

PRODUCT INFORMATION PACKET



Model No: 122213.00

Catalog No: 122213.00

Premium Duck™ Washdown Pump Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
145JM Frame, TEFC

Operational at 208-230/460 V @60HZ



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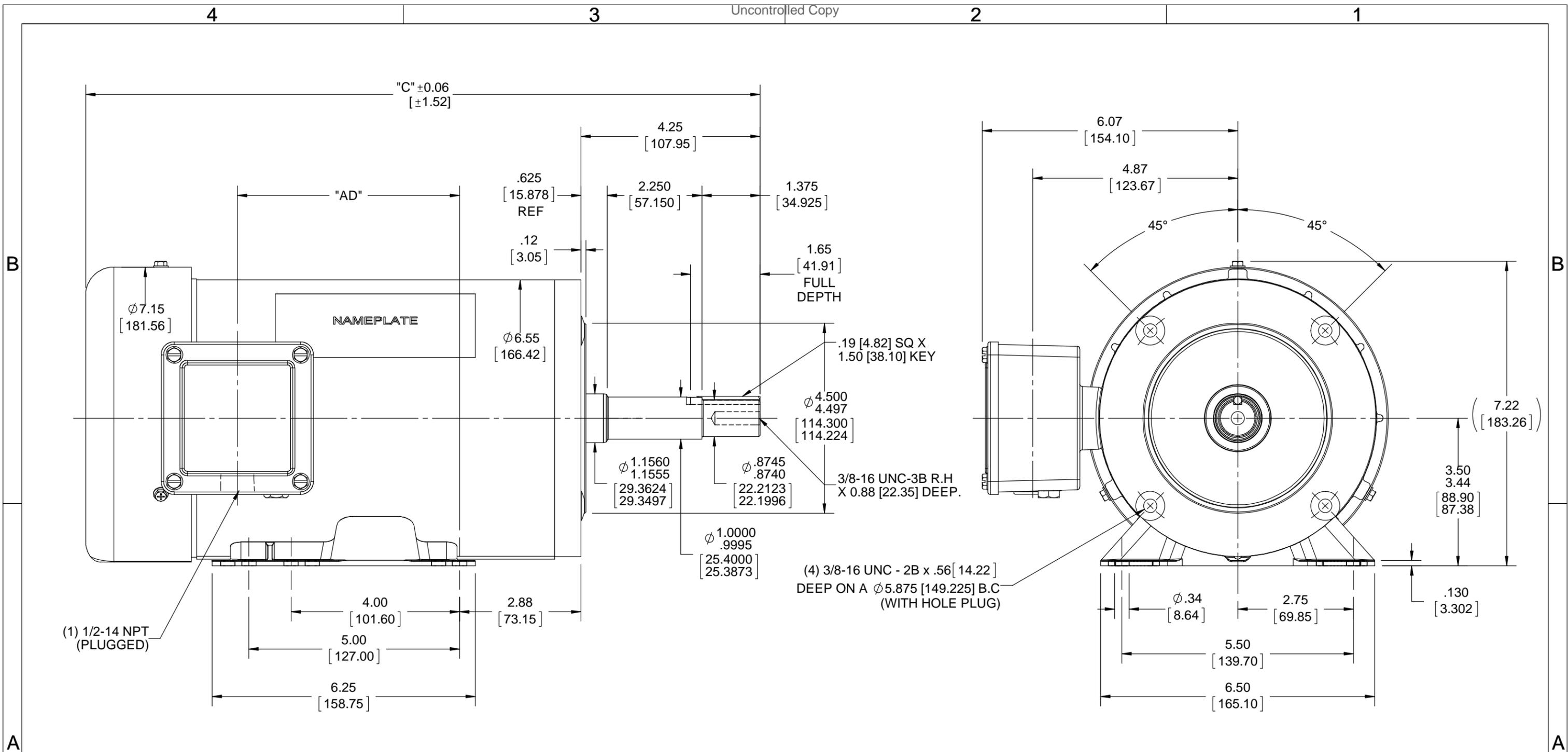


Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	3490 & 2890 rpm	Service Factor	1.15 & 1.15
Frame	145JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 83.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8/4 & 6.8/3.4 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	56
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	3.83 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	JM	Overall Length	16.50 in
Frame Length	9.00 in	Shaft Diameter	0.875 in
Shaft Extension	4.21 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	VARIABLE 10:1		
Connection Drawing	005010.01	Outline Drawing	607-0330-900



MAXIMUM FACE RUNOUT TO BE 0.004 [0.102] T.I.R.
 MAXIMUM PILOT ECCENTRICITY 0.004 [0.102] T.I.R.
 PERMISSIBLE SHAFT RUNOUT 0.002 [0.050] T.I.R.

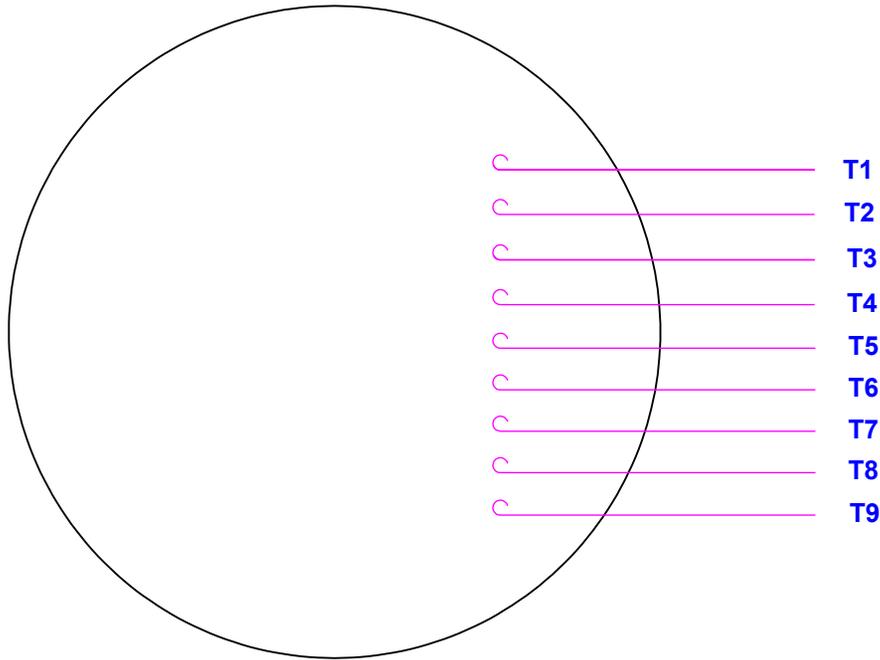
DASH NO.	"C"	"AD"
850	16.00 [406.40]	5.27 [133.85]
900	16.50 [419.10]	5.77 [146.55]

NOTE:-

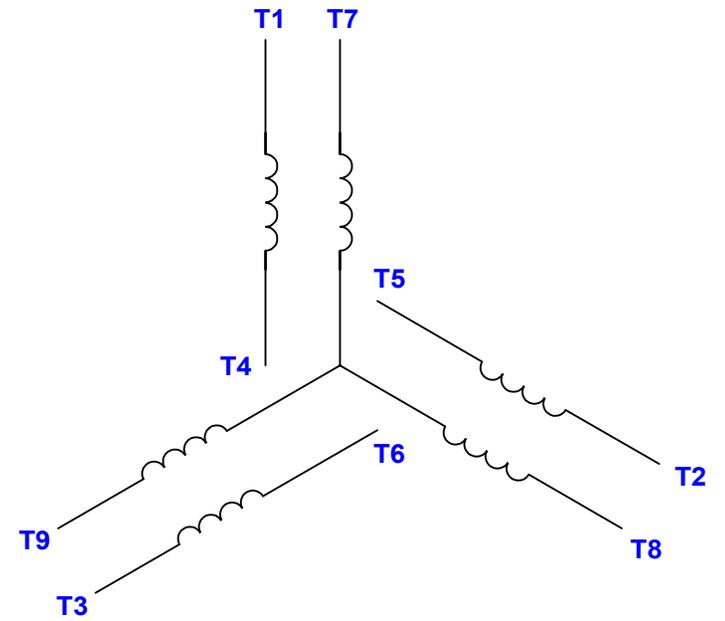
- 1) ALL-STAINLESS STEEL.
- 2) VITON CONDUIT BOX & COVER GASKETS.
- 3) VITON O-RING IN END BELL RABBETS & UNDER BOLT HEADS.
- 4) VITON SHAFT SEALS.
- 5) BREATHER PLUG IN CONDUIT BOX & L.E ENDBELL.
- 6) ALL STAINLESS STEEL CONSTRUCTION .

DRAWING REVISION A	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE ±0.5°	DRAWN BY A SUPPANAVAR	Regal Beloit America, Inc.
ECO ECO-0139851	APPROVED BY	DATE	.X ±0.1 [±2.5] .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE 12/08/2017	
ECO DESCRIPTION OUTLINE CONVERSION PROJECT			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 125 INCH 3.2 mm	APPROVED BY PK	DESCRIPTION OUTLINE 140JM FRAME TEFC - RIGID "C"
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			mm SHOWN IN [BRACKETS]	THIRD ANGLE PROJECTION	PROCESS/FINISH DRAWING NUMBER 607-0330
					SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

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				TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02		
				DEC	INCHES	CHK		
				.X	±.1	APPR		
12	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.005	3 PHASE W/O PROTECTOR		
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN	.XXX	±.0005	MAT'L DECAL - 004014		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	SCALE 1:1	
THIRD ANGLE PROJECTION			RFP	04/12/02	PREV	SIZE	DRAWING NO	
			NETWORK FILE NAME		00501001	A	005010-01	
							REV	12



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

CERTIFICATION DATA SHEET

CATALOG #:

CONN. DIAGRAM: 005010.01

OUTLINE: 607-0330-900

MOUNTING: F1 ONLY

WINDING #: T632209 FR 3 G

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	3600	3490&2890	145JM	TEFC	N	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	8/4&6.8/3.4	LINE OR INVERTER	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	86.5&83.8	3/4 LOAD EFF:	86	1/2 LOAD EFF:	84.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	86&65.8	3/4 LOAD PF:	82.2	1/2 LOAD PF:	72.7	0	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
5.24 LB-FT	82 / 41	17.97 LB-FT 399 %	20.83 LB-FT 463 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.09 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	0 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL
6206	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

INVERTER TORQUE: VARIABLE 10:1
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



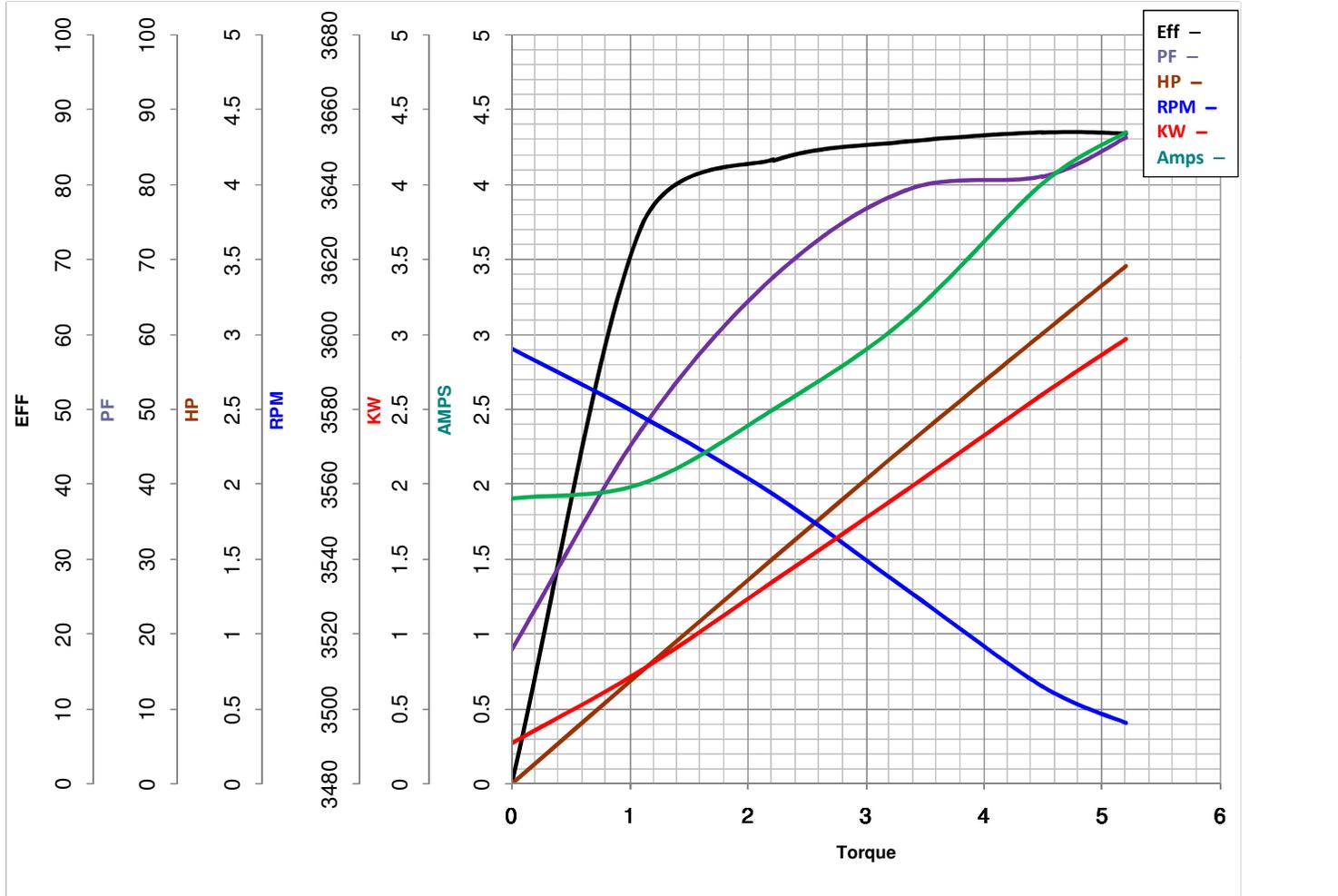
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 122213.00

Curve at 460 Volts HP 3&2 PHASE 3
60 HZ
3 HP VOLTS 230/460&190/380

Catalog No 122213.00

HZ 60&50 RPM 3490&2890



Torque in Lb.Ft

FL TORQUE 4.5 Lb.Ft
 BD TORQUE 20.8 Lb.Ft
 LR TORQUE 17.97 Lb.Ft

FL AMPS 8/4
 PU TORQUE 17.5 Lb.Ft
 LR AMPS 41

WINDING T632209-3

Date 6/7/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 122213.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 122213.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25