

PRODUCT INFORMATION PACKET



Model No: 170031.00

Catalog No: 170031.00

General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
365T Frame, TEFC



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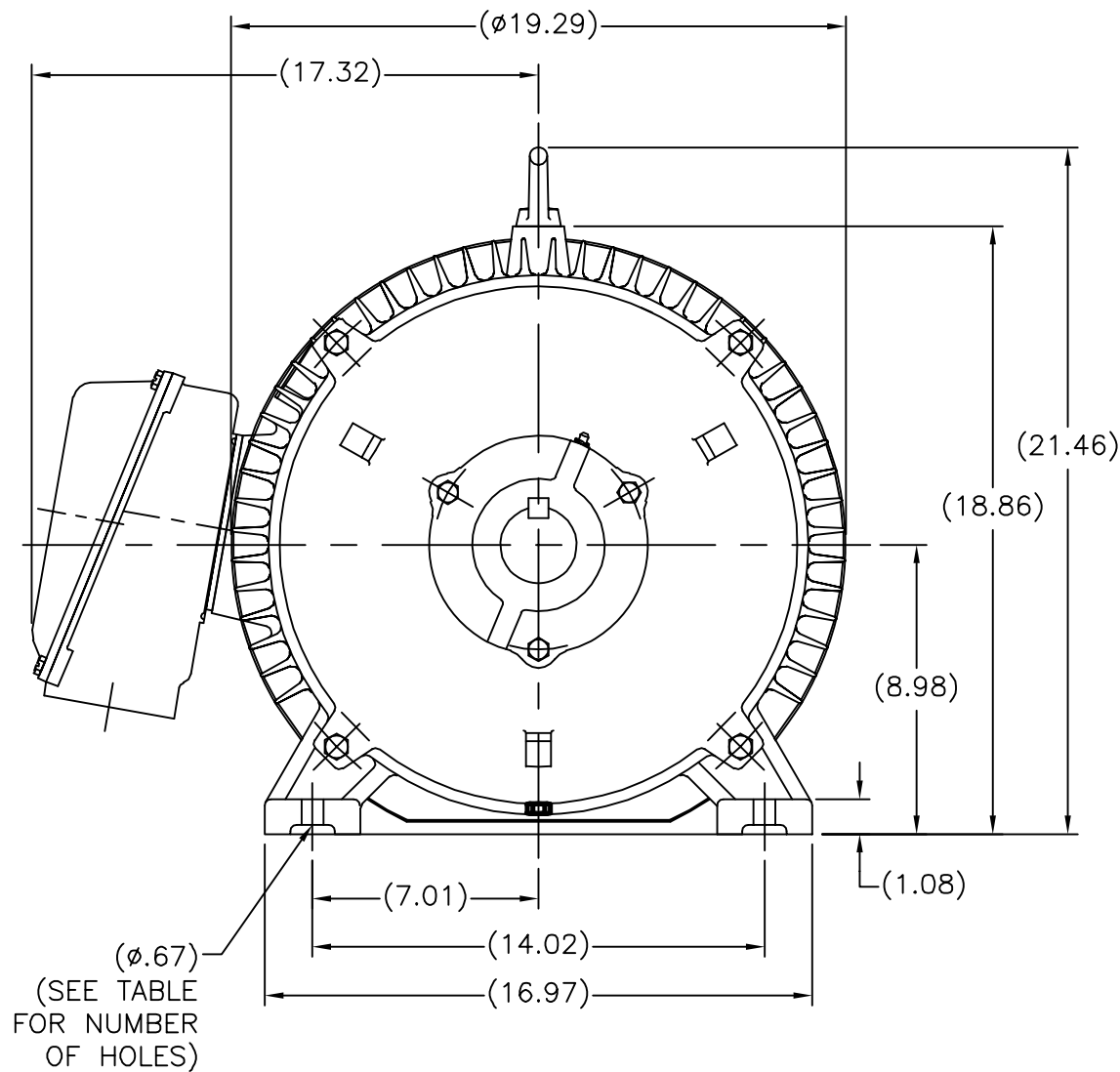
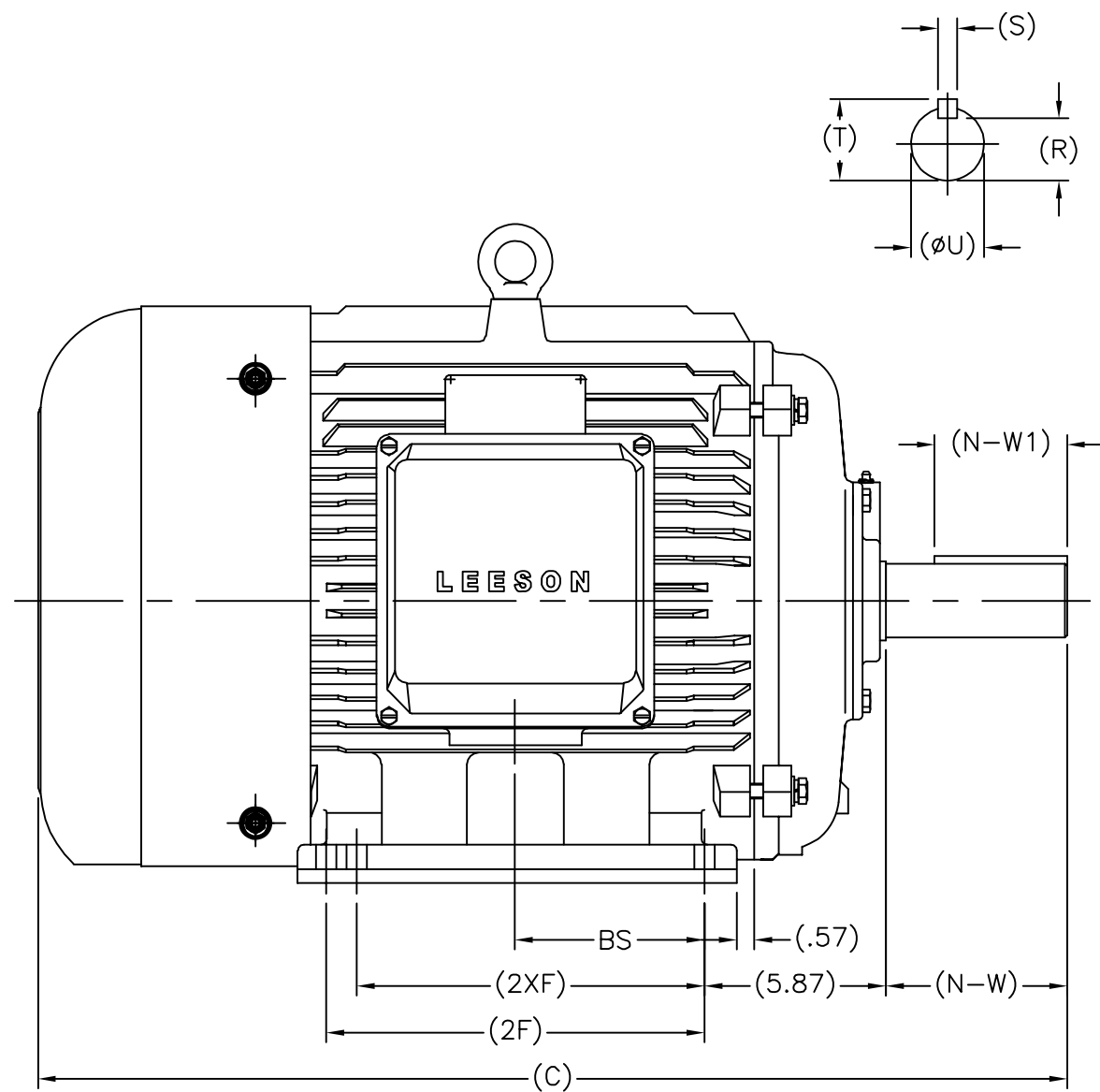
Nameplate Specifications


Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	208-230/460 & 190/380 V
Speed	1785 & 1487 rpm	Service Factor	1.15 & 1.15
Frame	365T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.8 & 95.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	182-171/85.5 & 162/81 A	Power Factor	85.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.051 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	33.31 in
Shaft Diameter	1.875 in	Shaft Extension	2.05 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS622180LE	Connection Drawing	004172.03

SS622180LE



												TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION				DRAWN MSG 02/13/2007					
												DEC.	INCHES					CHK	ML 02/16/2007				
												.X	±.1					APPD	SB 02/23/2007				
NT364TS-2	30.20	11.26	---	4	3.74	2.05	1.87	1.59	0.50	2.09	---		.XX	±.03	TITLE OUTLINE 360 FR. - TEFC - (REDESIGNED)		SCALE	N/A					
NT365TS-2	31.18	12.24	11.26	6									.XXX	±.005			REF						
NT364T-4, 6	32.32	11.26	---	4	5.87	4.29	2.37	2.01	0.63	2.64	5.60	1	ADDED BS DIM. UPDATED TITLE BLOCK, ECO-0048910	RFH 04/07/2014	EH	.XXXX	±.0005	MAT'L	FMF	HEBEI			
NT365T-4, 6	33.31	12.24	11.26	6							6.10	NO.	REVISION		BY & DATE	CHK	ANG	±7'30"	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 THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		CAD FILE SS622180LE		SIZE	DRAWING NO.	PAGE 1 OF 1	REV.
																DIST		A		SS622180LE		1	
FRAME	C	2F	2XF	HOLES	N-W	N-W1	øU	R	S	T	BS												

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

LOW VOLTAGE CONNECTION



HIGH VOLTAGE CONNECTION



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

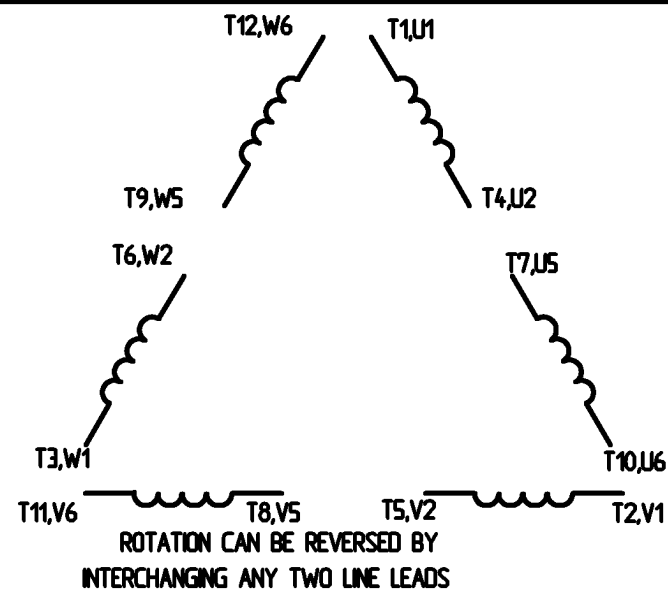
PART WINDING START USABLE ON 4 & 6 POLE MOTORS LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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

LINE LEADS



12 LEAD DELTA CONNECTION ACROSS THE LINE START (FOR Y START DELTA RUN, REMOVE THE JUMPERS)

LOW VOLTAGE
(MUST BE REWIRED AS SHOWN)

HIGH VOLTAGE
(FACTORY WIRED FOR HIGH VOLTAGE AS SHOWN)



				TOLERANCES UNLESS SPECIFIED		<div>LEESON</div> <div>ELECTRIC MOTORS GEARMOTORS AND DRIVES</div>	DRAWN C/W 08/28/02	
				DEC.	INCHES		CHK	
				X	± .1		APPD	
				XX	± .01		SCALE	1:1
				XXX	± .005		REF	
				XXXX	± .0005	MAT'L	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	± 1/2°	FINISH	PREV	
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