

PRODUCT INFORMATION PACKET



Model No: LM32811

Catalog No: LM32811

General Purpose Motor, 25 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 208/415 V, 3600 & 3000 RPM,
284T Frame, TEFC



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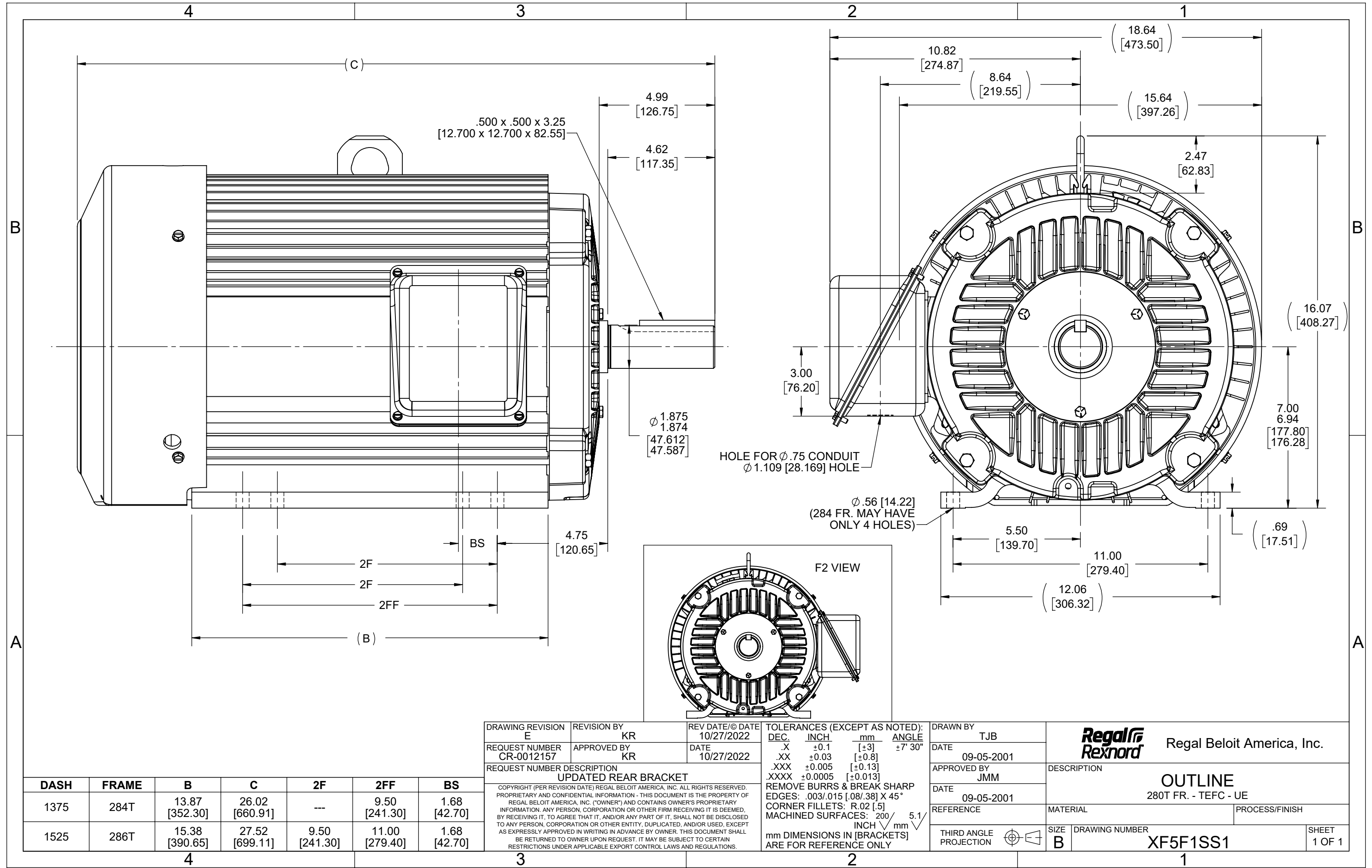


Nameplate Specifications

Phase	3	Output HP	25 & 25 Hp
Output KW	18.7 & 18.7 kW	Voltage	230/460 & 208/415 V
Speed	3535 & 2930 rpm	Service Factor	1.25 & 1.15
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	56/28 & 62/31 A	Power Factor	90.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Overall Length	26.38 in
Frame Length	13.75 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	3A217-15	Outline Drawing	XF5F1SS1-1375





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GRAFTON, WI
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CERTIFICATION DATA SHEET

CONN. DIAGRAM: 3A217-15
OUTLINE: XF5F1SS1-1375
WINDING #: L2842009 1

CATALOG : LM32811

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&25	18.7&18.7	3600	3535&2930	284T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&208/415	56/28&62/31	WYE START DELTA RUN	CONTINUOUS	F3	1.25/1.15	40

FULL LOAD EFF:	92.4&91.7	3/4 LOAD EFF:	93	1/2 LOAD EFF:	92.3	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90.5&90	3/4 LOAD PF:	89.7	1/2 LOAD PF:	84.2	90.9		SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37.2 OZ-FT	364 / 182	82 OZ-FT 220 %	115 OZ-FT 309 %	55

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6312	6209						
		POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ALUMINUM

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

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE FT-LB V NONE Hz

Data Sheet

Date: 1/31/2018

LM32811



Data @ 460 V

Motor Load Data

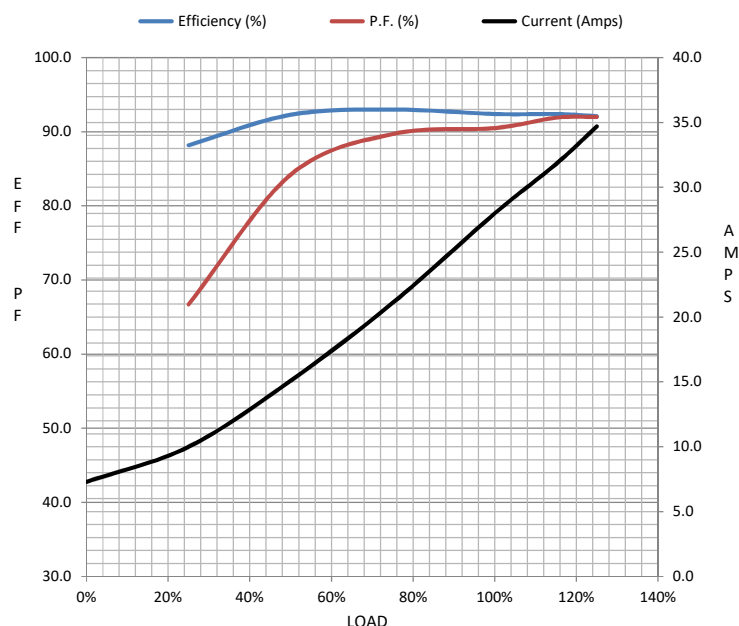
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.3	10.0	15.1	21.1	28.0	31.8	34.7	182	
Torque (ft-lb)	0.00	9.2	18.4	27.7	37.2	42.9	46.7	82.0	
RPM	3600	3585	3567	3552	3535	3,523	3516	0	
Efficiency (%)		88.2	92.3	93.0	92.4	92.4	92.1		
P.F. (%)	11.5	66.7	84.2	89.7	90.5	91.9	92.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1768	3100	3535	3600
Current (Amps)	182	164	126	28.0	7.3
Torque (ft-lb)	82.0	69.7	115	37.2	0.00

Information Block

HP	25.0			
Sync. RPM	3600			
Frame	284			
Enclosure	TEFC			
Construction	TFL			
Voltage	230/460#208/415	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	55	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	L2842009	NONE		
Sound Pressure @ 1M	999	dBa		
VFD Rating	NONE			
Outline Dwg	XF5F1SS1-1375			
Conn. Diag	3A217-15			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

