PRODUCT INFORMATION PACKET

Model No: LM21211 Catalog No: LM21211

Speed Ratio Motors, TEFC, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1782 RPM, 286T Frame



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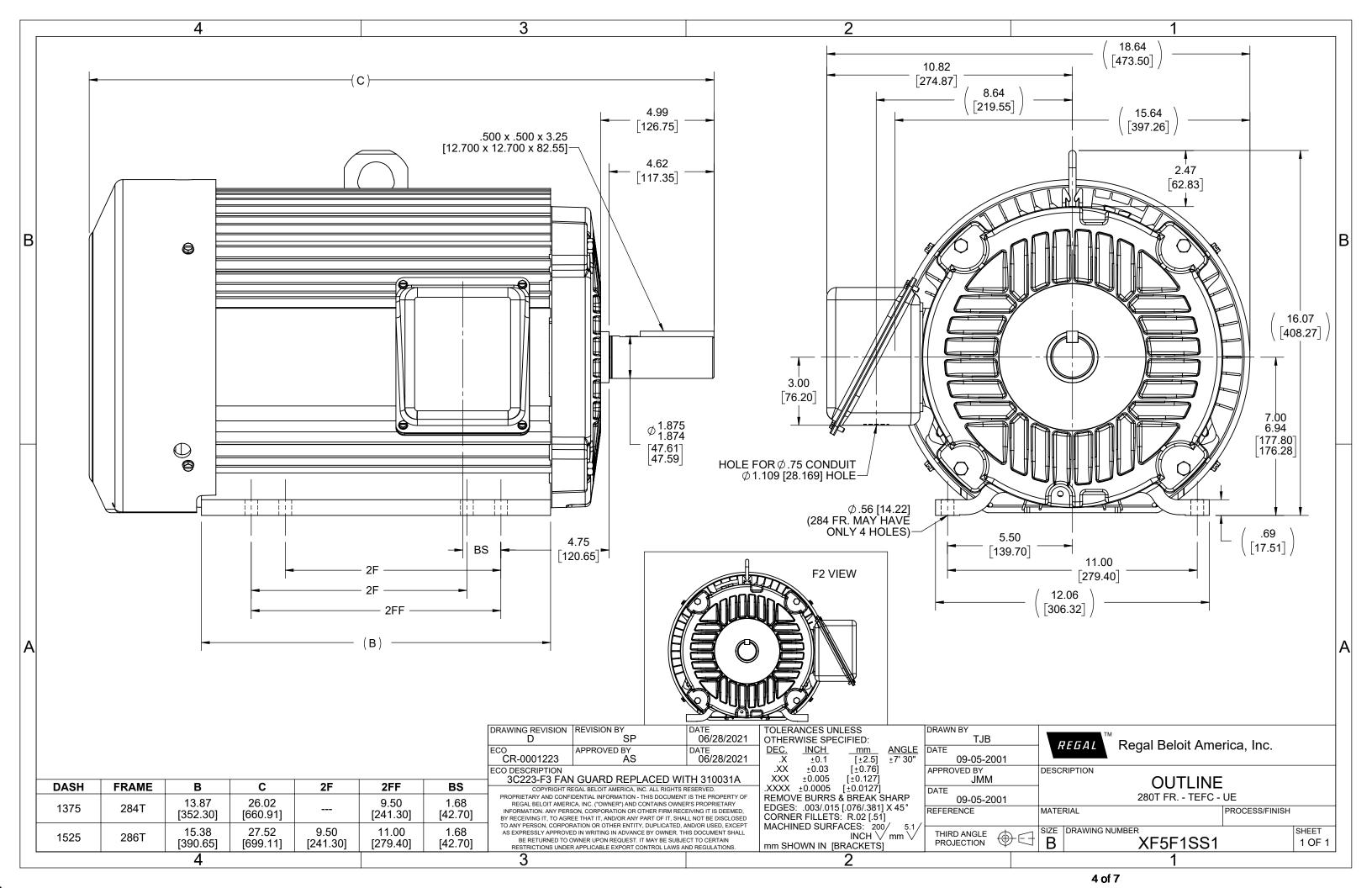
Nameplate Specifications

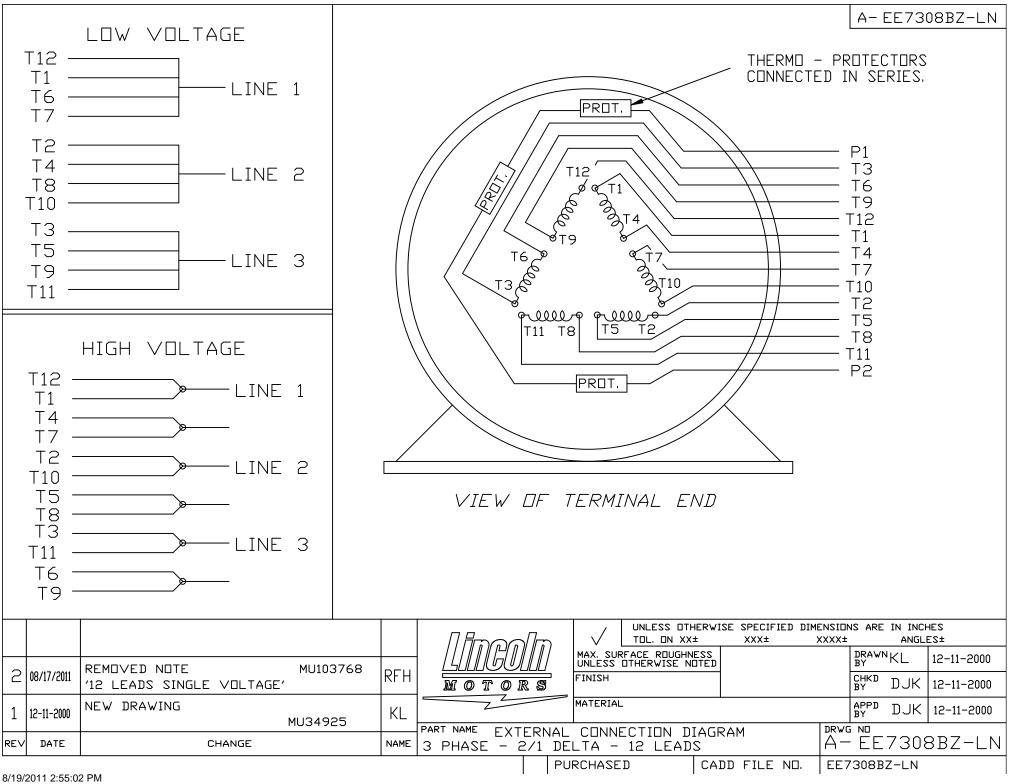
Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	80.0/40.0 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	Α	KVA Code	G
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.265 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	28.12 in
Frame Length	15.25 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 4:1		
Outline Drawing	XF5F1SS1-1525	Connection Drawing	A-EE7308BZ-LN

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2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

CONN. DIAGRAM: A-EE7308BZ-LN

WINDING #: L2864317 1 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30	22.4	1800	1782	286T	TEFC	G	Α

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	230/460	80/40	Y START D RUN OR INV	CONTINUOUS	F3	1.15	40

FULL LOAD EFF:	93	3/4 LOAD EFF:	93	1/2 LOAD EFF:	91	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	76	3/4 LOAD PF:	70	1/2 LOAD PF:	58	92.4	SQ CAGE INV DUTY

F.L. TORQU		LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORG	F.L. RISE°C	
88.5 LB- I	Т	590 / 295	285	LB-FT	322 %	225	LB-FT	254 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	5.3 LB-FT^2	- LB-FT^2	20 SEC.	-	- 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 - LINCOLN

BEAR	RINGS	GREASE	CHAFT TYPE	SHAFT TYPE SPECIAL DE SPECIAL ODE SHAFT		FRAME		
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEV EM	Ŧ	NONE	NONE	104F HOT DOLLED (C 204)	ALLINATNILINA	
6312	6209	POLYREX EM	ļ	NONE	NONE	1045 HOT ROLLED (C-204)	ALUMINUM	

	THERMISTORS	CONTROL	CDACE I	JEATEDS.			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE	IEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

*	INVERTER TORQUE: CONSTANT 4:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED
N	ENCODER: NONE
0	NONE NONE PPR
т	BRAKE: NONE NONE
Е	NONE P/N NONE NONE NONE
S	FT-LB NONE V NONE Hz

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