

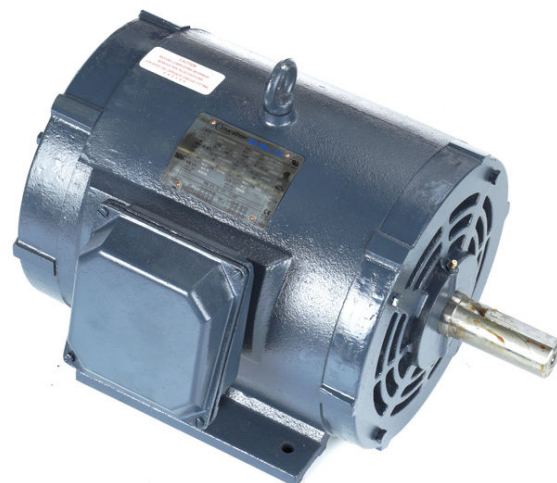
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 254TTDC6026

Catalog No: U767

XRI® General Purpose General Purpose Motor, 15 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1800 & 1500 RPM, 254T Frame, DP



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

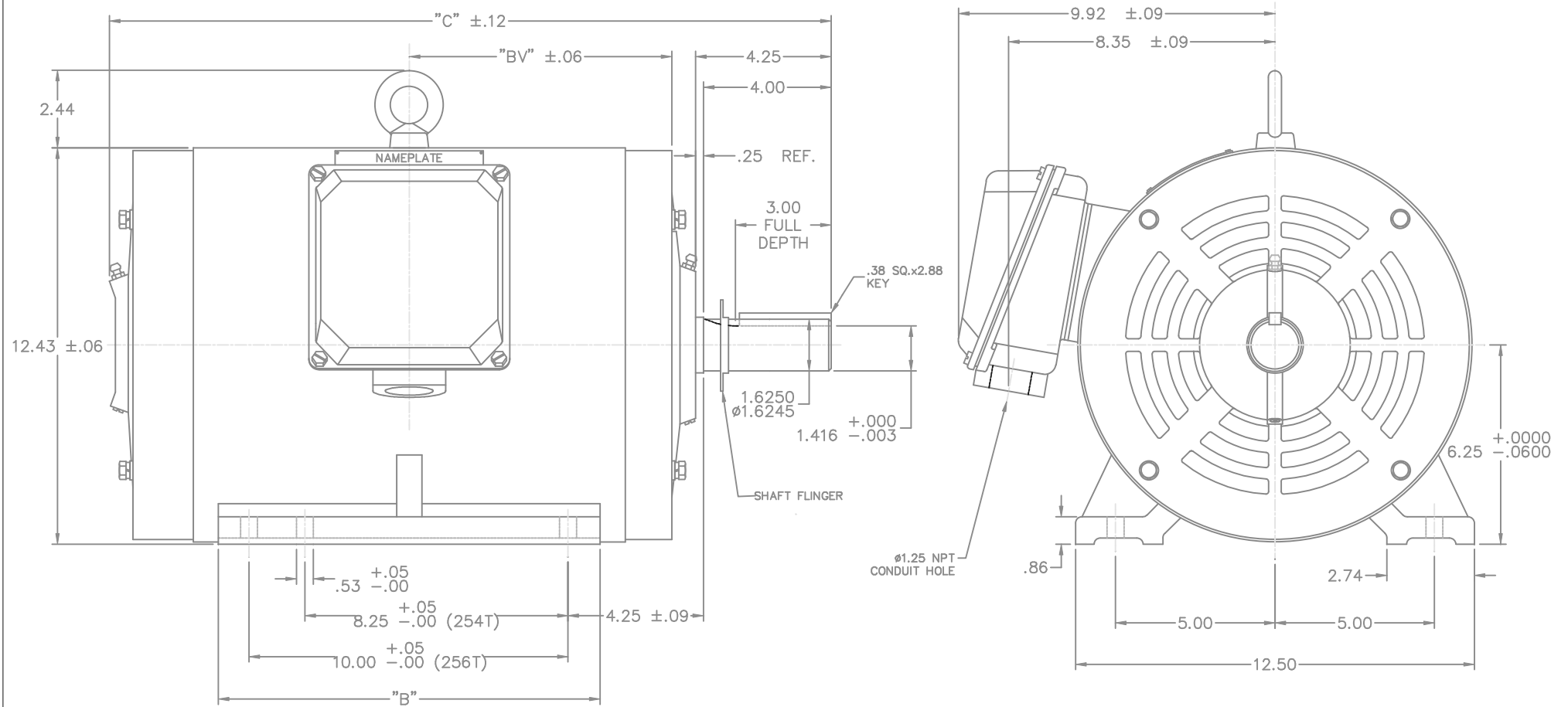
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 15 Hp
Output KW	11.2 & 11.2 kW	Voltage	208-230/460 & 200/400 V
Speed	1775 & 1478 rpm	Service Factor	1.15 & 1.0
Frame	254T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	40.5-37/18.5 & 42/21 A	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	H
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.54 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	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



NOTE: 256T HAS 6 MTG. HOLES, USING BOTH 254T AND 256T "2F" LOCATIONS.

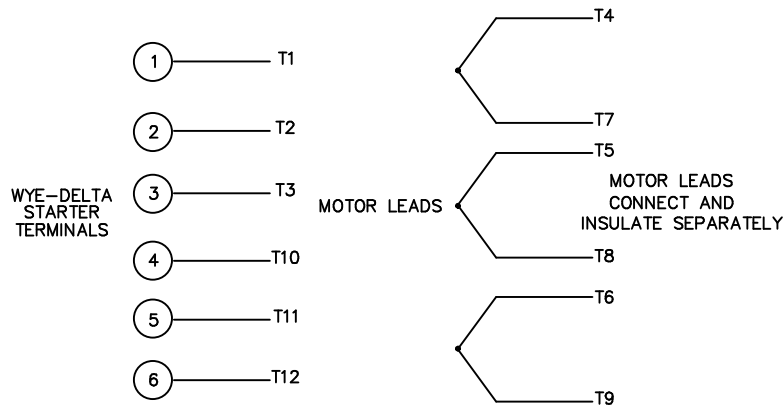
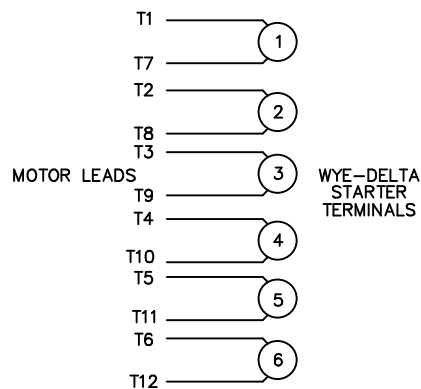
FRAME	"C"	"BV"	"B"
254T	20.94	8.23	10.25
256T	22.60	9.06	12.00

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN CTO 04-23-2002	
		DEC.	INCHES			CHK	ML 05-20-2002
		.X	±.1	TITLE		APPD	SB 05-21-2002
		.XX	±.03	OUTLINE 250T FRAME		SCALE	1=1.125
		.XXX	±.005	ODP, RIGID MOUNT, NEW CON-BOX		REF	
		.XXXX	±.0005	MAT'L		FMF	
1	NEW DRAWING	CTO	05/21/02	FINISH		PREV	
NO.		REVISION	BY & DATE	CHK	ANG	±1/2'	
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	16955160me	SIZE
				DIST			DRAWING NO.
							B
							169551-60ME
							REV.
							1

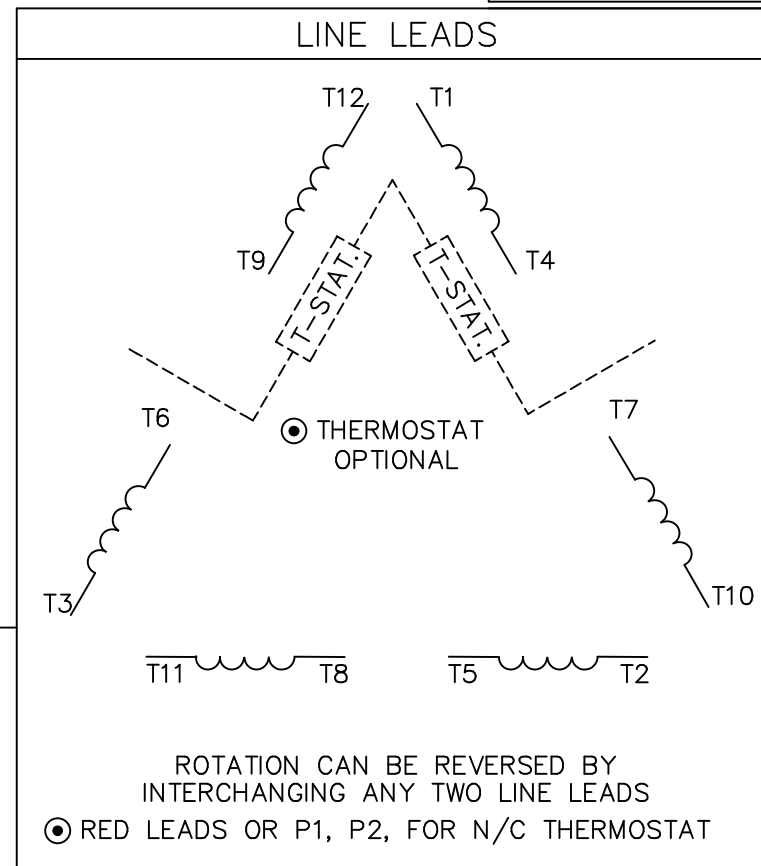
WYE - DELTA STARTING USEABLE ON 2, 4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

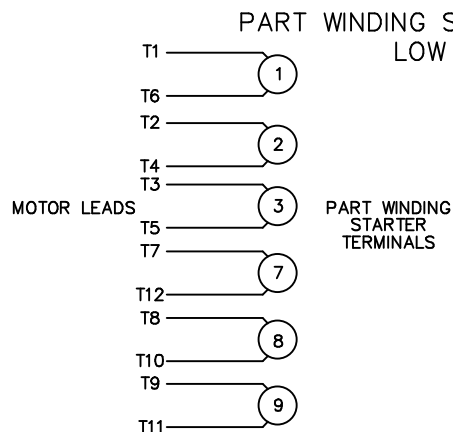
HIGH VOLTAGE CONNECTION



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



ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS
 ● RED LEADS OR P1, P2, FOR N/C THERMOSTAT



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				DRAWN RJW 07-19-2007	
				DEC.	INCHES			CHK ML 07-19-2007	
				.X	±.1			APPD GK 07-19-2007	
				.XX	±.02			SCALE 1=1	
				.XXX	±.005			REF MU61151	
				.XXXX	±.0005	MAT'L.		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH		PREV	
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	07-19-2007	CAD FILE 004172-01ME		SIZE	DRAWING NO. PAGE 1 OF 1
				DIST	LB			A	004172-01ME

** Subject to change without notice.

Data Sheet

Date: 6/19/2017

254TTDC6026

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 460 V

Motor Load Data

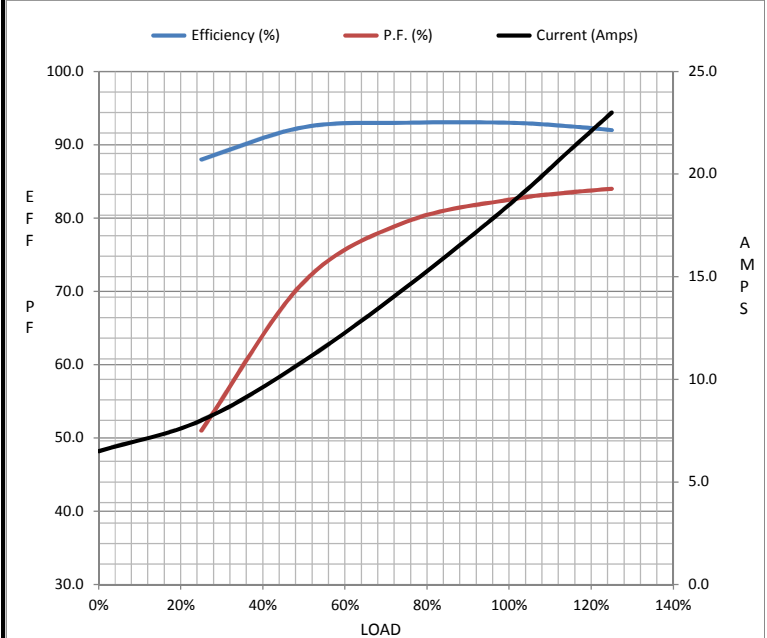
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.5	8.0	10.9	14.5	18.5	21.2	23.0	128
Torque (ft-lb)	0.00	11.3	22.5	33.8	45.0	51.8	56.3	78.5
RPM	1800	1795	1790	1784	1775	1,773	1770	0
Efficiency (%)		88.0	92.4	93.0	93.0	92.5	92.0	
P.F. (%)	6.1	51.0	71.3	79.5	82.5	83.5	84.0	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1675	1775	1800
Current (Amps)	128	118	75.0	18.5	6.5
Torque (ft-lb)	78.5	64.1	135	45.0	0.00

Information Block

HP	15.0			
Sync. RPM	1800			
Frame	254			
Enclosure	DP			
Construction	TDC			
Voltage	3-230/460#200/2 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	40 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T12904022 NONE			
Sound Pressure @ 1M	74 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	16955160ME			
Conn. Diag	004172_01ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

