

Technical drawing of a 1/2 HP motor, showing side and front views with dimensions and surface finish specifications.

Side View Dimensions:

- Overall length: 6.50
- Distance from end to first knockout: 5.00
- Distance between knockouts: 3.00
- Distance from last knockout to end: 2.75 ± 0.09
- End flange diameter: Ø 7.65
- Knockout diameter: (3) Ø .88 KNOCKOUTS
- Motor body diameter: Ø 6.52
- Distance from end to centerline: 2.06
- Distance from centerline to keyway: 1.94
- Keyway depth: .12
- Keyway width: .07
- Keyway depth: 1.41 FULL DEPTH
- Key: .19 SQ. x 1.38 KEY
- Shaft diameter: Ø 4.500 / Ø 4.497
- Shaft surface finish: $\sqrt{.004}$ H
- End flange surface finish: $\sqrt{.004}$ H
- End flange hole diameter: Ø .6250 / Ø .6245
- End flange hole surface finish: $\sqrt{.002}$ G
- End flange hole position: $\sqrt{.004}$ H
- End flange hole diameter: Ø .6250 / Ø .6245
- End flange hole surface finish: $\sqrt{.002}$ G
- End flange hole position: $\sqrt{.004}$ H
- End flange hole diameter: Ø .6250 / Ø .6245
- End flange hole surface finish: $\sqrt{.002}$ G
- End flange hole position: $\sqrt{.004}$ H

Front View Dimensions:

- Overall diameter: 6.50
- Distance from centerline to mounting foot: 2.44
- Mounting foot width: 1.22
- Mounting foot height: .119
- Mounting foot diameter: Ø 5.875 B.C.
- Mounting foot hole diameter: Ø .6250 / Ø .6245
- Mounting foot hole position: $\sqrt{.004}$ H
- Mounting foot hole diameter: Ø .6250 / Ø .6245
- Mounting foot hole position: $\sqrt{.004}$ H
- Mounting foot hole diameter: Ø .6250 / Ø .6245
- Mounting foot hole position: $\sqrt{.004}$ H
- Mounting foot hole diameter: Ø .6250 / Ø .6245
- Mounting foot hole position: $\sqrt{.004}$ H
- Mounting foot hole diameter: Ø .6250 / Ø .6245
- Mounting foot hole position: $\sqrt{.004}$ H
- Mounting foot hole diameter: Ø .6250 / Ø .6245
- Mounting foot hole position: $\sqrt{.004}$ H

Surface Finish Specifications:

- End flange: $\sqrt{.004}$ H
- Shaft: $\sqrt{.004}$ H
- End flange hole: $\sqrt{.002}$ G
- Mounting foot: $\sqrt{.004}$ H
- Mounting foot hole: $\sqrt{.002}$ G

Notes:

- (2) Ø 1.13 KNOCKOUTS
- (3) Ø .88 KNOCKOUTS
- (4) 3/8-16 UNC-2B x .56 DP. ON A Ø 5.875 B.C.

Table:

DASH NO.	"C"	"AD"
700	12.48	4.13

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KMM 09/06/07
			DEC INCHES	CHK			
		X ±1		APPR			
		.XX ±0.03	TITLE OUTLINE - 56HC FRAME TEFC - RIGID "C" FACE	SCALE 3:8			
		.XXX ±0.005		REF 028511			
		.XXXX ±0.0005	MAT'L	FMF 114615.00			
NO	REVISION	BY & DATE	CHK ANG +1/2°	FINISH GENERAL PURPOSE	PAGE OF		
THIRD ANGLE PROJECTION			RFP	PREV	SIZE A	DRAWING NO 028795	REV
			NETWORK FILE NAME				