PRODUCT INFORMATION PACKET

Model No: LM21205 Catalog No: LM21205

Speed Ratio Motors, TEFC, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1765 RPM, 256T Frame



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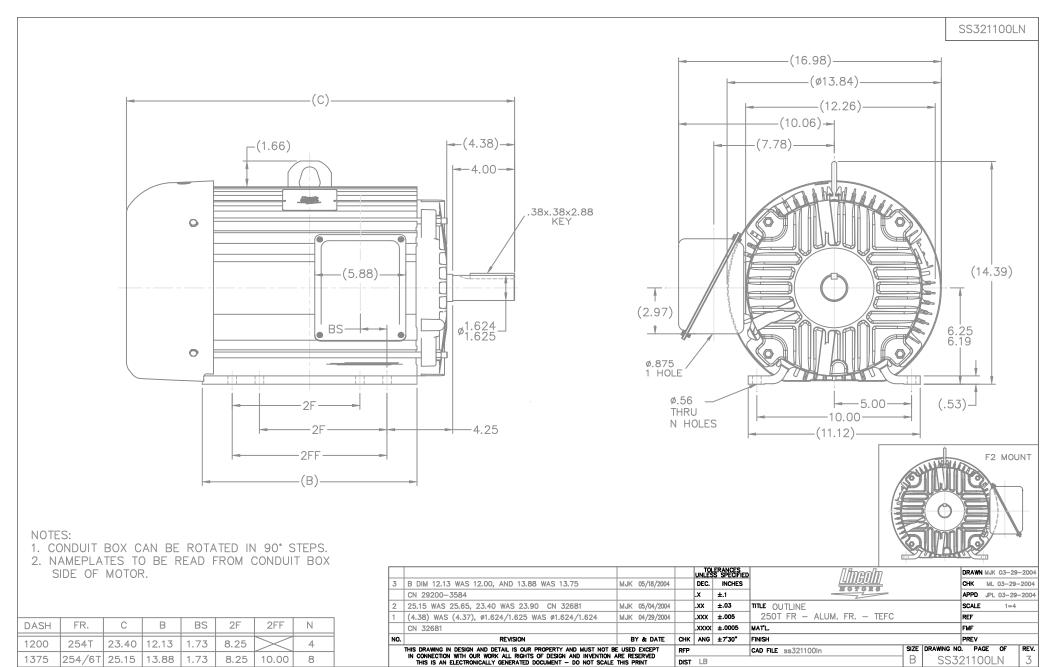
Nameplate Specifications

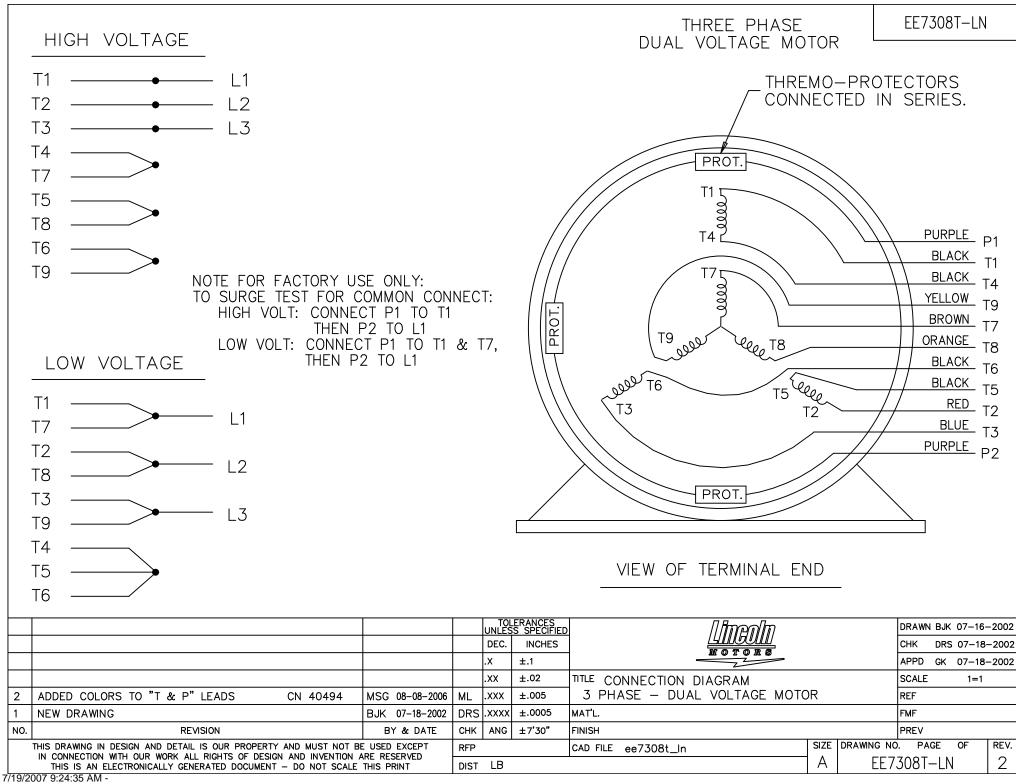
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	50.0/25.0 A	Speed	1765 rpm
Service Factor	1	Phase	3
Efficiency	91 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	F
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	208
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.468 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	т	Overall Length	25.15 in
Frame Length	13.75 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 4:1		
Connection Drawing	A-EE7308T-LN	Outline Drawing	B-SS321100LN-1375

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7308T-LN

OUTLINE: B-SS321100LN-1375

CATALOG #: LM21205

WINDING #: K2564181 R20 6 **MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1800	1765	256T	TEFC	F	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	230/460	50/25	INVERTER ONLY	CONTINUOUS	F3	1.0	40

FULL LOAD EFF:	91	3/4 LOAD EFF:	91	1/2 LOAD EFF:	90.2	GTD, EFF	ELEC. TYPE
FULL LOAD PF:	82	3/4 LOAD PF:	79.5	1/2 LOAD PF:	70	89.5	SQ CAGE INV DUTY

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE				B.D. TORO	F.L. RISE°C	
59.5 LB-FT	280 / 140	108	LB-FT	182 %	145	LB-FT	244 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	2.7 LB-FT^2	- LB-FT^2	- SEC.	-	400 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)

BEAR	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE			SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	Ŧ	NONE	NONE	1045 HOT BOLLED (C 204)	A L LINATNILINA	
309	208	POLYREX EM T		NONE	NONE	1045 HOT ROLLED (C-204)	ALUMINUM	

	THERMICTORS	CONTROL	SDACE HEATEDS					
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE	SPACE HEATERS	
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS	

* INVERTER TORQUE: CONSTANT 4:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

NONE NONE

NONE NONE NONE T-LB NONE V NONE HZ

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