# **PRODUCT INFORMATION PACKET**

Model No: LM21171 Catalog No: LM21171 Speed Ratio Motors, Drip Proof, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1760 RPM, 256T Frame



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Product Information Packet: Model No: LM21171, Catalog No:LM21171 Speed Ratio Motors, Drip Proof, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1760 RPM, 256T Frame

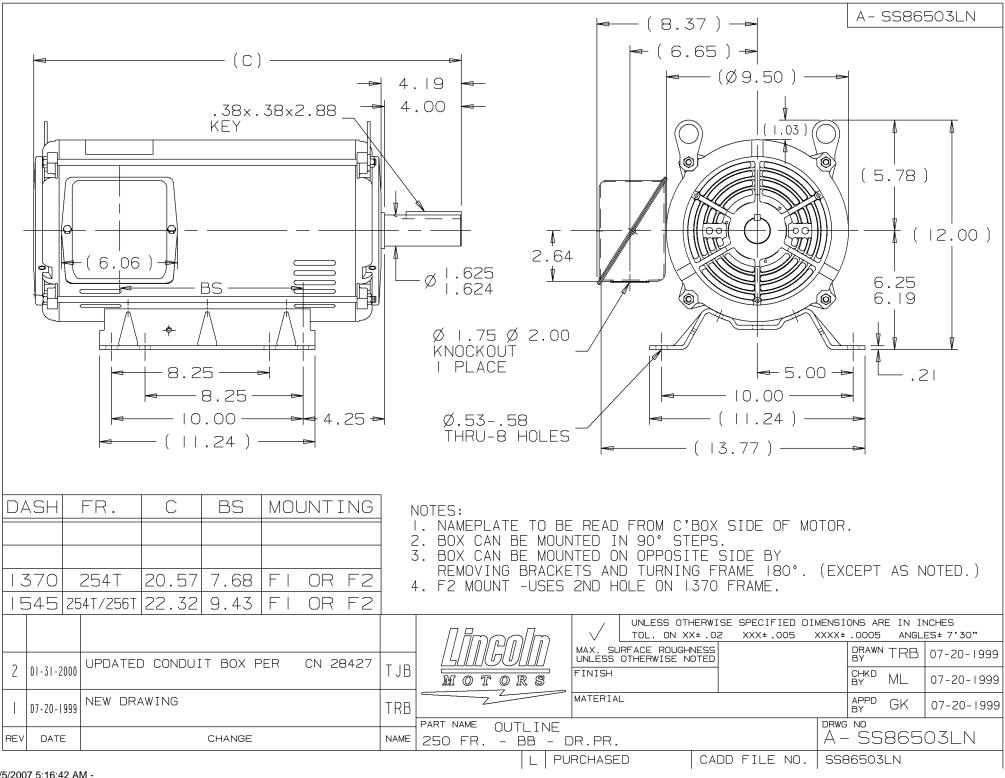
# Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	52.0/26.0 A	Speed	1760 rpm
Service Factor	1	Phase	3
Efficiency	91 %	Power Factor	79.3
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	Н
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	208
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

# **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.428 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	22.32 in
Frame Length	15.45 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS86503LN-1545	Connection Drawing	A-EE7308T-LN

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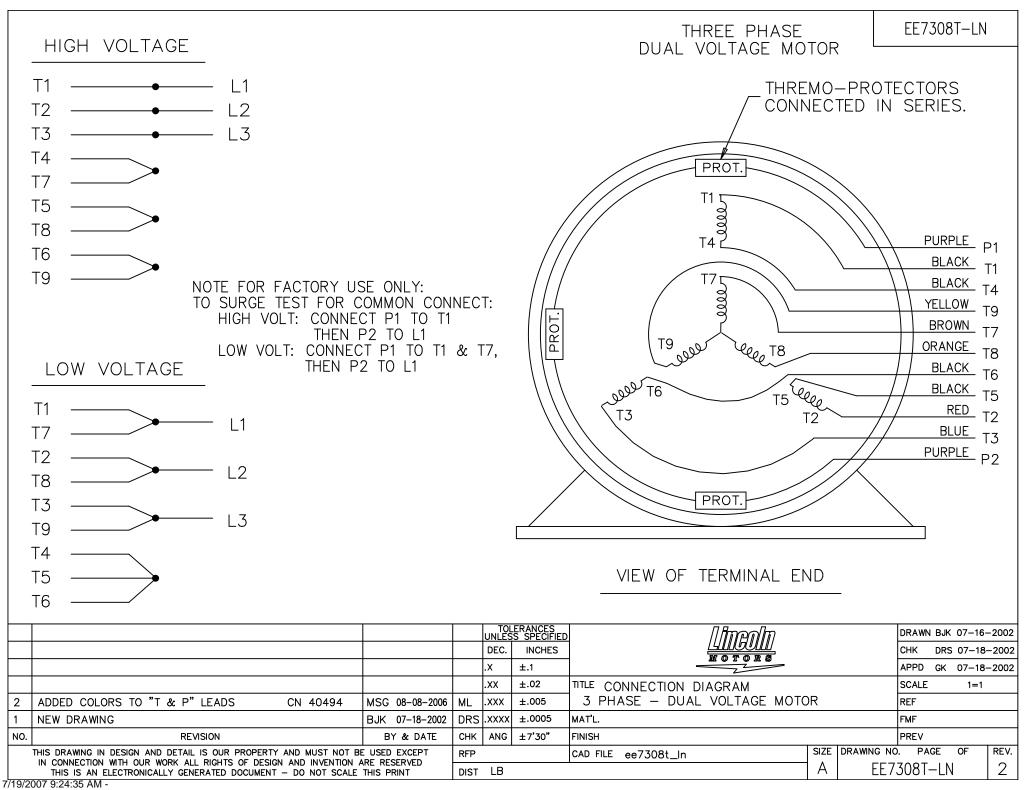
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## CATALOG #: LM21171

OUTLINE: A-SS86503LN-1545

**WINDING #:** K2154280 R3 6

CONN. DIAGRAM: A-EE7308T-LN

### MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA										
HP	P kW SYNC. RPM F.L. RPM FRAME ENCLOSURE KVA CODE DESI						DESIGN			
20	14.9	1800	1760	256T	DP	Н	INV			

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	52/26	INVERTER ONLY	CONTINUOUS	F3	1.0	40

FULL LOAD EFF:	91	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	79.3	3/4 LOAD PF:	74	1/2 LOAD PF:	63	89.5	SQ CAGE INV DUTY

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.5 <b>LB-FT</b>	320 / 160	145 <b>LB-FT</b> 244 %	175 <b>LB-FT</b> 294 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
70 <b>dBA</b>	80 <b>dBA</b>	1.7 LB-FT^2	- LB-FT^2	- SEC.	-	185 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	INGS	GREASE	SHAFT TYPE SPECIAL DE SPEC		SPECIAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE		ROLLED STEEL
309	208	POLIKEX EM		NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

	THERMO-PROTECT	TUERMICTOR	CONTROL	CDACE	IFATERO		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE	HEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

*	INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
0	NONE NONE NONE PPR
т	BRAKE: NONE NONE
Ε	NONE P/N NONE NONE NONE
S	FT-LB V NONE HZ

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