PRODUCT INFORMATION PACKET



Catalog No: 170011.60 WATTSAVER® General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 284T Frame, TEFC



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LEESON

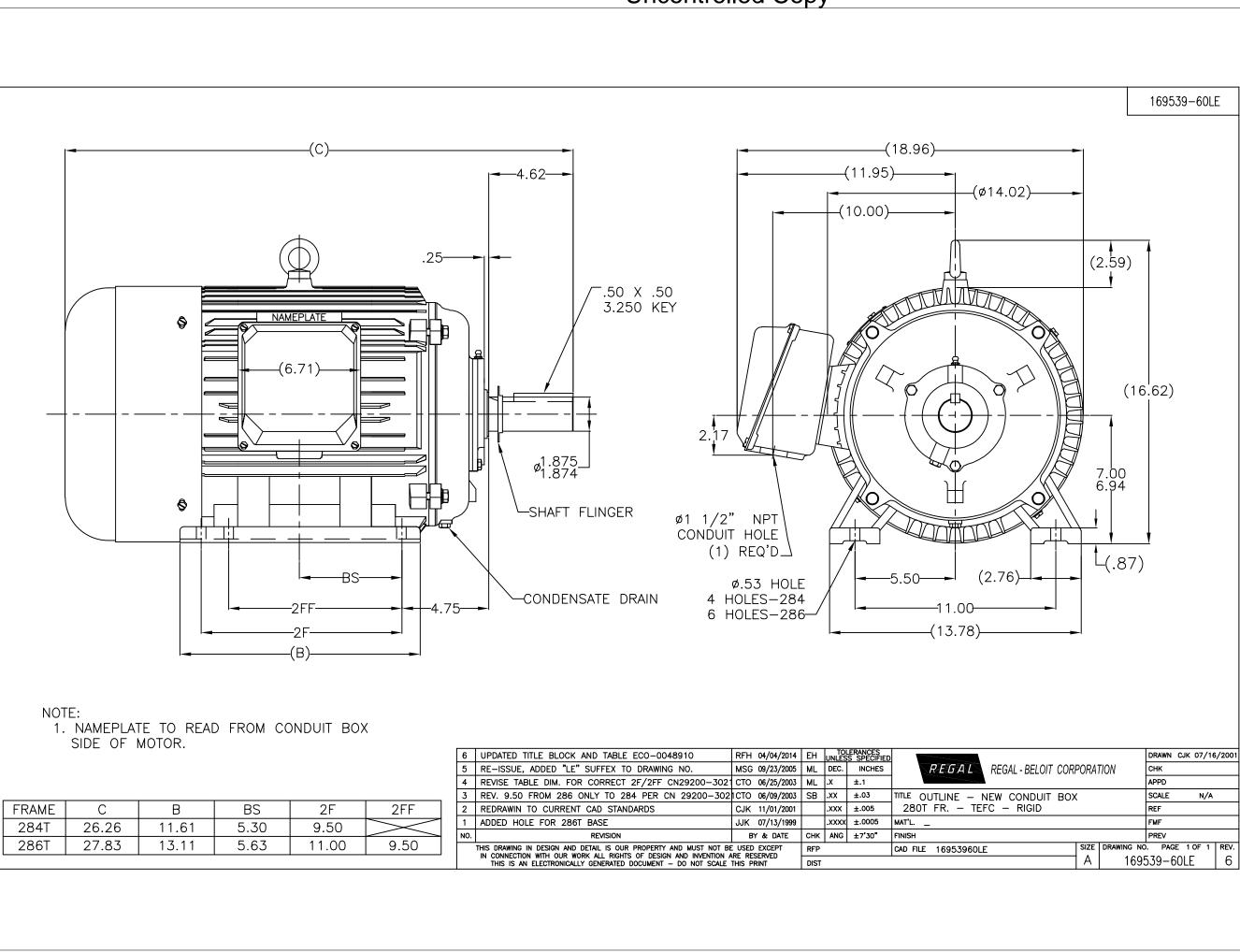
Nameplate Specifications

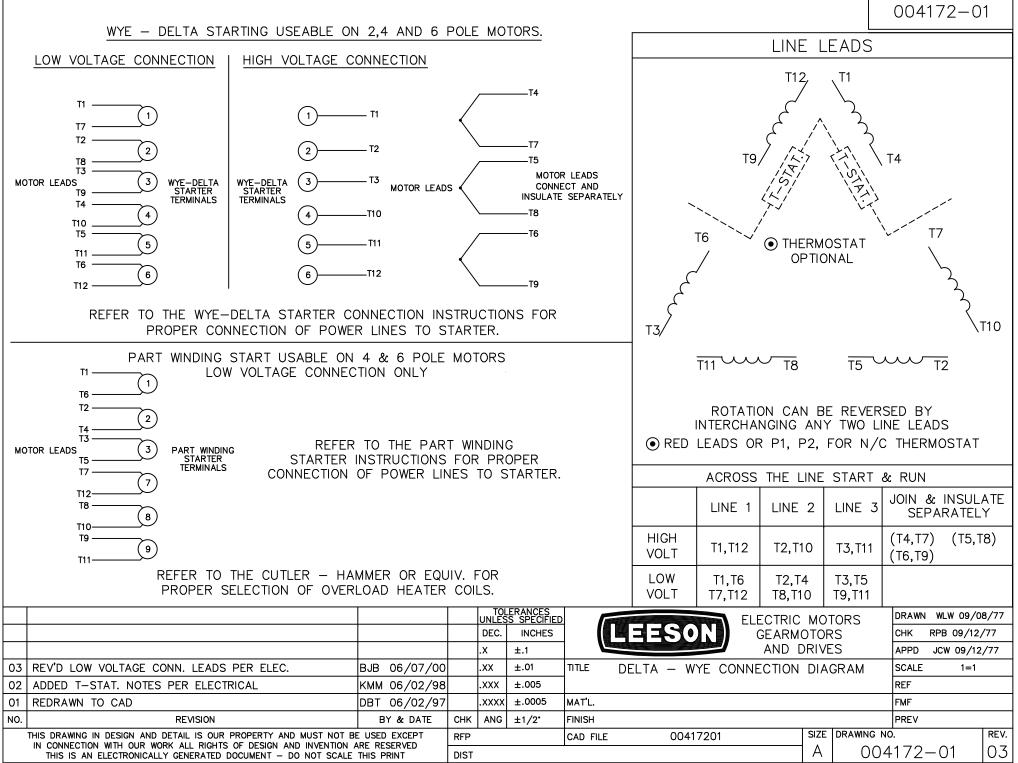
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	208-230/460 & 190/380 V
Speed	1782 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	66-58.5/29.3 & 60/30 A	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	Α	KVA Code	н
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.058 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	27.83 in
Shaft Diameter	1.875 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16953960LE-284T	Connection Drawing	004172.01

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

CATALOG #: 170011.60

CONN. DIAGRAM: 004172.01

OUTLINE: 16953960LE-284T WINDING #: T14504005 3

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	1800	1782&1480	284T	TEFC	Н	A

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
З	60/50	208-230/460&190/380	66-58.5/29.3&60/30	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	93&93	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	78&80.5	3/4 LOAD PF:	80	1/2 LOAD PF:	69	92.4	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
73.5 LB-FT	400 / 200	145 LB-FT 197 %	225 LB-FT 306 %	45

5	SOUND P @ 3	RESSURE	SOUND	POWER	ROTO	R WK^2	MA	X. WK^2	SAFE ST	ALL TIME	STARTS / HOUR		ROX. R WGT
	75	dBA	85	dBA	4.23	LB-FT^2	-	LB-FT^2	20	SEC.	2	394	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	BLUE (ENAMEL)

BEAR	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL		т.	NONE	NONE		
6311	6309	POLYREX EM	Ι	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

		THERMO-PROTECT	ORS		TUERMICTORS	CONTROL	CDACE	
	THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE	HEATERS
	TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS
*					NVERTER TORQUE: NV. HP SPEED RANG		10:1	
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0					IONE NONE	PPR		
т				Ē	RAKE: NONE	NONE		
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Е				٦	IONE NONE			
s				1	IONE FT-LB NO	NE V r	NONE HZ	

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set (Heb) 100 115 37.5 56.0 77.3 14.5 10.5 14.5 10.5 being (Pg) 10.0 115 17.5 17.70 17.72 <th>bad</th> <th>0%</th> <th>25%</th> <th>50%</th> <th></th> <th></th> <th>115%</th> <th>125%</th> <th>LR</th> <th></th> <th></th>	bad	0%	25%	50%			115%	125%	LR		
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Billing Puic Bills	rque (ft-lb)										-
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