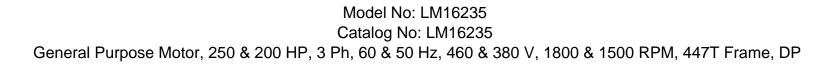
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: LM16235, Catalog No:LM16235 General Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 447T Frame, DP

Nameplate Specifications

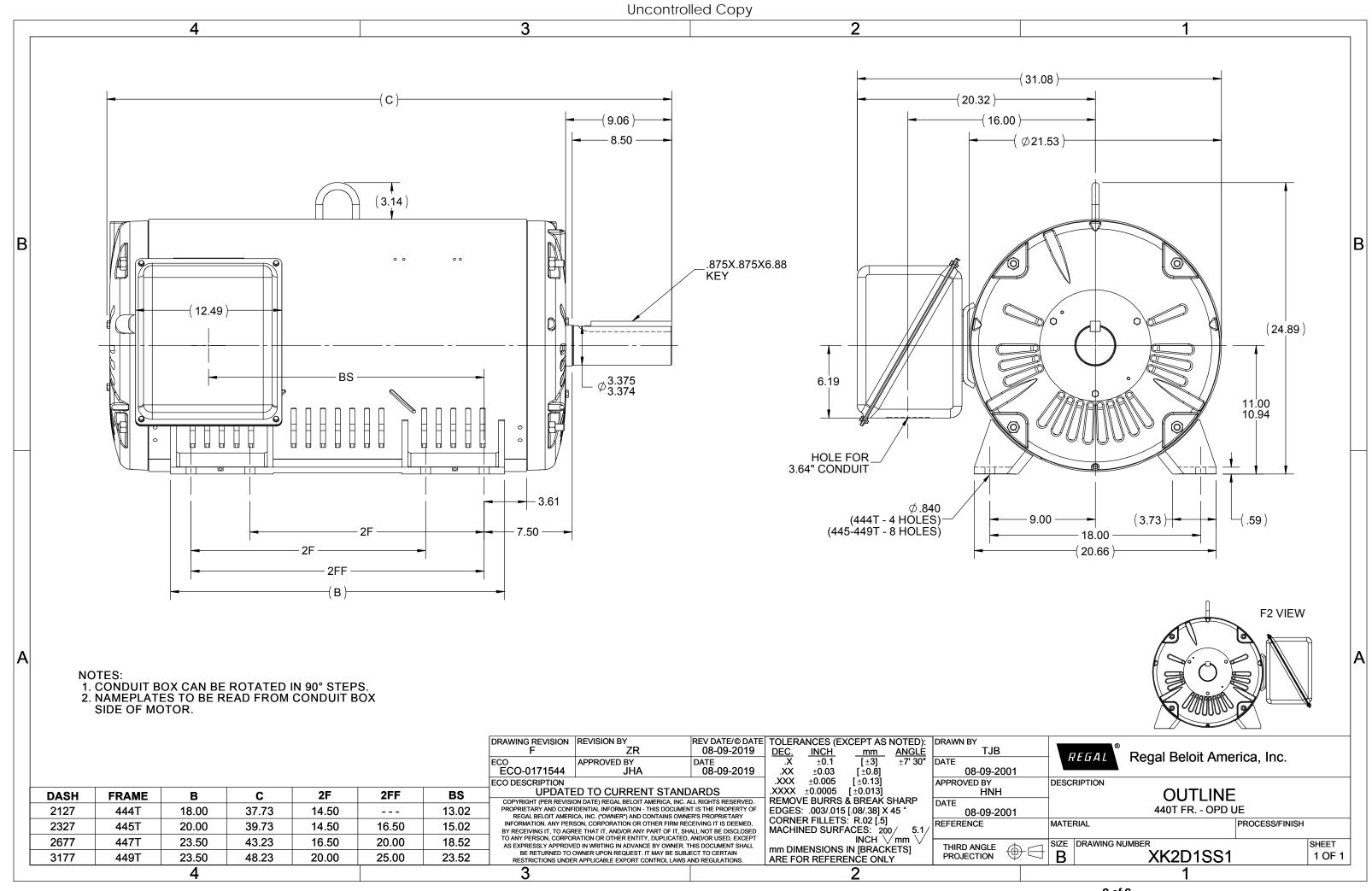
Phase	3	Output HP	250 & 200 Hp	
Output KW	187.0 & 149.0 kW	Voltage	460 & 380 V	
Speed	1785 & 1485 rpm	Service Factor	1.15 & 1.15	
Frame	447T	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	95.8 & 95 %	
Ambient Temperature	40 °C	Frequency	60 & 50 Hz	
Current	284 & 278 A	Power Factor	86	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	G	
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6315	
UL	Recognized	CSA	Y	
CE	Y	IP Code	22	
Number of Speeds	1			

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.015 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	42.93 in
Frame Length	26.77 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	XK2D1SS1-2677	Connection Drawing	A-EE7340-LN

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								EE7340-LN
	START T1 (U1) I1 T2 (V1) I2 T3 (W1) I2 T4 (U2) I3 T5 (V2) I3 T6 (W2) I1 T2 (V1) I2 T3 (W1) I2 T4 (U2) I2 T5 (V2) I2 T6 (W2) I2 T3 (W1) I2 T3 (W1) I2 T3 (W1) I2 T3 (W1) I3 NOTE: NOTE:		∆ F	T6	T1 T4	SE – Y START TOR T5 Receiver T2 T2 ERMINAL END		- T1 (U1) - T4 (U2) - T5 (V2) - T2 (V1) - T6 (W2) - T3 (W1)
	IEC LEAD MARKINGS ARE NOTED IN PARENTHESES				FRANCES			T4C
				UNLES	ERANCES S SPECIFIE INCHES	<u>l'Ingoln</u>		DRAWN BLR 10-04-1999 CHK DRS 10-04-1999
				.x	±.1	MOTORS		APPD TB 10-04-1999
3	REVISED TO MATCH M.E. ORIGINAL	TAT 07-25-2005	ML	.xx	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1
2	REVISED DRAWING MISTAKE CN 29200-2980	ERH 05-15-2003	ML	.xxx	±.005	30 – WYE START DELTA RUN		REF
1	NEW DRAWING	BLR 10-09-1999		.xxxx	±.0005	MAT'L.		FMF
	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH		PREV
NO.	1			-		+		
NO.	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT	BE USED EXCEPT	RFP			CAD FILE ee7.340 In	SIZE DRA	WING NO. PAGE OF REV
NO.	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION		RFP		LB-SB	CAD FILE ee7340_In		EE7340-LN



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

DESIGN

CONN. DIAGRAM: A-EE7308-LN

OUTLINE: B-SS601010LN-820

HP

WINDING #: 1842116 FL 6

kW

CATLOG # : LM16745

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA									
SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE					

5&5 3.70&3.70 3600 3505&2890 184TC TEFC J B	PH	Hz	VOL	.TS		AMPS	s	TART TYPE	DUTY	INSL	S.F.	AMB°C
	58	k5 3	3.70&3.70	3600)	3505&28	390	184TC	TEFC	J		В

3 60/50 230/460&380-415 11.8/5.9&7-6.8 ACROSS THE LINE CONTINUOUS F	1 112	VOLIS	AMP 3	JIAKI IIFL	DOTT	INSL	3111	APID C
	60/50	230/460&380 - 415	11.8/5.9&7-6.8	ACROSS THE LINE	CONTINUOUS	F3	1.25/1.0	40

FULL LOAD EFF:	89.5&87.5	3/4 LOAD EFF:	89	1/2 LOAD EFF:	88.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	89&90	3/4 LOAD PF:	85.5	1/2 LOAD PF:	77.5	87.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	81 / 40.5	11.5 LB-FT 153 %	22.5 LB-FT 300 %	45

	PRESSURE 3 FT.	SOUND	POWER	ROTO	R WK^2	МА	X. WK^2	SAFE ST	ALL TIME	STARTS / HOUR		PROX. DR WGT
72	dBA	82	dBA	0.28	LB-FT^2	5	LB-FT^2	15	SEC.	2	80	LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (ENAMEL)

BEAR	RINGS	CREASE				SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL		Ŧ	NONE	NONE		
207	205	POLYREX EM		NONE	NONE	1144 STRESSPROOF (C-223)	ALUMINUM

	THERMO-PROTE	CTORS	THERMICTORS	CONTROL		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS
*				INVERTER TORQUE: INV. HP SPEED RANG		
Ν				ENCODER: NONE		
0				NONE NONE NONE		
т				BRAKE: NONE	NONE	
E				NONE P/N NO NONE NONE FT-LB V I	NE NONE HZ	
S			l		NUNE HZ	

*

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	Date	1/18/2	2018		Data S	neet			LM16235		
af 9% 9% 9% 9% 9% 11% 12% 14% 14% 1 que (0.6) 0.00 133 366 550 276 347 352 1,555 1 met M 1800 1770 1778					 ={	SON	R		Data	@ 460	v
Bit 0 193 197 218 238 328 329 1,725 Image (he) 1930 1930 1770									1		
set et-log 1000 133 366 1500 778 147 922 1.822 1 bieleey Fly 4.5 85.0 95.4 85.0 95.4 95.0 <										_	-
Main 1920 1777 1733 1790 1785 1783 1920 0 Main 4.3 5.5 1780 1780 1780 0 Main 4.3 5.5 1780 1780 1780 1780 1780 0 Main A.3 5.5 1780 1											-
Description 4.5 93.0 95.4 95.8 95.4 95.0											1
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ext (PPAP) 0 900 1725 1726 1800 Information Block pert (Peap) 1355 13500 1350 1350 1		IB	Bull Lin	PD	Potod	Idlo					
Term (Hesp) 1.25 1.550 1.155 284 81.0 HP 92.0 The (Hesp) 1.255 1.550	ed (RPM)		-				_		Information Block		
Test 1.350 1.550 725 0.00 Sync. RPM 1900 00.0							HP		1		
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Bit Production Bit Pro	100.0					400.0	Construction		TDR		
000 0000 000 000							Voltage		460#380	V	
Juint B LI Code letter G Service Factor 1.15 Temp Rise ØFL 50 Output 40 Output 40 Output 40 Output 40 Service Factor 1.15 Temp Rise ØFL 50 Output 40 Service Factor 1.000 Service Service 1.000 Service Service Service 1.000 Service Service Service 1.000 Service Service Service 1.000 Service Service Service Service 1.000 <td></td> <td></td> <td></td> <td></td> <td></td> <td>350.0</td> <td>Frequency</td> <td></td> <td>60</td> <td>Hz</td> <td></td>						350.0	Frequency		60	Hz	
800 000 115 100 100 100 100 100 000 1000 1000 100 000 000 1000 100 000 000 000 1000 100 000 000 1000 1000 100 000 000 1000 1000 000 000 000 1000 000 00070 0.0170 0.0170 1000 000 000 1000 000 00070 0.0170 0.0170 0.0170 1000 000 000 1000 000 0.0070 0.0170 0.0170 0.0170 1000 000 000 1000 0.0070 0.0170 0.1350 3.000 1000.0 1000	90.0					330.0	Design		В		
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70.0 Image: Second						250.0 M				°C	
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Sound Pressure @ 1M 999 dBA VED Raing NONE NONO 0.0070 NONO 0.0070 NONO 0.0070 NONO 0.0070 Nono 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>20010</td><td></td><td></td><td></td><td></td><td></td></tr<>						20010					
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0 0	50.0						VFD Rating		NONE		
40.0 iso.0 iso.0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td>100.0</td><td>Outline Dwg</td><td></td><td>XK2D1S5</td><td>51-2677</td><td></td></th<>						100.0	Outline Dwg		XK2D1S5	51-2677	
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0% 20% 40% 60% 100% 120% 140% Image: Note of the state of the sta	30.0					0.0	0	EQU	IV CKT (OHMS / PHASE)		
		40%	60% 80%	100%	120% 1		R1			X2)
			LOAD				0.0070	0.0070	0.1010	0.1350	3.
14000 1400.0 1200.0 T 0 1000.0 R 0 0 800.0 E 600.0 400.0 200.0 0,0 	1800.0			Tc		Forque C				2000.	0
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600.0	1400.0 1200.0 T O 1000.0 R									1400.	0 A M 0 P
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