PRODUCT INFORMATION PACKET

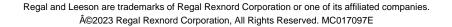


Model No: 171597.00 Catalog No: 171597.00

General Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,

405TC Frame, TEFC









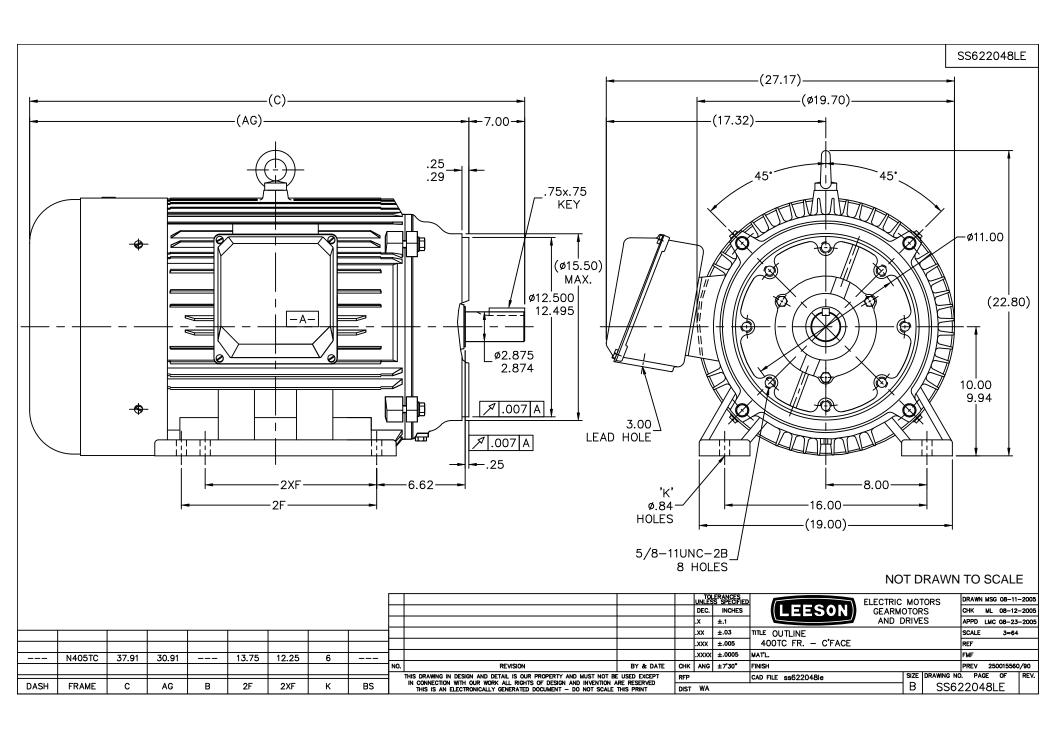
Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	208-230/460 & 190/380 V
Speed	1785 & 1485 rpm	Service Factor	1.15 & 1.15
Frame	405TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	254-225/112.5 & 201/100.5 A	Power Factor	87.1
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	N
CE	Υ	IP Code	43
Number of Speeds	1		
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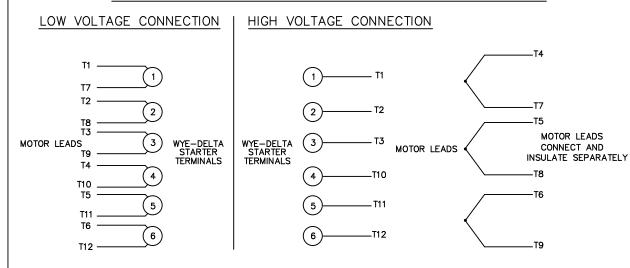
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter				
Poles	4	Rotation	Reversible				
Resistance Main	.045 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	37.91 in				
Shaft Diameter	2.875 in	Shaft Extension	7.25 in				
Assembly/Box Mounting	F1/F2 CAPABLE						
Connection Drawing	004172.01	Outline Drawing	SS622048LE				

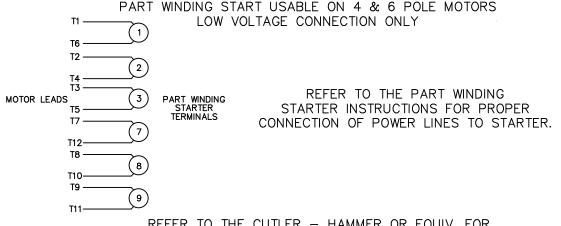
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WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.



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.

				TOL UNLES	ERANCES S SPECIFIED				A ELECTRIC	: мот	ORS	DRAWN	WLW 09/08/77	7
				DEC.	INCHES			(•)	GEARM	OTOR	S	снк	RPB 09/12/77	
				.x	±.1				AND I	DRIVE:	S	APPD	JCW 09/12/77	
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00		.xx	±.01	TITLE	DELTA -	WYE	CONNECTION	DIAG	RAM	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					CAD FILE	00	0417201	I	SIZE	DRAWING NO		REV	
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT						•] A	004	172	-01 0J	3

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				