

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 365TTFCD6080
Catalog No: GT1138A
50,1200,TEFC,365T,3/60/575
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



Nameplate Specifications

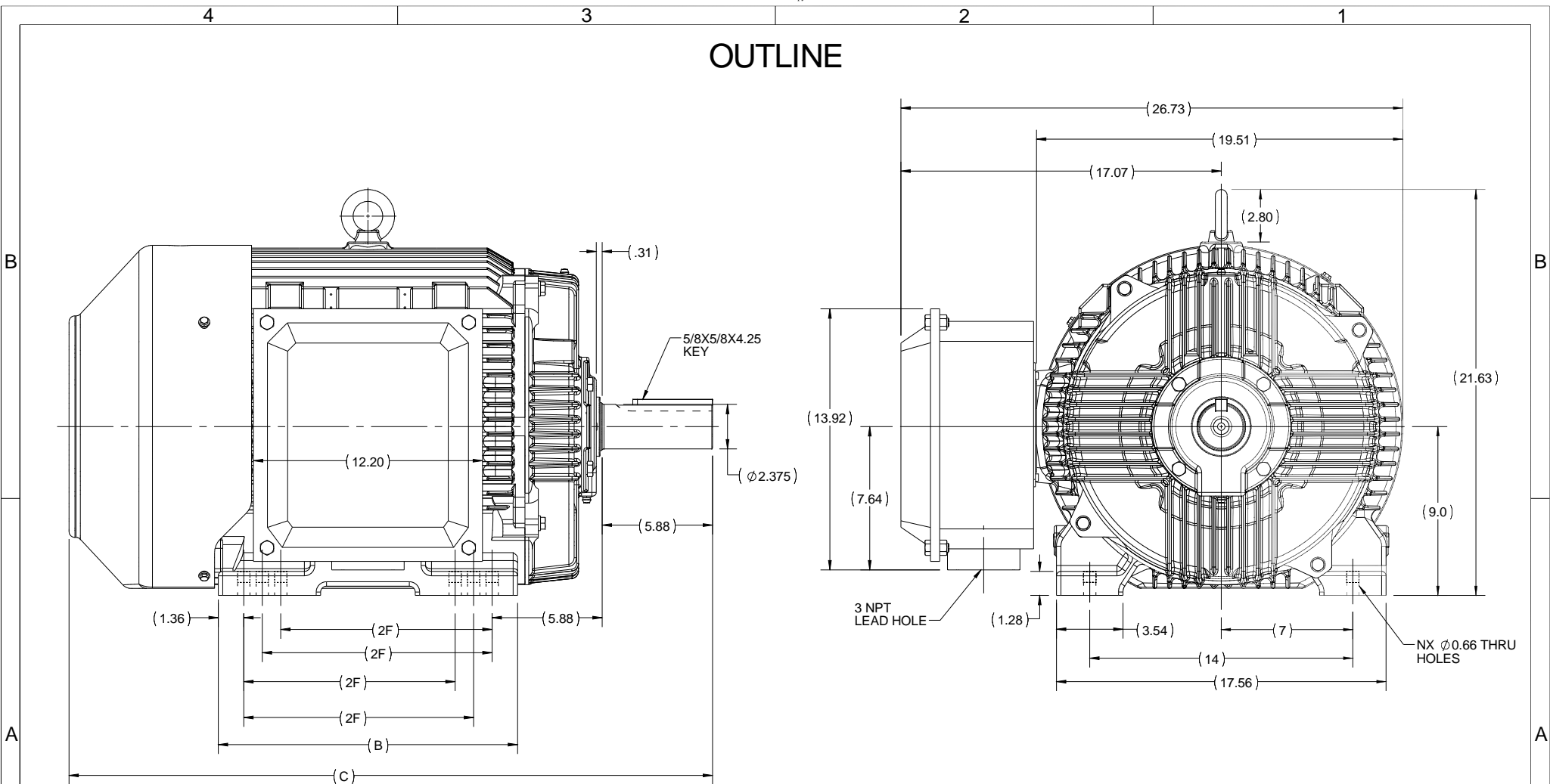
Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	575 V
Current	48.5 A	Speed	1188 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	365T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6213	UL	Listed
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Frame Length	16.73 in	Shaft Diameter	2.375 in
Shaft Extension	5.88 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS556999-365T	Connection Diagram	EE7300


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OUTLINE



365T	15.94	34.30	12.25	12
364T	14.96	33.32	11.25	8
FRAME	B	C	2F	N

DRAWING REVISION A	REVISION BY UDAY	DATE 4/7/2016
ECO ECO-0105009	APPROVED BY SBD	DATE 4/7/2016
ECO DESCRIPTION NEW OUTLINE RELEASE		
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DRAWN BY NIV	 Regal Beloit America, Inc.		
DATE 25/03/2016			
APPROVED BY SBD	DESCRIPTION OUTLINE 360T FR-TEFC		
DATE 25/03/2016	MATERIAL		
REFERENCE	PROCESS/FINISH		
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS556999	SHEET 1 OF 1

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017

ECO DESCRIPTION
UPDATED TO CURRENT STANDARDS
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DRAWN BY DA	
DATE 03-26-1993	
APPROVED BY TB	
DATE 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

		Regal Beloit America, Inc.	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR			
MATERIAL		PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER P.O. #:
 ORDER #: EE7300 REFERENCE MODEL #: 365TTCD6080
 CONN. DIAGRAM: SS556999 CAT #: GT1138A
 OUTLINE: HE32256004 NONE 3 CUSTOMER PART #:
 WINDING: HE32256004 NONE 3 MOUNTING: F1/F2 CAPABLE
 SPEED:
 TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
50	37	1200	1188	368T	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	48.5	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF		94.1	3/4 LD EFF	94.1	1/2 LD EFF	93.6	GTD EFF	ELECT. TYPE	
F.L. PF		82.5	3/4 LD PF	78.0	1/2 LD PF	68.5	93.6	SO CAGE INV BATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
221 LB-FT	290	398 LB-FT	180%	620 LB-FT
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME
68 DBA	77 DBA	27.5 LB-FT ²	900 LB-FT ²	START/SHOUR
				2
				MOTOR WGT
				1075 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	DIVISION 272B	NO	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE BALL 6313	BALL POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.129	0.079	0.532	0.983	16.478	0.080	ODE

* N		INVERTER TORQUE: VARIABLE 10:1	
O		INV. HP SPEED RANGE: NONE	
T		ENCODER: NONE	
E		NONE	
S		BRAKE: NONE	
.		NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		NONE	
		PPR	

PREPARED BY: FAREEDA DUDEKULA
 DATE: 5/3/2018
 FORM: 3531 REV_4 2/27/06
 UL: NO LETTER - ME:WUXI TEFC BLUEWHALE CLASS 1 DIV. 2 U.L. HZ:

Data Sheet

365TTFCD06080



Submital Data @ 575 V

Date: 5/3/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA

Motor Load Data

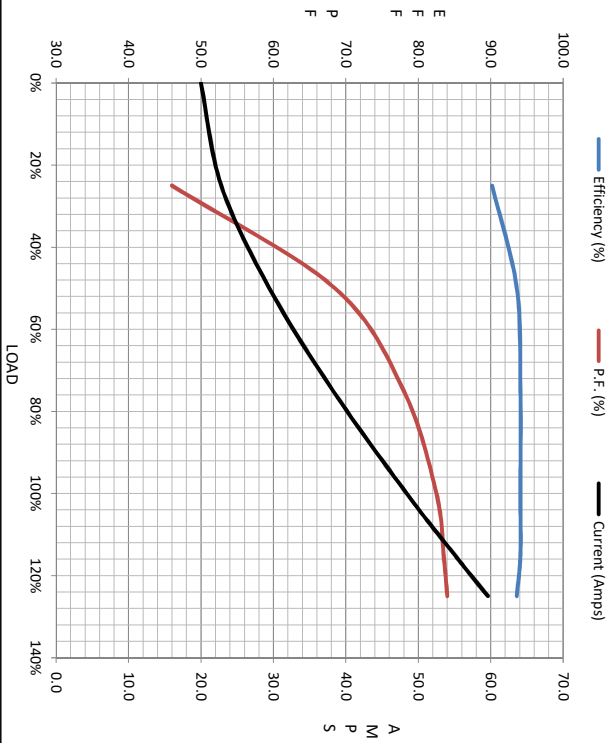
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	20.0	22.8	29.4	38.2	48.4	55.0	59.6	290
Torque (ft-lb)	0.00	55.0	110	165	221	255	277	398
RPM	1200	1198	1195	1190	1188	1,185	1184	0
Efficiency (%)		90.2	93.6	94.1	94.1	94.1	93.6	
P.F. (%)	5.0	46.0	68.5	78.0	82.5	83.5	84.0	34.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1135	1188	1200
Current (Amps)	290	232	172	48.4	20.0
Torque (ft-lb)	398	335	620	221	0.00

Information Block

HP	50.0
Sync. RPM	1200
Frame	3651B2TFC08080
Enclosure	TEFC
Construction	TFC
Voltage	575 V
Frequency	60 HZ
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	65 °C
Duty	CONT
Ambient	40 °C
P Elevation	1,000 feet
Rotor/Shaft wk ²	27.5 Lb-Ft ²
Ret Wdg	HEE2256004 NONE
Sound Pressure @ 1M	68 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS565999
Conn. Diag	EE7300
Additional Specifications:	
0	
0	
	EQUIV CKT (OHMS / PHASE)
	R1 R2 X1 X2 Km
	0.1290 0.0790 0.5320 0.9830 16.4780



Speed - Torque Curve

