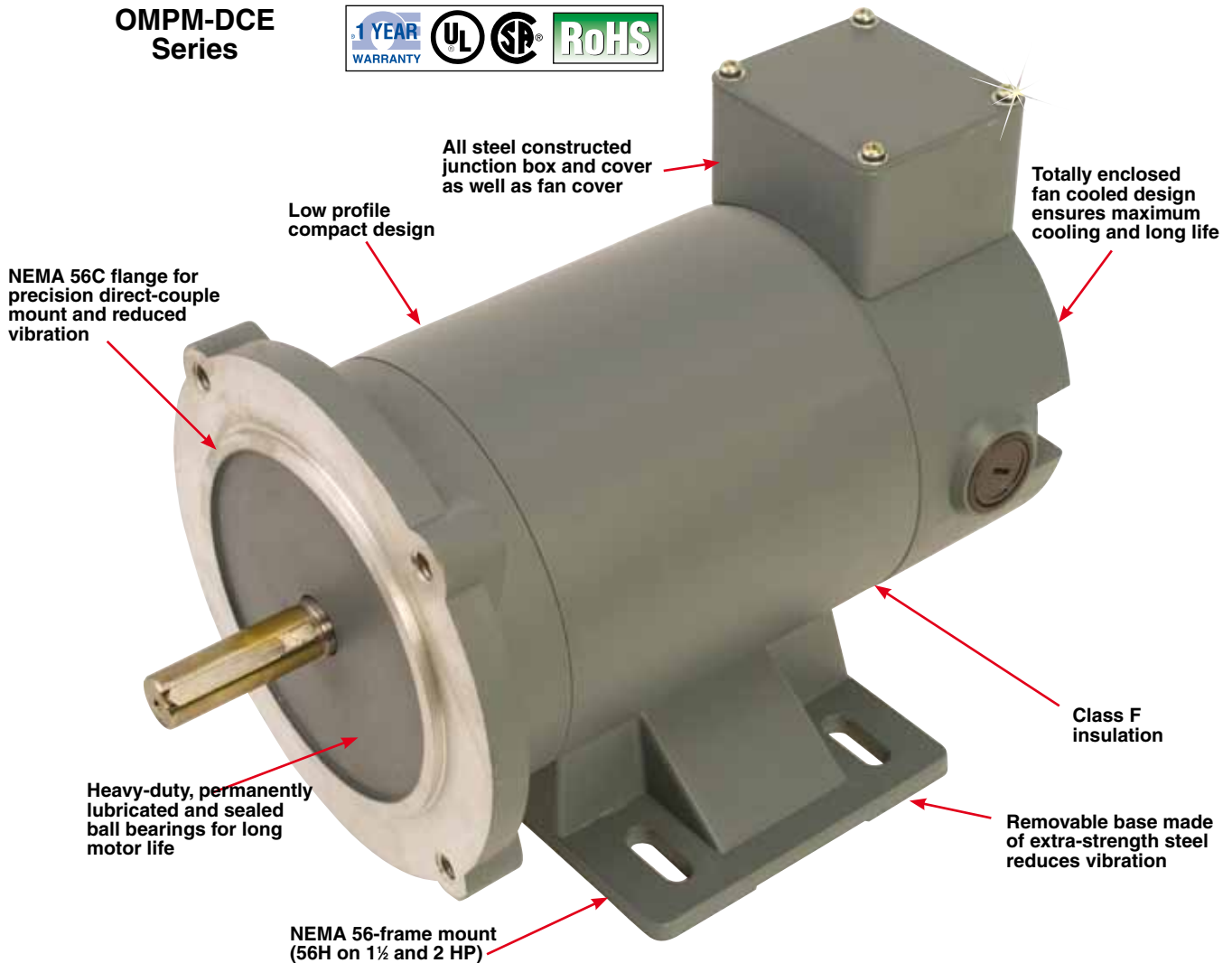


Permanent Magnet SCR Rated DC Motors

NEMA 56C Frame Encoder-Ready, ¼ to 2 HP

OMPM-DCE
Series



OMPM-DC14-18-90V-56C-E,
shown smaller than actual size.

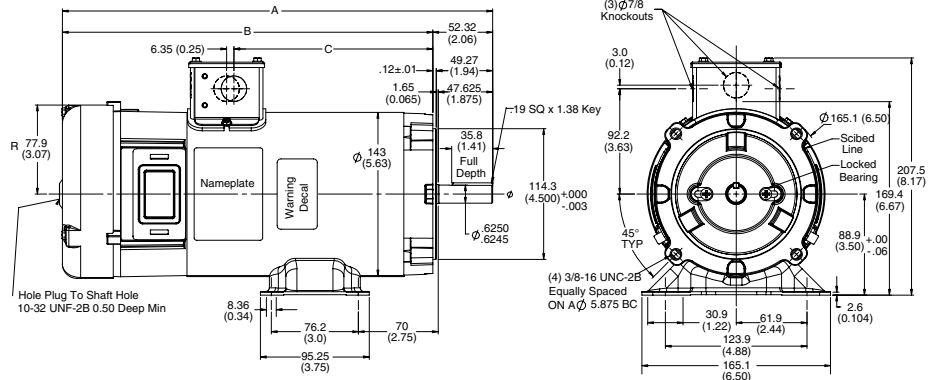
- ✓ NEMA 56C Frame Size
- ✓ ¼ to 2 HP, 1800 RPM
- ✓ 90 and 180 Control Voltage
- ✓ 20:1 Speed Range at Constant Torque
- ✓ High Starting Torque
- ✓ Permanently Lubricated Sealed Ball Bearings
- ✓ Removable Bolt-On/Bolt-Off base
- ✓ TEFC Enclosure (¾–2 HP)
- ✓ Class F Insulation
- ✓ 1.38 Service Factor
- ✓ Dynamic Breaking

OMPM-DCE Series Permanent Magnet DC Motors are design for long motor life with permanently lubricated ball bearings and are TEFC (totally enclosed fan cooled). The OMPM-DCE motors have provisions for mounting the OMDC-PU-E pick-up sensor directly on the fan end of the shaft. All OMPM-DCE motors are constructed from heavy duty gauge steel including frames, endbells, mounting bases, junction boxes and covers. The OMPM-DCE series DC motors are specifically design for use with SCR controllers where applications require torque throughout the application and speed range, as well as adjustable

Dimensions: mm (in)
 \varnothing = diameter

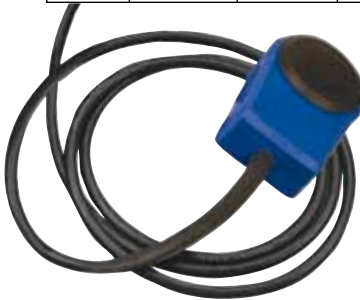
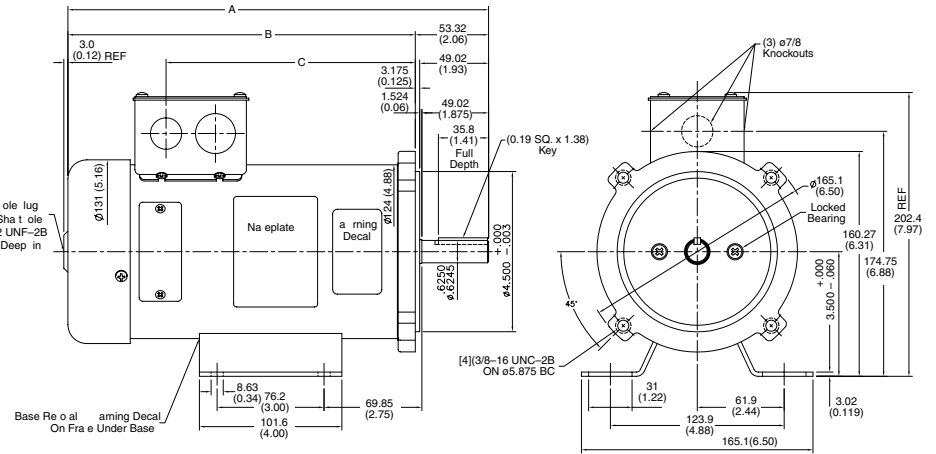
MOTOR LENGTH DIMENSIONS: mm (in)

HP	A	B	C
1	376.4 (14.82)	324.1 (12.76)	173.9 (6.85)
1½	427.2 (16.82)	374.9 (14.76)	224.79 (8.85)



MOTOR LENGTH DIMENSIONS: mm (in)

HP	A	B	C
¼	274.57 (10.81)	222.25 (8.75)	152.14 (5.99)
⅓	287.27 (11.31)	234.95 (9.25)	164.84 (6.49)
½	299.97 (11.81)	247.65 (9.75)	177.5 (6.99)
¾	363.22 (14.31)	311.15 (12.25)	241.06 (9.49)



OMDC-PU-2E, NPN pick-up sensor, shown smaller than actual size.

PICK-UP SENSORS

MODEL NO.	DESCRIPTION
OMDC-PU-2E	NPN pick-up sensor, 1 pulse per revolution
OMDC-PU-4E	NPN pick-up sensor, 2 pulse per revolution
OMDC-PU-20E	NPN pick-up sensor, 10 pulse per revolution
OMDC-PU-40E	NPN pick-up sensor, 20 pulse per revolution
OMDC-PU-20EQUAD	NPN quadrature pick-up sensor, 10 pulse per revolution

To Order

MODEL NO.	VOLTAGE	HP	RPM	ARM AMPS*	ENCLOSURE	WEIGHT	TORQUE** (ft lbs)
OMPMD14-18-90V-56C-E	90	¼	1750	2.5	TEFC	21	0.75
OMPMD13-18-90V-56C-E	90	⅓	1750	3.5	TEFC	21	1
OMPMD12-18-180V-56C-E	180	½	1750	2.5	TEFC	23	1.5
OMPMD12-18-90V-56C-E	90	½	1750	5	TEFC	23	1.5
OMPMD34-18-180V-56C-E	180	¾	1750	3.8	TEFC	31	2.25
OMPMD34-18-90V-56C-E	90	¾	1750	7.6	TEFC	31	2.25
OMPMD1-18-180V-56C-E	180	1	1750	5	TEFC	36	3
OMPMD1-18-90V-56C-E	90	1	1750	10	TEFC	36	3
OMPMD1.5-18-180V-56C-E	180	1½	1750	7.6	TEFC	47	4.5
OMPMD2-18-180V-145TC-E	180	2	1750	9.5	TEFC	75	6

* Armature Full Load Amps

** Torque rated at 1750 RPM (Torque = HP*5252/RPM)

Ordering Examples: OMPMD14-18-90V-56C-E, 90 Volt, ¼ HP, 1750 RPM DC encoder-ready motor with maximum of 2.5 Arm Amps, NEMA 56C frame and mounting base and OMDC-PU-2E pick-up sensor, \$315 + 114 = \$429.

OMPMD1-18-180V-56C-E, 180 Volt 1 HP 1750 RPM DC encoder-ready motor with maximum of 5 Arm Amps, NEMA 56C frame and mounting base and OMDC-PU-2E pick-up sensor, \$465 + 114 = \$579.