

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 445VTDC6026

Catalog No: V153A

Vertical Pump Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 445TPV Frame,
WPI



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RegalRexnord

Nameplate Specifications

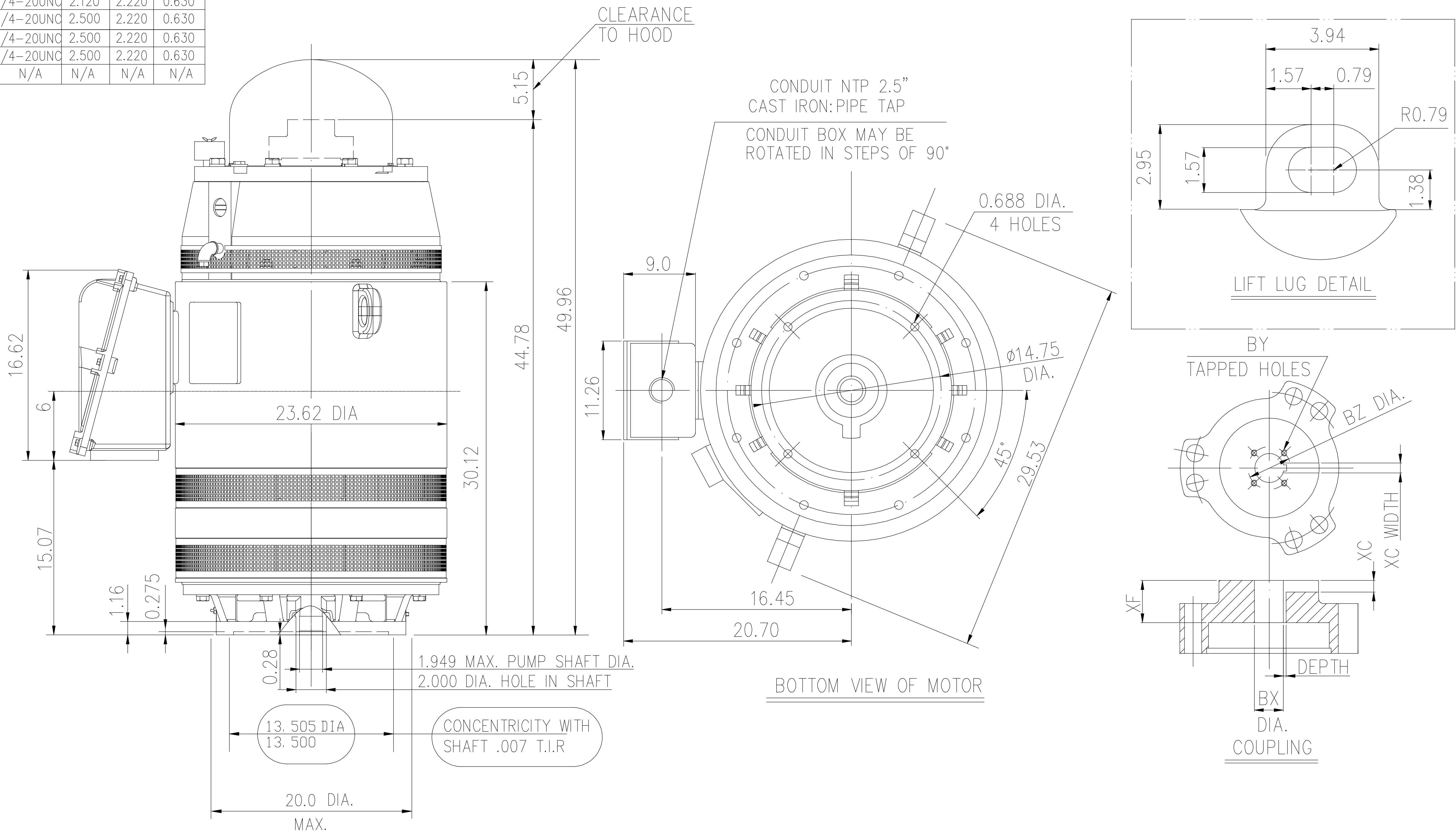
Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	1785 & 1485 rpm	Service Factor	1.15 & 1.15
Frame	445TPV	Enclosure	Weather Protected 1
Thermal Protection	No Protection	Efficiency	95.8 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	227 & 211 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	7222DT
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	4	Rotation	Counterclockwise Rotation, Reversible without Non-Reversible Ratchet
Resistance Main	.019 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Duplex Tandem Angular Contact	Frame Material	Cast Iron
Shaft Type	TP	Overall Length	49.96 in
Shaft Diameter	2.000 in	Shaft Extension	0.28 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 3:1
Connection Drawing	EE7341S	Outline Drawing	SS620844

COUPLING	BX DIA.	KEYWAY		BY	BZ	XF	XC
		WIDE	DEEP				
	1.188	0.250	0.116	1/4-20UNC	1.750	2.220	0.630
	1.251	0.375	0.168	1/4-20UNC	2.120	2.220	0.630
	1.438	0.375	0.171	1/4-20UNC	2.500	2.220	0.630
	1.501	0.375	0.171	1/4-20UNC	2.500	2.220	0.630
	1.938	0.500	0.222	1/4-20UNC	2.500	2.220	0.630
	1.188	N/A	N/A	N/A	N/A	N/A	N/A

SS620844



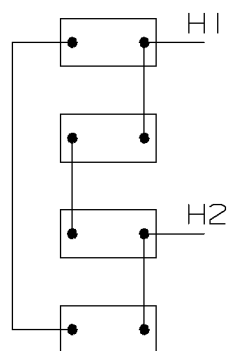
- (1) DIMENSIONS ARE IN INCHES.
(2) DRIVE END BEARING 6314
OPPOSITE DRIVE END BEARING 7222DT
(3) APPROXIMATE WEIGHT = 2050 LB

(4) END OF LINE TESTS - SPECIFIC TO EACH RATING
*NO LOAD AMPS @ FULL VOLTAGE
*NO LOAD WATTS @ FULL VOLTAGE
*VIBRATION MEETS MG-1 STANDARD
BALANCE 0.15 IN/S 3.8 MM/S

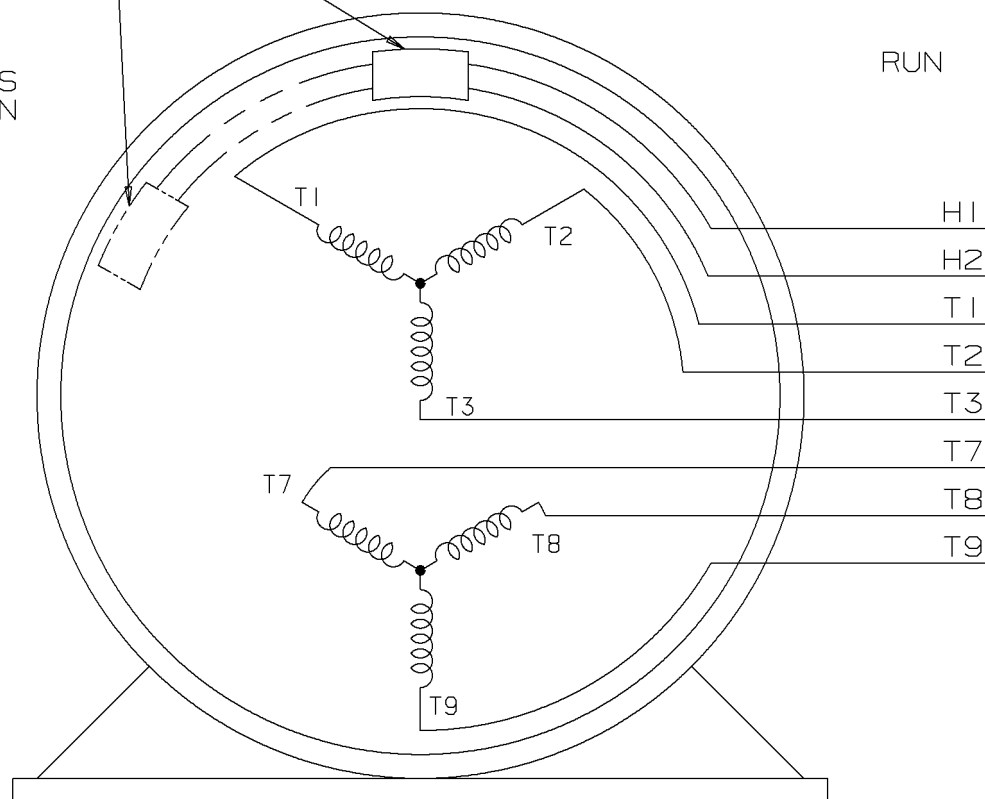
				TOLERANCES UNLESS SPECIFIED		REGAL	REGAL - BELOIT CORPORATION	DRAWN	
				DEC.	INCHES			CHK	
				.X	±.1			APPD	
				.XX	±.03			SCALE	
B	UPDATED PER MARK-UPS	ECO-0151417	WGJ 9-11-2018	AL	.XXX	±.005	TITLE	OUTLINE	REF
A	RELEASED FOR PRODUCTION	ECO-0125213	WGJ 6-13-2017	AL	.XXXX	±.0005	MAT'L.		FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	SIZE	DRAWING NO.	REV.
				DIST			B	SS620844	B

SPACE HEATER

NOTE: SPACE HEATERS
CAN BE CONNECTED IN
SERIES OR PARALLEL
AS REQUIRED.



SPACE HEATER
CONNECTED IN
SERIES PARALLEL



START - CONNECT T1 TO L1
CONNECT T2 TO L2
CONNECT T3 TO L3
OPEN T7, T8 & T9

RUN - CONNECT T1 & T7 TO L1
CONNECT T2 & T8 TO L2
CONNECT T3 & T9 TO L3

H1 & H2 CONNECTED TO
SPACE HEATER CIRCUIT

NT4K
NT4N

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±			
				MATL SPEC				DRAWN BY DRS 08-11-1998
				FINISH	 WAUSAU, WISCONSIN 54401			CHKD BY MRB 08-11-1998
I	08-11-1998	NEW DRAWING	DRS					APPD BY DD 08-11-1998
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM - 6 POLE 3 PH - 2 CKT Y - 6 LEADS - W/ SPACE HEATERS				DRWG NO A- EE7341S
		SHOP BOOK	PURCHASED	DISTRIBUTION - WA - LB - WP - LM			CADD FILE NO.	EE7341S

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM

CADD FILE NO.

EE7341S



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7341S**OUTLINE:** SS620844**WINDING #:** TPE4454001 1**CUSTOMER PO#:****MODEL #:** 445VTDC6026 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
200&150	149&112	1800	1785&1485	445TPV	WPI	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	227&211	PWS OR INVERTER	CONTINUOUS	F	1.15/1.15	40

FULL LOAD EFF:	95.8&95	3/4 LOAD EFF:	96.2	1/2 LOAD EFF:	95.8	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	86&85	3/4 LOAD PF:	84.5	1/2 LOAD PF:	79	95.4		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
588 LB-FT	1450	1090 LB-FT 185 %	1372 LB-FT 233 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	41.9 LB-FT^2	2056 LB-FT^2	12 SEC.	2	2240 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE-16	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	DUPLEX TANDEM ANGULAR CONTACT	POLYREX/ISOVG32	TP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	7222DT						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	110 VOLTS

*

N

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INVERTER TORQUE: VARIABLE 3:1
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

PREPARED BY: Dinesh**Suddula DATE:**

02/18/2019 03:31:35 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 200&150

 PHASE 3

 Model No 445VTDC6026
60

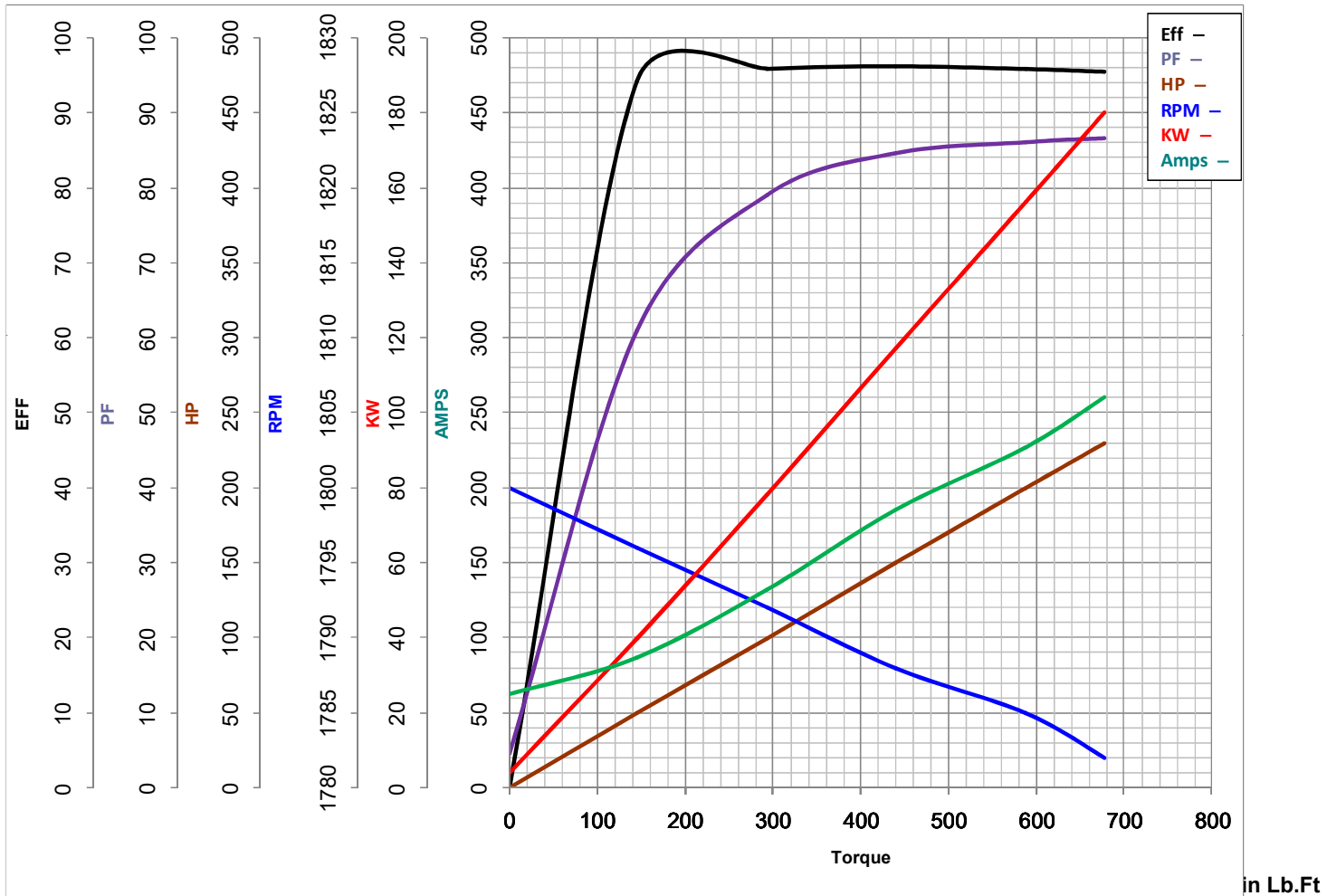
HZ

 VOLTS 460&380
200

HP

 Catalog No V153A

 HZ 60&50

 RPM 1785&1485

 FL TORQUE 588 Lb.Ft

 BD TORQUE 1372 Lb.Ft

 LR TORQUE 1090 Lb.Ft

 FL AMPS 227

 PU TORQUE 875.0 Lb.Ft

 LR AMPS 1450

WINDING TPE4454001-1

Date 11/5/2018