PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 170099.60, Catalog No:170099.60 WATTSAVER® General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM, 405T Frame, TEFC

LEESON

Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	208-230/460 & 190/380 V
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	197-176/88 & 168/84 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Υ
CE	N	IP Code	43
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	.0696 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	37.91 in
Shaft Diameter	2.875 in	Shaft Extension	7.25 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	004172.01	Outline Drawing	16954560LE

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 004172.01

CATALOG #: 170099.60

OUTLINE: 16954560LE **WINDING #:** T19606013 FR 3

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56.0&45.0	1200	1190&990	405T	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60/50	208-230/460&190/380	197-176/88&168/84	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	95&94.5	3/4 LOAD EFF:	95	1/2 LOAD EFF:	94.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	84&85.8	3/4 LOAD PF:	81.5	1/2 LOAD PF:	74	93.6	SQ CAGE INV RATED

F.L. TORQUE		LOCKED ROTOR AMPS	L.R. TORQUE			B.D. TORQUE			F.L. RISE°C
331	LB-FT	1084 / 542	621	LB-FT	187 %	735	LB-FT	221 %	70

SOUND PRESSURE @ 3 FT.		SOUND POWER		ROTOR WK^2		MAX. WK^2		SAFE STALL TIME		STARTS / HOUR	АРРР МОТОР	ROX. R WGT
57	dBA	67	dBA	39.2	LB-FT^2	-	LB-FT^2	15	SEC.	2	1125	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)

BEARINGS		CDEASE				SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE SPECIAL DE		SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL		Ŧ	NONE	NONE			
6316	6314	PULIKEX EM		NONE	NONE	1045 HOT KOLLED (C-204)	CAST IRON	

		THERMO-PROTECT	TUEDMICTORC	CONTROL	CRACE			
	THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE MEATERS	
	TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS
*				I I	NVERTER TORQUE: NV. HP SPEED RANG	CONSTANT	2:1	
Ν				E	NCODER: NONE			
0				N	ONE NONE ONE NONE	PPR		
т				B	RAKE: NONE	NONE		
Е				N	ONE P/N NON ONE NONE			
s				N	UNE FIELD NO	NE V I		

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