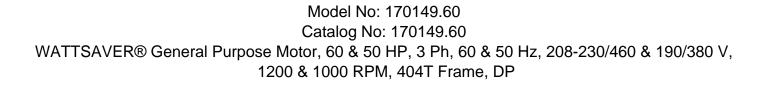
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 170149.60, Catalog No:170149.60 WATTSAVER® General Purpose Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM, 404T Frame, DP

LEESON

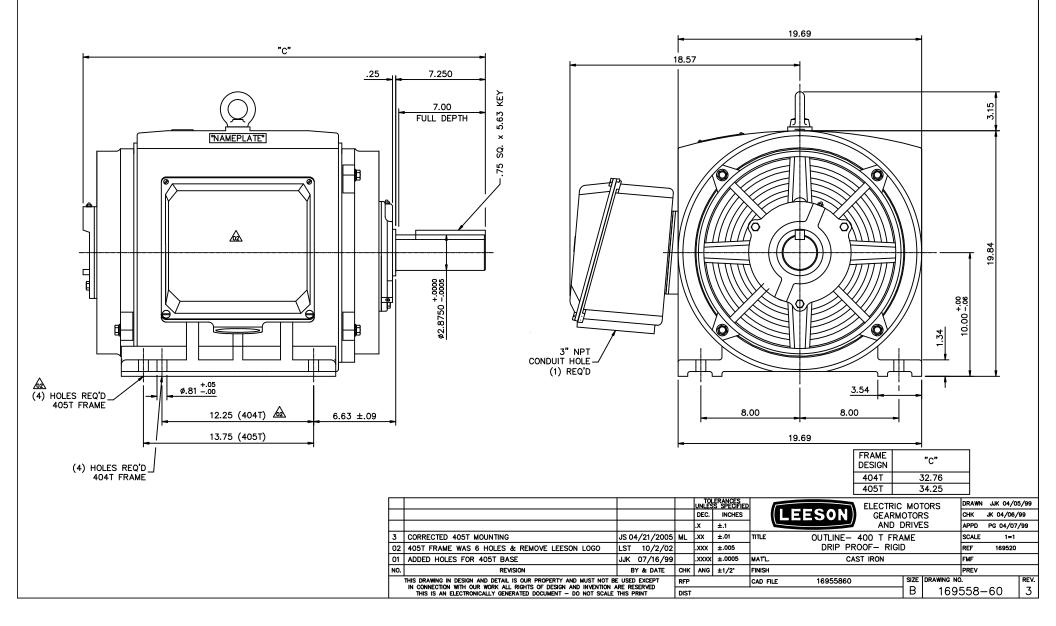
Nameplate Specifications

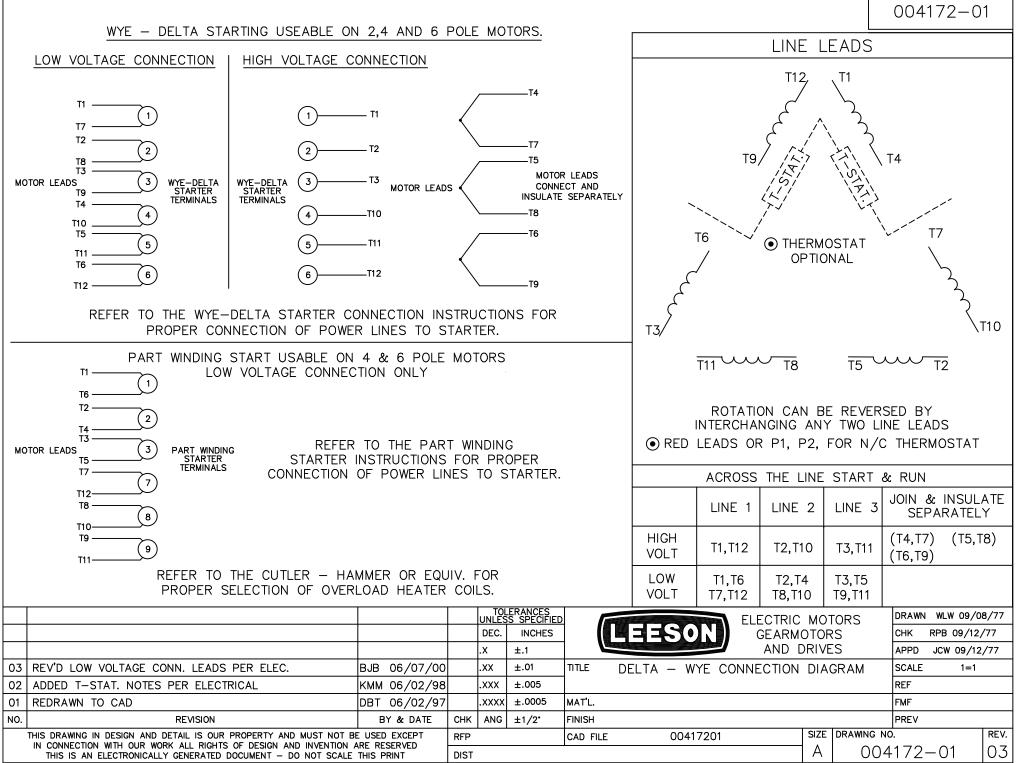
Phase	3	Output HP	60 & 50 Hp
Output KW	45.0 & 37.0 kW	Voltage	208-230/460 & 190/380 V
Speed	1190 & 990 rpm	Service Factor	1.25 & 1.15
Frame	404T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	169-160/80 & 160/80 A	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	N
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.085 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	32.76 in
Shaft Diameter	2.875 in	Shaft Extension	7.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	169558.60	Connection Drawing	004172.01

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 004172.01

CATALOG #: 170149.60

OUTLINE: 169558.60 WINDING #: T19606019 3

MOUNTING: F1/F2 CAPABLE

HP	kW	SYNC. RPM	SYNC. RPM F.L. RPM FRAME		ENCLOSURE	KVA CODE	DESIGN
60&5	45.0&37.0	1200	1190&990	404T	DP	F	В

ΡН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60/50	208-230/460&190/380	169-160/80&160/80	Y START D RUN OR INV	CONTINUOUS	F5	1.25/1.15	40

FULL LOAD EFF:	94.5&94.1	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	74.5&75.5	3/4 LOAD PF:	69	1/2 LOAD PF:	58	93.6	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
265 LB-FT	800 / 400	425 LB-FT 160 %	780 LB-FT 294 %	45

SOUND PRESSU @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX, WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
50 dBA	60 dBA	32 LB-FT^2	- LB-FT^2	20 SEC.	2	1200 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	FRAME	
DE	ODE	GREASE	SHAFT TYPE SPECIAL DE		SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL		т	NONE	NONE	AISI 1045 (C-240)	CAST IRON	
6316	POLYREX EM	1	NONE	NONE	AISI 1045 (C-240)	CAST IRON		

	THERMISTORS	CONTROL	SPACE HEATERS				
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HE	ATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS
*				INVERTER TORQUE: INV. HP SPEED RANG		7 2:1	
Ν				ENCODER: NONE			
0				NONE NONE NONE	PPR		
т				BRAKE: NONE	NONE		
_				NONE P/N NO	NE		
E				NONE NONE			
S				NONE FT-LB NO	DNE V	NO BRAKE	Hz

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