

PRODUCT INFORMATION PACKET

Model No: 213TTTND16539

Catalog No: U1869A

XRI®-SD Severe Duty Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
213TV Frame, TEAO



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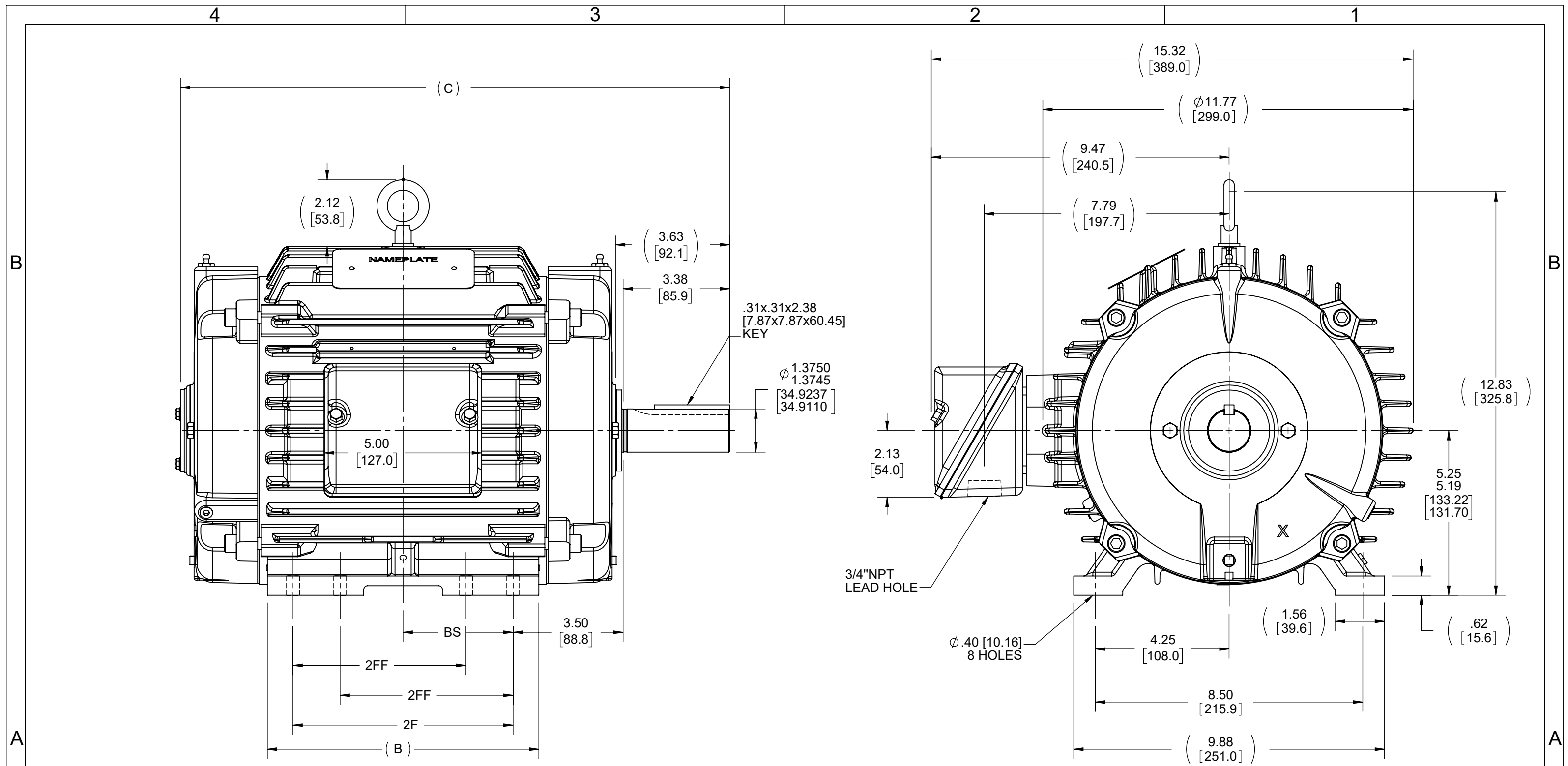


Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	1765 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	213TV	Enclosure	Totally Enclosed Air Over
Thermal Protection	No Protection	Efficiency	91.7 & 89.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	19.2/9.6 & 22.6/11.3 A	Power Factor	79.2
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.18 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	17.51 in
Frame Length	9.12 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 20:1		
Outline Drawing	037907-912	Connection Drawing	A-EE7308



NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED IN OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

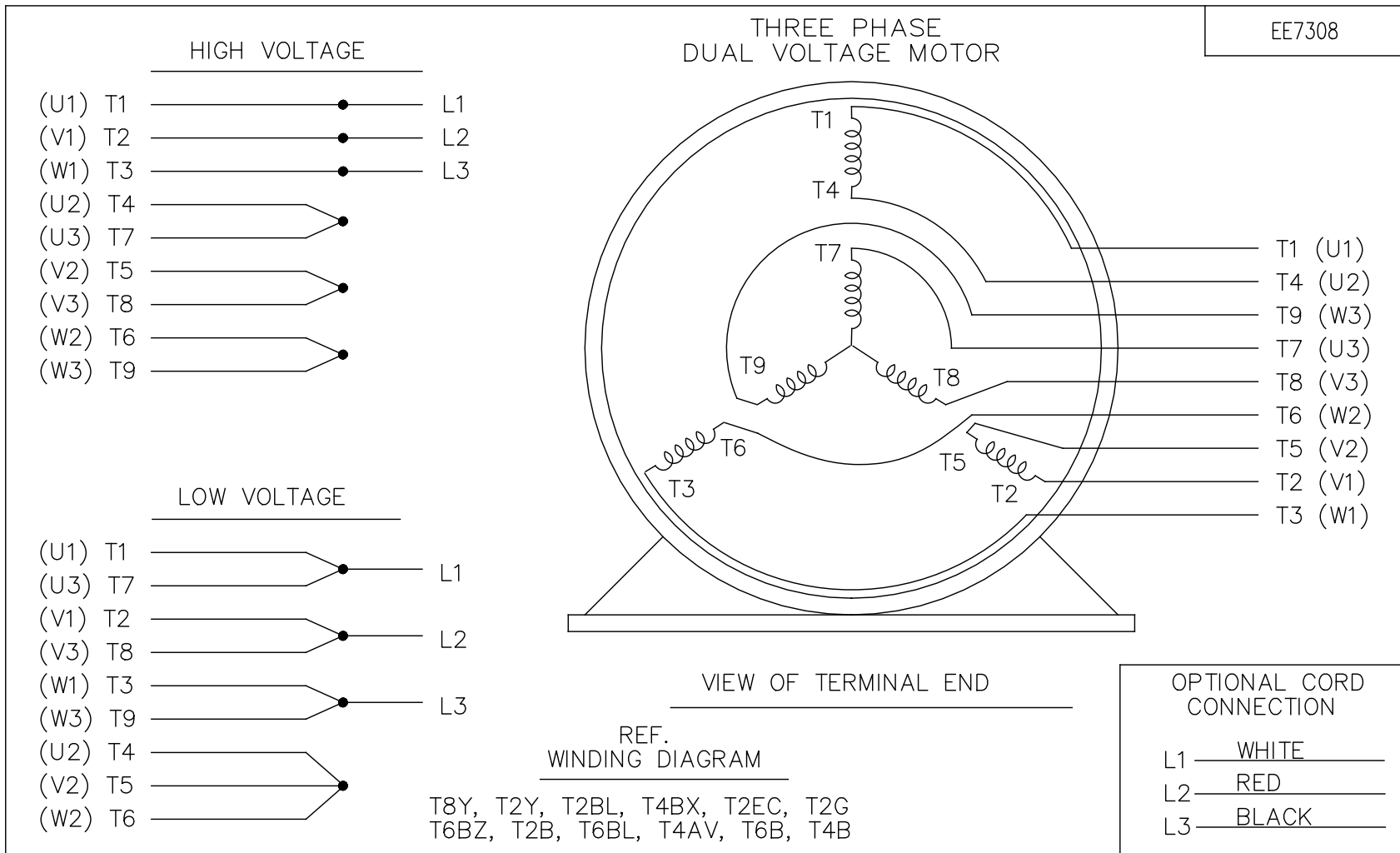
1212	215	20.51 [520.95]	11.76 [298.70]	10.00 [254.00]	7.00 [177.80]	5.00 [127.00]
912	213/215	17.51 [444.75]	8.63 [219.20]	7.00 [177.80]	5.50 [139.70]	3.50 [88.90]
DASH	FRAME	C	B	2F	2FF	BS

DRAWING REVISION D	REVISION BY PB	REV DATE/© DATE 11/15/21
REQUEST NUMBER NMR-0210881	APPROVED BY PB	DATE 11/15/21
REQUEST NUMBER DESCRIPTION Views updated		
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TOLERANCES (EXCEPT AS NOTED):
 DEC. INCH mm ANGLE
 .X ±0.1 [±3] ±7' 30"
 .XX ±0.03 [±0.8]
 .XXX ±0.005 [±0.13]
 .XXXX ±0.0005 [±0.013]
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.08/.38] X 45°
 CORNER FILLETS: R.02 [5]
 MACHINED SURFACES: 200 INCH/mm 5.1
 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY UD
DATE 11-14-2013
APPROVED BY SR
DATE 11-14-2013
REFERENCE 037728
THIRD ANGLE PROJECTION

Regal Rexnord		Regal Beloit America, Inc.	
DESCRIPTION		OUTLINE	
210 FR-STD-STD-T-TENV		PROCESS/FINISH	
SIZE B	DRAWING NUMBER 037907	SHEET 1 OF 1	



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM	ML	REV.	
					DEC.	INCHES					
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					RM	11/20/1990		
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			CHK	ML 11/21/1990		
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			APPD	SAS 04/24/2003		
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005			SCALE	1=1		
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005			REF			
					±7'30"			FMP			
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							DIST WP		A	EE7308	5

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308

MODEL #: 213TTTND16539 AA

OUTLINE: 037907-912

MOUNTING: F1/F2 CAPABLE

WINDING #: K2134279 R5 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&5	5.60&3.70	1800	1765&1475	213TV	TEAO	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	19.2/9.6&22.6/11.3	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	91.7&89.8	3/4 LOAD EFF:	92.2	1/2 LOAD EFF:	91.6	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	79.2&83.9	3/4 LOAD PF:	72.9	1/2 LOAD PF:	61.1	91		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	135 / 67.5	52.9 LB-FT 238 %	75 LB-FT 338 %	999

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.85 LB-FT^2	45 LB-FT^2	25 SEC.	2	140 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL OR UP OR DOWN	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6307	6208						

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

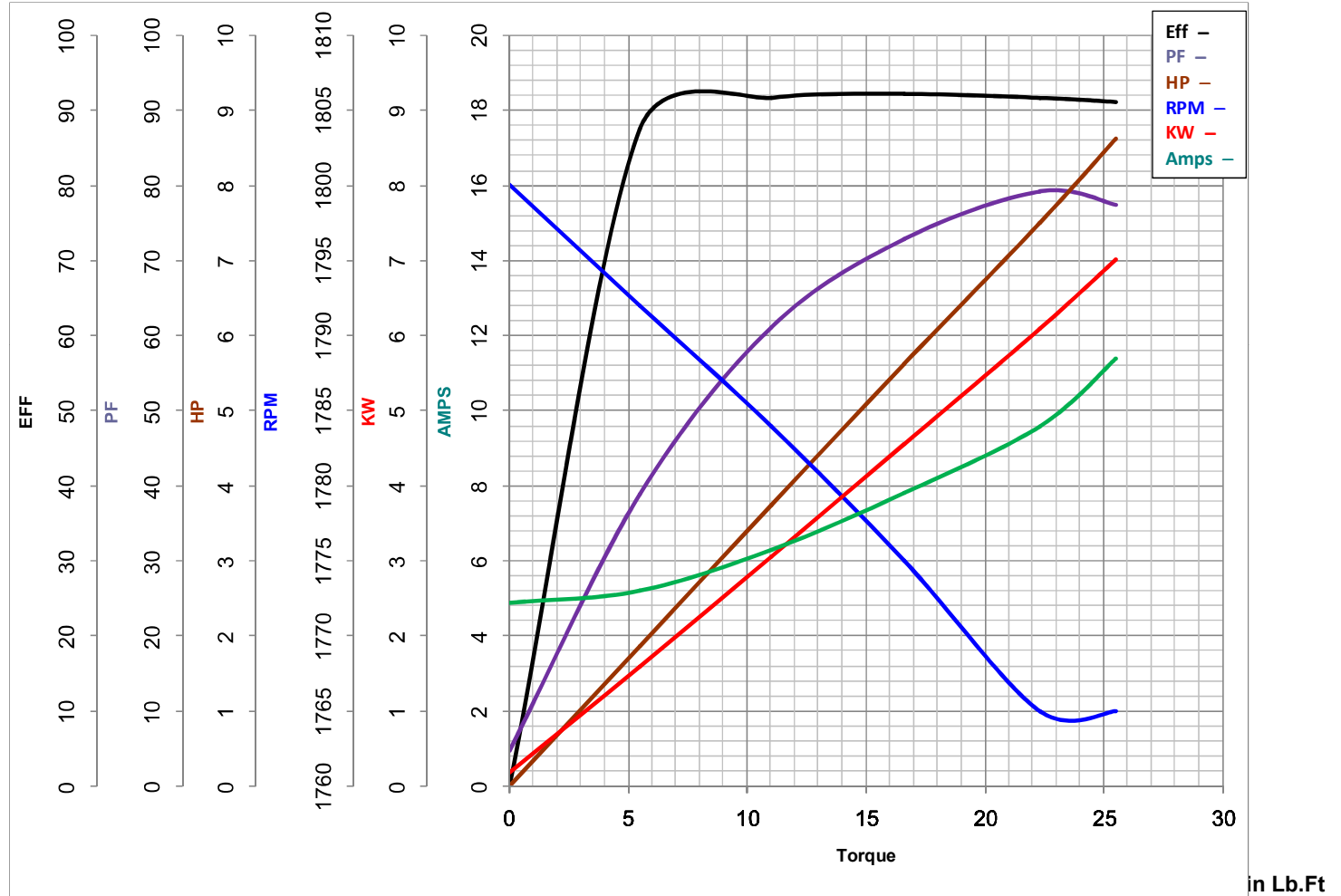
*
N
O
T
E
S

INVERTER TORQUE: CONSTANT 20:1
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

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 460 Volts HP 7.5&5 PHASE 3
 Model No 213TTTND16539 60 HZ 7.5 HP VOLTS 230/460&190/380
 Catalog No U1869A HZ 60&50 RPM 1765&1475



FL TORQUE	<u>22.3</u>	Lb.Ft	FL AMPS	<u>19.2/9.6</u>	
BD TORQUE	<u>75.0</u>	Lb.Ft	PU TORQUE	<u>49.0</u>	Lb.Ft
LR TORQUE	<u>52.9</u>	Lb.Ft	LR AMPS	<u>67.5</u>	
WINDING	K2134279-2		Date	11/5/2018	

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

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 : 213TTTND16539

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

Catalog No : U1869A

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:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22