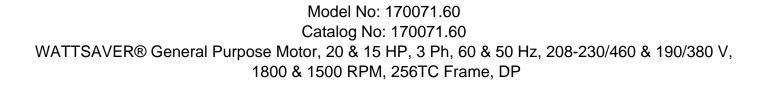
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 170071.60, Catalog No:170071.60 WATTSAVER® General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 256TC Frame, DP

LEESON

Nameplate Specifications

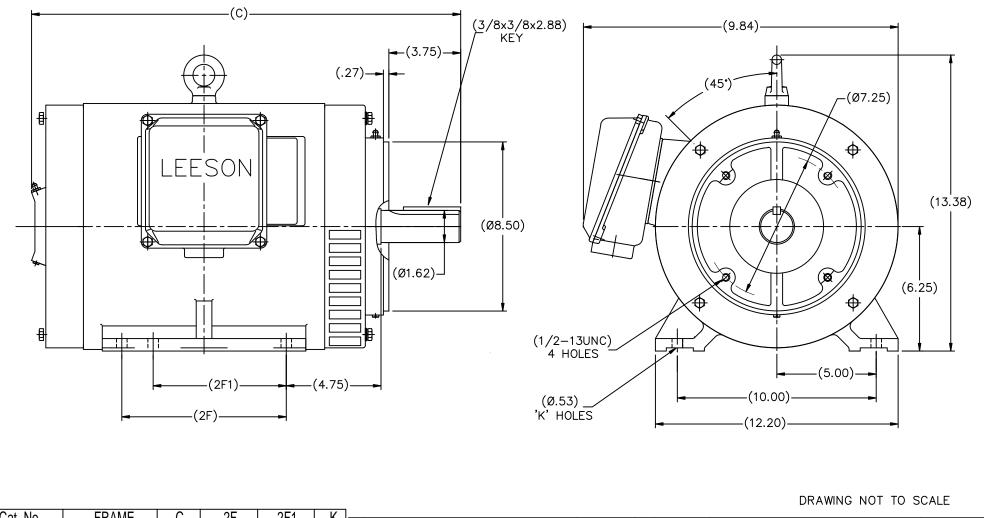
Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	208-230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	256TC	Enclosure	Drip Proof
Thermal Protection	Thermostat	Efficiency	93 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	51-49/24.5 & 45/22.5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
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	.41 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	23.03 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1
Outline Drawing	SS622288	Connection Drawing	4172.01

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SS622288



Cat. No.	FRAME		25	2F1	K 1										_
Gal. NO.			21						UNLES	ERANCES	ELEC	TRIC MOTORS	DRAWN	MOL 03-10-20	1
170070.60	N254TC-2W2 OD	DA 10	8.25		Λ				DEC.	INCHES		ARMOTORS	СНК	MOL 03-10-20	1
170070.00	1123410-20200	ן 1.40 ביי	0.25		4				.x	±.1	A	ND DRIVES	APPD	SB 03-10-201	J
171688.60	N256TC-2W2 OD	102 02	10.00	8.25	6				.xx	±.03			SCALE	1=4	
171000.00		^{123.03}	10.00	0.20	•				.xxx	±.005	N250TC FR-2,4-W2- C'FACE	. – ODP	REF		
170175.60	N254TC-4W2 OD	121 16	8.25		4				.xxxx	±.0005	MAT'L.		FMF		
110110.00	1123410 4112 00	121.40	0.20		т	NO. REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH		PREV		
170071.60	N256TC-4W2 OD) ED 2 () 2	10.00	8.25	6	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT E IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION		RFP			CAD FILE SS622288	SIZE DRAWING NO		E OF RE	-
110011.00		120.00	10.00	0.25	0	THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE		DIST				⊤ B SS€	5222	88	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 4172.01

CATALOG #: 170071.60

OUTLINE: SS622288 WINDING #: T12904023 3

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1800	1780&1480	256TC	DP	Н	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	208-230/460&190/380	51-49/24.5&45/22.5	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	93&93	3/4 LOAD EFF:	93	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83&82	3/4 LOAD PF:	79	1/2 LOAD PF:	70	92.4	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.2 LB-FT	280 / 140	108 LB-FT 182 %	190 LB-FT 320 %	45

SOUND PRESSURE @ 3 FT. 74 dBA		SOUND	POWER	ROT	OR WK^2	МА	X. WK^2	SAFE ST	ALL TIME	STARTS / HOUR	АРР МОТО	ROX. R WGT
74	dBA	84	dBA	0	LB-FT^2	0	LB-FT^2	20	SEC.	2	350	LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAR	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	т	NONE	NONE		CAST IRON	
6309	6208	PULIKEX EM		NONE	NONE	AISI 1045 (C-240)	CAST IRON	

		THERMO-PROTECT	ORS		TUERMICTORC	CONTROL	CDACE I	
	THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE	IEATERS
	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 IONE NONE	PPR		
т				Ī	RAKE: NONE	NONE		
Е				1	IONE P/N NON			
s				1	IONE FT-LB NO	NE V r	NONE HZ	

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