

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 286TTFCD6026-WX  
Catalog No: 286TTFCD6026-WX  
General Purpose Motor

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The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

**Nameplate Specifications**

**Technical Specifications**

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

DATA VOLTS: 460

**CERTIFICATION DATA SHEET**

**CUSTOMER:** \_\_\_\_\_ **CUSTOMER P.O. #:** \_\_\_\_\_  
**ORDER #:** \_\_\_\_\_ **REFERENCE MODEL #:** 286TTFCD6026  
**CONN. DIAGRAM:** EE7308AA **CAT #:** GT1031A  
**OUTLINE:** SS620704-200 **CUSTOMER PART #:** \_\_\_\_\_  
**WINDING:** HA31804013 NONE 2 **MOUNTING:** F1/F2 CAPABLE  
**SPEED:** \_\_\_\_\_ **FAN:** 504205B

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
30	22.4	1800	1770	286T	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	78-71/35.5&71/35.5	(LV ONLY) & YDRUN O	CONT	F	1.15	40	3300

F.L. EFF	93.6	3/4 LD EFF	93.6	1/2 LD EFF	93.0	GTD EFF	ELECT. TYPE
F.L. PF	84.0	3/4 LD PF	81.0	1/2 LD PF	72.0	93.0	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
89.0 LB-FT	215	169 LB-FT 190%	235 LB-FT 264%	65

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
75 dBA	84 dBA	5.3 LB-FT²	225 LB-FT²	20 SEC.	2	600 LB.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	DIVISION 2 T2B	YES	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE BALL 6311	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.175	0.125	0.671	0.94	20.318	0.150	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					
	ENCODER: NONE NONE NONE					
	BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ:					
	UL: NO LETTER - ME,WUXI TEFC BLUEWHALE CLASS 1 DIV. 2					

**PREPARED BY:** \_\_\_\_\_ **DATE:** 1/30/2023  
 FORM: 3531 REV\_4 2/27/06

Data Sheet

Date: 8/6/2024  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: VESHNU G



286TTFCD6026-WX

Submittal

Data @ 460 V

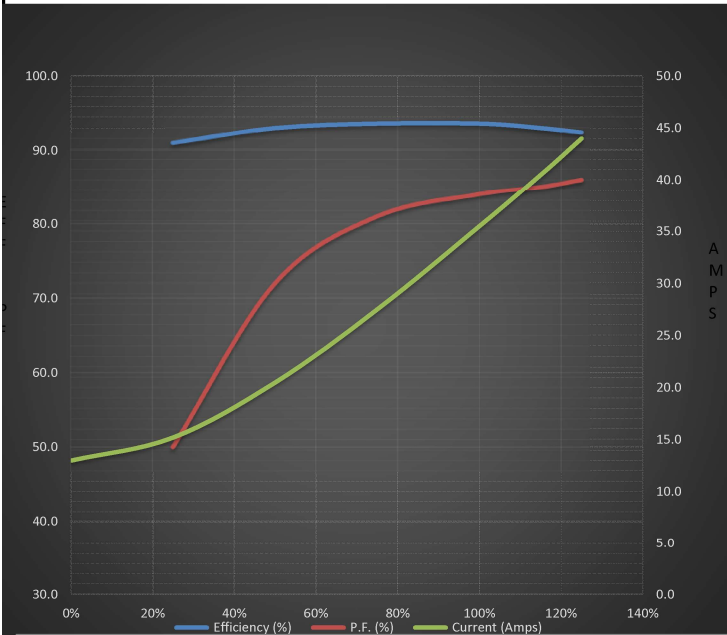
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	13.0	15.2	20.5	27.5	35.5	40.5	44.0	215
Torque (ft-lb)	#NAME?	22.0	44.0	66.5	89.0	103	112	169
RPM	1800	1792	1785	1780	1770	1,765	1762	0
Efficiency (%)		91.0	93.0	93.6	93.6	93.0	92.4	
P.F. (%)	4.5	50.0	72.0	81.0	84.0	85.0	86.0	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1650	1770	1800
Current (Amps)	215	180	129	35.5	13.0
Torque (ft-lb)	169	145	235	89.0	0.00

Information Block				
HP	30.0			
Sync. RPM	1800			
Frame	286			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3,300 feet			
Rotor/Shaft wk <sup>2</sup>	5.3 Lb-Ft <sup>2</sup>			
Ref Wdg	HA31804013 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 10:1/VARIABLE 10:1			
Outline Dwg	SS620704-200			
Conn. Diag	EE7308AA			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1750	0.1250	0.6710	0.9400	20.3180



Speed - Torque Curve

