

PRODUCT INFORMATION PACKET



Model No: 048S17D2105

Catalog No: S127

General Purpose Motor, 0.33 HP, 1 Ph, 60 Hz, 115 V, 1800 RPM, 48Y Frame, DP



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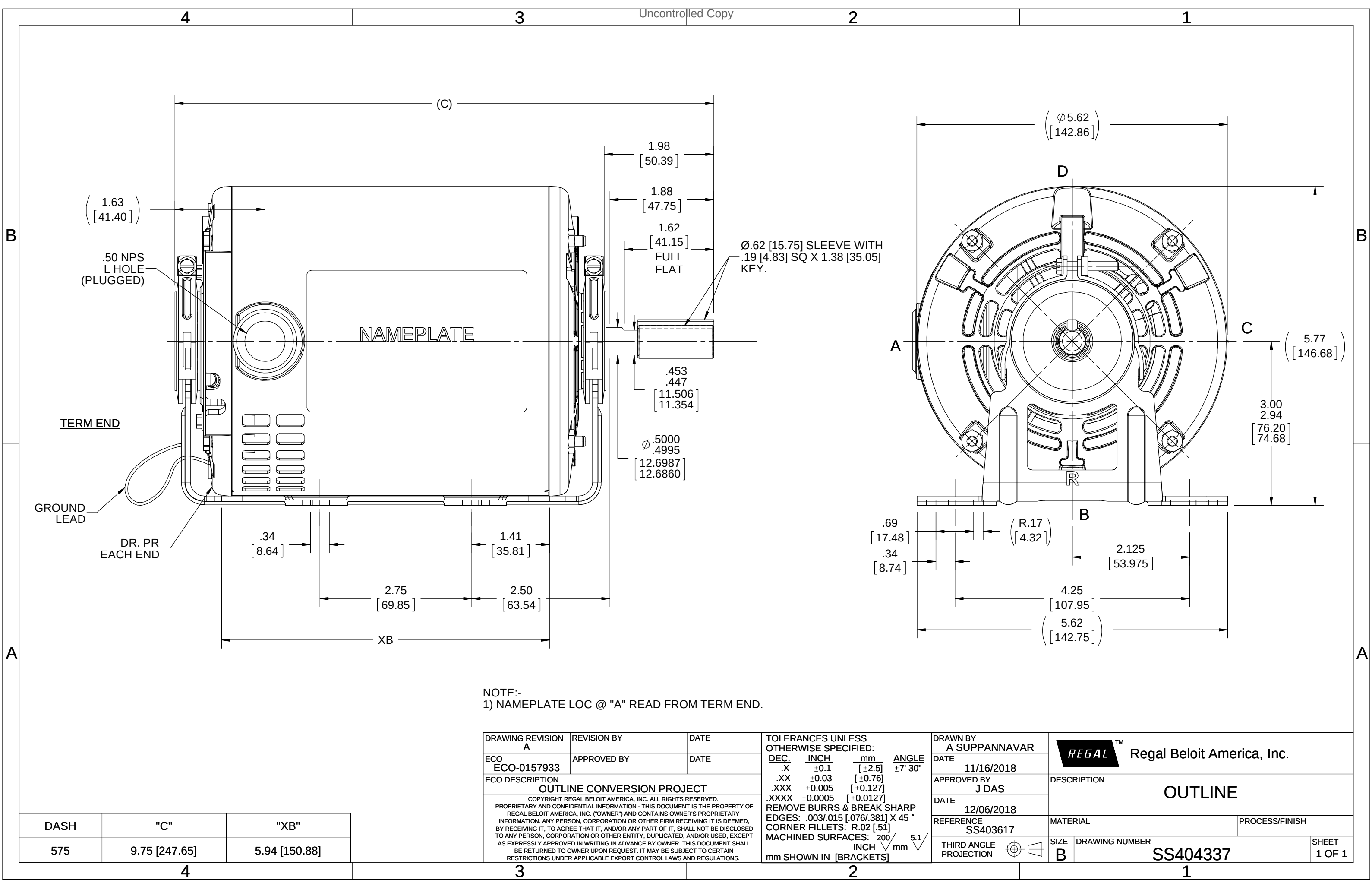
Nameplate Specifications

Phase	1	Output HP	0.33 Hp
Output KW	0.25 kW	Voltage	115 V
Speed	1725 rpm	Service Factor	1.00
Frame	48Y	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	57.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	6.6 A	Power Factor	56.5
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	S
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

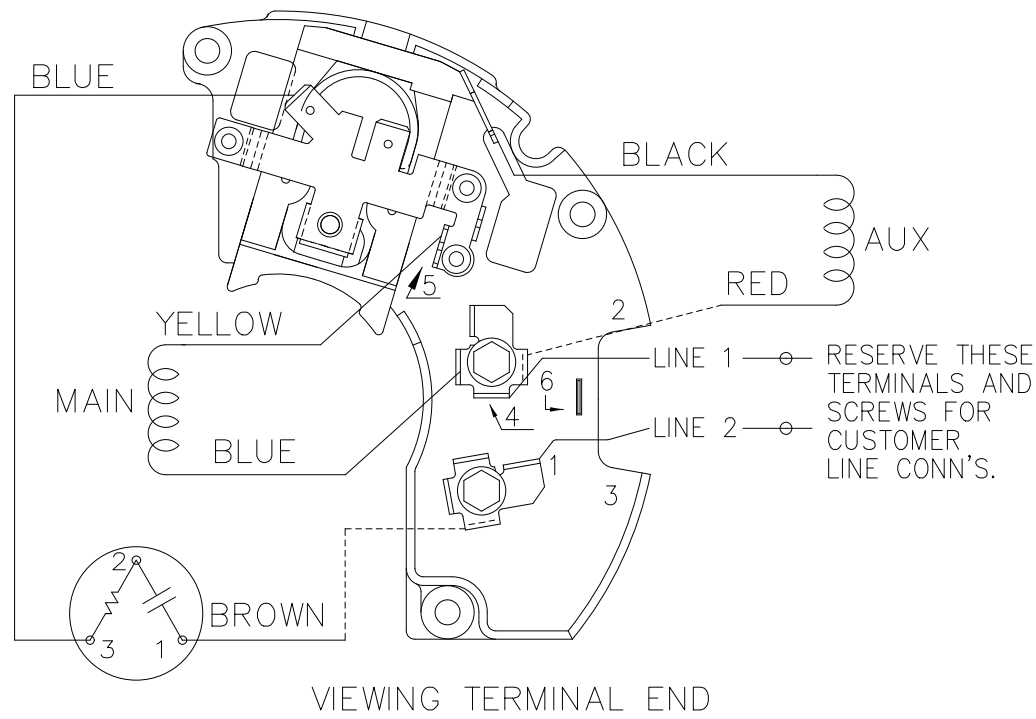
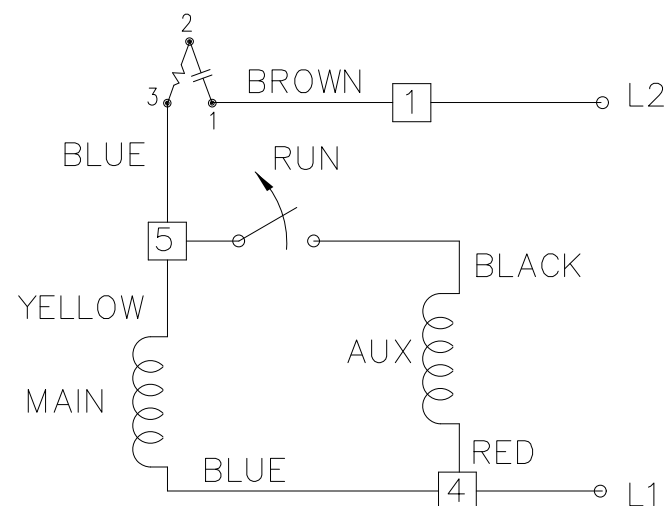
Technical Specifications

Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	9.72 in
Shaft Diameter	0.500 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	A-EE7195	Outline Drawing	A-SS404337-575

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SINGLE VOLTAGE – SPLIT PHASE
REVERSIBLE ON TERM BOARD
WITH OVERLOAD PROTECTION



C.C.W. ROTATION SHOWN.

FOR C.W. ROTATION INTERCHANGE
YELLOW & BLUE LEADS ON TERM 5 & 4.

DASH LINES INDICATE LEADS CONNECTED
TO MOTOR SIDE OF SWITCH.

DRAWING REVISION 06	REVISION BY KVDG	REV DATE/ © DATE 05/06/2025	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.01 [±0.3] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/ 3.2/ INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY ML DATE 01-27-1988 APPROVED BY DRN DATE 03-11-1988 REFERENCE THIRD ANGLE PROJECTION	 Regal Beloit America, Inc. DESCRIPTION CONNECTION DIAGRAM 48 FR. – SINGLE VOLTAGE REVERSIBLE MAT'L PROCESS/FINISH SIZE B DRAWING NUMBER EE7195 SHEET 1 OF 1
REQUEST NUMBER ECR-0242555			REQUEST NUMBER DESCRIPTION UPDATED THE DRAWING TO RRX TEMPLATE.		
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**CERTIFICATION DATA SHEET****CUSTOMER:****ORDER #:****CONN. DIAGRAM:** A-EE7195**OUTLINE:** A-SS404337-575**WINDING #:** SE484290 1**CUSTOMER PO#:****MODEL #:** 48S17D2105 H**CUSTOMER PART #:****MOUNTING:** F1 ONLY**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1800	1725	48Y	DP	S	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115	6.6	ACROSS THE LINE	CONTINUOUS	B3	1.00	40

FULL LOAD EFF:	57.5	3/4 LOAD EFF:	53.8	1/2 LOAD EFF:	45.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	56.5	3/4 LOAD PF:	49.7	1/2 LOAD PF:	41	0		SPLIT PHASE

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
16.2 OZ-FT	46.8	36.6 OZ-FT 215 %	41.58 OZ-FT 249 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	14 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	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	BEACON 325	SGL SPL EXT	0.500 x 1.88 IN SEF WITH 1.62 IN FULL FLAT AND 0.62 IN OPTIONAL SLEEVE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

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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**PREPARED BY:** Venkata Datta Ganesh Kothapalli**DATE:**

04/10/2025 04:37:12 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

REV 1 - CHANGED LOGO FROM MARATHON TO LEESON - 3/25/2025

REGAL REXNORD CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 115

Volts

HP 0.34

PHASE 1

Model No 48S17D2105

60

HZ

VOLTS 115

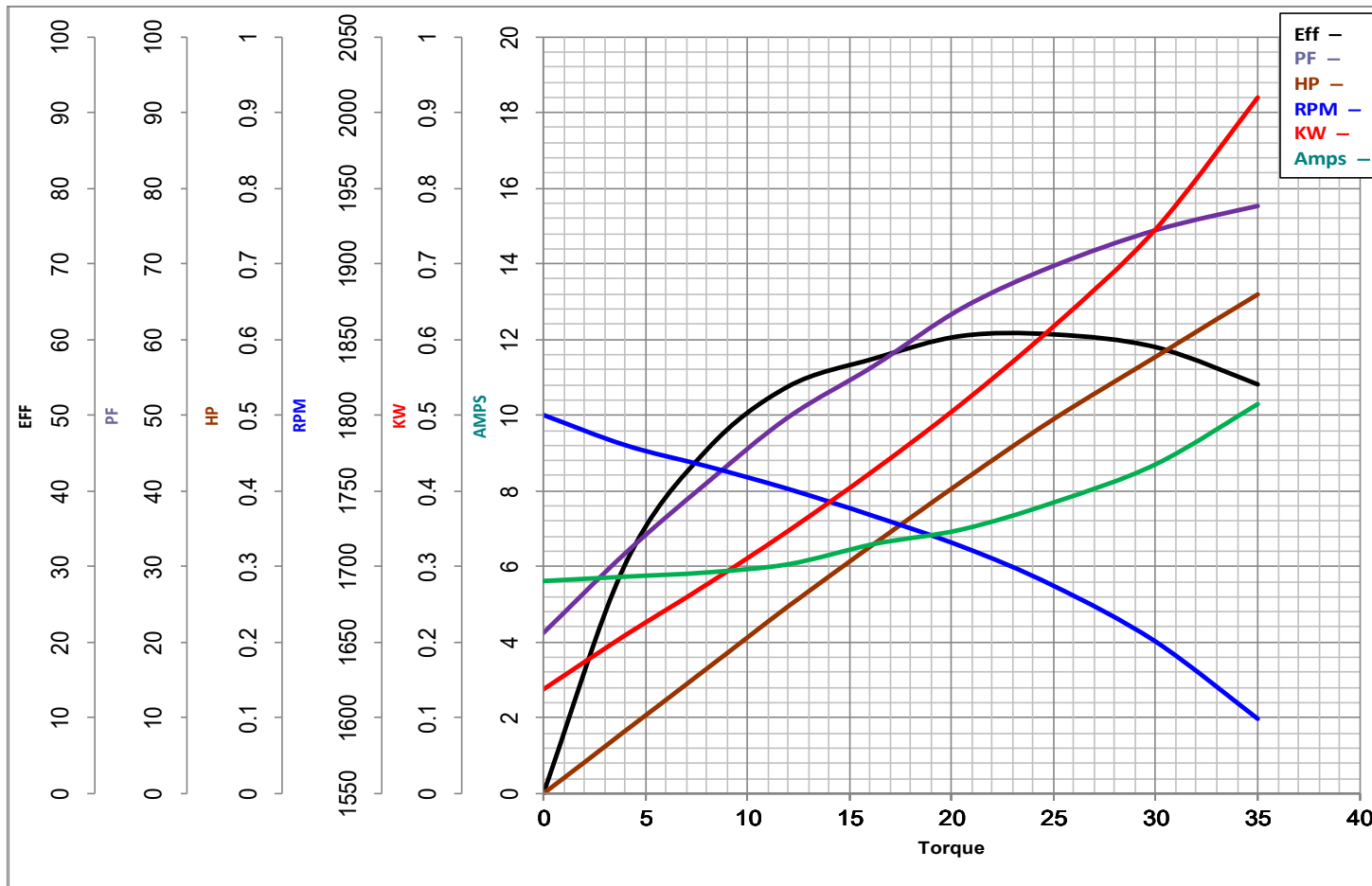
0.33

HP

HZ 60

RPM 1725

Catalog No S127



Torque in Oz.Ft

FL TORQUE 16.2 Oz.Ft

BD TORQUE 41.6 Oz.Ft

LR TORQUE 36.6 Oz.Ft

FL AMPS 6.6

PU TORQUE 35.5 Oz.Ft

LR AMPS 46.8

WINDING SE484290-1

Prepared By

Date 2/13/2023

REV 1 - CHANGED FROM MARATHON TO REGAL REXNORD - 3/25/2025