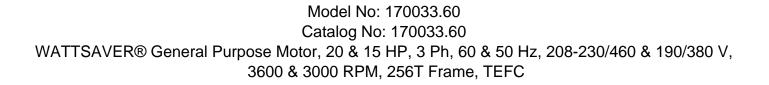
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 170033.60, Catalog No:170033.60 WATTSAVER® General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM, 256T Frame, TEFC

LEESON

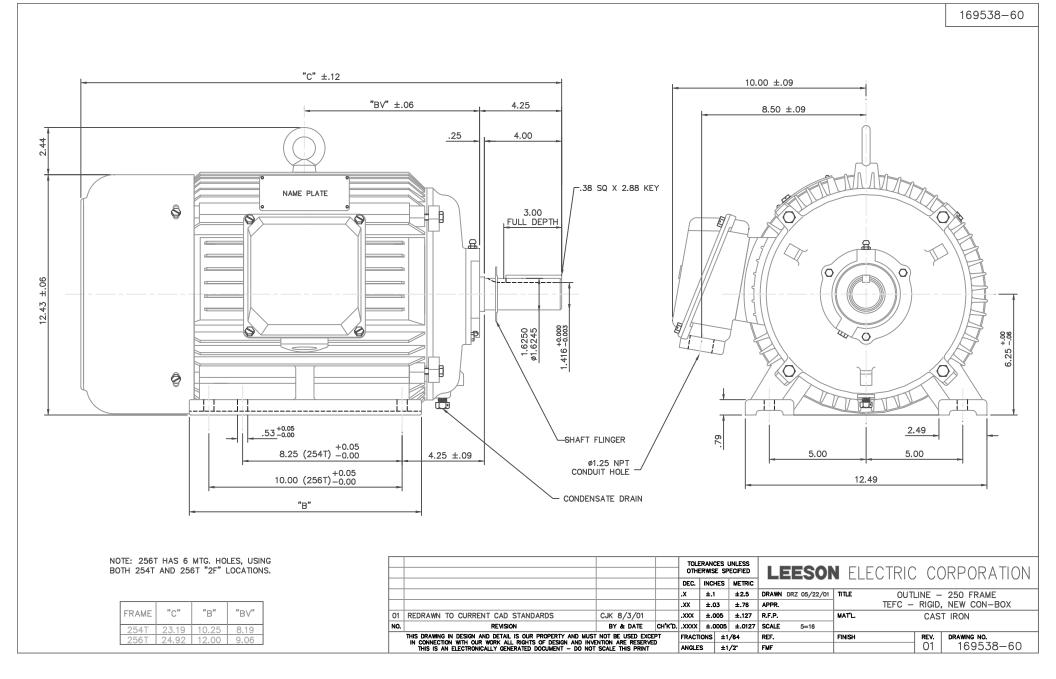
Nameplate Specifications

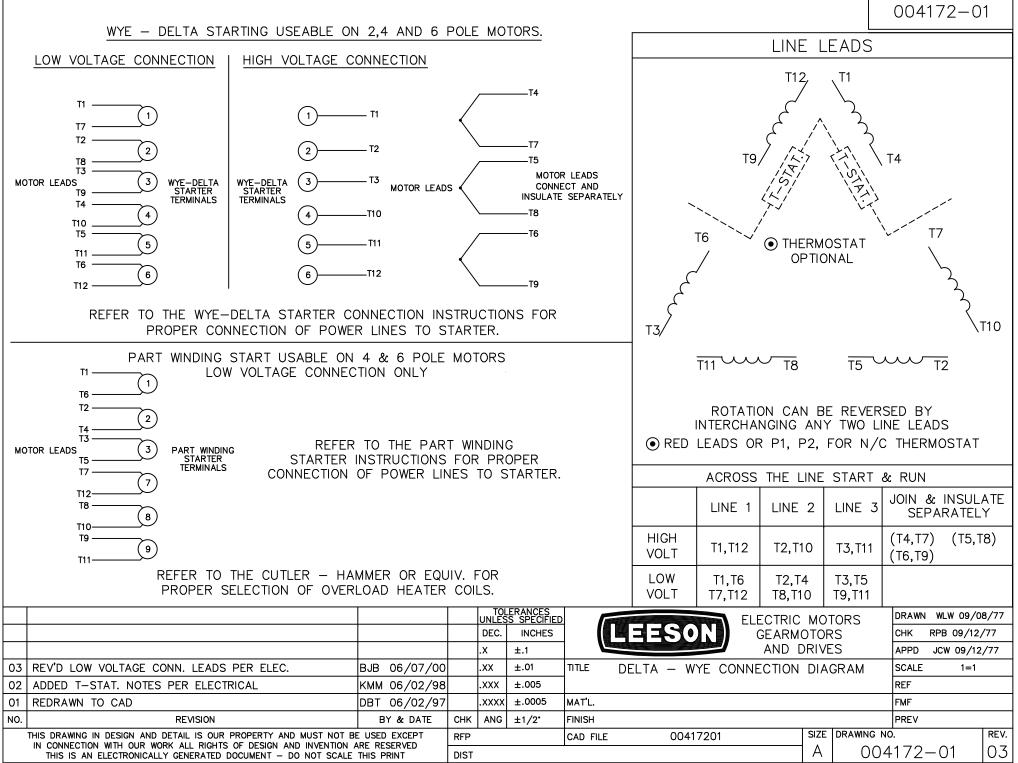
Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	208-230/460 & 190/380 V
Speed	3550 & 2957 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	92.4 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	49-46/23 & 40/20 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6308
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	2	Rotation	Reversible
Resistance Main	.295 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	24.92 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	004172.01	Outline Drawing	16953860-256T

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CATALOG #: 170033.60

CONN. DIAGRAM: 004172.01

MOUNTING: F1 ONLY

OUTLINE: 16953860-256T **WINDING #:** T12902023 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	3600	3550&2957	256T	TEFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60/50	208-230/460&190/380	49-46/23&40/20	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	92.4&92.4	3/4 LOAD EFF:	92.4	1/2 LOAD EFF:	91.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88.5&91	3/4 LOAD PF:	87.5	1/2 LOAD PF:	82	91	SQ CAGE INV RATED

F.L. 1	L. TORQUE LOCKED ROTOR AMPS			L.R. TORQUE			B.D. TORQUE			
30	LB-FT	290 / 145	75	LB-FT	250 %	81.5	LB-FT	272 %	60	T

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	2 LB-FT^2	- LB-FT^2	20 SEC.	-	- 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	CREASE	SHAFT TYPE		SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE SPECIAL DE		SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL		F	NONE	NONE			
6309	6308	POLYREX EM T		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		2:1	
Ν				E	NCODER: NONE			
0					IONE NONE	PPR		
т				E	RAKE: NONE	NONE		
_				ſ	IONE P/N NOT	NE		
Е					IONE NONE			
s				L I	IONE FT-LB NC	NE V I	NONE HZ	

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