

PRODUCT INFORMATION PACKET



Model No: 116185.00

Catalog No: 116185.00

Explosion Proof Motor, 1 HP, 1 Ph, 60 Hz, 115/208-230 V, 3600 RPM, 56J Frame, EPFC



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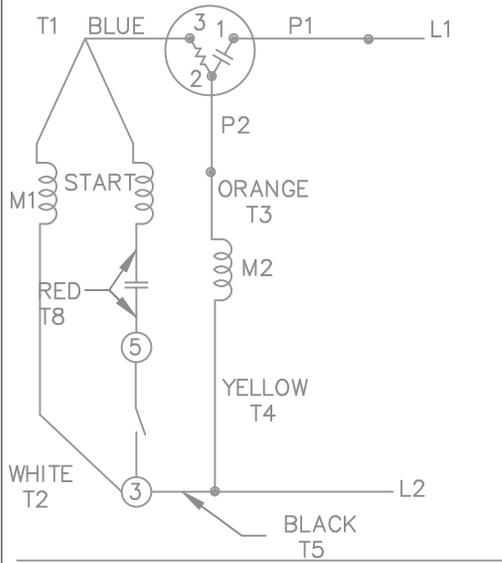


Nameplate Specifications

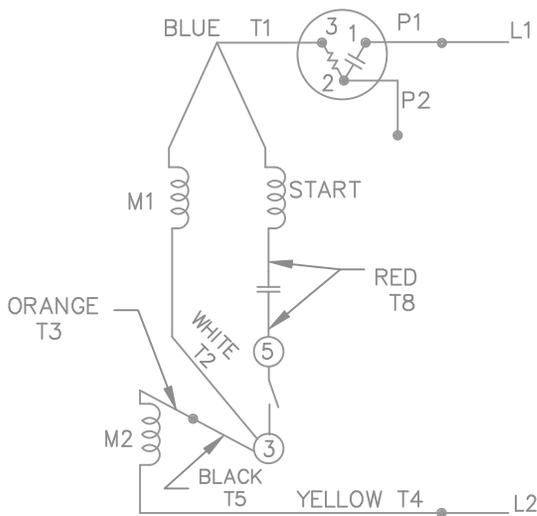
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	12.4/6.7-6.2 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	72 %	Power Factor	76
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	K
Frame	56J	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C	Number of Speeds	1

Technical Specifications

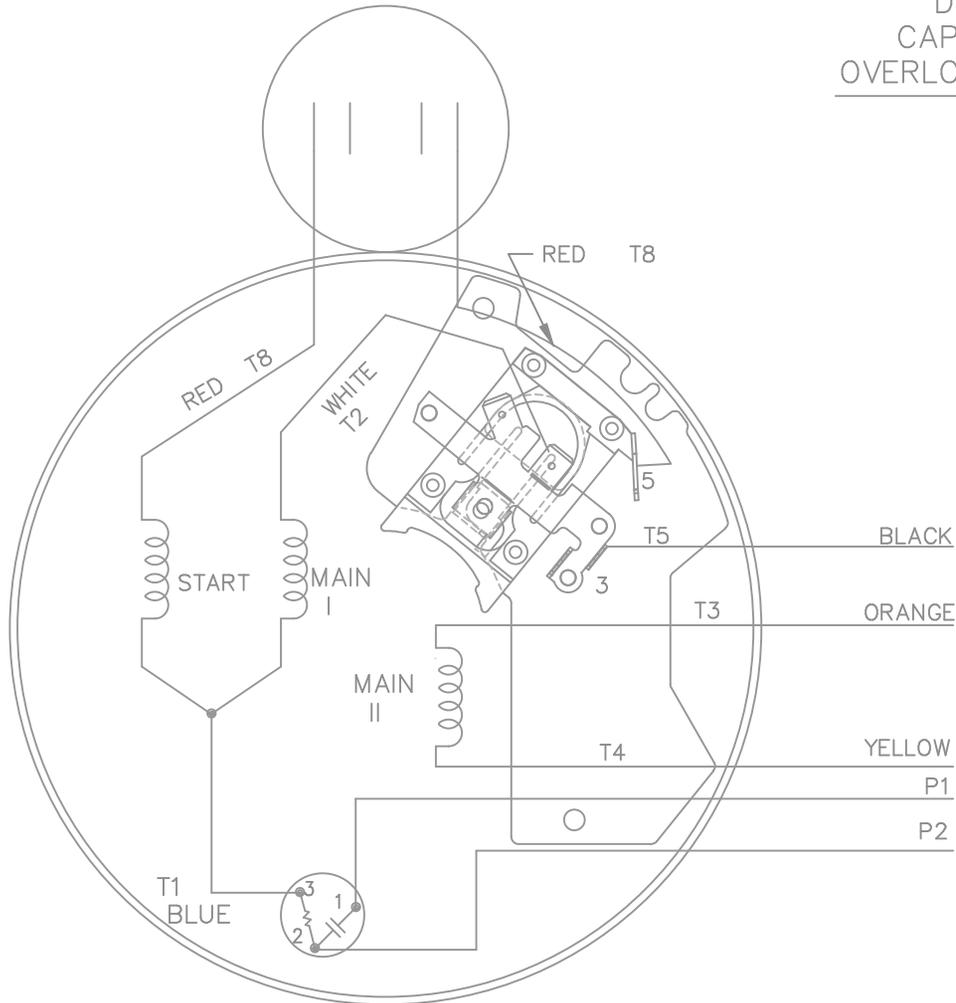
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Fixed Clockwise
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	J	Overall Length	14.95 in
Frame Length	7.31 in	Shaft Diameter	0.625 in
Shaft Extension	2.44 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-104213LE-731	Connection Drawing	A-102005-66-LE



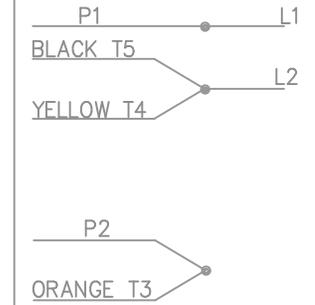
HIGH VOLTAGE - C.W.



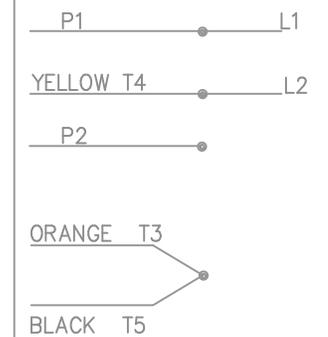
DUAL VOLTAGE
CAPACITOR START
OVERLOAD - C.W. FIXED



LOW VOLT. - C.W. ROT.



HIGH VOLT. - C.W. ROT.



TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.02

.XXX ±.005

.XXXX ±.0005

CHK ANG ±7'30"

RFP

DIST WP



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

TITLE CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE 102005-66-LE

SIZE

A

DRAWING NO. PAGE OF

102005-66-LE 1

REV.

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-102005-66-LE

CATALOG #: 116185.00

OUTLINE: B-104213LE-731

MOUNTING: F1 ONLY

WINDING #: ZC223 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	3600	3450	56J	EPFC	K	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	12.4/6.7-6.2	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70.1	1/2 LOAD EFF:	65.4	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	76	3/4 LOAD PF:	75.1	1/2 LOAD PF:	66.8	68		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
23.8 OZ-FT	73.8 / 36.9	75.4 OZ-FT 0 %	62.8 OZ-FT 0 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	36 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	EXP PROOF CL I GR C&D CL II GR F&G T3C	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JET PUMP	NONE	NONE	416 STAINLESS (C-503)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
O
T
E

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE HZ



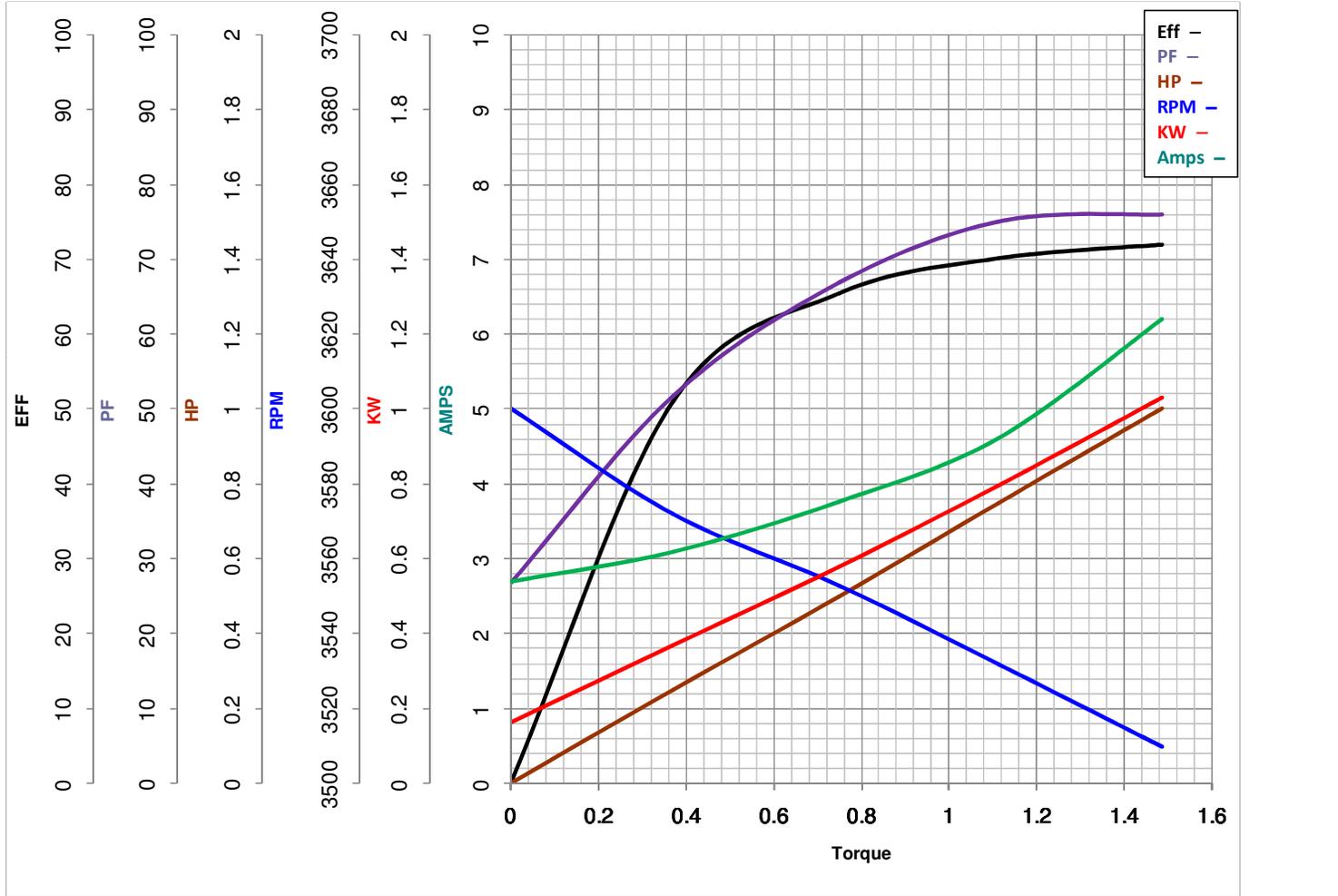
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 116185.00

Catalog No 116185.00

Curve at 230 Volts HP 1.00 PHASE 1
60 HZ
1 HP VOLTS 115/208-230

HZ 60 RPM 3450



Torque in Lb.Ft

FL TORQUE 1.488 Lb.Ft
 BD TORQUE 3.9 Lb.Ft
 LR TORQUE 4.713 Lb.Ft

FL AMPS 12.4/6.7-6.2
 PU TORQUE 3.5 Lb.Ft
 LR AMPS 36.9

WINDING ZC223-3

Date 4/19/2018