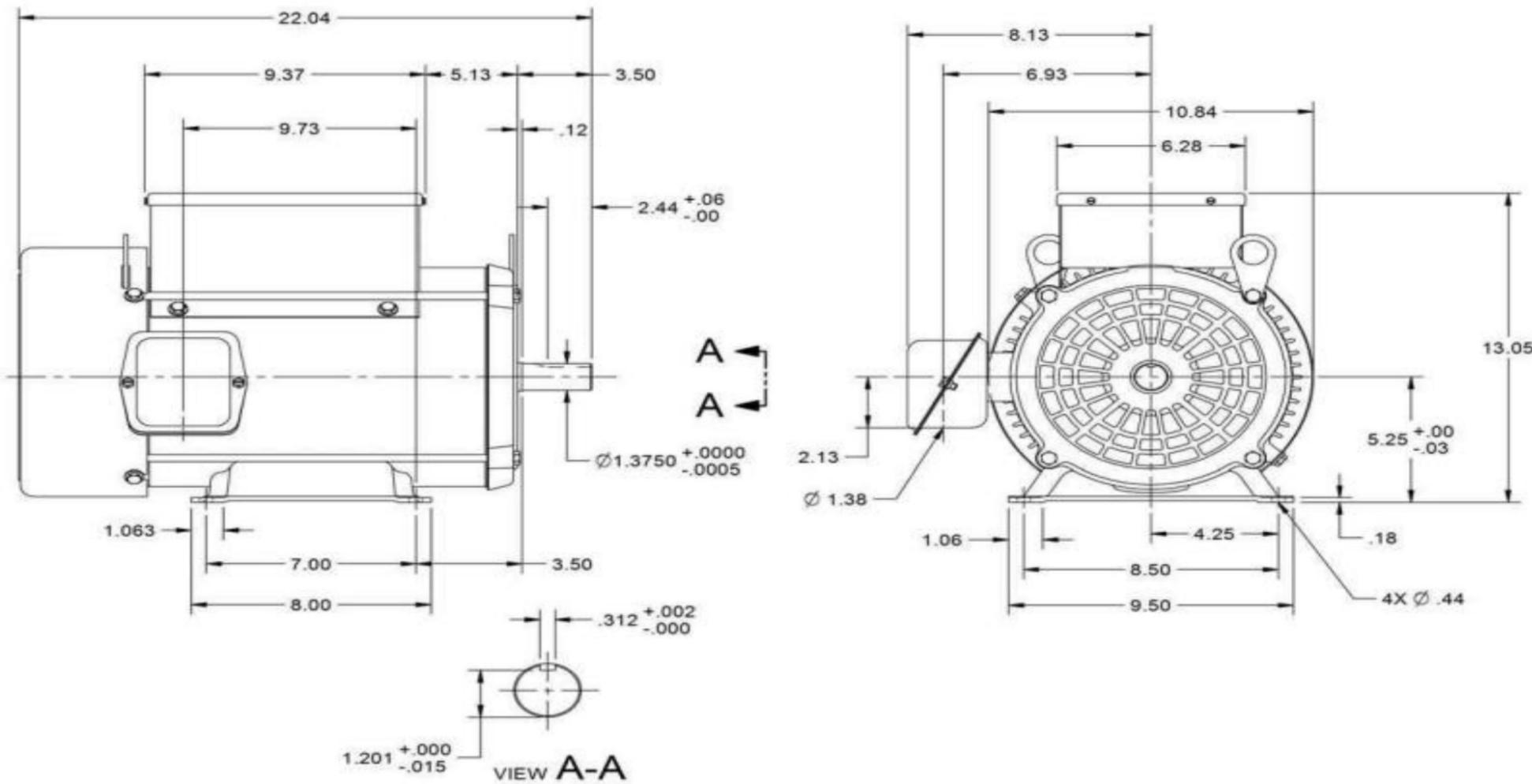


Dimensional Drawing



6K176BG	REV. -
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- NOTES: (UNLESS OTHERWISE SPECIFIED)
1. SQUARE KEY SHIPPED WITH MOTOR.
 2. GROUND SCREW LOCATED IN OUTLET BOX.
 3. ALL DIMENSIONS REFERENCE UNLESS OTHERWISE SPECIFIED BY TARGET DIMENSIONING.

FRAME	TYPE	HP	POLES	PH	HZ	SF	VOLTS	PROTECTOR
215T	SM	7.5	4	1	60	1.0	230	NONE

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	6K176BG	-

Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



6K176BG

REV.
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MOTOR PERFORMANCE

MODEL NO.	SKU NO.	PHASE	TYPE	FRAME
6K176BG	6K176BG	1	SM	215T

ORDER NO.	NA	LINE NO.

HP:	7.5
POLES:	4
HZ:	60
SERVICE FACTOR:	1.00
DUTY CYCLE:	CONTINUOUS
ALTITUDE (FASL) FT:	3300
MAX AMBIENT:	40 °C
ENCLOSURE:	TEFC
INSULATION CLASS:	F
VOLTS:	230
EFFICIENCY (%):	
S.F.	-
FULL	86.7
3/4	86.2
1/2	82.7
1/4	71.6
POWER FACTOR (%):	
S.F.	-
FULL	96.5
3/4	96.1
1/2	94.8
1/4	91.3
AMPS:	
S.F.	-
FULL	30.0
3/4	22.7
1/2	15.8
1/4	9.7
NO LOAD	3.8
LOCKED ROTOR AMPS:	200
NEMA CODE LETTER	G
NEMA DESIGN LETTER	L
FULL LOAD RPM	1745
THERMAL PROTECTION	-
TORQUES:	
BREAKDOWN{LB-FT}	56.3
LOCKED ROTOR{LB-FT}	46.5
PULL UP{LB-FT}	46.5
FULL LOAD{LB-FT}	22.8

NEMA Nominal and Guaranteed Efficiencies are up to 3,300 feet above sea level and 25 ° C ambient

The Above Data Is Typical, Sinewave Power Unless Noted Otherwise

DRAWING NO.	PAGE 1 of 1	REV.
6K176BG		-

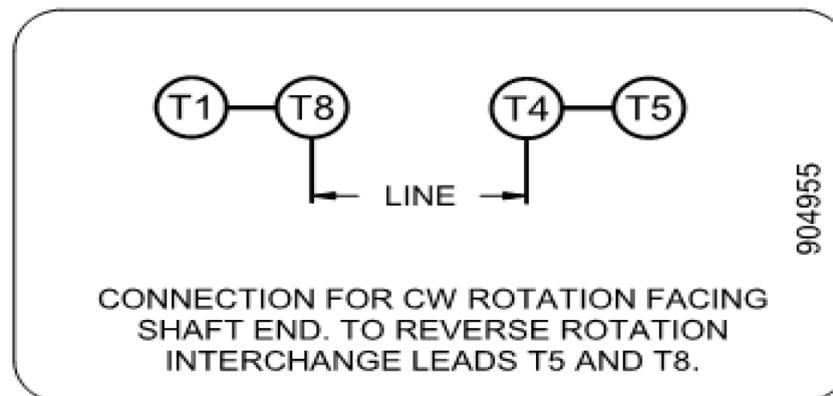
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6K176BG

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Motor Wiring Diagram

4 Lead, Single Phase, Single Voltage, CW Rotation



Connected for CW Rotation Facing Shaft End.
To reverse direction of rotation, interchange leads T5 & T8.

Each lead may have one or more cables comprising that lead.
In such case, cable will be marked with the appropriate lead number.

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6K176BG		0

 Dayton[®]Part
No. 6K176BGINDUSTRIAL
MOTORSHAFT
END BRG 6208-2Z-J/C3OPP
END BRG 6205-2Z-J/C3

FR 215T

TYPE SM

ENCL TEFC

PH 1 ^{MAX}
^{AMB} 40 °C ID#

INSUL CLASS F DUTY CONT WT 150 LB BAL

HP 7.5

RPM 1745

SF 1.0

HZ 60

VOLTS 230

MAX
KVARNEMA NOM
EFFICIENCY 86.7

AMPS 30.0

CODE G

DES L

SF AMPS

PF 96.5

GUARANTEED
EFFICIENCY

2041394-004 MADE IN MEXICO OF IMPORTED AND DOMESTIC COMPONENTS

Mfd. for Dayton Electric Mfg. Co.
Lake Forest, IL 60045 USA