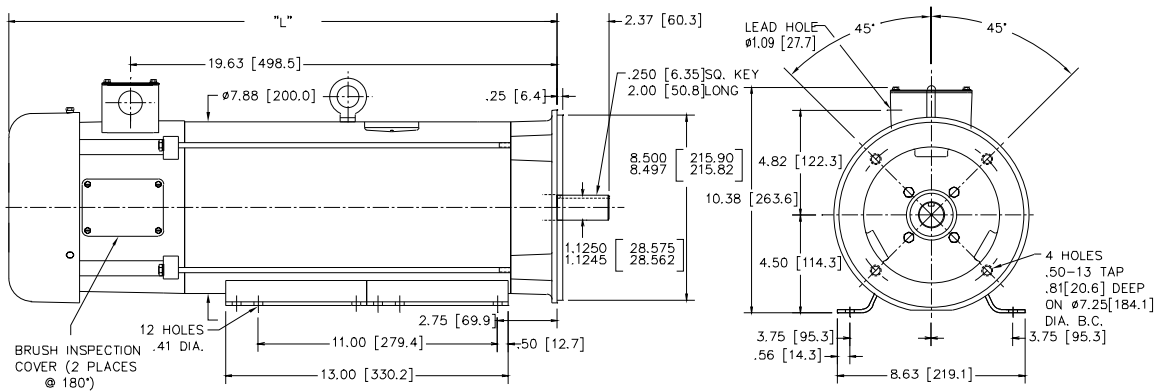
inches (mm)



**Drawing CC NEMA 45BC TEFC**



**Drawing DD NEMA 82BC (2HP) TEFC**



**Drawing EE NEMA 182TC (5HP) TEFC**