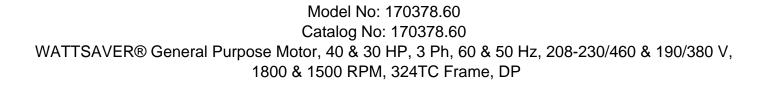
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 170378.60, Catalog No:170378.60 WATTSAVER® General Purpose Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 324TC Frame, DP

LEESON

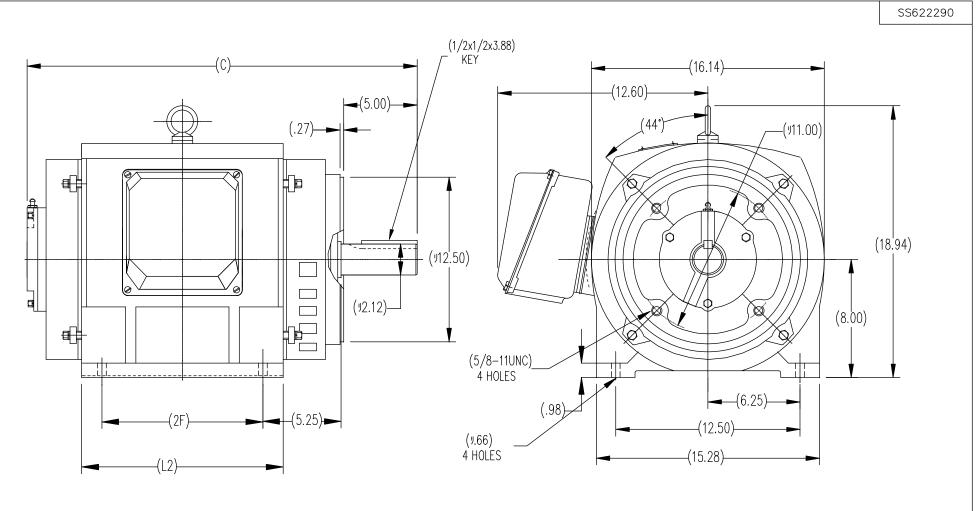
Nameplate Specifications

Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	208-230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	324TC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.1 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	104-96/48 & 86/43 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Υ	IP Code	12
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	.19 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	26.02 in
Shaft Diameter	2.125 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS622290	Connection Drawing	004172.01

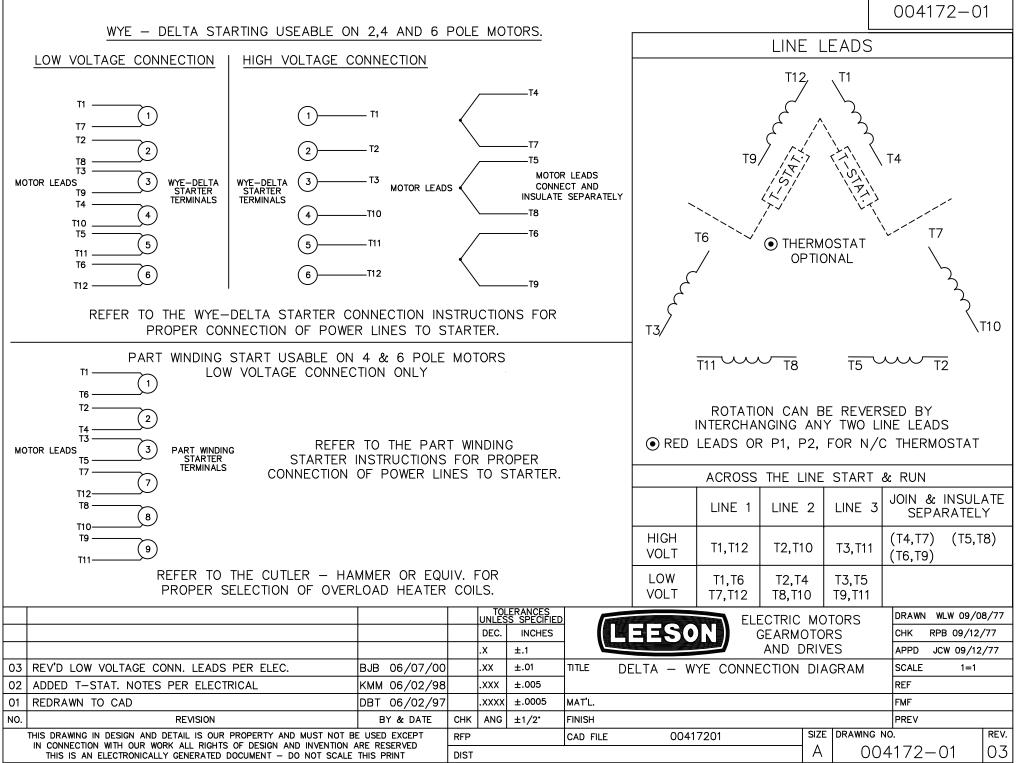
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				TOL JNLESS	ERANCES SPECIFIED						DRAWN MO	L 02-10-2011
				DEC.	INCHES		REGAL	REGAL - BELOIT CORPORATION		TION	CHK MOL	02-10-2011
				.x	±.1						APPD SB	02-10-2011
				.xx	±.03	TITLE		OUTLINE			SCALE	1=1
					±.005		N320TC FR	-4W2 - C'FACE	- 0	DP	REF	
				.xxxx	±.0005	MAT'L.					FMF	
NC	. REVISION	BY & DATE	СНК	ANG	±1/2	FINISH					PREV	
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT					CAD FILE	SS62	22290	SIZE	DRAWING NO		REV.
	THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PR	DIST						В	SSE	522290)	

N324TC-4W2 ODP 26.02 10.50 13.25	FRAME		С	2F	L2
N326TC-4W2 ODP 27 52 12 00 14 75	N324TC-4W2	ODP	26.02	10.50	13.25
	N326TC-4W2	ODP	27.52	12.00	14.75





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

CATALOG #: 170378.60

CONN. DIAGRAM: 004172.01

MOUNTING: F1/F2 CAPABLE

OUTLINE: SS622290 **WINDING #:** T16104018 3

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30.0&22.4	1800	1780&1480	324TC	DP	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	208-230/460&190/380	104-96/48&86/43	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	94.1&94.1	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	94	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83&84.1	3/4 LOAD PF:	78.5	1/2 LOAD PF:	69.5	93.6	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
118 LB-FT	610 / 305	267 LB-FT 226 %	322 LB-FT 273 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	- LB-FT^2	- LB-FT^2	20 SEC.	-	581 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	INGS	GREASE	SHAFT TYPE	SPECIAL DE		SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TIFL SPECIAL DE		SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL		т	NONE	NONE			
6312	6312	POLYREX EM T NONE		NONE	AISI 1045 (C-240)	CAST IRON		

	THERMO-PROTE	CTORS		THERMICTORS	CONTROL		EATEDC
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	- THERMISTORS	CONTROL	SPACE H	EATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS
*				INVERTER TORQUE: INV. HP SPEED RANG		Γ2:1	
Ν				ENCODER: NONE			
0				NONE NONE NONE	PPR		
т			Ī	BRAKE: NONE	NONE		
E				NONE P/N NO NONE NONE			
S				NONE FT-LB NO	DNE V	NO BRAKE	Hz

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