

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTDCA6086

Catalog No: U1928

XRI® General Purpose General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1200 & 1000 RPM, 365T Frame, DP



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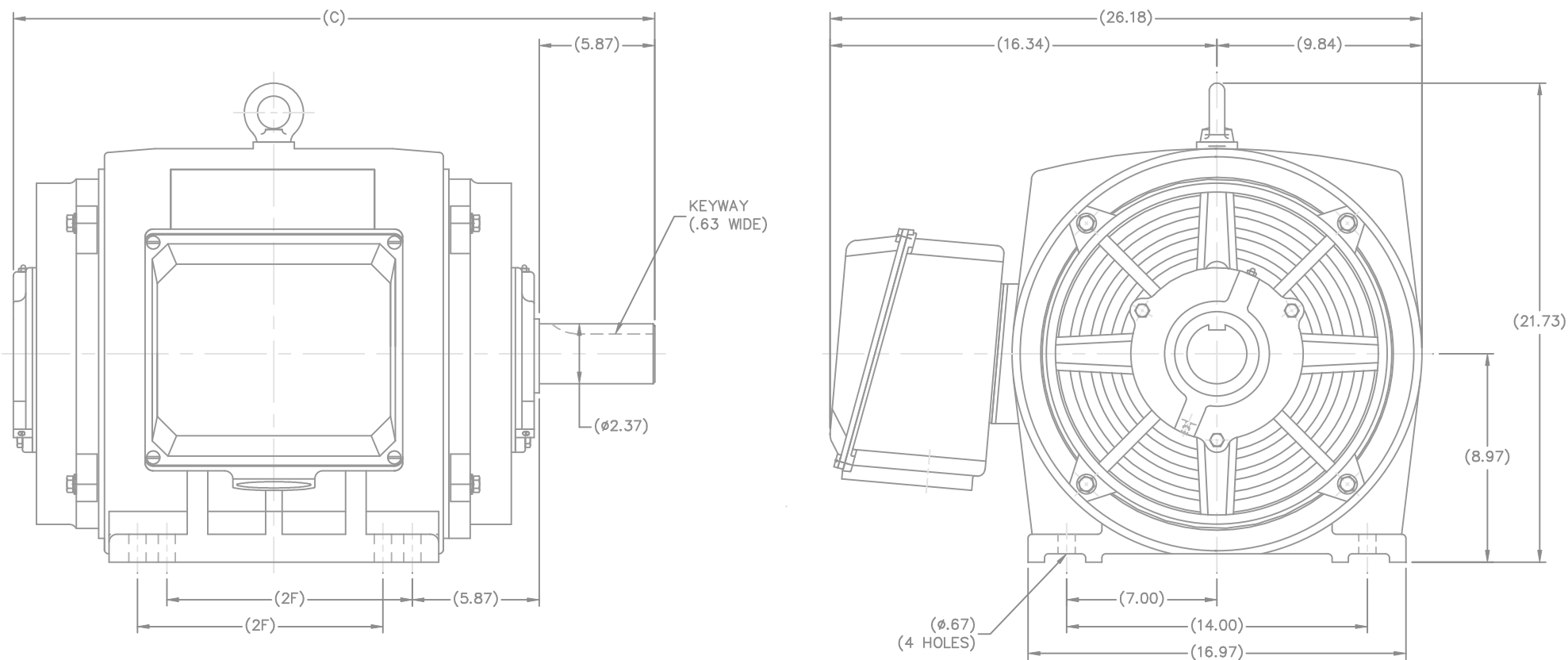
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	208-230/460 & 200/400 V
Speed	1192 & 1192 rpm	Service Factor	1.15 & 1.15
Frame	365T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.1 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	134-125/62.5 & 92.0/46.0 A	Power Factor	79.5
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 Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.1223 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	26.02 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	VARIABLE 10:1
Outline Drawing	SS622157	Connection Drawing	004172.01ME



DIMENSIONS IN TABLE ARE FOR REFERENCE

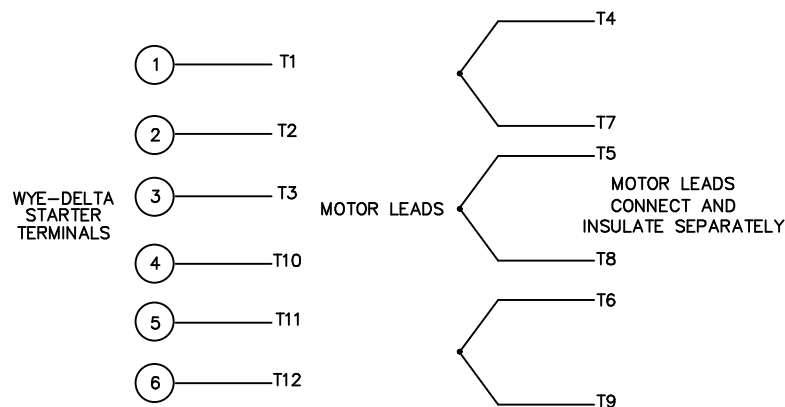
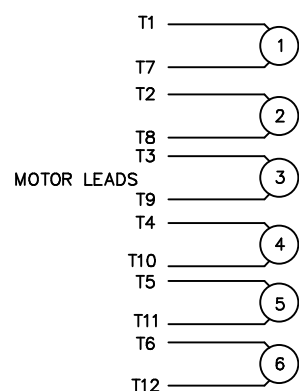
N364 ODP	31.54	11.26
N365 ODP	32.72	12.24
FRAME	C	2F

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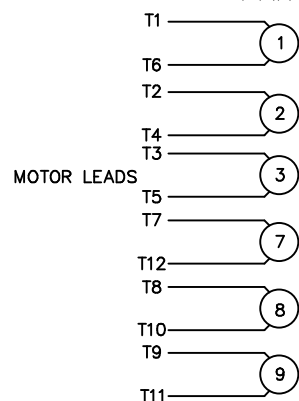
WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



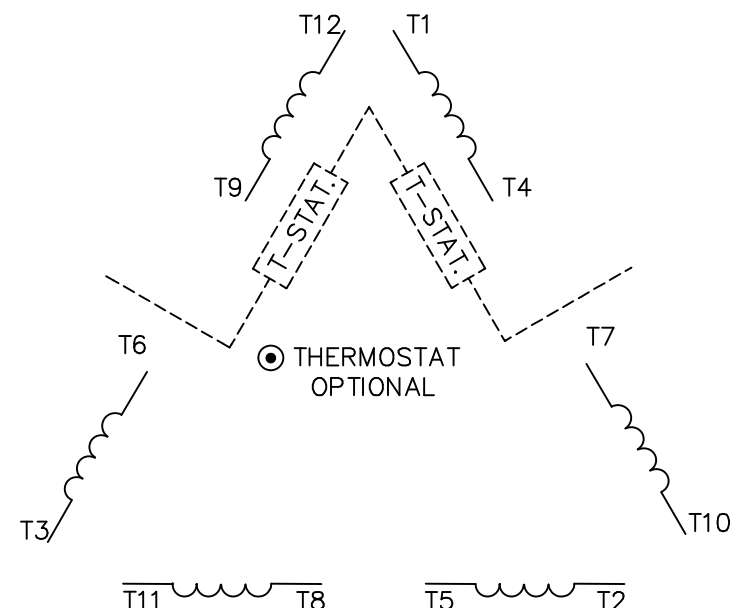
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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.

LINE LEADS



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



DRAWN	WLW 09/08/77
CHK	RPB 09/12/77
APPD	JCW 09/12/77
SCALE	1=1
REF	
FMF	
PREV	

NO.	REVISION	BY & DATE	CHK	ANG	±1/2"
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00	.XX	±.01	
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98	.XXX	±.005	
01	REDRAWN TO CAD	DBT 06/02/97	.XXXX	±.0005	

TITLE DELTA - WYE CONNECTION DIAGRAM

MAT'L.

FINISH

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CAD FILE 00417201ME

SIZE

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DRAWING NO.

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REV.

03



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7308DX**OUTLINE:** SS620841**WINDING #:** TPE3644001 1**CUSTOMER PO#:****MODEL #:** 364VTDC6026 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45.0&37.0	1800	1780&1480	364TPV	WPI	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	150/75&154/77	PWS (LV ONLY) & YDRUN OR INV	CONTINUOUS	F	1.15/1.15	40

FULL LOAD EFF:	95&94.1	3/4 LOAD EFF:	95	1/2 LOAD EFF:	94.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	79&78	3/4 LOAD PF:	75	1/2 LOAD PF:	64.5	94.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
176 LB-FT	900 / 450	338 LB-FT 192 %	397 LB-FT 225 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
74 dBA	84 dBA	12.7 LB-FT^2	621 LB-FT^2	12 SEC.	2	1055 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE-16	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	SINGLE ANGULAR CONTACT	POLYREX/ISOVG32	TP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6313	7219B						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	110 VOLTS

*

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INVERTER TORQUE: VARIABLE 3:1
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

PREPARED BY: Dinesh**Suddula DATE:**

02/18/2019 01:31:17 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 1/4/2019

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTDCA6086

Submittal

Data @ 460 V

Motor Load Data

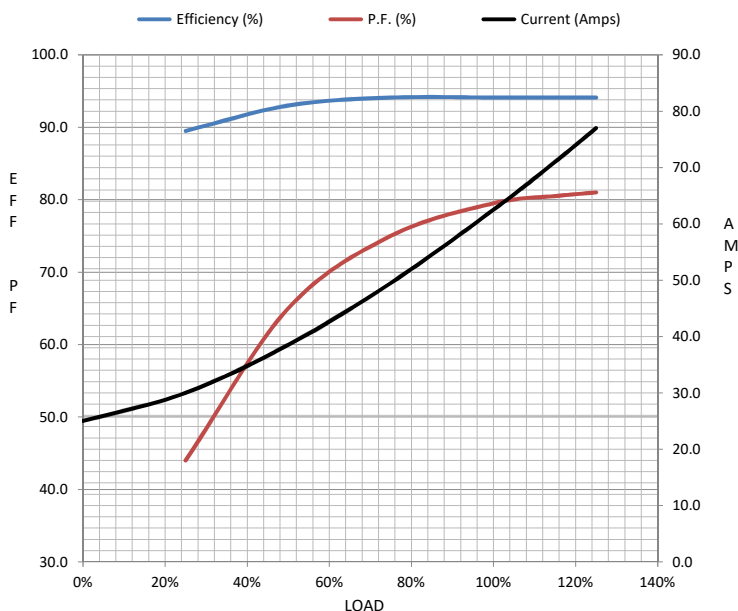
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.0	30.0	38.5	49.5	62.5	71.0	77.0	362	
Torque (ft-lb)	0.00	54.5	110	165	221	255	275	455	
RPM	1200	1198	1196	1194	1192	1,191	1190	0	
Efficiency (%)		89.5	93.0	94.1	94.1	94.1	94.1		
P.F. (%)	5.0	44.0	65.0	75.0	79.5	80.5	81.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	980	1157	1192	1200
Current (Amps)	362	269	201	62.5	25.0
Torque (ft-lb)	455	322	531	221	0.00

Information Block

HP	50.0			
Sync. RPM	1200			
Frame	365			
Enclosure	DP			
Construction	TDC			
Voltage	208-230/460#200/400 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	26 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T18306023 DR			
Sound Pressure @ 1M	67 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS622157			
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

