

PRODUCT INFORMATION PACKET



Model No: 103722.00

Catalog No: 103722.00

Pedestal Fan Motor, 0.50 HP, 1 Ph, 60 Hz, 115 V, 1200 RPM, 48YZ Frame, TEAO



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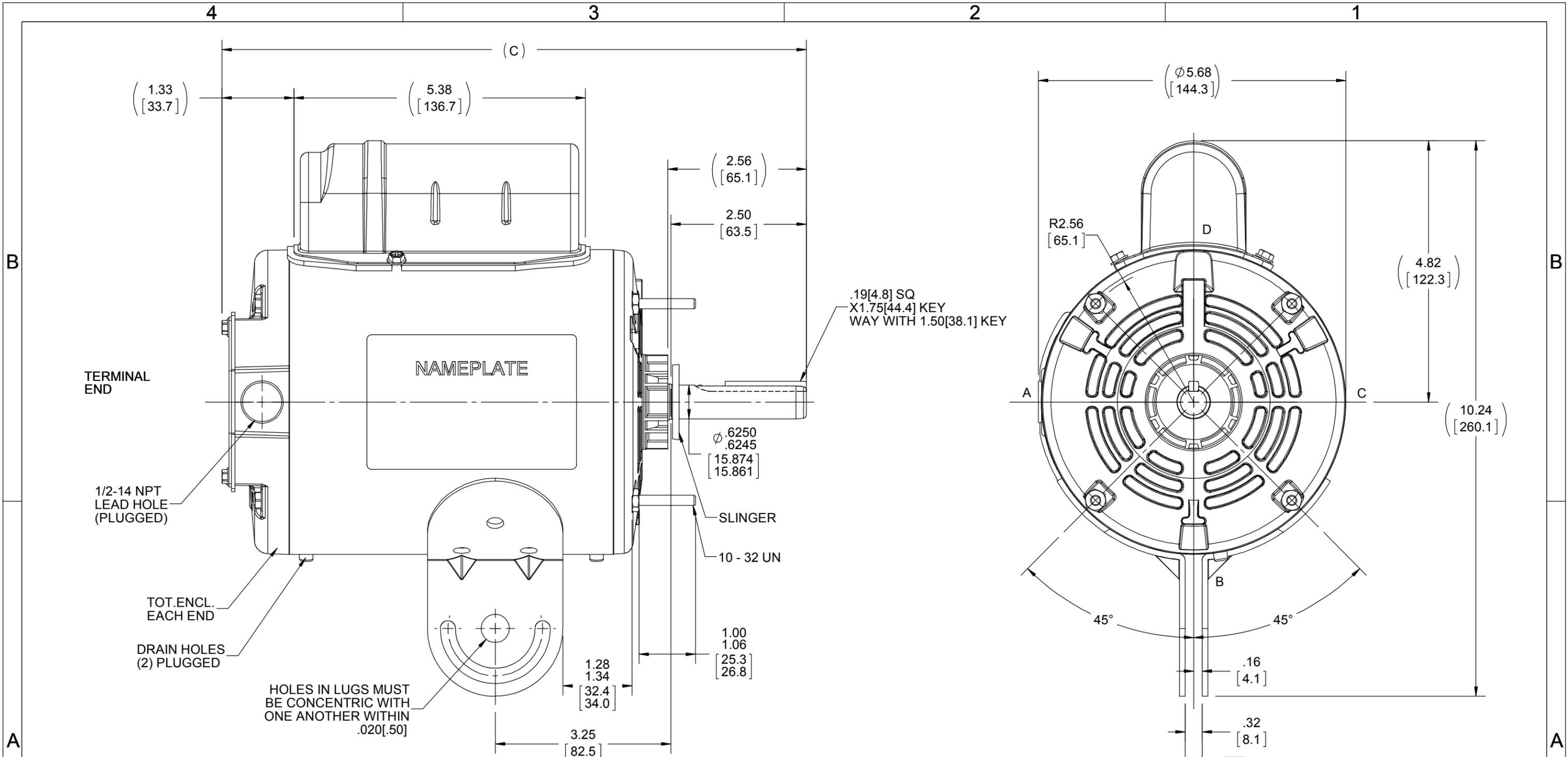


Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115 V
Current	5.7 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	64 %	Power Factor	94.5
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	C
Frame	48YZ	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round - Swing Arm
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	11.06 in
Frame Length	6.25 in	Shaft Diameter	0.625 in
Shaft Extension	2.56 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS403995LE-625	Connection Drawing	005532-01



NOTE:-
 1) TOTALLY ENCLOSED MOTOR.
 2) FULLY GASKETED.
 3) NAMEPLATE LOC. @ 'A' READ FROM TERM. END.

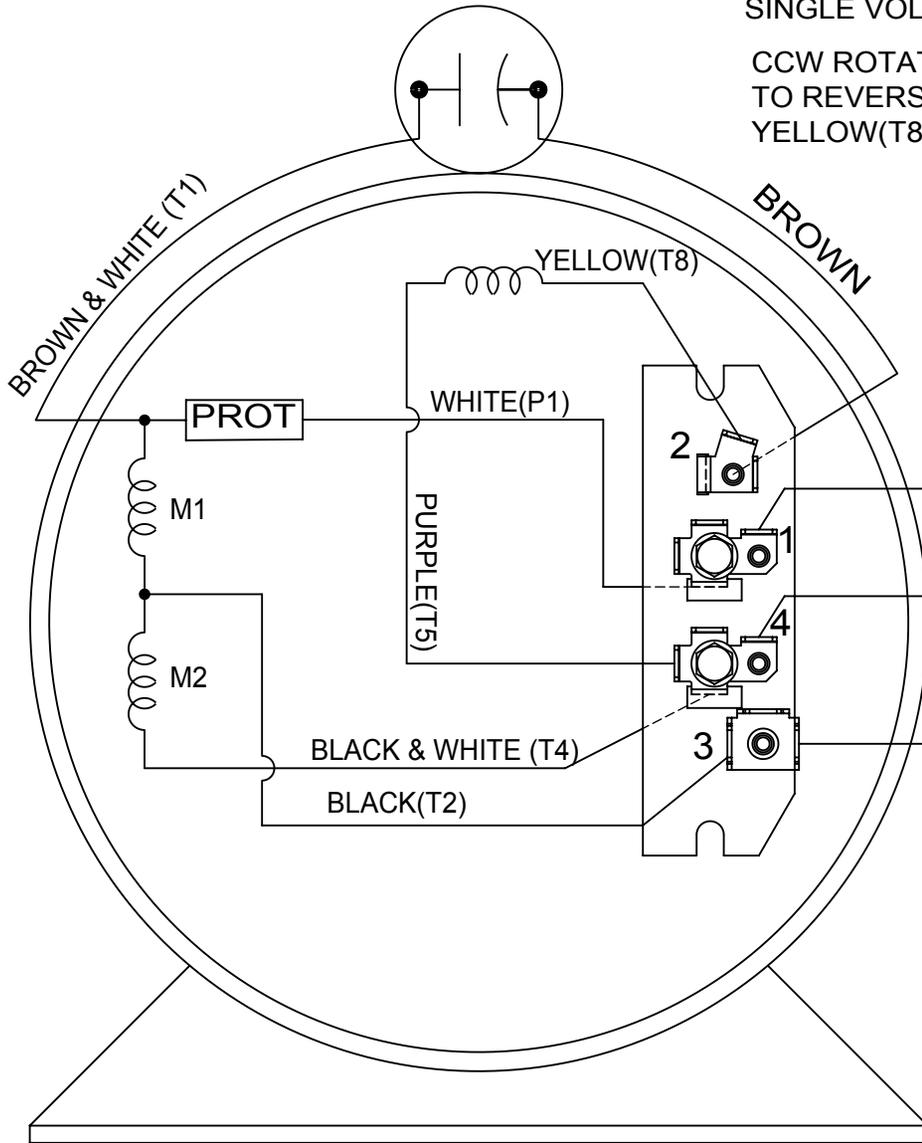
DASH	C
525	10.12[257.04]
550	10.37[263.39]
600	10.87[276.09]
625	11.12[282.44]

DRAWING REVISION	REVISION BY	REV DATE/© DATE	TOLERANCES (EXCEPT AS NOTED):	DRAWN BY	REGAL® Regal Beloit America, Inc.
D	I. RAMDAS	12/20/2018	DEC. INCH mm ANGLE	SVL	
ECO	APPROVED BY	DATE	.X ±0.1 [±3] ±7° 30"	DATE	DESCRIPTION
ECO-0165863	D SURYAWANSHI	04/22/2019	.XX ±0.02 [±0.5]	1-11-2012	
ECO DESCRIPTION			.XXX ±0.005 [±0.13]	APPROVED BY	OUTLINE
OUTLINE CONVERSION PROJECT			.XXXX ±0.0005 [±0.013]	SVL	
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			CORNER FILLETS: R.02 [.5]	1-11-2012	MATERIAL
			MACHINED SURFACES: 200 INCH/mm 5.1	REFERENCE	
			mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	SS403994LE	SS403995LE
				THIRD ANGLE PROJECTION	DRAWING NUMBER
					1 OF 1

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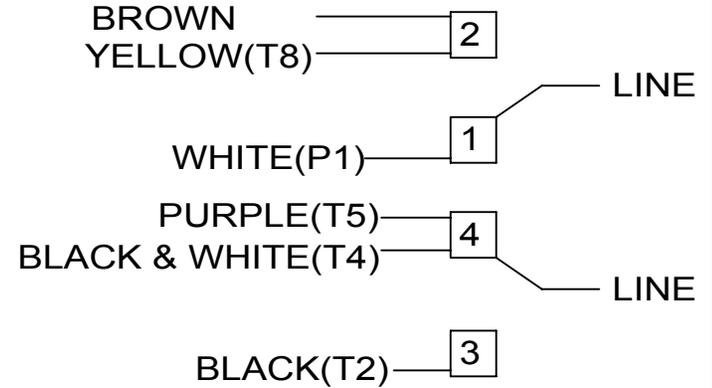
SINGLE VOLTAGE DUAL SPEED

CCW ROTATION, LEAD END, SHOWN
TO REVERSE INTERCHANGE
YELLOW(T8) AND PURPLE(T5) LEADS.

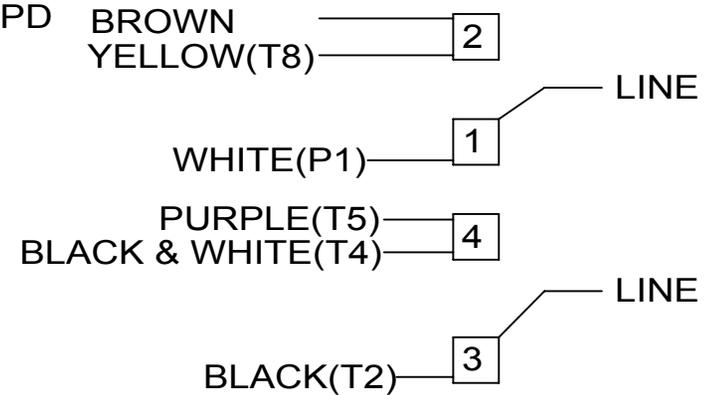


VIEW OF TERMINAL END

LOW SPEED



HIGH SPEED



NOTE: USE T & P MARKINGS WHEN CALLED IN BOM

DRAWING REVISION E	REVISION BY PST	DATE 06/09/2014	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY VJB	Regal Beloit America, Inc.
ECO ECO-0053118	APPROVED BY SKM	DATE 06/09/2014	DEC.	INCH	mm	
ECO DESCRIPTION ADDED T & P MARKINGS			.X	±0.1	[±2.5]	±0.5°
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			.XXX	±0.005	[±0.127]	
			.XXXX	±0.0005	[±0.0127]	
			REMOVE BURRS & BREAK SHARP			
			EDGES: .003/.015 [.076/.381]			
			CORNER FILLETS: .02 [.51]			
			MACHINED SURFACES: 125/ mm 3.2/ INCH			
			mm SHOWN IN [BRACKETS]			
			THIRD ANGLE PROJECTION			SIZE A
			REFERENCE		MATERIAL	PROCESS/FINISH
			DATE 01/16/13		DESCRIPTION CONN DIAGRAM-EXTERNAL C TYPE WITH PROTECTOR	
			APPROVED BY		DRAWING NUMBER 00553201	
			DATE		SHEET 1 OF 1	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-005532-01

CATALOG #: 103722.00

OUTLINE: A-SS403995LE-625

MOUNTING: F1 ONLY

WINDING #: PE4861981 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1200	1075	48Y	TEAO	C	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115	5.7	ACROSS THE LINE	CONTINUOUS	B3	1.0	40

FULL LOAD EFF:	64	3/4 LOAD EFF:	-	1/2 LOAD EFF:	-	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	94.5	3/4 LOAD PF:	-	1/2 LOAD PF:	-	59.5	PSC 1 SPEED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
18.8 OZ-FT	8.2	9.3 OZ-FT 0 %	32.2 OZ-FT 0 %	0

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	35 LBS.

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

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL 6203	BALL 6203	MULTEMP SRL	SGL SPL EXT	0.625 x 2.50 IN SEK	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUT LCK RTR ONLY	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



PHASE 1

HP 0.50

Volts 115

HZ 60

HP 0.5

RPM 1075

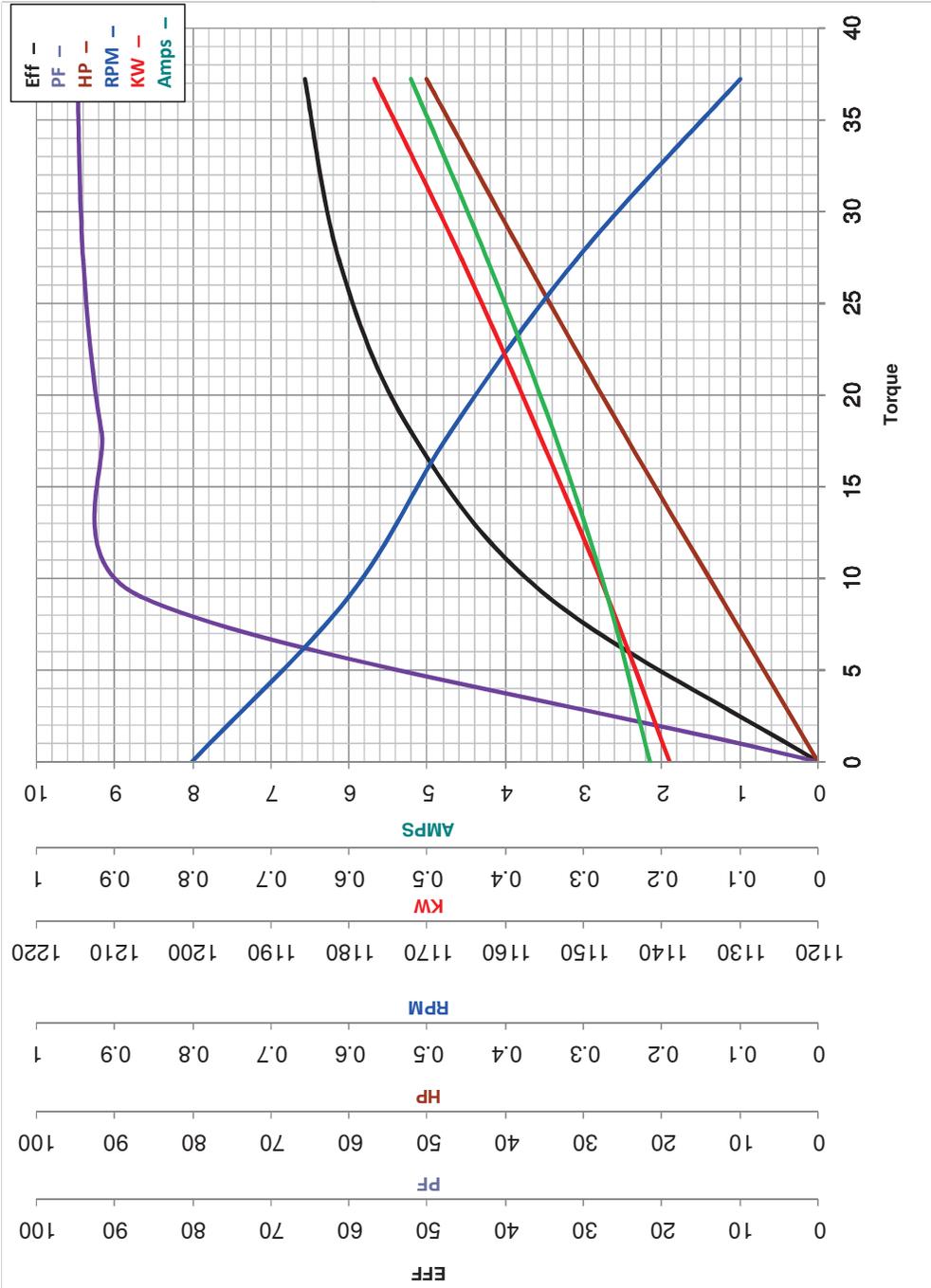
HZ 60

VOLTS 115

HP 0.5

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FL TORQUE		<u>37.2</u>	Oz.Ft	FL AMPS	<u>5.7</u>	
BD TORQUE		<u>66.6</u>	Oz.Ft	PU TORQUE	<u>15.0</u>	Oz.Ft
LR TORQUE		<u>0</u>	Oz.Ft	LR AMPS	<u>17</u>	
WINDING		PE4861981-1		Date	<u>4/23/2018</u>	