

PRODUCT INFORMATION PACKET



Model No: 171516.60

Catalog No: 171516.60

WATTSaver® General Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM,
447/449T Frame, TEFC



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Nameplate Specifications

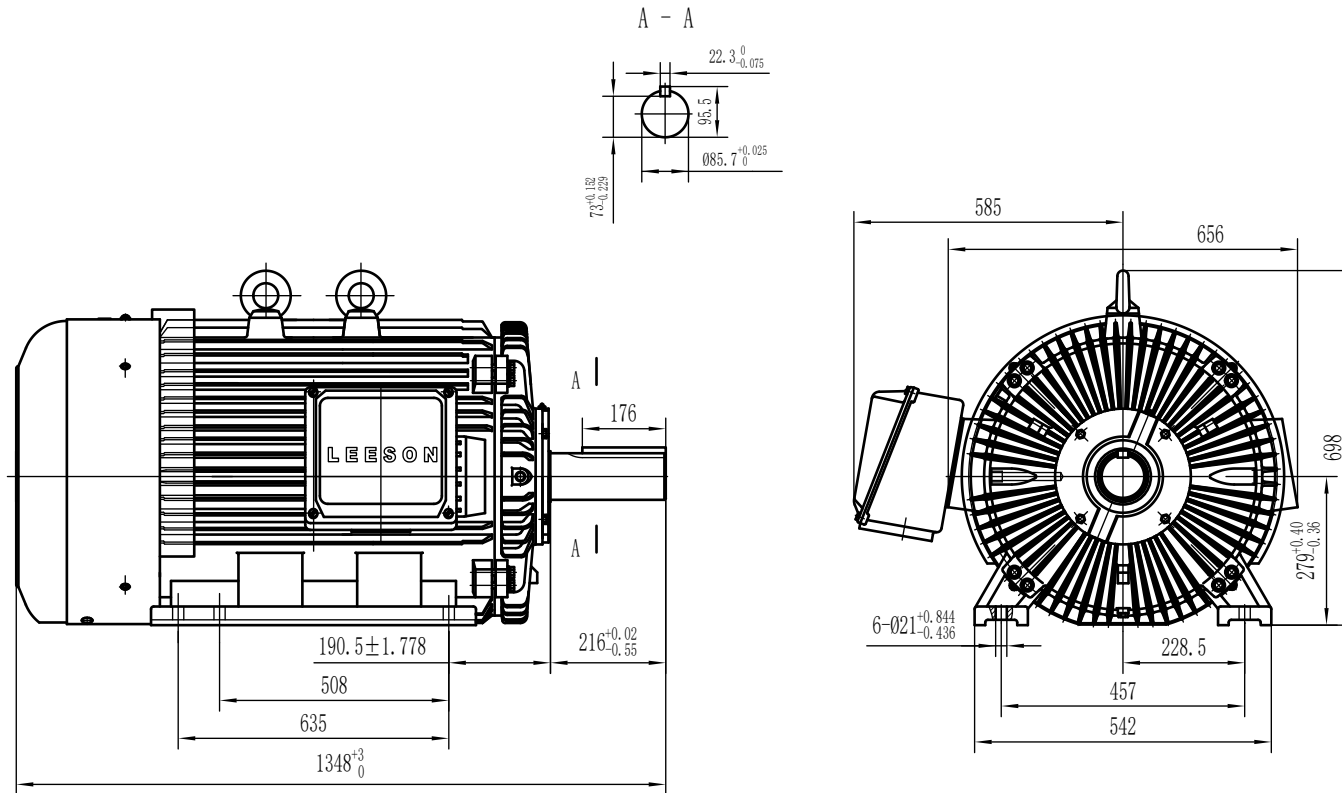
Phase	3	Output HP	250 & 200 Hp
Output KW	187.0 & 149.0 kW	Voltage	460 & 380 V
Speed	1789 & 1490 rpm	Service Factor	1.15 & 1.15
Frame	447/449T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	96.5 & 96.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	270 & 265 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
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
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	53.14 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620857	Connection Drawing	005190.01

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SS620857



				TOLERANCES UNLESS SPECIFIED		REGAL Regal-Beloit Corporation	DRAWN	
				DEC.	INCHES		CHK	
				.X	±.1	TITLE OUTLINE- 449T 171516.60, 171529.60, 171530.60	APPD	
				.XX	±.03		SCALE	
				.XXX	±.005		REF	
A	RELEASED FOR PRODUCTION	ECO-0130302	WGJ 8-29-17	EMH	.XXXX ±.0005	MAT'L.	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	FINISH	PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT						RFP	CAD FILE	SIZE
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								SS620857
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**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CERTIFICATION DATA SHEET

CATALOG #: 171516.60

CONN. DIAGRAM: 005190.01

OUTLINE: SS620857

MOUNTING: F1/F2 CAPABLE

WINDING #: T22804033 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
250&200	187&149	1800	1789&1490	447/449T	TEFC	F	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	270&265	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	96.5&96.2	3/4 LOAD EFF:	96.8	1/2 LOAD EFF:	96.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90&90	3/4 LOAD PF:	90	1/2 LOAD PF:	84	-		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
734 LB-FT	1710	1165 LB-FT 159 %	1945 LB-FT 265 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	81 LB-FT^2	- LB-FT^2	- SEC.	-	2515 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	GREEN - LEESON WATTSaver

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6319	6317						

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

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INVERTER TORQUE: CONSTANT 2:1/VARIABLE 20:1 INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

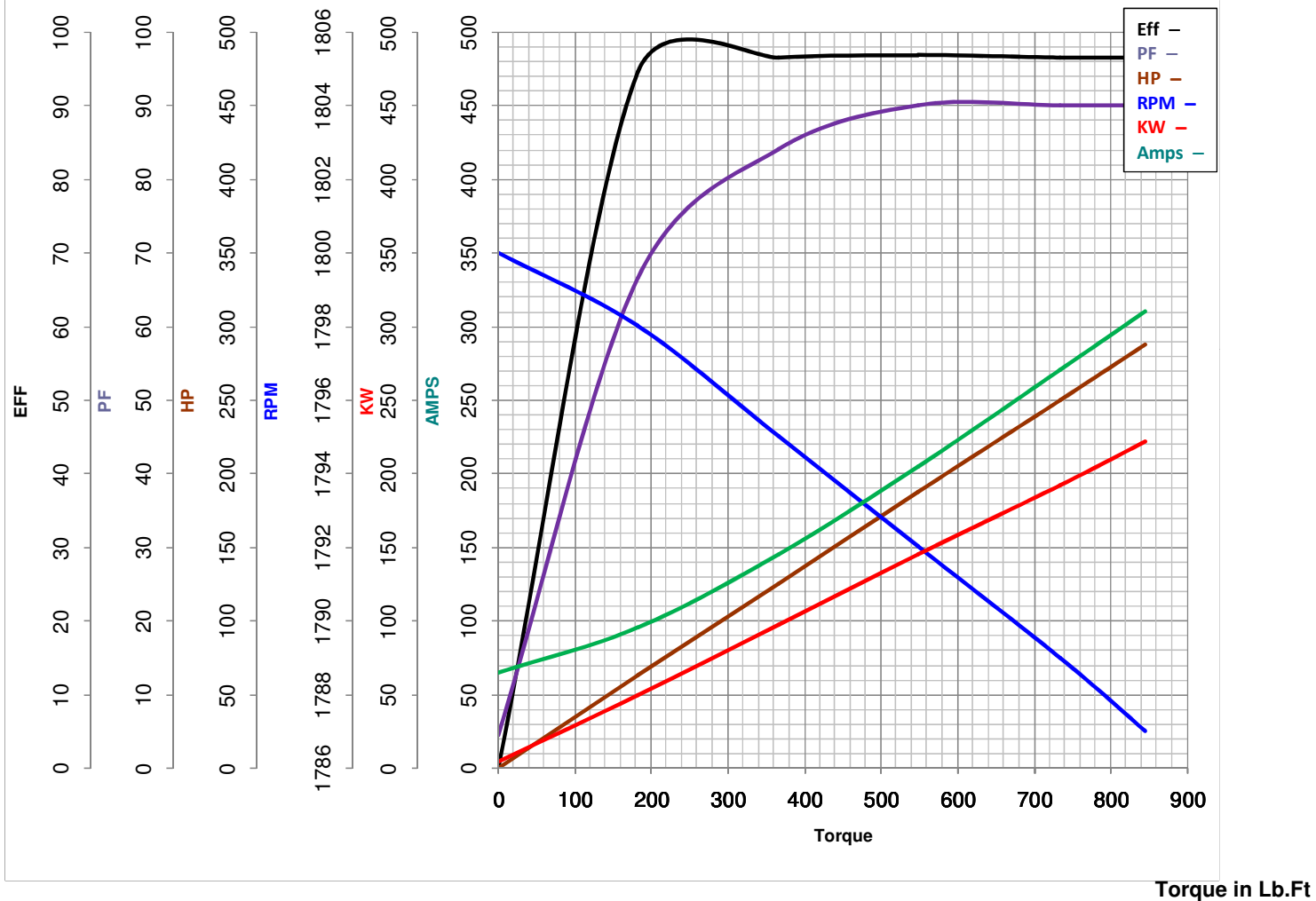


LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 171516.60Catalog No 171516.60

Curve at

460
60
250Volts
HZ
HPHP 250&200VOLTS 460&380PHASE 3HZ 60&50RPM 1789&1490

FL TORQUE 734 Lb.Ft
 BD TORQUE #### Lb.Ft
 LR TORQUE 1165 Lb.Ft

WINDING T22804033-1

FL AMPS 270
 PU TORQUE 1050.0 Lb.Ft
 LR AMPS 1710

Date 6/5/2018