PRODUCT INFORMATION PACKET

Model No: 171639.60 Catalog No: 171639.60 Severe Duty Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM, 286T Frame, TEFC



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LEESON

Nameplate Specifications

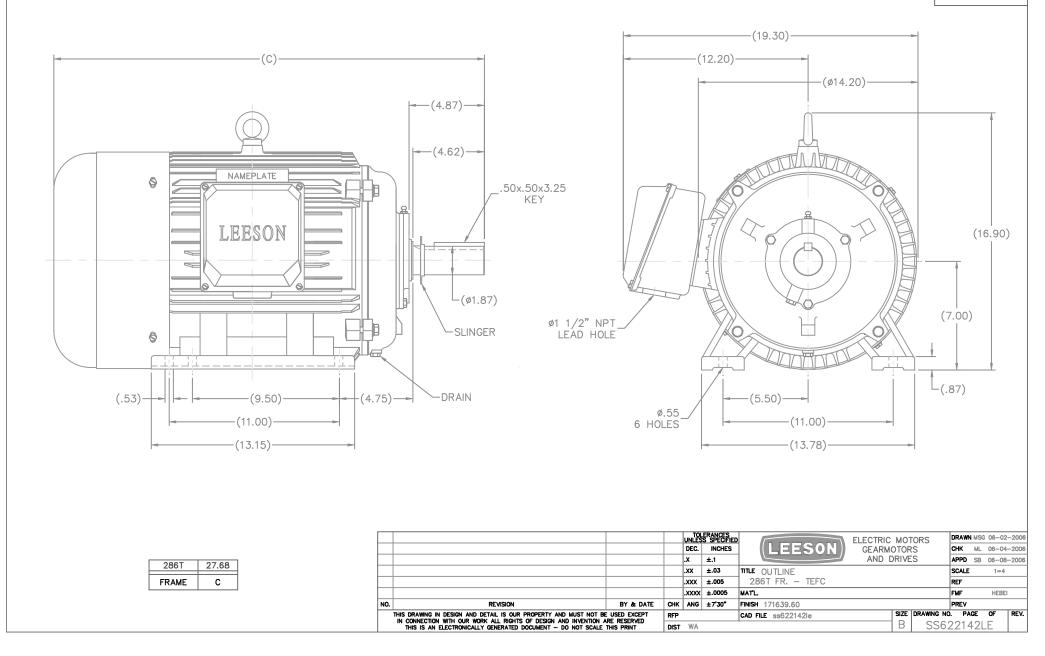
Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	208-230/460 & 190/380 V
Speed	1185 & 980 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 91.7 %
Ambient Temperature	ent Temperature 40 °C		60 & 50 Hz
Current	58-54/27 & 48/24 A	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

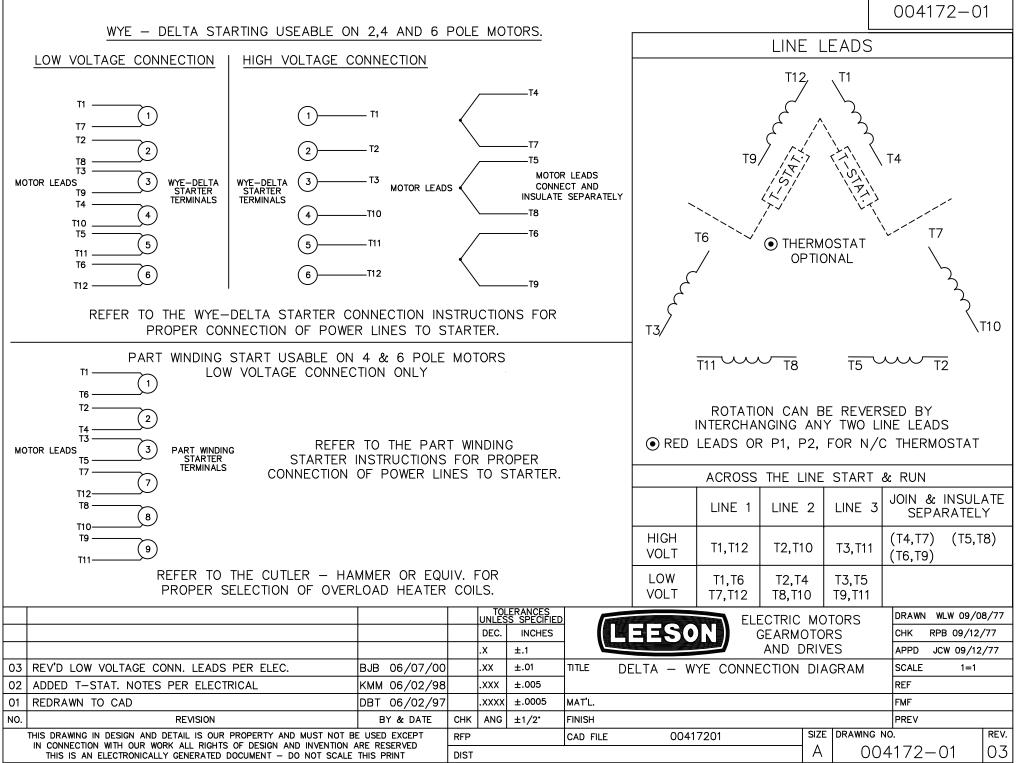
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated Starting Method		Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	Т
Overall Length	27.68 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS622142LE	Connection Drawing	00417201

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SS622142LE







1051 CHEYENNE AVE. GRAFTON, WI 53024 PH. 262-377-8810

CATALOG #: 171639.60

CONN. DIAGRAM: 00417201

OUTLINE: SS622142LE **WINDING #:** T14506013 FR 3

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1200	1185&980	286T	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60/50	208-230/460&190/380	58-54/27&48/24	Y START D RUN OR INV	CONTINUOUS	F5	1.25/1.15	40

FULL LOAD EFF:	92.4&91.7	3/4 LOAD EFF:	92.4	1/2 LOAD EFF:	91	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	75&77.6	3/4 LOAD PF:	70	1/2 LOAD PF:	59.2	91	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS			L.R. TORQUE			B.D. TORQUE				
88 LB-F	Г	290 / 145	142	LB-FT	160 %	230	LB-FT	260 %	55	1

SOUND PRESSURE @ 3 FT.		SOUND	POWER	ROTO	ROTOR WK^2		MAX. WK^2		SAFE STALL TIME		APPROX. MOTOR WGT	
55.5	dBA	65.5	dBA	6.64	LB-FT^2	6.6	LB-FT^2	15	SEC.	2	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	TRUE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAR	INGS	CREASE		SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SHAFT TYPE SPECIAL DE		MATERIAL	MATERIAL	
BALL	BALL		Ŧ	NONE				
NONE	NONE	POLYREX EM	I	NONE	NONE	AISI 1045 (C-240)	CAST IRON	

	THERMO-PROTE	CTORS	THERMICTORS	CONTROL	SPACE HEATERS		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	- THERMISTORS	CONTROL	SPACE MEATERS	
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS	
*				INVERTER TORQUE: INV. HP SPEED RANG		Г 10:1	
Ν				ENCODER: NONE			
ο				NONE NONE NONE	PPR		
т				BRAKE: NONE	NONE		
E				NONE P/N NO NONE NONE			
S				NONE FT-LB NO	DNE V	NONE HZ	

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