

# PRODUCT INFORMATION PACKET

Model No: 213VTDC6026

Catalog No: V107A

Vertical Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,  
213TPV Frame, WPI



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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>7.50 &amp; 5 Hp</b>
Output KW	<b>5.6 &amp; 3.7 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1760 &amp; 1455 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>213TPV</b>	Enclosure	<b>Weather Protected 1</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>91.7 &amp; 90.2 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>18.4/9.2 &amp; 15.4/7.7 A</b>	Power Factor	<b>83</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>F</b>
Drive End Bearing Size	<b>6209</b>	Opp Drive End Bearing Size	<b>7309B</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>23</b>
Number of Speeds	<b>1</b>		

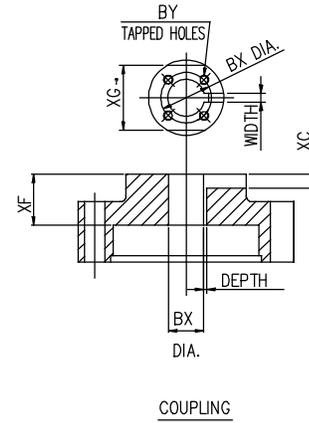
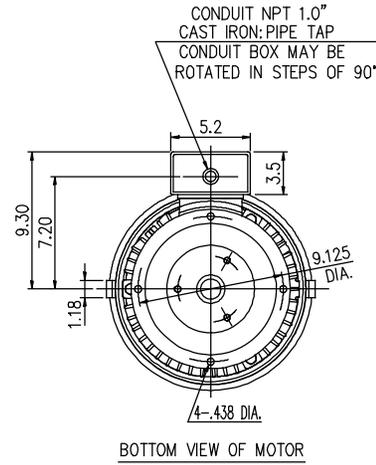
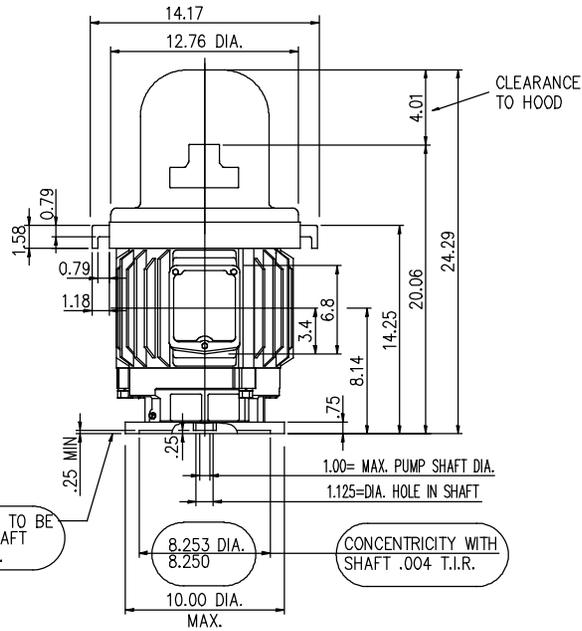
### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Part Wdg Start Low Volt Only &amp; Wye Start Delta Run Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Counterclockwise Rotation, Reversible without Non-Reversible Ratchet</b>
Mounting	<b>Round</b>	Motor Orientation	<b>Shaft Down</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Single Angular Contact</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>TP</b>
Overall Length	<b>24.49 in</b>	Shaft Diameter	<b>1.125 in</b>
Shaft Extension	<b>0.25 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Inverter Load	<b>VARIABLE 3:1</b>		
Outline Drawing	<b>SS620833</b>	Connection Drawing	<b>EE7308DX</b>



COUPLING	BX DIA.	KEYWAY		BY	BZ	XF	XC
		WIDE	DEEP				
	1.001	0.250	0.140	10-32UNF	1.375	1.650	0.430
	0.751	N/A	N/A	N/A	N/A	N/A	N/A

SS620833



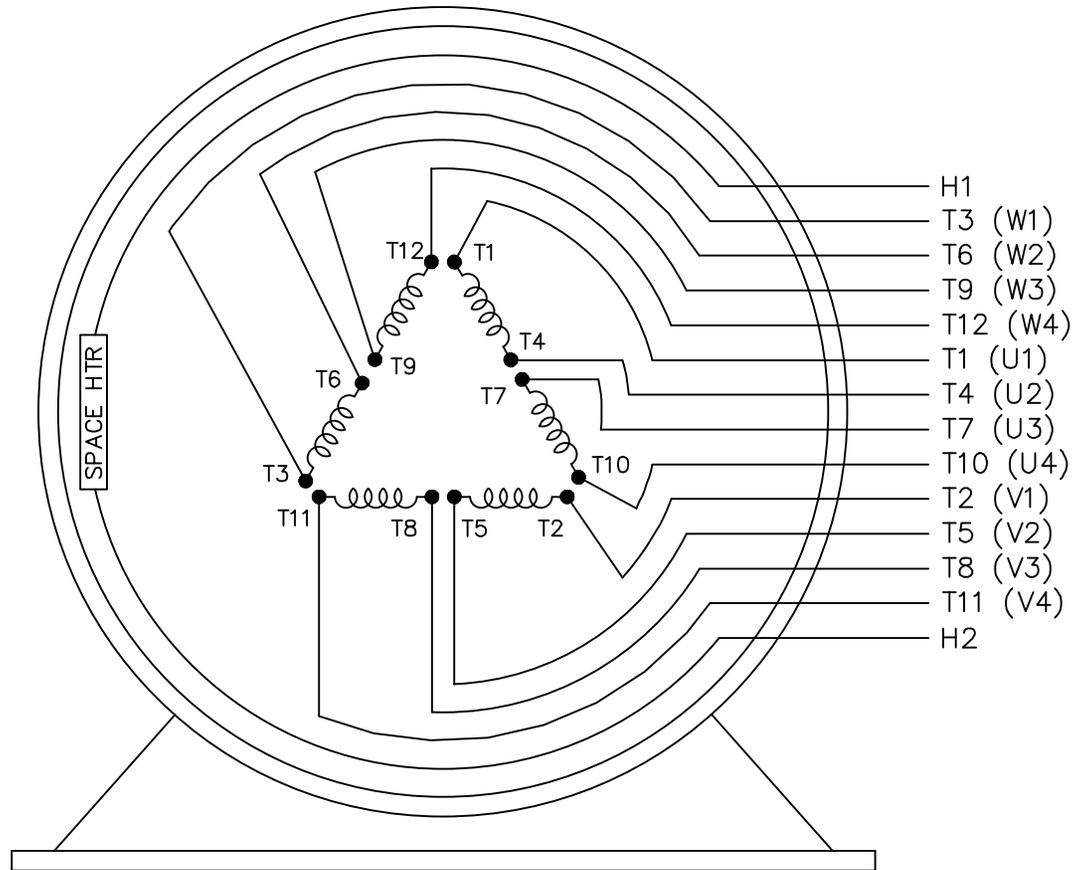
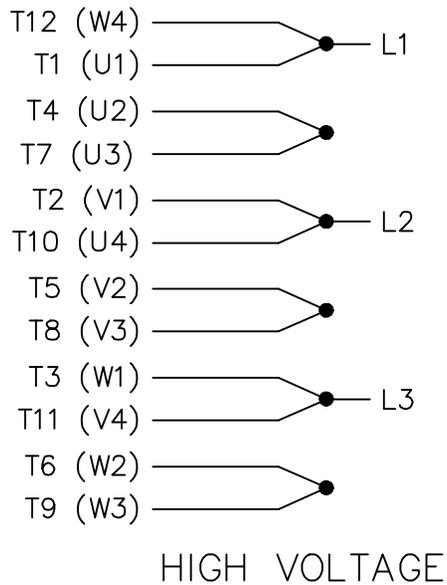
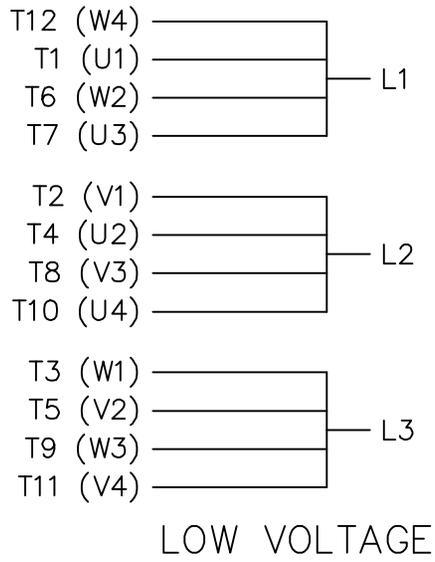
FACE OF FLANGE TO BE SQUARE WITH SHAFT WITHIN .004 T.I.R.

CONCENTRICITY WITH SHAFT .004 T.I.R.

- (1) DIMENSIONS ARE IN INCHES
- (2) APPROXIMATE WEIGHT = 200 LBS
- (3) DRIVE END BEARING 6209
- OPPOSITE DRIVE END BEARING 7309B

(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		
C	UPDATED PER MARK-UPS	ECD-0151417	VGJ 9-7-2018	AL	XX	±.03	TITLE	OUTLINE		
B	RE-PUBLISHED	ECD-0125813	VGJ 9-21-2017	EMH	XXX	±.005	213/215TP10 FRAME			
A	RELEASED	ECD-0125213	VGJ 6-13-2017	AL	XXXX	±.0005	MAT'L.	SCALE		
NO.	REVISION		BY & DATE	CHK	ANG	±7°30'	FINISH	REF		
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	SS620833	C	



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN KL 02-05-1999			
				DEC.	INCHES		CHK DJK 02-05-1999			
				.X	± -	TITLE CONNECTION DIAGRAM 12 LEADS - 3 PHASE - 2/1 DELTA	APPD DJK 02-05-1999	SCALE 1=1		
2	ADDED IEC MARKINGS	MU110339	MSG 10-15-2012	.XXX	± -		REF			
1	NEW DRAWING	MU23624	KL 02-05-1999	DJK .XXXX	± -	MAT'L.	FMF	MU23624		
NO.	REVISION	BY & DATE	CHK	ANG	± -	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	02-05-1999	CAD FILE EE7308DX	SIZE A	DRAWING NO. EE7308DX	PAGE OF 2	REV. 2
				DIST						

**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** EE7308DX

**MODEL #:** 213VTDC6026 AA

**OUTLINE:** SS620833

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** TPE2134001 1

**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	1760&1455	213TPV	WPI	F	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB° C
3	60/50	230/460&190/380	18.4/9.2&15.4/7.7	PWS (LV ONLY) & YDRUN OR INV	CONTINUOUS	F	1.15/1.15	40

FULL LOAD EFF:	91.7&90.2	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	91.7	GTD. EFF	90.2	ELEC. TYPE	SQ CAGE INV RATED
FULL LOAD PF:	83&82	3/4 LOAD PF:	81.1	1/2 LOAD PF:	73.6				

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.4 LB-FT	100 / 50	45 LB-FT 200 %	58 LB-FT 258 %	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
63 dBA	73 dBA	1 LB-FT^2	89.5 LB-FT^2	12 SEC.	2	222 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE-10	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	SINGLE ANGULAR CONTACT	POLYREX EM	TP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6209	7309B						

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

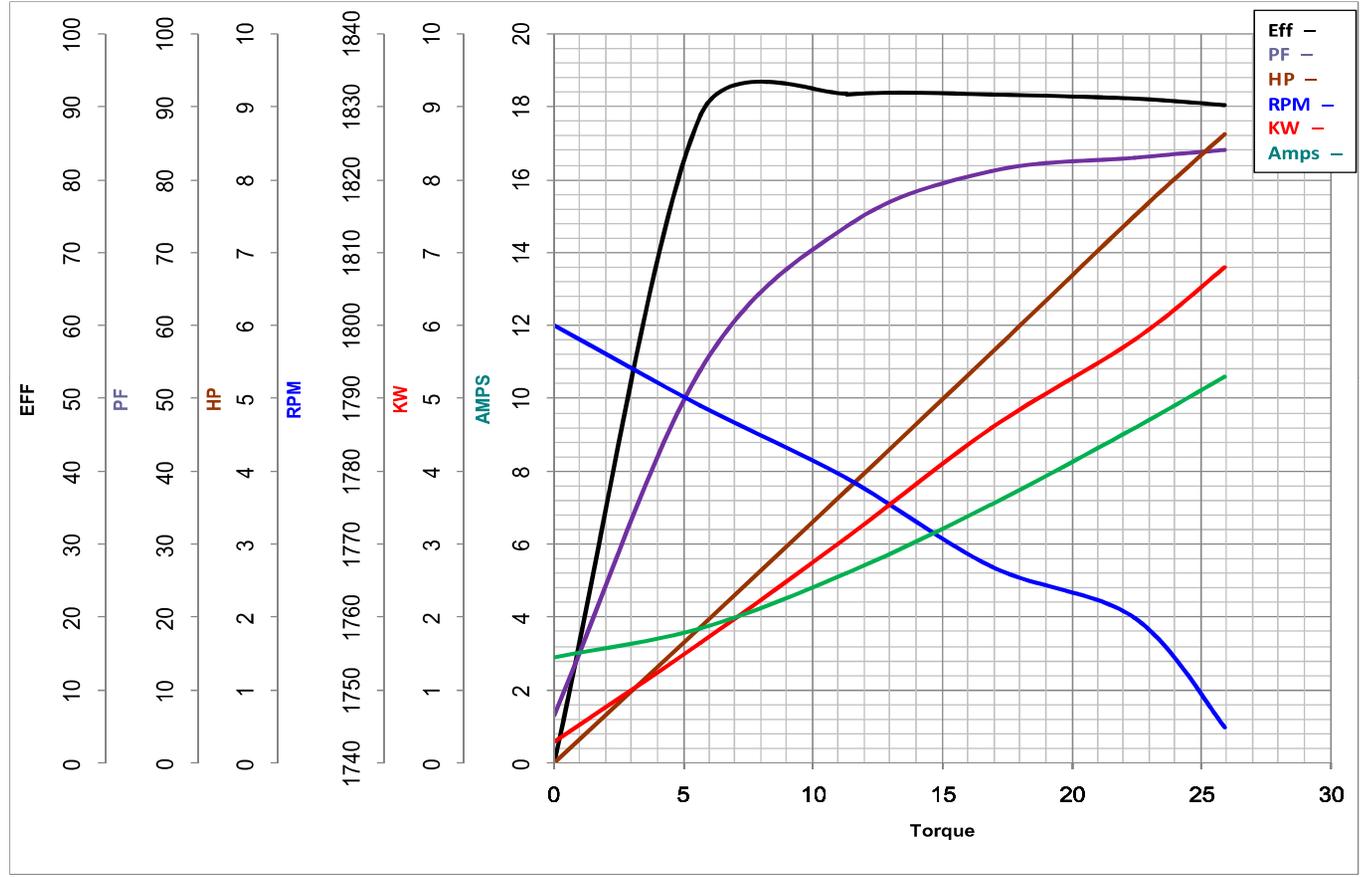
\*  
N  
O  
T  
E  
S

<b>INVERTER TORQUE:</b> VARIABLE 3:1
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> 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 213VTDC6026 60 HZ  
7.5 HP VOLTS 230/460&190/380  
 Catalog No V107A HZ 60&50 RPM 1760&1455



				Torque in Lb.Ft	
FL TORQUE	<u>22.4</u>	Lb.Ft	FL AMPS	<u>18.4/9.2</u>	
BD TORQUE	<u>58.0</u>	Lb.Ft	PU TORQUE	<u>37.1</u>	Lb.Ft
LR TORQUE	<u>45</u>	Lb.Ft	LR AMPS	<u>50</u>	
WINDING	TPE2134001-1		Date	11/5/2018	