

PRODUCT INFORMATION PACKET



Model No: 170097.00

Catalog No: 170097.00

General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM,
365T Frame, TEFC



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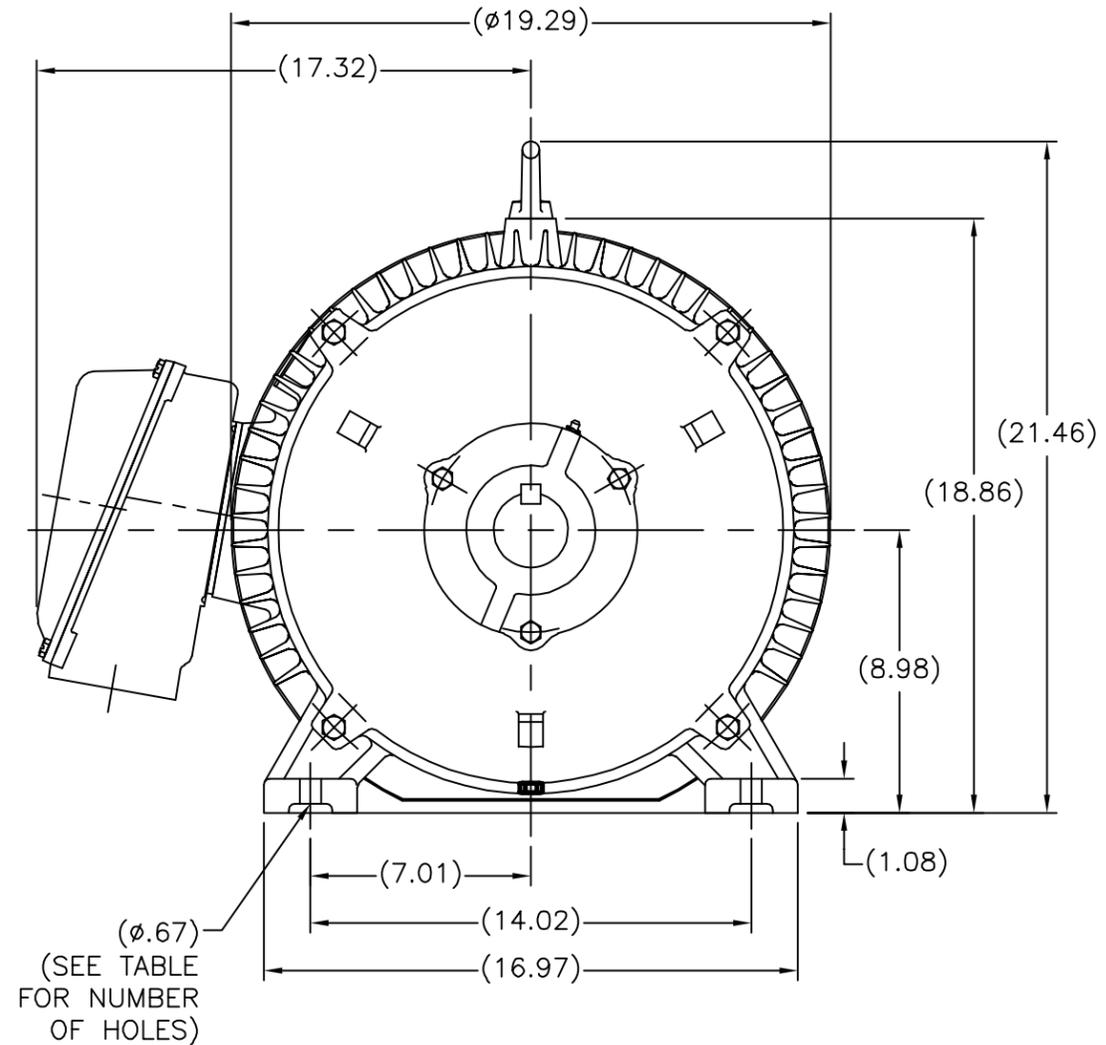
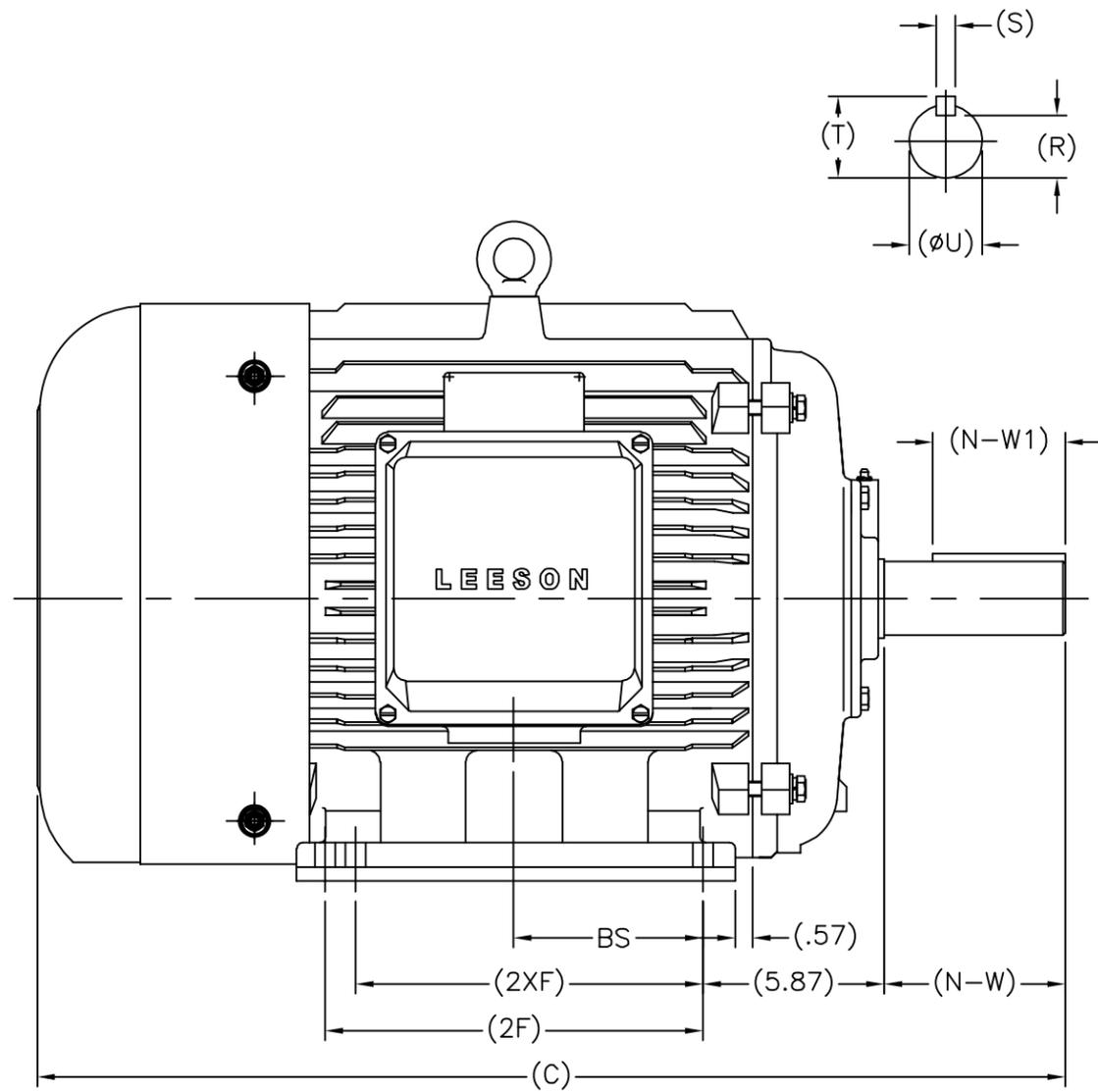
Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	208-230/460 & 190/380 V
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15
Frame	365T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	135-126/63 & 122/61 A	Power Factor	79
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	6	Rotation	Reversible
Resistance Main	.12 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	2.375 in	Shaft Extension	5.87 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	004172.03	Outline Drawing	SS622180LE

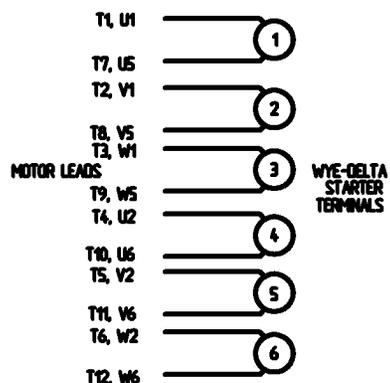
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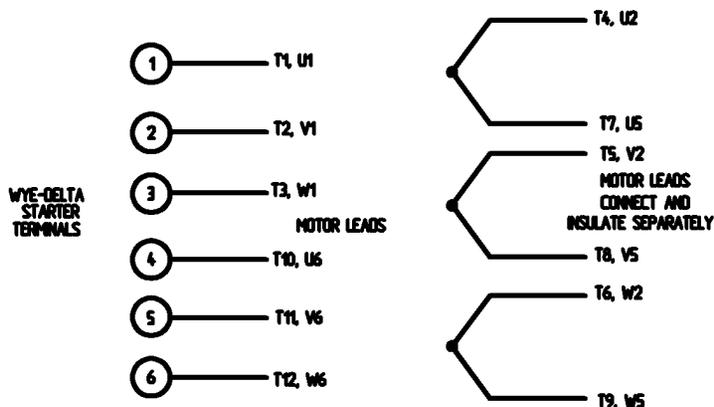
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												DEC.	INCHES			CHK	ML 02/16/2007			
												.X	±.1			APPD	SB 02/23/2007			
												.XX	±.03	TITLE OUTLINE		SCALE N/A				
												.XXX	±.005	360 FR. - TEFC - (REDESIGNED)		REF				
												.XXXX	±.0005	MAT'L.		FMF HEBEI				
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FRAME	C	2F	2XF	HOLES	N-W	N-W1	øU	R	S	T	BS	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.	
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NT364TS-2	30.20	11.26	---	4	3.74	2.05	1.87	1.59	0.50	2.09	---									
NT365TS-2	31.18	12.24	11.26	6	3.74	2.05	1.87	1.59	0.50	2.09	---									
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				
NT365T-4, 6	33.31	12.24	11.26	6	5.87	4.29	2.37	2.01	0.63	2.64	6.10									

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

LOW VOLTAGE CONNECTION

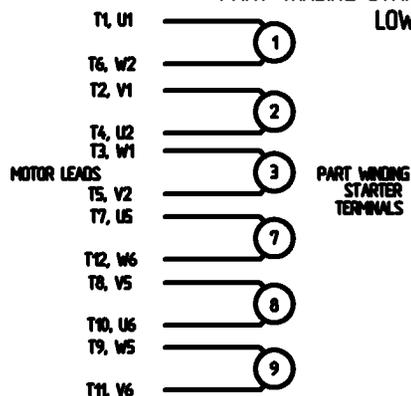


HIGH VOLTAGE CONNECTION



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

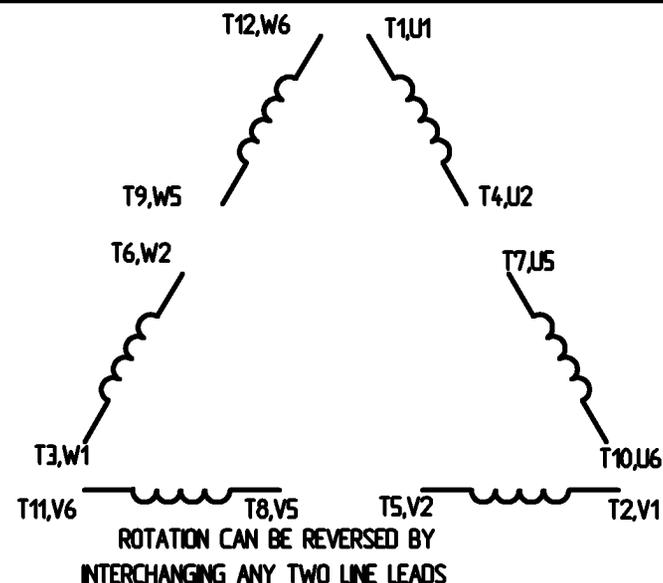
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



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.

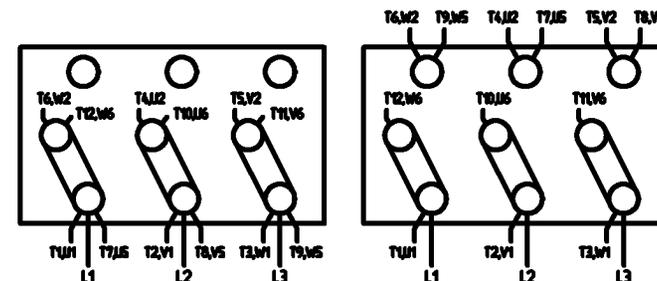
LINE LEADS



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		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN CW 08/28/02 CHK APPD SCALE 1:1 REF FMF PREV
				DEC.	INCHES		TITLE DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS
				X	+ .1		
				XX	+ .01		
				XXX	+ .005		
				XXXX	+ .0005	MAT'L	
NO.	REVISION	BY & DATE	CHK	ANG	+ 1/2°	FINISH	PREV
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