



# Performance Data



**5K966BG**

REV.  
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## MOTOR PERFORMANCE

MODEL NO.	SKU NO.	PHASE	TYPE	FRAME
5K966BG	5K966BG	1	SM	182T

ORDER NO.	NA	LINE NO.
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HP:	2	2
POLES:	4	4
HZ:	60	60
SERVICE FACTOR:	1.00	1.00
DUTY CYCLE:	CONTINUOUS	CONTINUOUS
ALTITUDE (FASL) FT:	3300	3300
MAX AMBIENT:	40°C	40°C
ENCLOSURE:	TE	TE
INSULATION CLASS:	F	F
VOLTS:	115	230
EFFICIENCY (%):		
S.F.	-	-
FULL	77.9	77.9
3/4	76.7	76.7
1/2	72.0	72.0
1/4	60.2	60.2
POWER FACTOR (%):		
S.F.	-	-
FULL	76.3	76.3
3/4	68.6	68.6
1/2	56.4	56.4
1/4	40.3	40.3
AMPS:		
S.F.	-	-
FULL	23.6	11.8
3/4	18.4	9.2
1/2	15.6	7.8
1/4	13.8	6.9
NO LOAD	12.6	6.3
LOCKED ROTOR AMPS:	120	60
NEMA CODE LETTER	H	H
NEMA DESIGN LETTER	L	L
FULL LOAD RPM	1740	1740
THERMAL PROTECTION	-	-
TORQUES:		
BREAKDOWN{LB-FT}	16.0	16.0
LOCKED ROTOR{LB-FT}	20.0	20.0
PULL UP{LB-FT}	15.5	15.5
FULL LOAD{LB-FT}	5.84	5.84

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

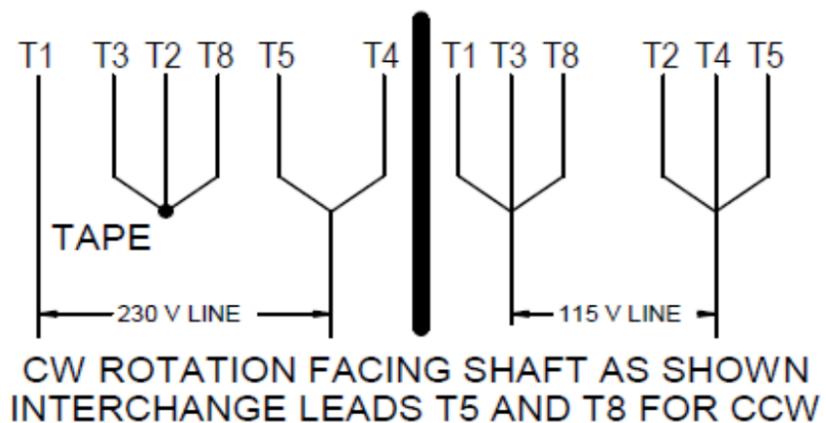
The Above Data Is Typical, Sinewave Power Unless Noted Otherwise

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

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**Motor Wiring Diagram**  
6 Lead, Single Phase, Dual Voltage



Connected for CW Rotation Facing Shaft End.  
To reverse direction of rotation, interchange leads 5 & 8.

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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**Dayton**<sup>®</sup>Part  
No.**5K966BG****INDUSTRIAL  
MOTOR**SHAFT  
END BRG **6206-2Z-J/C3**OPP  
END BRG **6205-2Z-J/C3**FR **182T**TYPE **SER**ENCL **TEFC**PH **1**    MAX  
AMB **40 °C** ID#INSUL  
CLASS **F**    DUTY **CONT**    WT **50 LB**    BAL

HP <b>2</b>	RPM <b>1740</b>	SF <b>1.0</b>	HZ <b>60</b>
VOLTS <b>115/230</b>		MAX KVAR	NEMA NOM EFFICIENCY <b>74.4</b>
AMPS <b>23.6/11.8</b>		CODE <b>H</b>	DES <b>L</b>
SF AMPS		PF <b>71.1</b>	GUARANTEED EFFICIENCY

2041394-004    MADE IN MEXICO OF IMPORTED AND DOMESTIC COMPONENTS

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