

PRODUCT INFORMATION PACKET



Model No: 171822.60

Catalog No: 171822.60

Severe Duty Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM,
256T Frame, TEFC

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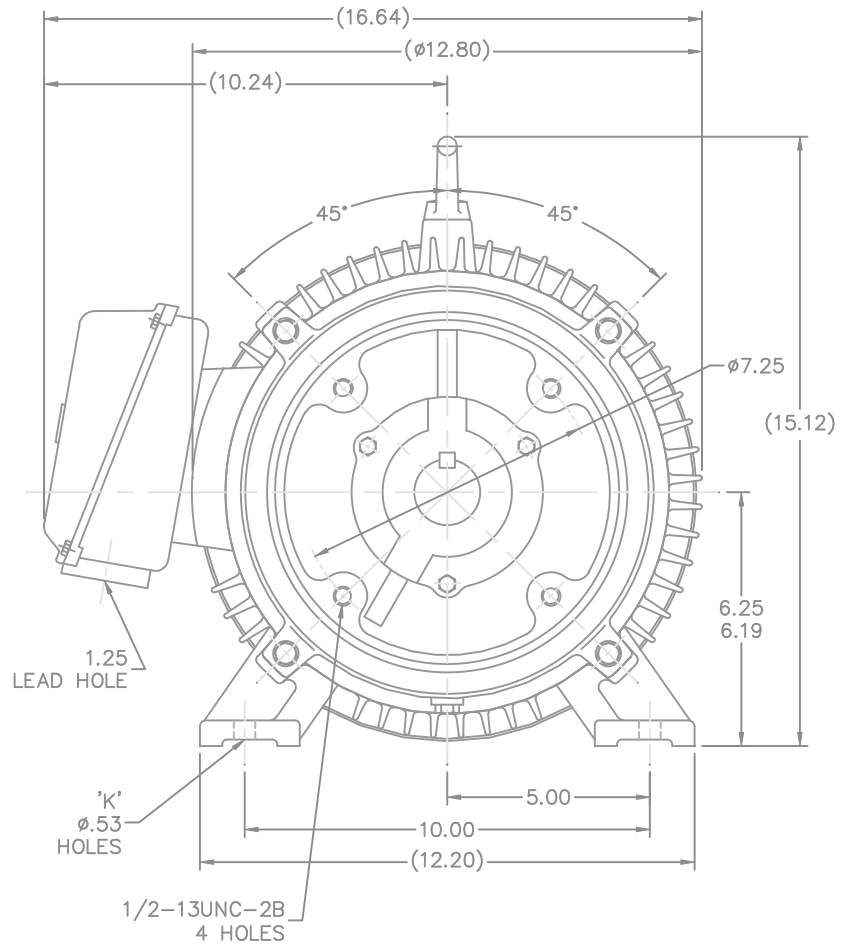
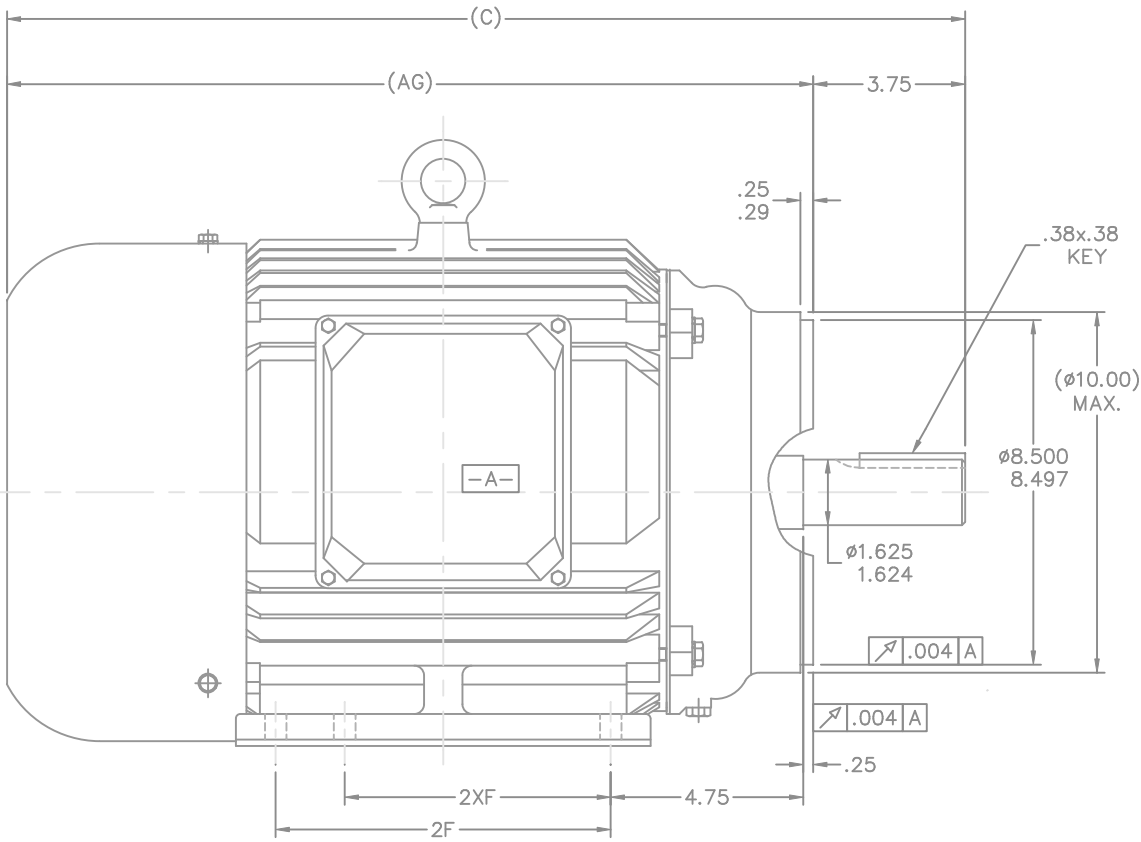


Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	208-230/460 & 190/380 V
Speed	1185 & 985 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	31-29/14.5 & 25.2/12.6 A	Power Factor	71.4
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6308
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.766 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	25.48 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS622044LE-N256TC-4	Connection Drawing	004172.01



NOT DRAWN TO SCALE

DASH	FRAME	C	AG	B	2F	2XF	K	BS
----	N254TC-2	23.75	20.00	----	8.26	----	4	----
----	N254TC-4	23.75	20.00	----	8.26	----	4	----
----	N256TC-2	25.48	21.73	----	10.00	8.26	6	----
----	N256TC-4	25.48	21.73	----	10.00	8.26	6	----

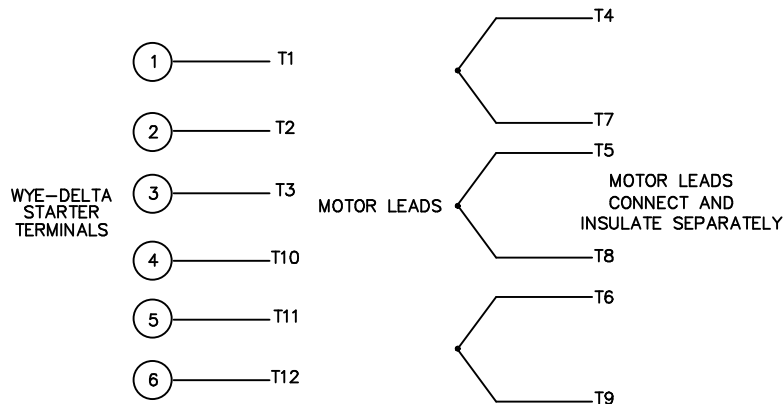
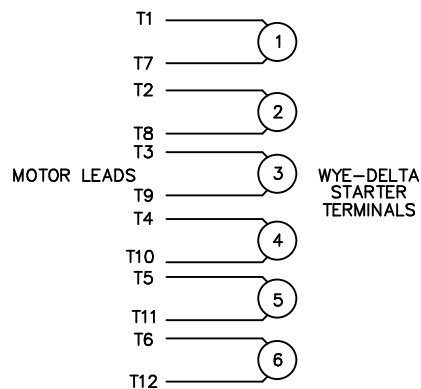
NO.		REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV	250013670-3700
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP			CAD FILE	ss622044e	
				DIST	LB		SIZE	B	DRAWING NO. PAGE OF REV. SS622044LE

<p>TO TOLERANCES UNLESS SPECIFIED</p> <p>DEC. INCHES</p> <p>.X ±.1</p> <p>.XX ±.03</p> <p>.XXX ±.005</p> <p>.XXXX ±.0005</p>	<p>LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES</p> <p>TITLE OUTLINE</p> <p>254/6TC FRAME - C'FACE</p>	<p>DRAWN MSG 08-11-2005</p> <p>CHK ML 08-12-2005</p> <p>APPD LMC 08-23-2005</p> <p>SCALE 3=8</p> <p>REF</p> <p>FMF</p>
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WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

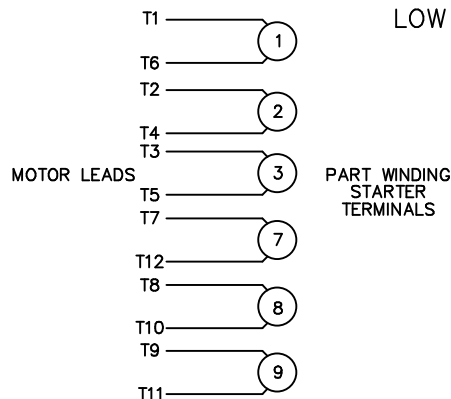
LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



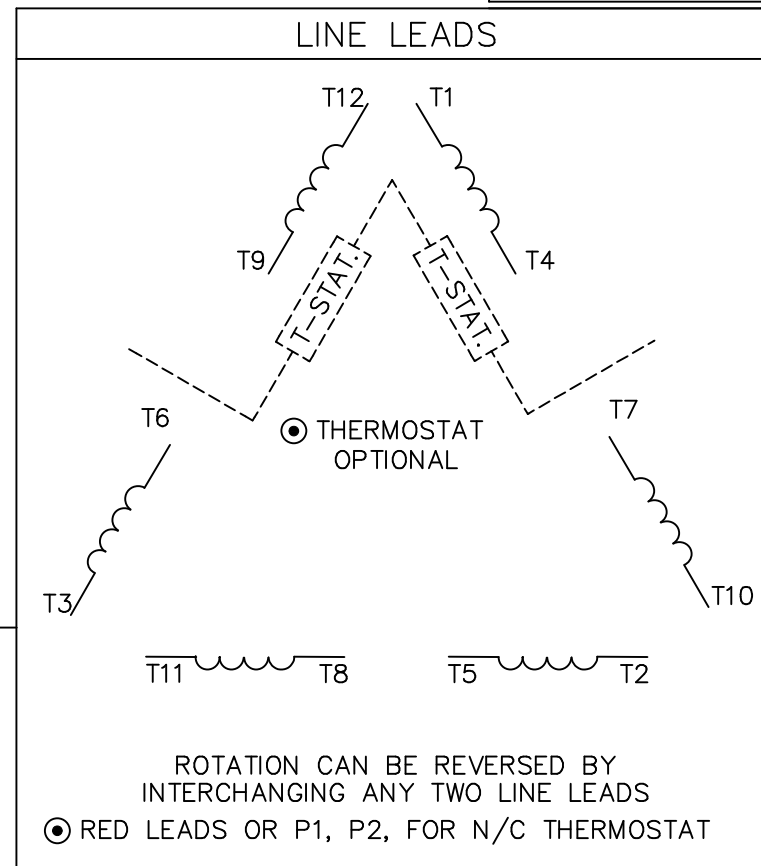
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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.



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	

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN WLW 09/08/77		
				DEC.	INCHES		CHK RPB 09/12/77		
				.X	±.1		APPD JCW 09/12/77		
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00	.XX	±.01	TITLE DELTA - WYE CONNECTION DIAGRAM	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	CHK	ANG	±1/2"	FINISH	PREV		
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