# PRODUCT INFORMATION PACKET

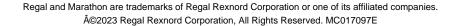


Model No: 254TTDC6001 Catalog No: U768

XRI® General Purpose General Purpose Motor, 20 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,

3600 & 3000 RPM, 254T Frame, DP









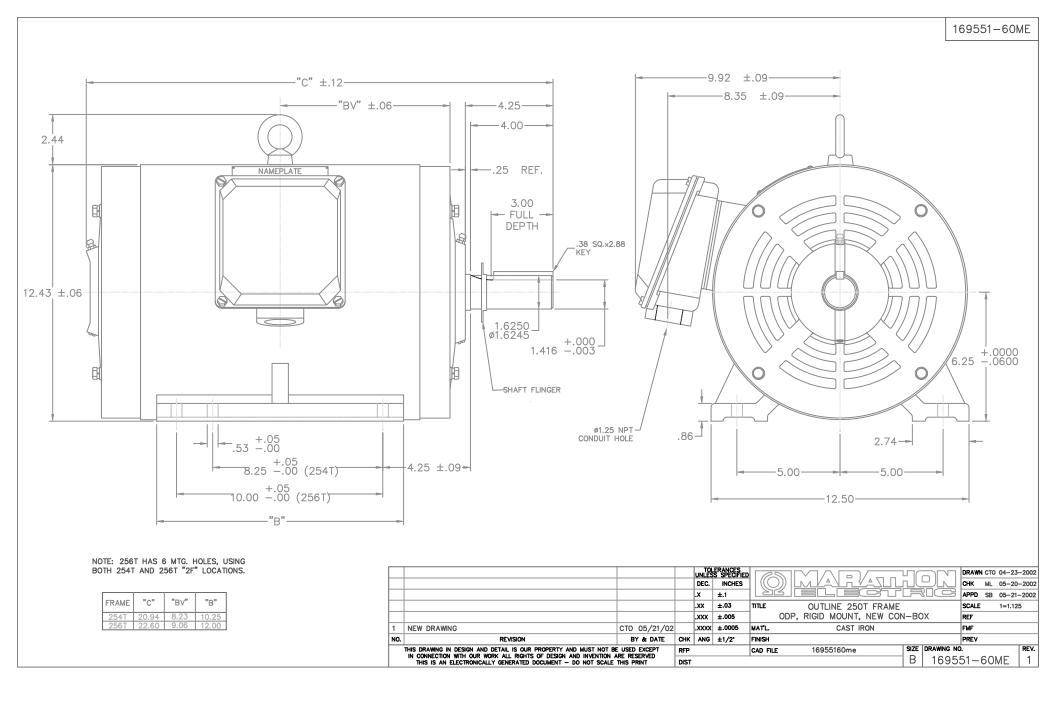
## Nameplate Specifications

3	Output HP	20 & 20 Hp
14.9 & 14.9 kW	Voltage	208-230/460 & 200/400 V
3550 & 2940 rpm	Service Factor	1.15 & 1.0
254T	Enclosure	Drip Proof
No Protection	Efficiency	93 & 91.7 %
40 °C	Frequency	60 & 50 Hz
50-46/23 & 52/26 A	Power Factor	89
Continuous	Insulation Class	F
В	KVA Code	G
6309	Opp Drive End Bearing Size	6208
Recognized	CSA	Υ
Υ	IP Code	22
1		
	14.9 & 14.9 kW 3550 & 2940 rpm 254T  No Protection 40 °C 50-46/23 & 52/26 A  Continuous  B 6309  Recognized	14.9 & 14.9 kW  3550 & 2940 rpm  Service Factor  Enclosure  No Protection  Efficiency  40 °C  Frequency  50-46/23 & 52/26 A  Power Factor  Continuous  Insulation Class  B  KVA Code  6309  Opp Drive End Bearing Size  Recognized  CSA

# **Technical Specifications**

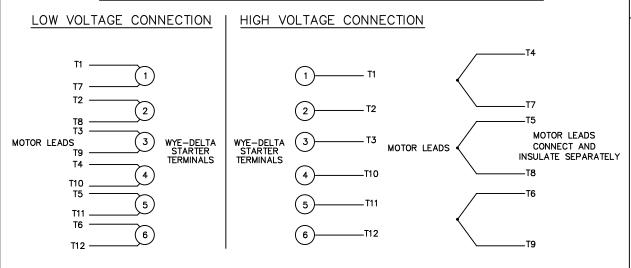
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.417 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	20.94 in
Shaft Diameter	1.625 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1/F2 Capable		
Connection Drawing	004172_01ME	Outline Drawing	16955160ME-254T

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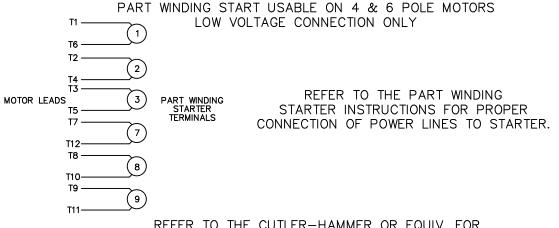


T7

## 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.



REVISION

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IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

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

DEC.

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±7'30"

07-19-2007

	T3/					\110				
		T11 VV	<u>√</u>		T5 \	₩ <u>T2</u>				
	ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS  • RED LEADS OR P1, P2, FOR N/C THERMOSTAT									
		ACROSS	THE L	INE	START	& RUN				
		LINE 1	LINE	2	LINE 3	JOIN & INSULATE SEPARATELY				
	HIGH VOLT	T1,T12	T2,T1	0	T3,T11	(T4,T7) (T5,T8) (T6,T9)				
	LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T1		T3,T5 T9,T11					
			DRAWN RJW 07-19-2007 CHK ML 07-19-2007 APPD GK 07-19-2007							
T	A - WYE	CONNECT	SCALE 1=1							
	REF MU61151 FMF									
						PREV				
00	4172-01ME			size A		NO. PAGE 1 OF 1 REV. 1172-01ME				

LINE LEADS

THERMOSTAT

**OPTIONAL** 

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NO.

T6

#### **CERTIFICATION DATA SHEET**

254TTDC6001 AA Model#: WINDING#: T12902025 NONE 3 CONN. DIAGRAM: 004172\_01ME ASSEMBLY: F1/F2 CAPABLE

F.L. RPM

SYNC. RPM

OUTLINE: 16955160ME

KW

400

ΗP

#### **TYPICAL MOTOR PERFORMANCE DATA**

20&20	14.9&1	4.9	3600	3550&2940	254T	DP		G	В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208-	50-	ACROSS THE	CONTINUOU	F2	1.15/1.0	40	3300
		230/460#200/	46/23&52/26	LINE	S				

FRAME

**ENCLOSURE** 

**KVA CODE** 

DESIGN

FULL LOAD EFF: 93&91.7	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 92	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89&90.3	3/4 LOAD PF: 87.5	1/2 LOAD PF: 82	92.4	SQ CAGE IND RUN	12.2 / 6.1

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
30 LB-FT	290 / 145	57 LB-FT 190	84 LB-FT 280	48	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT	
75 dBA	85 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	-	300 LBS.	

### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6309	6208					ROLLED (C-204)	

THERMO-PROTECTORS			THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

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