

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTDCA6060

Catalog No: U1783

General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V, 1800 & 1500 RPM,
365T Frame, DP



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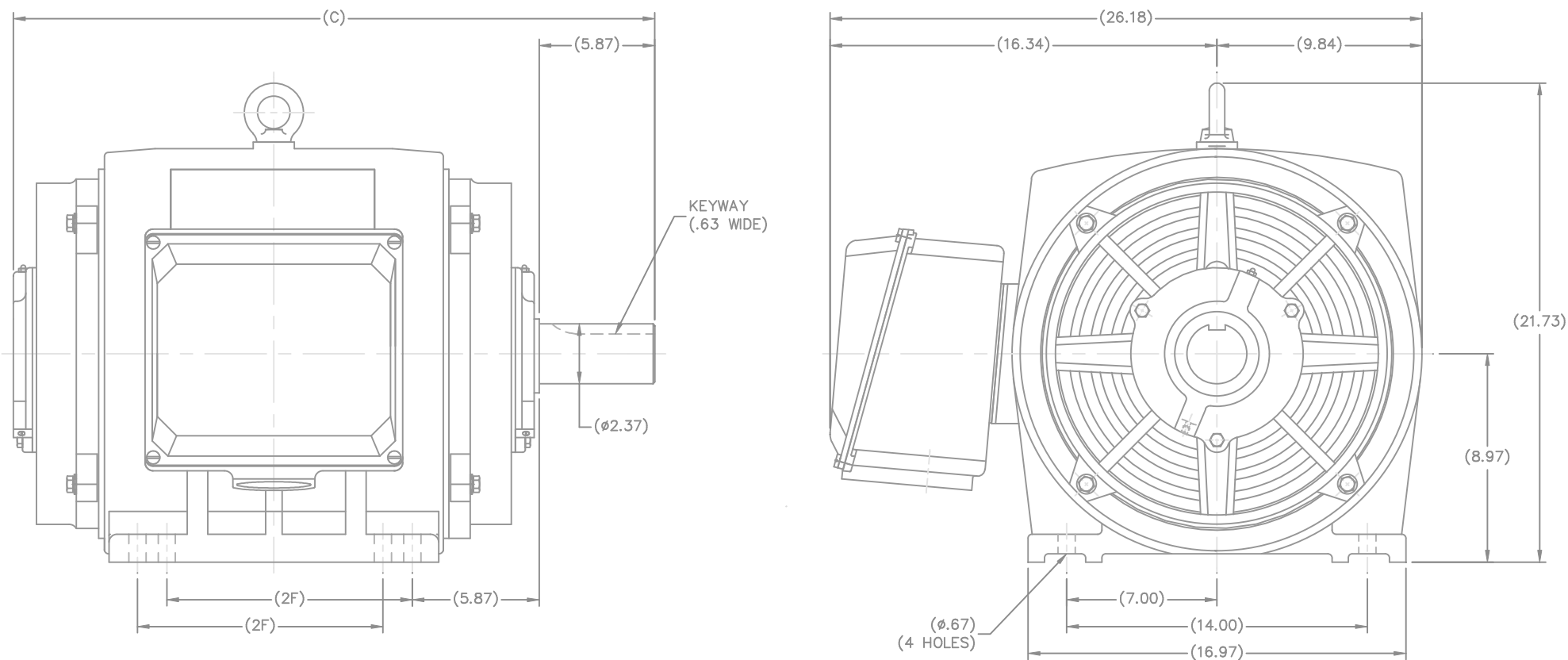
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	208-230/460 & 200/400 V
Speed	1788 & 1490 rpm	Service Factor	1.25 & 1.15
Frame	365T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	189-174/87.0 & 141/70.5 A	Power Factor	84.5
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	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.0512 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	32.72 in
Shaft Diameter	2.380 in	Shaft Extension	5.87 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS622157	Connection Drawing	004172_01



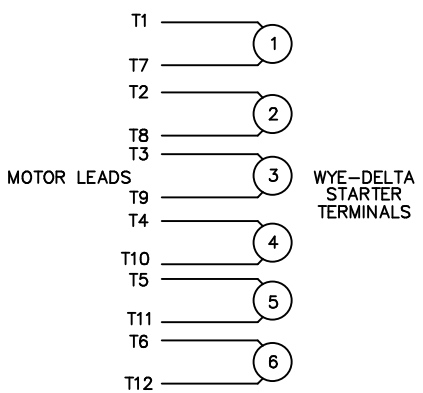
DIMENSIONS IN TABLE ARE FOR REFERENCE

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

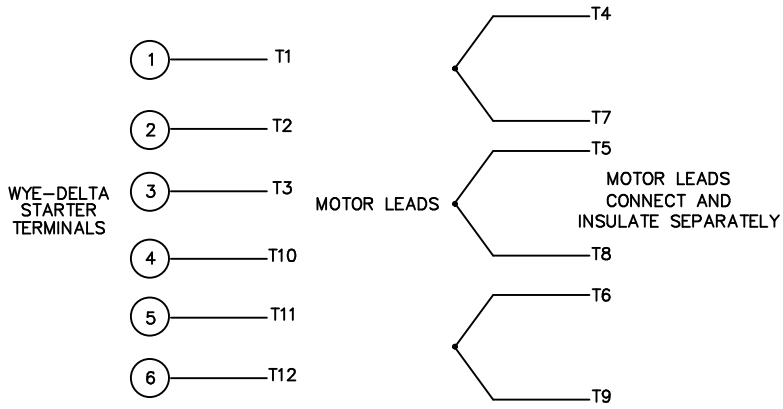
		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN MSG 11-16-2006
		DEC.	INCHES		
		.X	±.1	TITLE OUTLINE 364T/365T FR. - ODP	CHK ML 11-16-2006
		.XX	±.03		APPD SB 11-16-2006
		.XXX	±.005		SCALE 7=32
		.XXXX	±.0005		REF
NO.	REVISION	BY & DATE	CHK ANG ±.730"	MAT'L	FMF HEBEI
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RFP				CAD FILE SS622157	SIZE B
DIST CHA				DRAWING NO. SS622157	PAGE OF REV.

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

LOW VOLTAGE CONNECTION

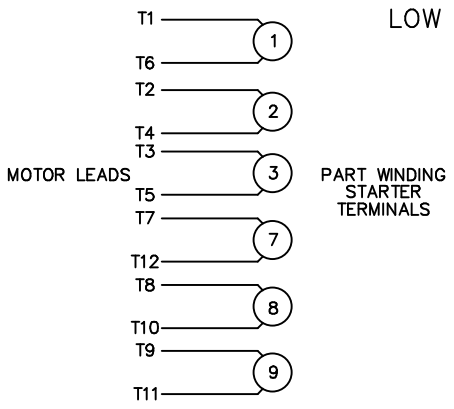


HIGH VOLTAGE CONNECTION



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

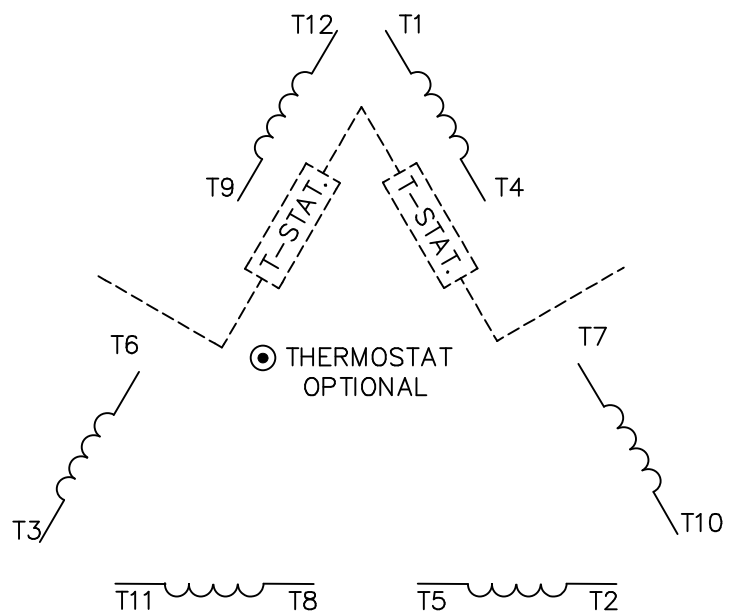
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



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			DRAWN CTO 09-29-2004		
				DEC.	INCHES		CHK	ML	09-29-2004
				.X	±.1		APPD	SB	09-29-2004
				.XX	±.02		SCALE 1=1		
				.XXX	±.005		REF MU61151		
				.XXXX	±.0005		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV		
				RFP		CAD FILE 004172_01	SIZE A	DRAWING NO.	PAGE 1 OF 1
				DIST	LB			004172-01	REV.

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CERTIFICATION DATA SHEET

Model#: 365TTDCA6060 BB
 CONN. DIAGRAM: 004172_01
 OUTLINE: B-SS622157

WINDING#: T18304021 DR 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	1800	1788&1490	365T	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	189- 174/87.0&141/ 70.5	PWS(LV ONLY) & YDRUN	CONTINUOU S	F2	1.25/1.15	40	3300

FULL LOAD EFF: 95.4	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84.5	3/4 LOAD PF: 82	1/2 LOAD PF: 74.5	-	SQ CAGE IND RUN	56 / 28

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
220 LB-FT	1112 / 556	390 LB-FT 177	603.5 LB-FT 274	-

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

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

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DATE: 06/22/2017 12:31:58 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 12/12/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTDCA6060

Submittal

Data @ 460 V

Motor Load Data

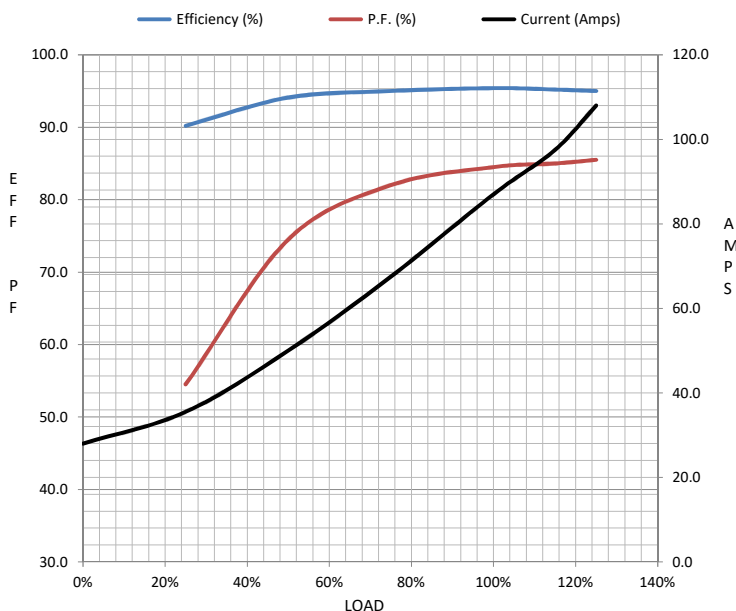
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	28.0	35.5	50.0	67.5	87.0	97.5	108	556	
Torque (ft-lb)	0.00	55.0	110	165	220	248	276	390	
RPM	1800	1798	1795	1792	1788	1,787	1785	0	
Efficiency (%)		90.2	94.1	95.0	95.4	95.2	95.0		
P.F. (%)	6.5	54.5	74.5	82.0	84.5	85.0	85.5	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1200	1735	1788	1800
Current (Amps)	556	467	300	87.0	28.0
Torque (ft-lb)	390	311	604	220	0.00

Information Block

HP	75.0			
Sync. RPM	1800			
Frame	365			
Enclosure	DP			
Construction	TDS			
Voltage	208-230/460#200/400 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.25			
Temp Rise @ FL	26 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T18304021 DR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS622157			
Conn. Diag	004172_01			
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

