

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 254TTDX16043

Catalog No: E722A-P

XRI® General Purpose General Purpose Motor, 15 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V,
1800 & 1500 RPM, 254T Frame, DP



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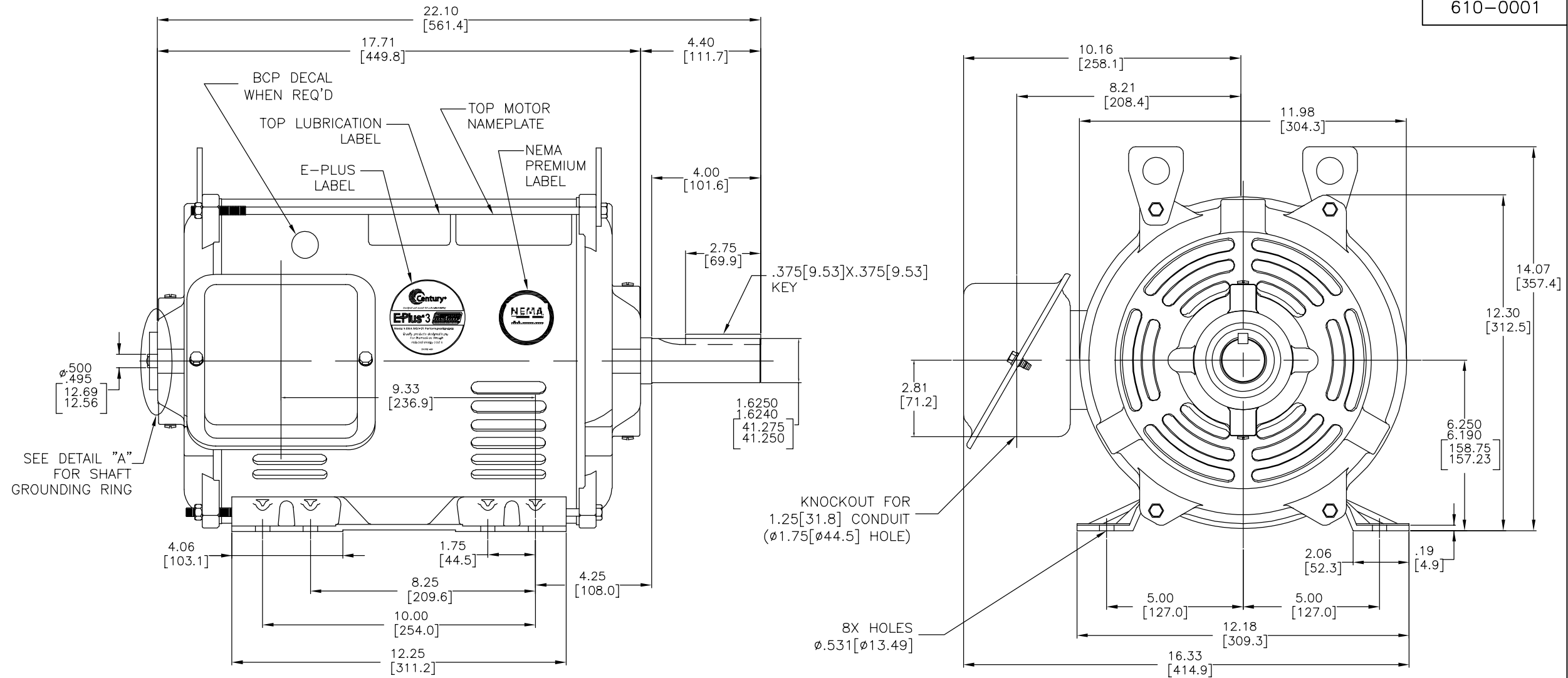
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 15 Hp
Output KW	11.2 & 11.2 kW	Voltage	230/460 & 200/400 V
Speed	1768 & 1460 rpm	Service Factor	1.15 & 1.15
Frame	254T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	38/18.9 & 44/22.1 A	Power Factor	79.9
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

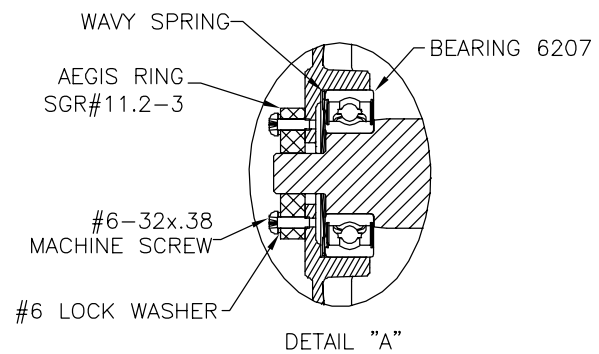
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.515 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	22.10 in
Shaft Diameter	1.625 in	Shaft Extension	4.4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	610-0001-1300	Connection Drawing	A-EE7308K



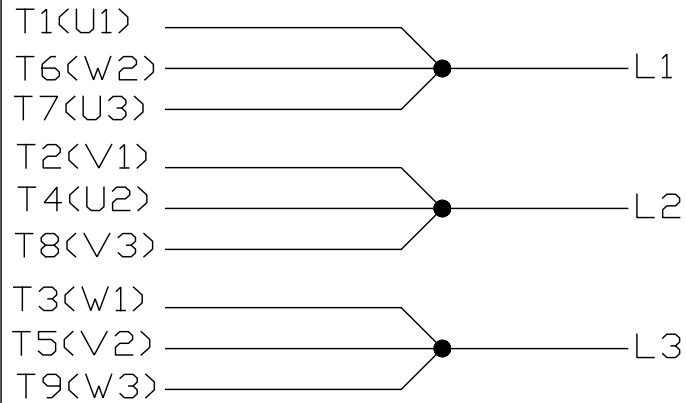
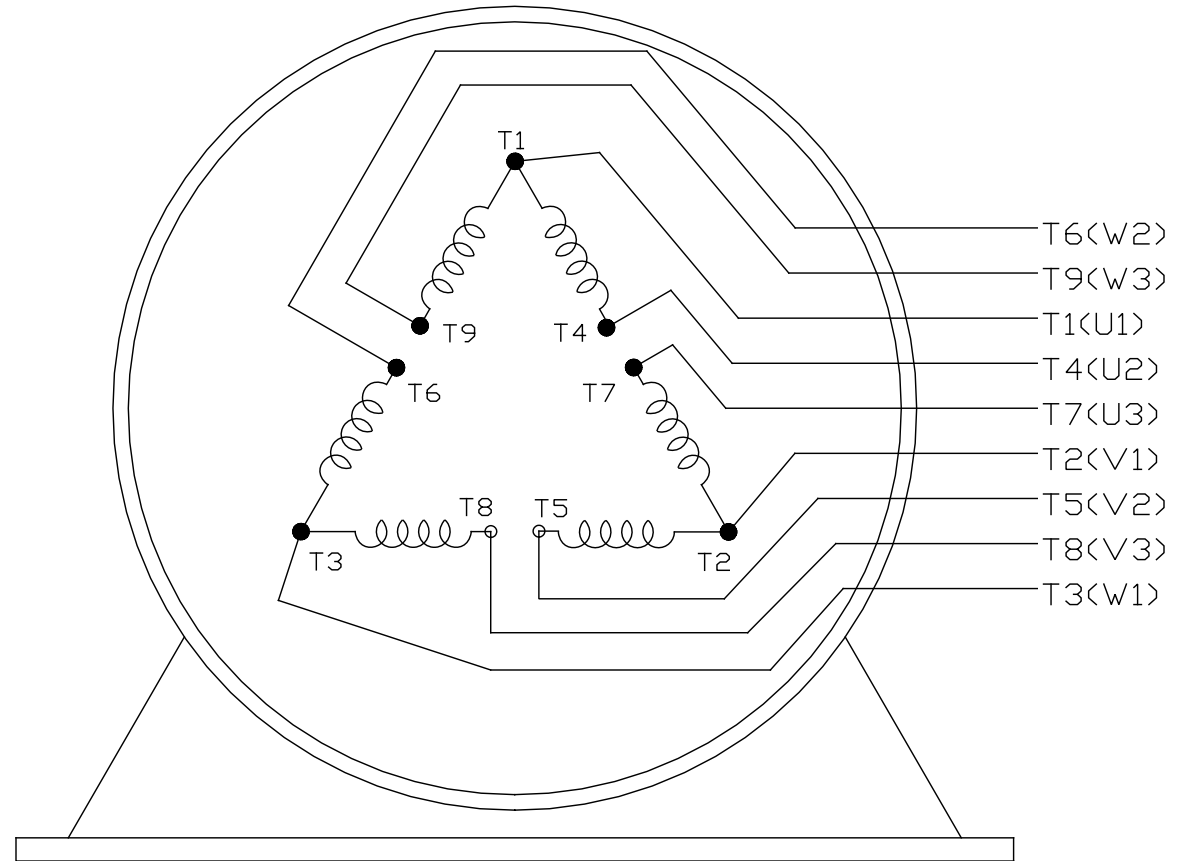
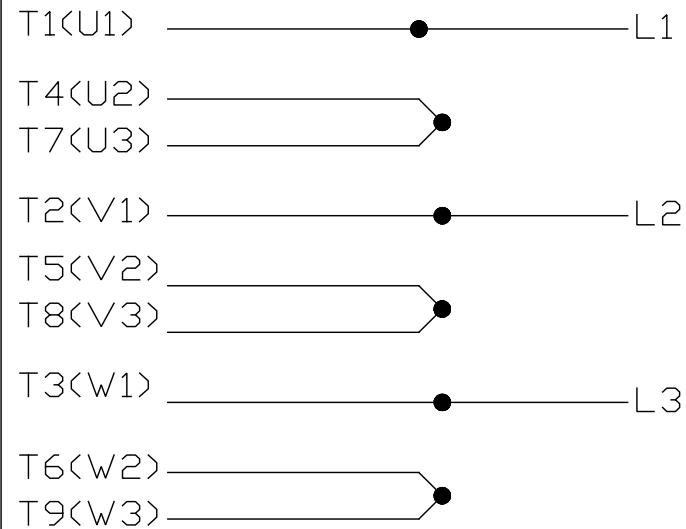
- NOTES:
1. CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
 2. MOTOR IS SUITABLE FOR FIELD CONVERSION FROM AN F1 TO AN F2 CONDUIT BOX LOCATION.
 3. MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.

MOTOR DESCRIPTION:
3 PHASE OPEN DRIPPROOF STEEL SHELL 254T OR 256T MOUNTING.
OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER WHEN
MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT BE DRIPPROOF
AS DEFINED BY NEMA.



				TOLERANCES UNLESS SPECIFIED	 REGAL-BELOIT CORPORATION	DRAWN	UD 07/25/13		
				DEC. INCHES		CHK	SR 07/25/13		
				.X ±0.1		APPD			
				.XX ±0.02		TITLE	OUTLINE – SGR ODE		
				.XXX ±0.005			MODEL – IHP		
01	BCP DECAL ADDED	PVR 01/28/15	ST	.XXXX ±0.0005	MAT'L.	REF	18748501–001		
NO.	REVISION	BY & DATE	CHK	ANG ±1	FINISH	PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT				RFP	CAD FILE	610–0001	SIZE	DRAWING NO.	REV.
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EE7308K

LOW VOLTAGEHIGH VOLTAGE

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"		CHK	ML	06-05-1997
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES	TITLE CONNECTION DIAGRAM DELTA CON. - 3Ø - 9 LEADS	APPD	GK	06-15-1997
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	± .1				
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02				
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005				
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005				
						MAT'L.			
						FINISH			
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CERTIFICATION DATA SHEET

Model#: 254TTDX16043 AA
 CONN. DIAGRAM: 80022801
 OUTLINE: 610-0001-1300

WINDING#: BGR4T01 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&15	11.2&11.2	1800	1768&1460	254T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/ 400	38/18.9&44/22 .1	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.15	40	3300

FULL LOAD EFF: 93&91.7	3/4 LOAD EFF: 93.2	1/2 LOAD EFF: 92.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 79.9&79.5	3/4 LOAD PF: 75.2	1/2 LOAD PF: 66	91.7	SQ CAGE INV RATED	15.4 / 7.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.5 LB-FT	228 / 114	84.1 LB-FT 189	117 LB-FT 263	21

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	2 LB-FT^2	- LB-FT^2	20 SEC.	2	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6207						

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

If Inverter equals NONE, contact factory for further information

* 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

DATE: 06/23/2017 03:29:09 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.



MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

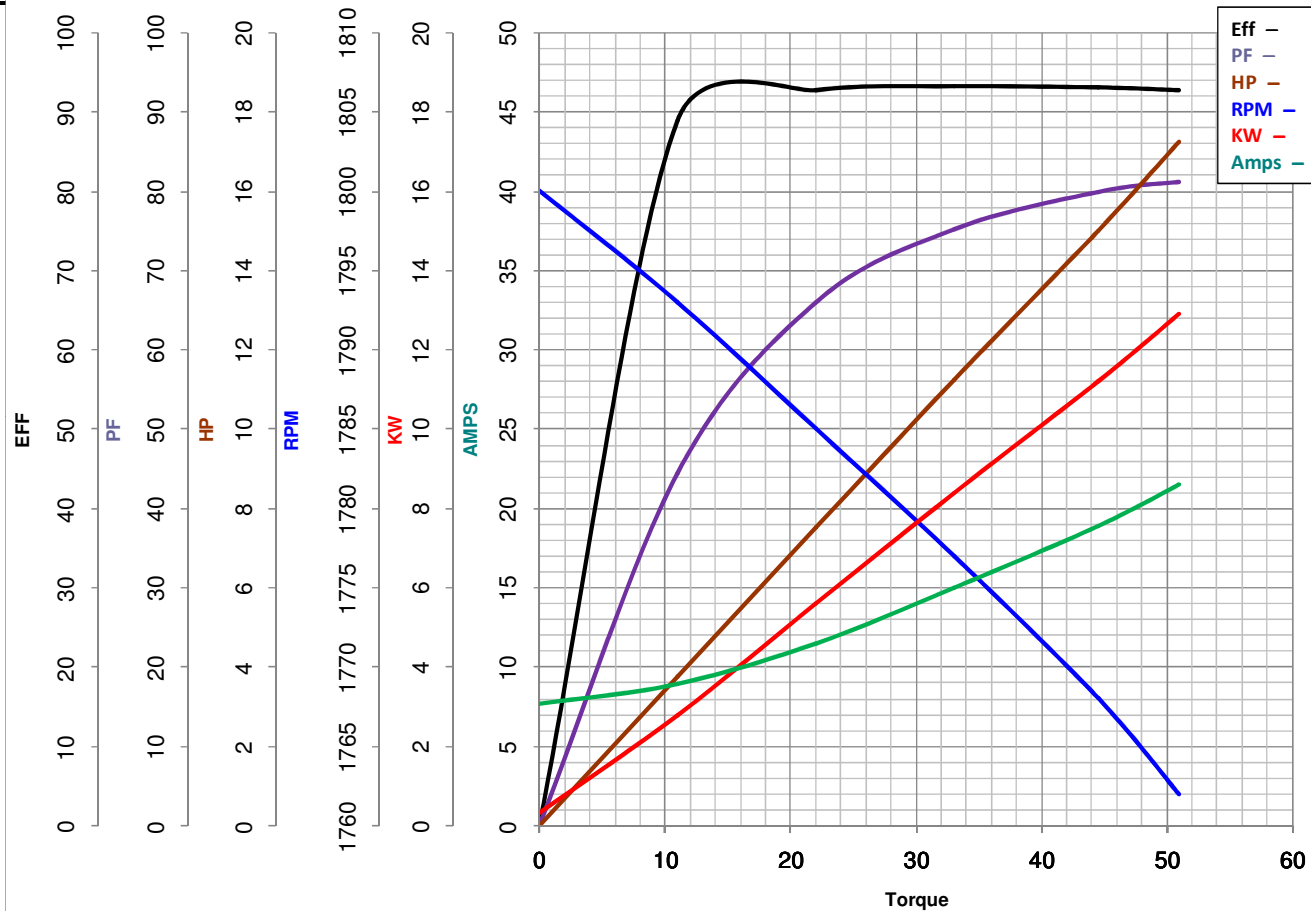
Volts

HP 15&15PHASE 3Model No 254TTDX1604360

HZ

VOLTS 230/460&200/40015

HP

Catalog No E722A-PHZ 60&50RPM 1768&1460

Torque in Lb.Ft

FL TORQUE 44.5 Lb.FtBD TORQUE 117.0 Lb.FtLR TORQUE 84.1 Lb.Ft

WINDING BGR4T01-

FL AMPS 38/18.9PU TORQUE 75.69 Lb.FtLR AMPS 114Date 3/7/2019