

# PRODUCT INFORMATION PACKET



Model No: 171480.60

Catalog No: 171480.60

20 HP General Purpose Motor, 3 phase, 3600 RPM, 230/460 V, 256TC Frame, TEFC  
Three Phase TEFC Motors



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The Regal logo is positioned in the bottom right area of the page. It features the word "REGAL" in a white, bold, sans-serif font, set against a dark grey, trapezoidal background. This logo is placed on a vertical blue decorative bar that has a halftone dot pattern and tapers towards the top of the page.



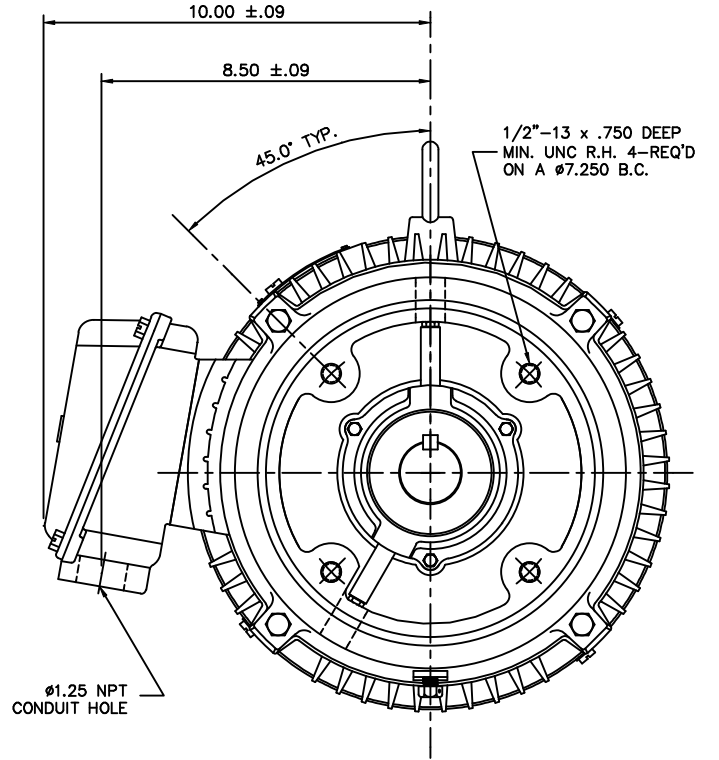
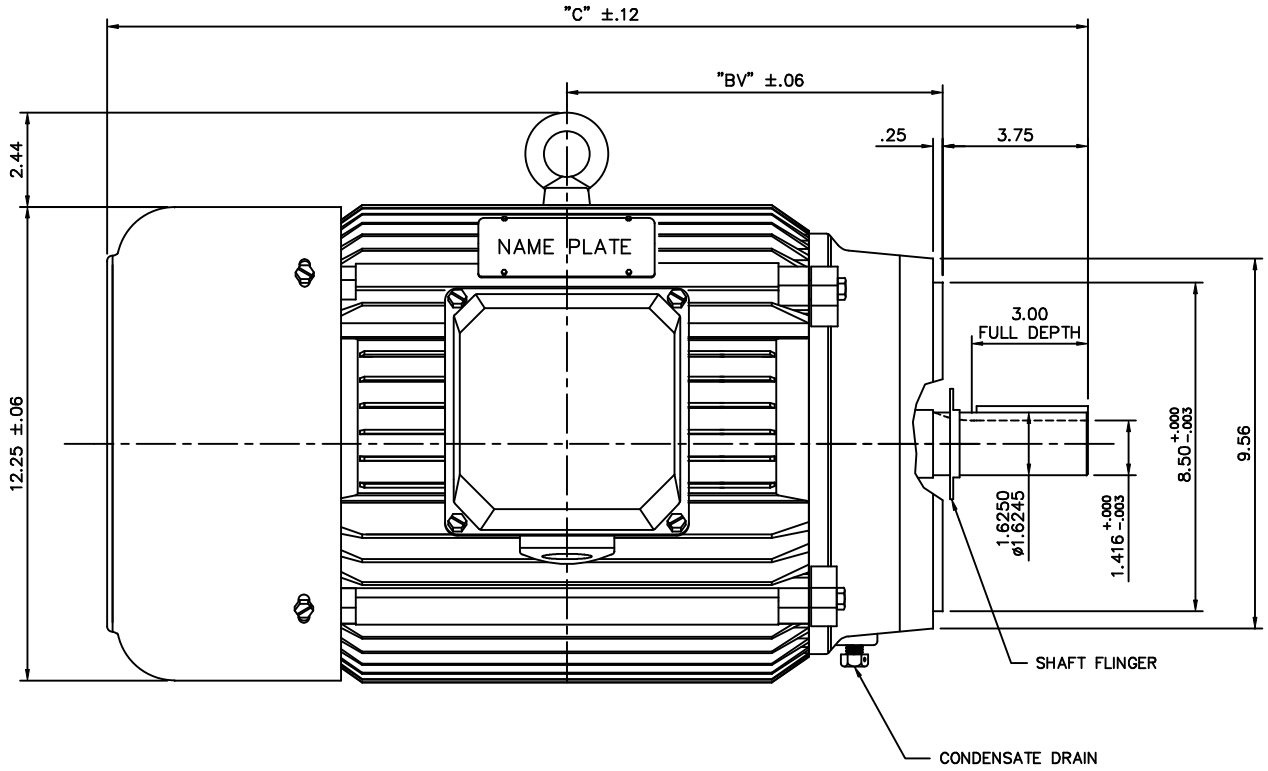
**Nameplate Specifications**

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	46.0/23.0 A	Speed	3550 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	256TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6308
UL	Recognized	CSA	Y
CE	Y	IP Code	43

**Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.295 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	25.50 in
Shaft Diameter	1.625 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		

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FRAME	"C"	"BV"
254T	23.80	9.16
256T	25.50	10.01

				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION				
				DEC.	INCHES	METRIC					
				.X	±.1	±2.5	DRAWN DRZ 05/29/01	TITLE		OUTLINE - 250T FRAME, TEFC	
				.XX	±.03	±.75	APPR.			"C"-FACE, NEW CON-BOX	
01	REDRAWN TO CURRENT CAD STANDARS		CJK 8/20/01	.XXX	±.005	±.127	R.F.P.	MAT'L.		CAST IRON	
NO.	REVISION		BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE	5=16		
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				FRACTIONS	±1/64		REF.	FINISH		REV.	DRAWING NO.
				ANGLES	±1/2°		FMF			01	169578-60

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
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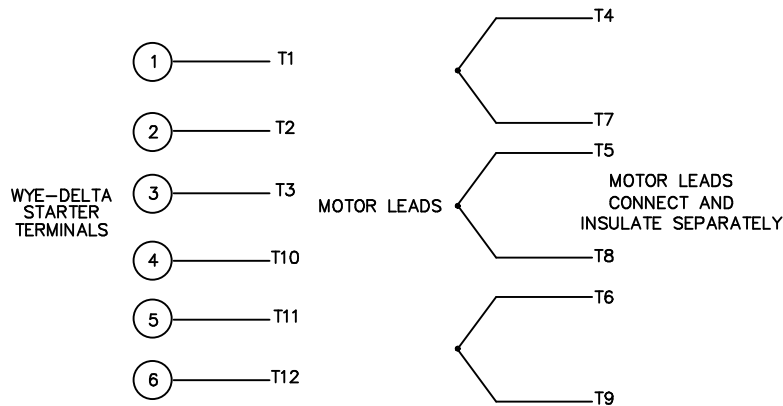
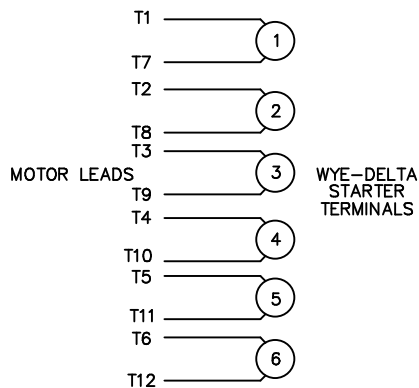
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STACK:
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WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

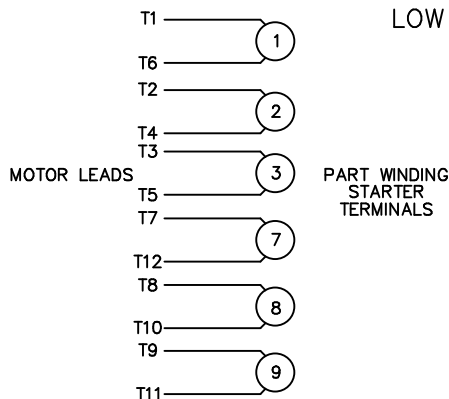
LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



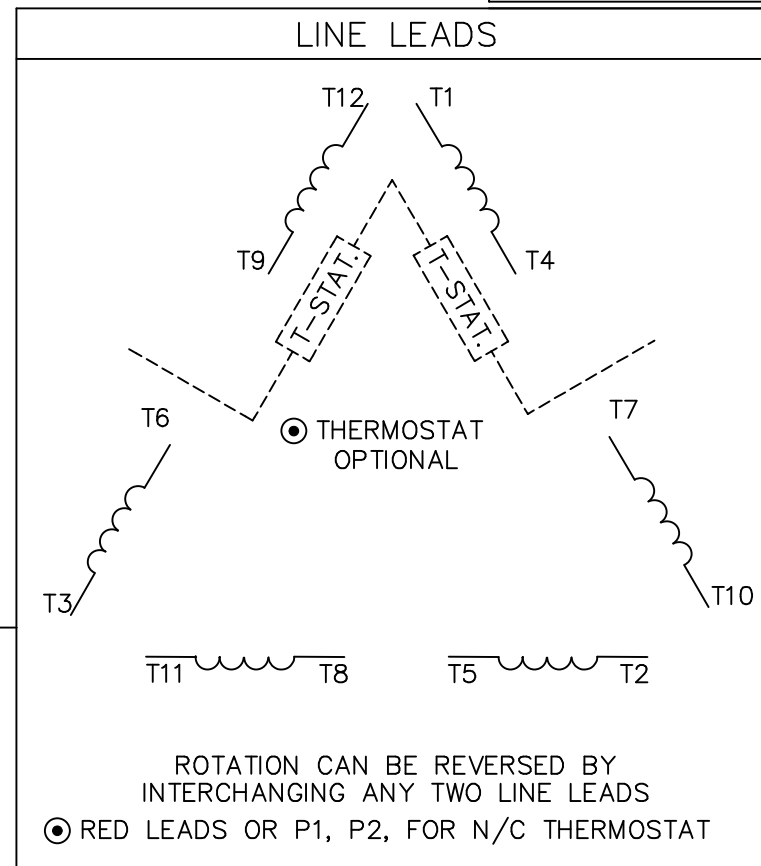
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN WLW 09/08/77	
				DEC.	INCHES		ELECTRIC MOTORS GEARMOTORS AND DRIVES		CHK RPB 09/12/77	
				.X	±.1		ELECTRIC MOTORS GEARMOTORS AND DRIVES		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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