

# PRODUCT INFORMATION PACKET



Model No: 111962.00

Catalog No: 111962.00

Definite Purpose Motor, 1.50 & 0.67 HP, 3 Ph, 60 & 60 Hz, 230 & 208-230 V, 1800 & 1800 RPM,  
56H Frame, DP

**Operational at 208-230 V @60HZ**



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



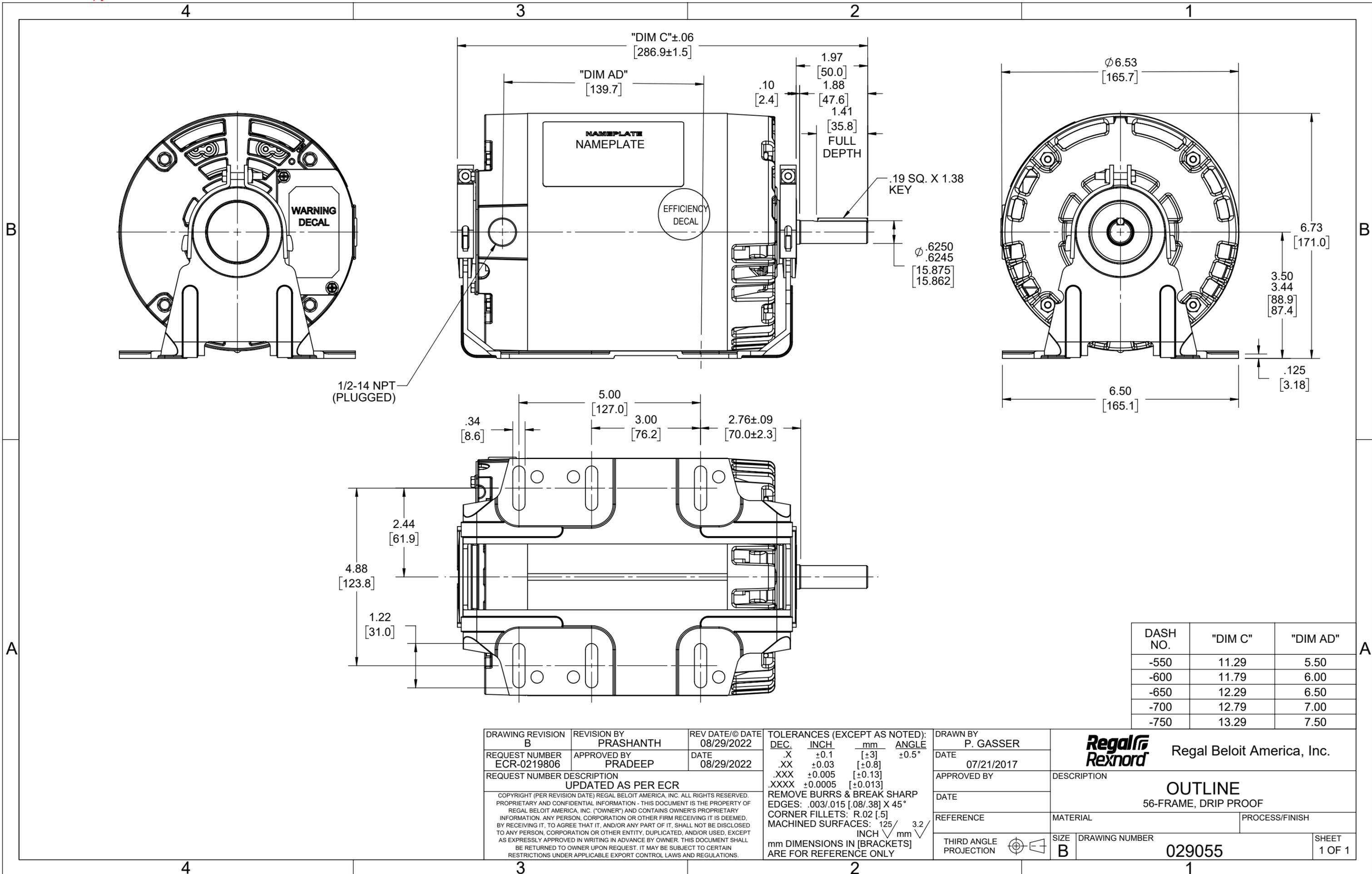


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>1.50 &amp; 0.67 Hp</b>
Output KW	<b>1.1 &amp; 0.50 kW</b>	Voltage	<b>230 &amp; 208-230 V</b>
Speed	<b>1725 &amp; 1140 rpm</b>	Service Factor	<b>1.0 &amp; 1.0</b>
Frame	<b>56H</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>79.2 &amp; 72.6 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 60 Hz</b>
Current	<b>5 &amp; 2.6 A</b>	Power Factor	<b>70.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>NO DESIGN CODE</b>	KVA Code	<b>K</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>22</b>
Number of Speeds	<b>1</b>		

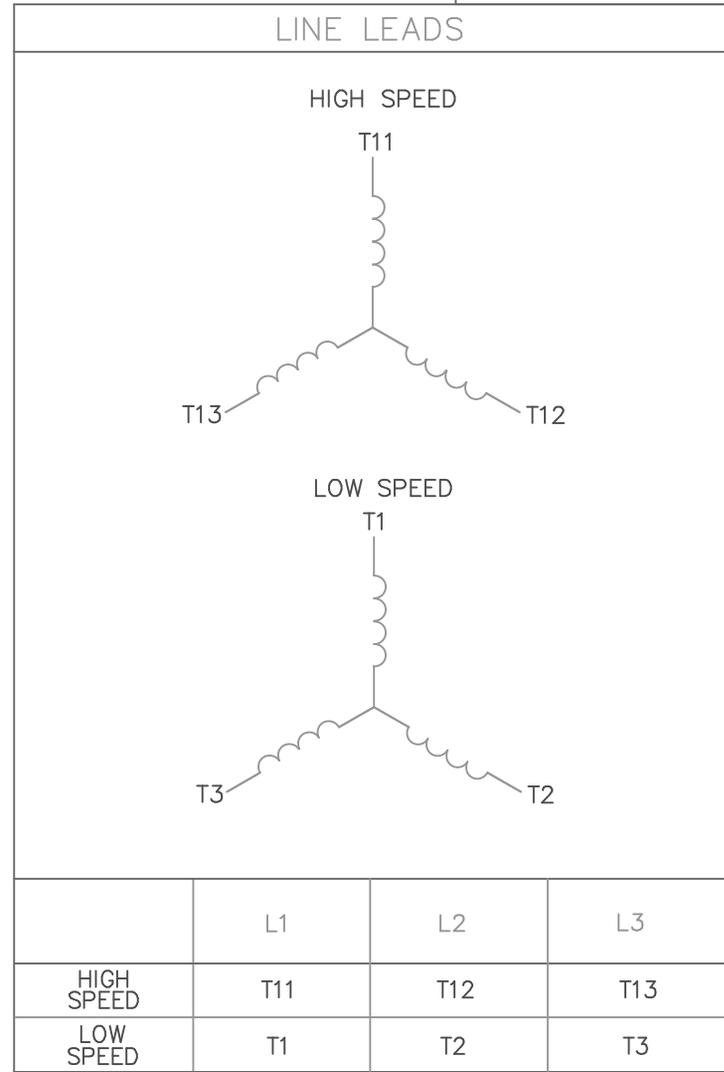
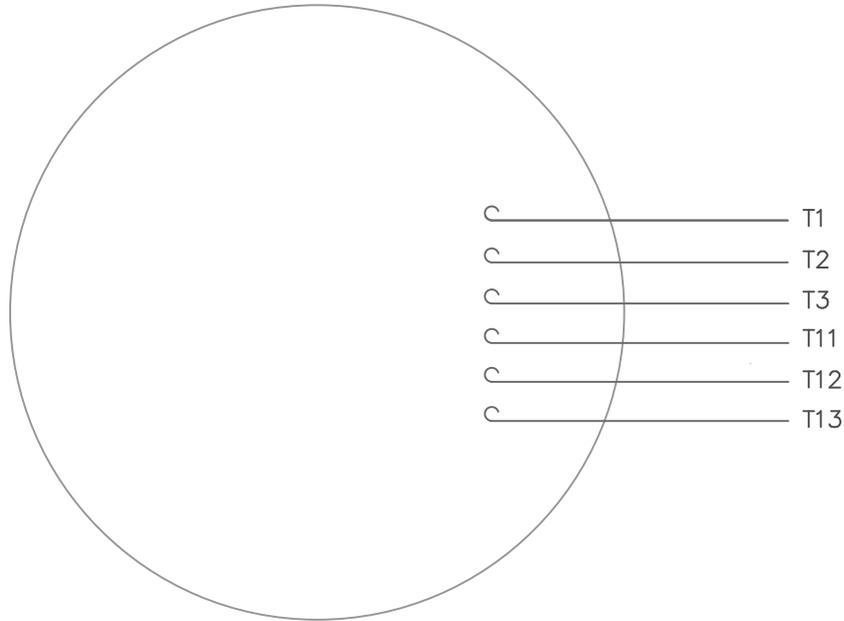
### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>3.86 Ohms</b>	Mounting	<b>Resilient Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>13.32 in</b>
Frame Length	<b>7.50 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>029055-750</b>	Connection Drawing	<b>005046.01</b>



DRAWING REVISION B	REVISION BY PRASHANTH	REV DATE/© DATE 08/29/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DRAWN BY P. GASSER	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0219806	APPROVED BY PRADEEP	DATE 08/29/2022		DATE 07/21/2017	
REQUEST NUMBER DESCRIPTION UPDATED AS PER ECR			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/3.2 INCH/mm	APPROVED BY	DESCRIPTION OUTLINE 56-FRAME, DRIP PROOF
COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	REFERENCE	MATERIAL PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 029055
					SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				TOLERANCES UNLESS OTHERWISE SPECIFIED		<b>LEESON</b> ELECTRIC CORPORATION					
				DECIMALS				EXTERNAL WIRING DIAGRAM			
				.00	± .01	DRAWN JRW 07/26/74		TYPE "T" W/O PROTECTOR			
				.000	± .005	CH'K'D. WRK 08/05/74		DECAL - 004040			
3	REDRAWN ON CAD		DBT	06/30/97	.0000	± .0005	APPR. TEM 08/05/74		2WDG./2 SPEED 1Y-1Y		
NO.	REVISION		BY	DATE	FRACTIONS	± 1/64	SCALE 1=1		DRAWING NO.		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED					ANGLES	± 1/2°	REF. WT6364		FINISH	SIZE	005046-01
					INCH/MM		FMF 7464D13		A		



1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005046.01  
OUTLINE: 029055-750  
WINDING #: T63(4-6)22 DR 1 A

CATALOG #: 111962.00  
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&2/3	1.12&0.50	1200	1725&1140	56H	DP	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/60	208-230&208-230	5&2.6	ACROSS THE LINE	CONTINUOUS	B4	1.0/1.0	40

FULL LOAD EFF:	79.2&72.6	3/4 LOAD EFF:	70.4	1/2 LOAD EFF:	132.4	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	70.5&62.8	3/4 LOAD PF:	54.2	1/2 LOAD PF:	42.7	74.8		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3.025 LB-FT	12	5.05 LB-FT 166 %	8.09 LB-FT 267 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.14 LB-FT^2	- LB-FT^2	10 SEC.	0	43 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

\*  
N  
O  
T  
E  
S  
\*

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz



**1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810**

**CERTIFICATION DATA SHEET**

**CUSTOMER:**  
**ORDER #:**  
**CONN. DIAGRAM:** 005046.01  
**OUTLINE:** 029055-750  
**WINDING #:** T63(4-6)22 DR 1 A

**CUSTOMER PO#:**  
**CATALOG #:**  
**CUSTOMER PART #:**  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&2/3	1.12&0.50	1800	1725&1140	56H	DP	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/60	208-230&208-230	5&2.6	ACROSS THE LINE	CONTINUOUS	B4	1.0/1.0	40

FULL LOAD EFF:	79.2&72.6	3/4 LOAD EFF:	77.3	1/2 LOAD EFF:	73.1	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	70.5&62.8	3/4 LOAD PF:	61.8	1/2 LOAD PF:	48.6	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.46 LB-FT	-	- LB-FT - %	- LB-FT - %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.14 LB-FT^2	- LB-FT^2	10 SEC.	-	0 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	VERIFY	VERIFY	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

* N O T E S *	<b>INVERTER TORQUE:</b> NONE
	<b>INV. HP SPEED RANGE:</b> NONE
	<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
	<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

**PREPARED BY:** Dinesh  
Suddula **DATE:**  
03/28/2019 03:43:07 AM  
FORM 3531 REV.3 02/07/99  
\*\* Subject to change without  
notice.



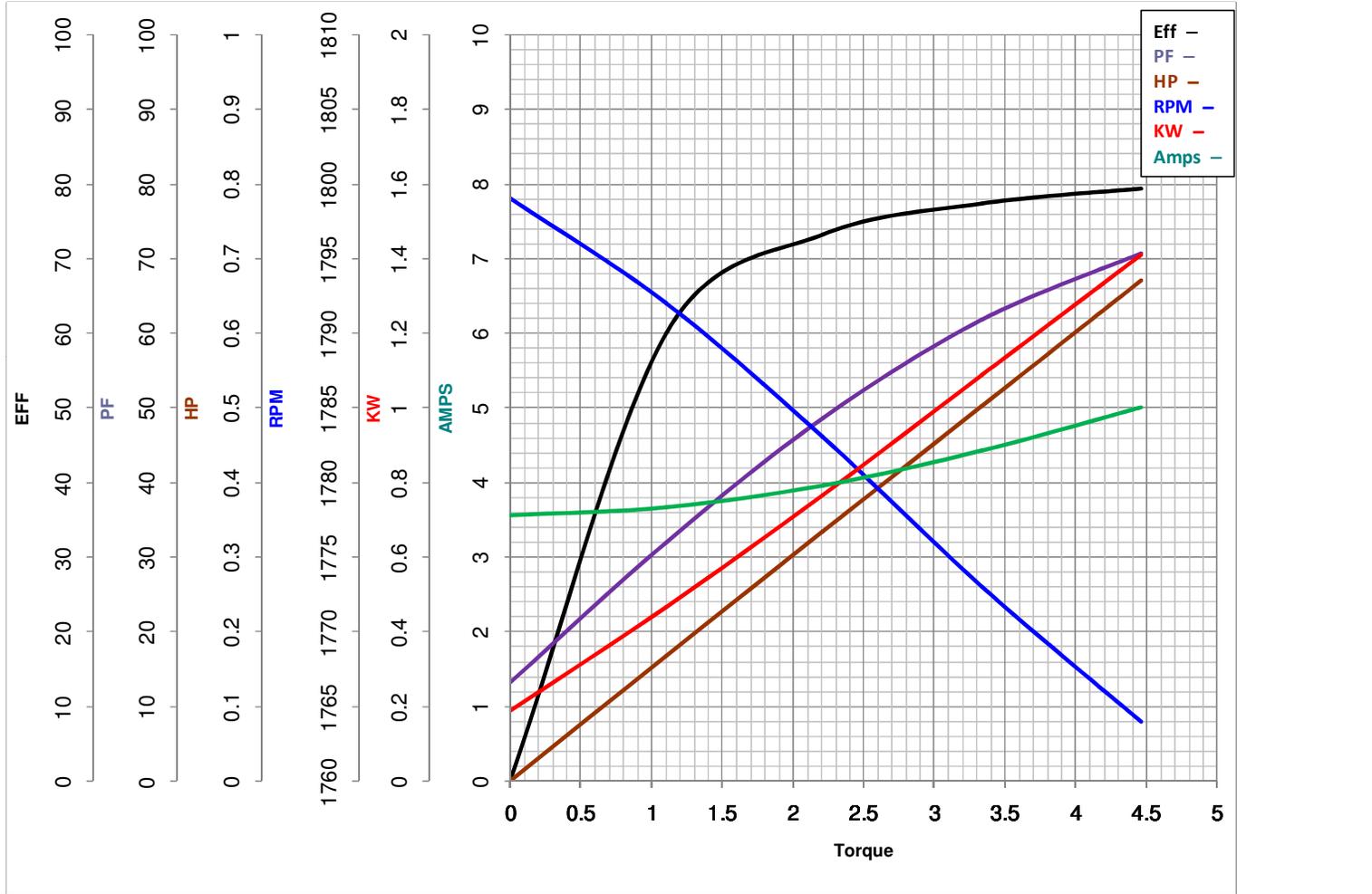
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 111962

Curve at 230 Volts HP 1.50&0.66 PHASE 3  
60 HZ  
0.67 HP VOLTS 208-230&208-230

Catalog No 111962

HZ 60&60 RPM 1725&1140



FL TORQUE	<u>4.46</u>	LB-Ft	FL AMPS	<u>5</u>
BD TORQUE	<u>8.1</u>	LB-Ft	PU TORQUE	<u>5.0</u> LB-Ft
LR TORQUE	<u>5.05</u>	LB-Ft	LR AMPS	<u>12</u>
WINDING	<u>T63(4-6)22-</u>		Date	<u>4/1/2019</u>