

1EJR4BG

REV.

-

MOTOR PERFORMANCE

MODEL NO.	CATALOG NO.	PHASE	TYPE	FRAME
1EJR4BG	NA	3	UTE	56NA

ORDER NO.	LINE NO.
24310	

MPI:	211555	211556	211557	211558	211559
HP:	0.5	0.5	0.5	0.5	0.5
POLES:	4	4	4	4	4
VOLTS:	460	230	208	380	190
HZ:	60	60	60	50	50
SERVICE FACTOR:	1.25	1.25	1.25	1.15	1.15
EFFICIENCY (%):					
S.F.	81	81	81.8	80.6	80.6
FULL	78.5	78.5	80	80.1	80.1
3/4	76.3	76.3	78.9	78.3	78.3
1/2	69.8	69.8	73.6	73.3	73.3
1/4	54.8	54.8	60.3	59.8	59.8
POWER FACTOR (%):					
S.F.	65.2	65.2	73.9	70.6	70.6
FULL	57.8	57.8	67.4	66	66
3/4	48.4	48.4	58.3	56	56
1/2	37.3	37.3	45.8	43.3	43.3
1/4	24.5	24.5	30.3	27.9	27.9
NO LOAD	10	10	11	10	10
LOCKED ROTOR	69.1	69.1	68	74	74
AMPS:					
S.F.	1.1	2.2	2.1	1.1	2.3
FULL	1	2.1	1.9	1.1	2.1
3/4	1	1.9	1.7	1	1.9
1/2	0.9	1.8	1.5	0.9	1.8
1/4	0.9	1.7	1.4	0.8	1.7
NO LOAD	0.9	1.8	1.4	0.9	1.7
LOCKED ROTOR	8.7	17.3	15.4	7.7	15.4
NEMA CODE LETTER	P	P	M	M	M
NEMA DESIGN LETTER	B	B	B	B	B
FULL LOAD RPM	1765	1765	1755	1455	1455
NEMA NOMINAL / EFFICIENCY (%)	78.5	78.5	80	80.1	80.1
GUARANTEED EFFICIENCY (%)	75.5	75.5	77	77	77
MAX KVAR	0.6	0.6	0.4	0.5	0.5
AMBIENT (°C)	40	40	40	40	40
ALTITUDE (FASL)	3300	3300	3300	3300	3300
SAFE STALL TIME-HOT (SEC)	22	22	28	28	28
SOUND PRESSURE (DBA @ 1M)	0	0	0	0	0
TORQUES:					
BREAKDOWN{% F.L.}	642	642	516	477	477
LOCKED ROTOR{% F.L.}	498	498	395	389	389
FULL LOAD{LB-FT}	1.5	1.5	1.5	1.8	1.8

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

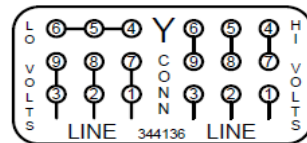
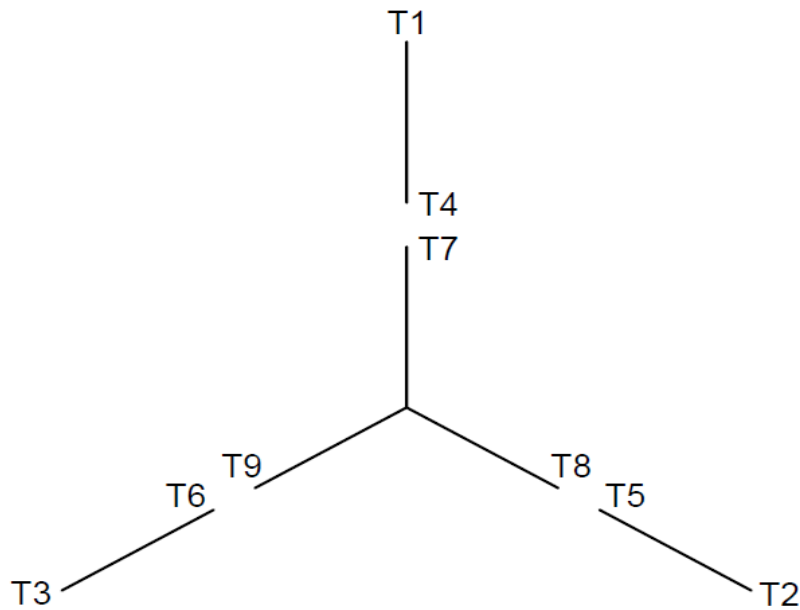
The Above Data Is Typical. Sinewave Power Unless Noted Otherwise

DRAWING NO.	PAGE 1 of 1	REV.
1EJR4BG		-

1EJR4BG

REV.
0

Motor Wiring Diagram
9 Lead, Dual Voltage (WYE Conn.)



To reverse direction of rotation, interchange leads L1 & L2.
 Each lead may have one or more cables comprising that lead.
 In such case, cable will be marked with the appropriate lead number.

DRAWING NO.	PAGE 1 of 1	REV.
1EJR4BG		0

Dayton[®]Part No. **1EJR4BG****FARM DUTY
MOTOR**

CC 030A

NEMA
Premium[™]SHAFT
END BRG **6205-2Z-J/C3**OPP
END BRG **6203-2Z-J/C3**FR **56**TYPE **UTE**ENCL **TEFC**PH **3** MAX
AMB **40 °C** ID#INSUL CLASS **F** DUTY **CONT** WT **30 LB** BALHZ **60** HP **.5** RPM **1765**HZ **50** HP **.5** RPM **1455**SF **1.25** DESIGN **B** CODE **P**SF **1.15** DESIGN **B** CODE **M**GUARANTEED
EFFICIENCY **75.5** MAX
KVAR **.6**GUARANTEED
EFFICIENCY **77.0** MAX
KVAR **.5**NEMA NOM
EFFICIENCY **78.5** NOM
PF **57.8**NEMA NOM
EFFICIENCY **80.1** NOM
PF **66.0**VOLTS **208-230/460**VOLTS **190/380**FL AMPS **1.9-2.1/1.0**FL AMPS **2.1/1.1**SF AMPS **2.2/1.1**SF AMPS **2.3/1.1**

2062776-007 MADE IN MEXICO OF IMPORTED AND DOMESTIC COMPONENTS

Mfd. for Dayton Electric Mfg. Co.
Lake Forest, IL 60045 USAENERGY
RU[®]
C US
E47479**SP**[®]
258525