

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364TTDCA6060

Catalog No: U1779

XRI® General Purpose General Purpose Motor, 60 & 60 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1800 & 1500 RPM, 364T Frame, DP



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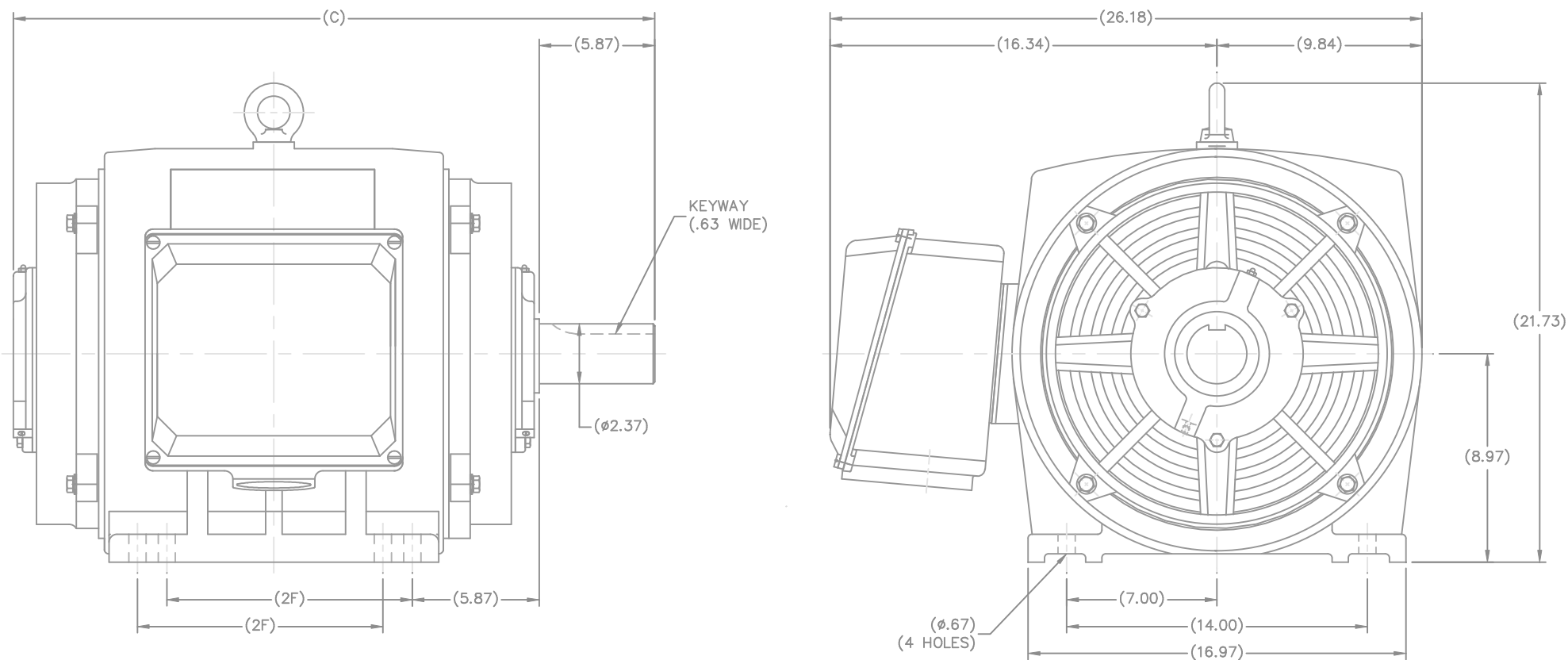
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	60 & 60 Hp
Output KW	45.0 & 45.0 kW	Voltage	208-230/460 & 200/400 V
Speed	1791 & 1488 rpm	Service Factor	1.25 & 1.15
Frame	364T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.4 & 95.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	152-139/69.5 & 162/81 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.0595 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	31.54 in
Frame Length	17.32 in	Shaft Diameter	2.375 in
Shaft Extension	5.87 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	004172_01	Outline Drawing	B-SS622157



DIMENSIONS IN TABLE ARE FOR REFERENCE

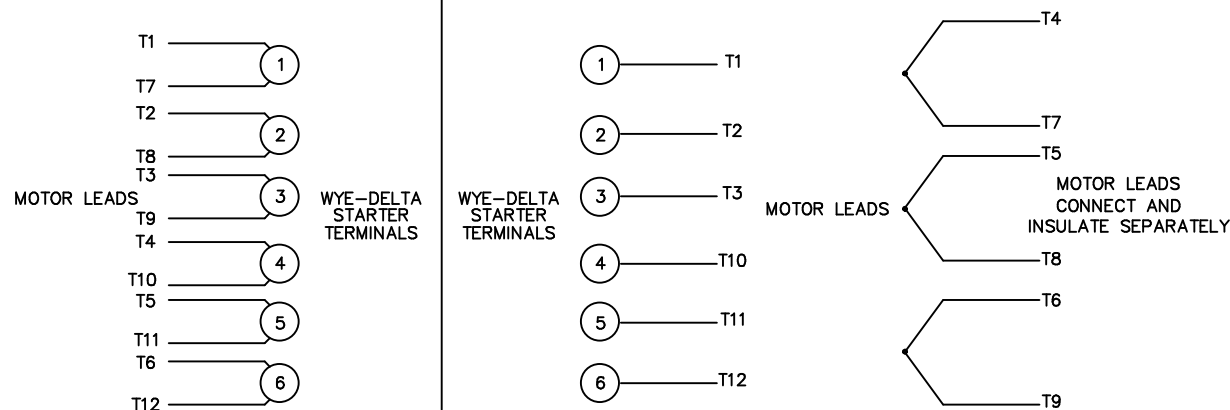
N364 ODP	31.54	11.26
N365 ODP	32.72	12.24
FRAME	C	2F

			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN MSG 11-16-2006			
			DEC.	INCHES		CHK	ML	11-16-2006	
			.X	±.1		APPD	SB	11-16-2006	
			.XX	±.03	TITLE OUTLINE	SCALE	7=32		
			.XXX	±.005	364T/365T FR. - ODP	REF			
			.XXX	±.0005	MAT'L	FMF	HEBEI		
			CHK	ANG ±7'30"	FINISH	PREV			
NO.	REVISION	BY & DATE	RFP	CAD FILE SS622157	SIZE	DRAWING NO.	PAGE	OF	REV.
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					DIST	CHA			

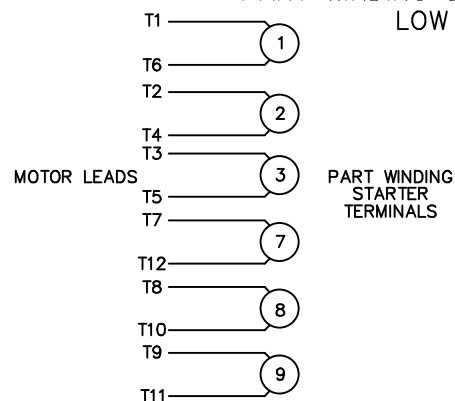
WYE - DELTA STARTING USEABLE ON 2, 4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



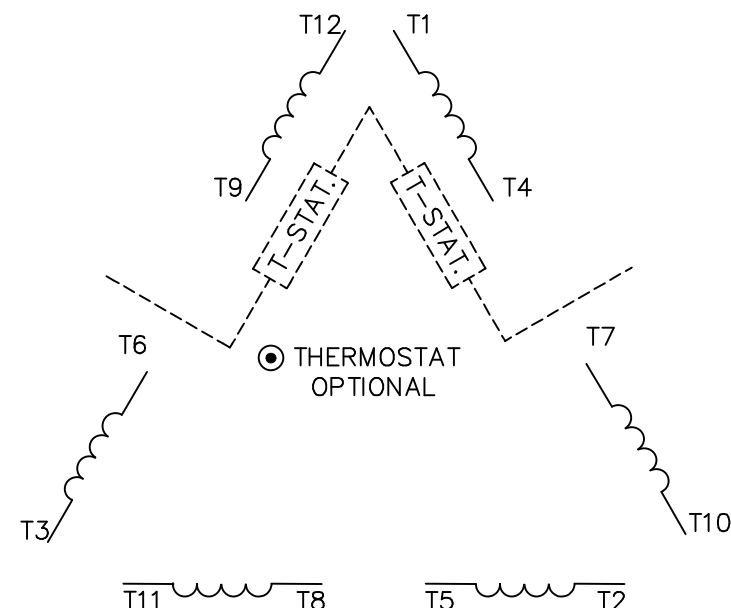
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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.

LINE LEADS



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	

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.02

.XXX ±.005

.XXXX ±.0005

ANG ±7'30"



TITLE DELTA - WYE CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE 004172_01

DIST LB

DRAWN CTO 09-29-2004

CHK ML 09-29-2004

APPD SB 09-29-2004

SCALE 1=1

REF MU61151

FMF

PREV

NO. REVISION

BY & DATE

CHK

RFP

DIST LB

SIZE

A

DRAWING NO. PAGE 1 OF 1

004172-01

REV.

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CERTIFICATION DATA SHEET

Model#: 364TTDCA6060 AA
 CONN. DIAGRAM: 004172_01
 OUTLINE: B-SS622157

WINDING#: T18304020 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&60	45&45	1800	1791&1488	364T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#200/ 400	152- 139/69.5&162/ 81	ACROSS THE LINE	CONTINUOU S	F2	1.25/1.15	40	3300

FULL LOAD EFF: 95.4&95.4	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&84	3/4 LOAD PF: 81.5	1/2 LOAD PF: 73	93	SQ CAGE IND RUN	50 / 25

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
176 LB-FT	940 / 470	325 LB-FT 185	525 LB-FT 298	20

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
79 dBA	89 dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	716 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	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 MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	6314						

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

* N O T E S *	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

DATE: 06/21/2017 08:06:03 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 19-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



364TTDCA6060

Submittal

Data @ 460 V

Motor Load Data

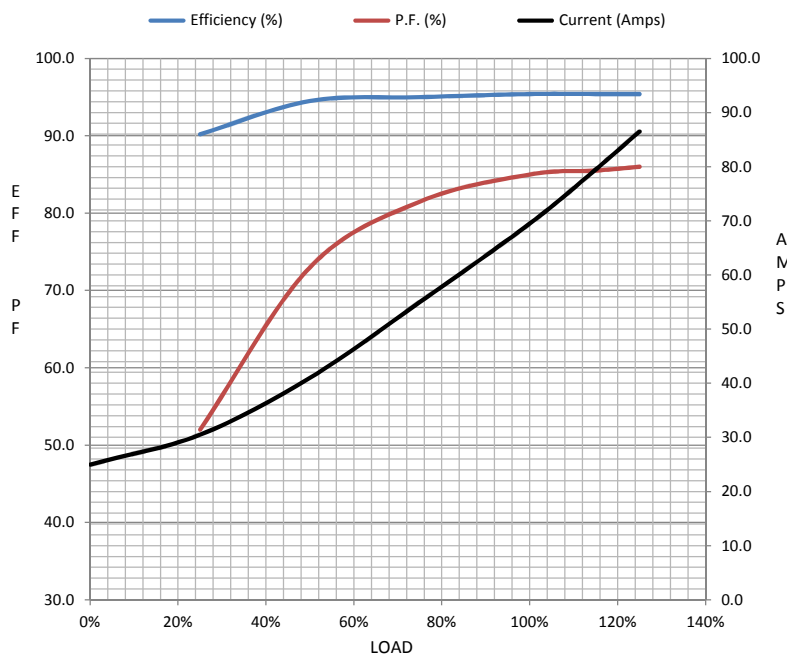
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.0	30.5	41.0	55.0	69.5	79.5	86.5	470	
Torque (ft-lb)	0.00	44.0	88.0	132	176	203	220	325	
RPM	1800	1798	1796	1793	1791	1,790	1789	0	
Efficiency (%)		90.2	94.5	95.0	95.4	95.4	95.4		
P.F. (%)	6.0	52.0	73.0	81.5	85.0	85.5	86.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1791	1800
Current (Amps)	470	425	285	69.5	25.0
Torque (ft-lb)	325	300	525	176	0.00

Information Block

HP	60.0			
Sync. RPM	1800			
Frame	364			
Enclosure	DP			
Construction	TDC			
Voltage	B-230/460#200/4V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	20 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T18304020 NONE			
Sound Pressure @ 1M	79 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS622157			
Conn. Diag	004172_01			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

