PRODUCT INFORMATION PACKET



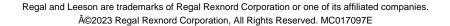
Model No: 170019.60

Catalog No: 170019.60

WATTSAVER® General Purpose Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,

1800 & 1500 RPM, 324T Frame, TEFC









Nameplate Specifications

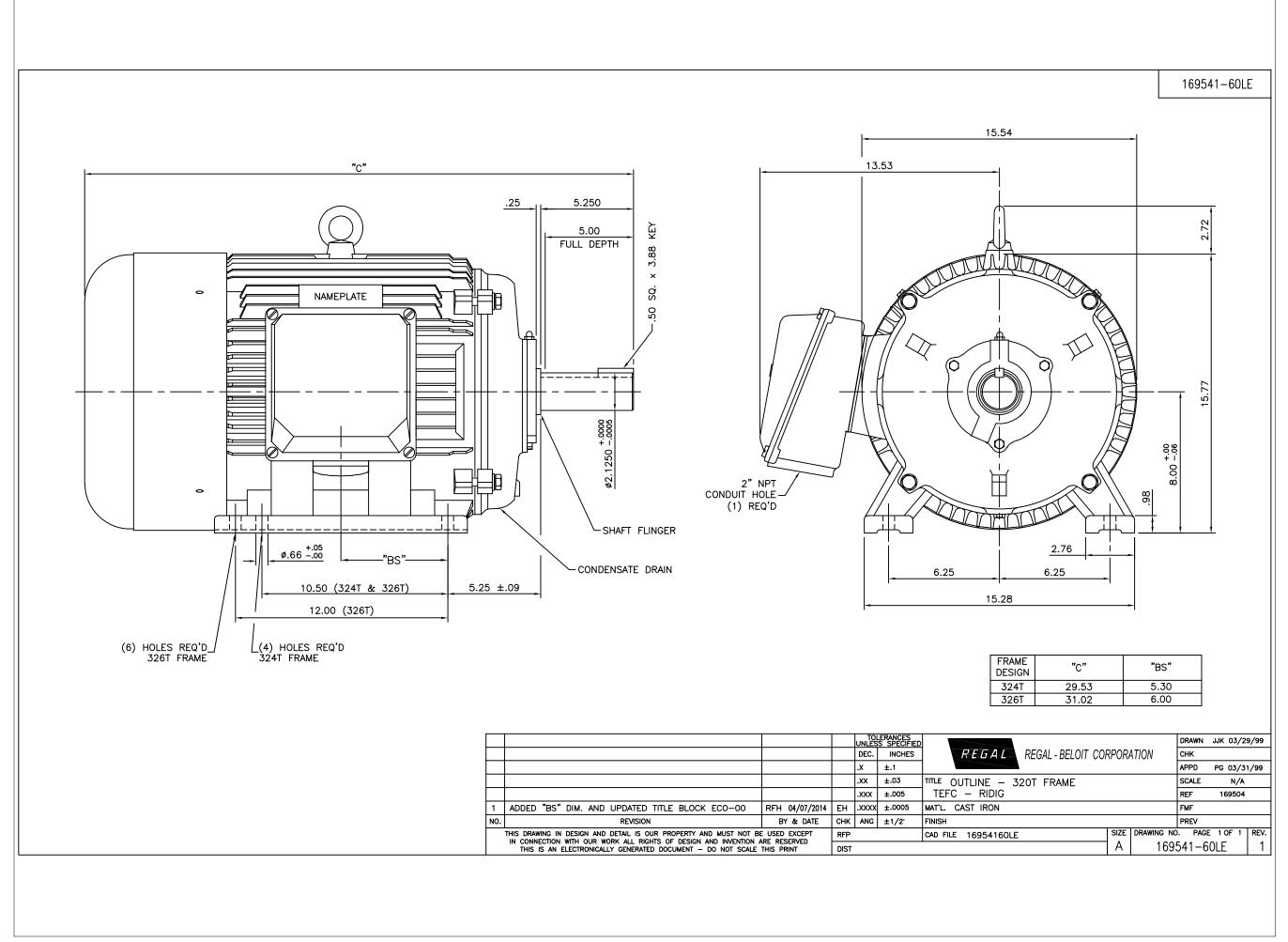
Phase	3	Output HP	40 & 30 Hp				
Output KW	30.0 & 22.4 kW	Voltage	208-230/460 & 190/380 V				
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15				
Frame	324T	Enclosure	Totally Enclosed Fan Cooled				
Thermal Protection	Thermostat	Efficiency	94.1 & 93 %				
Ambient Temperature	40 °C	Frequency	60 & 50 Hz				
Current	100-92/46 & 84/42 A	Power Factor	86				
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	Υ				
CE	Υ	IP Code	43				
Number of Speeds	1						

Technical Specifications

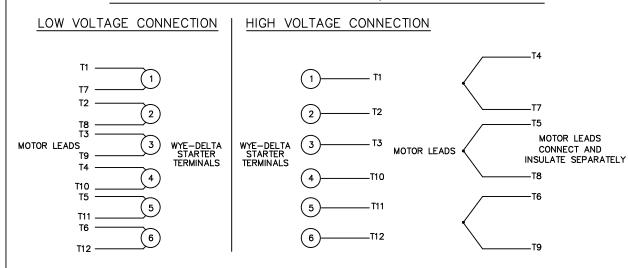
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.042 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	29.53 in
Shaft Diameter	2.125 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1
Outline Drawing	16954160LE	Connection Drawing	004172.01

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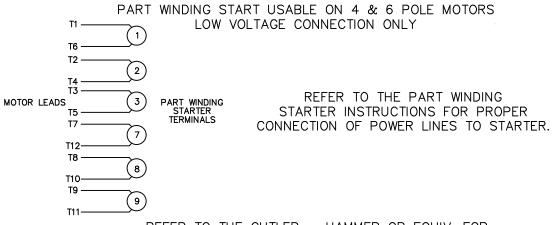
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WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.



REFER TO THE CUTLER — HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

				UNLES	ERANCES S SPECIFIED				ELECTRIC	MOTOR	S	DRAWN	WLW 09/0	18/77
				DEC.	INCHES		3=5	(•)	GEARM	OTORS		снк	RPB 09/12,	/77
				.x	±.1				J AND D	PRIVES		APPD	JCW 09/12	<u>!</u> /77
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00		.xx	±.01	TITLE	DELTA -	WYE	CONNECTION	DIAGRA	·Μ	SCALE	1=1	
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98		.xxx	±.005							REF		
01	REDRAWN TO CAD	DBT 06/02/97		.xxxx	±.0005	MAT'L.						FMF		
NO.	REVISION	BY & DATE	снк	ANG	±1/2°	FINISH						PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED						CAD FILE	0	041720	1	SIZE DRA				REV.
THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT				DIST				A	004	172-	-01	03		

ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS

• RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN							
	LINE 1	LINE 2	LINE 3	JOIN & INSULATE SEPARATELY			
HIGH VOLT	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)			
LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11				

