

PRODUCT INFORMATION PACKET



Model No: D365T11FB13A

Catalog No: B199032.00

..50HP..1200RPM.365T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....GENERAL PURPOSE.....

Totally Enclosed Fan Cooled (TEFC)



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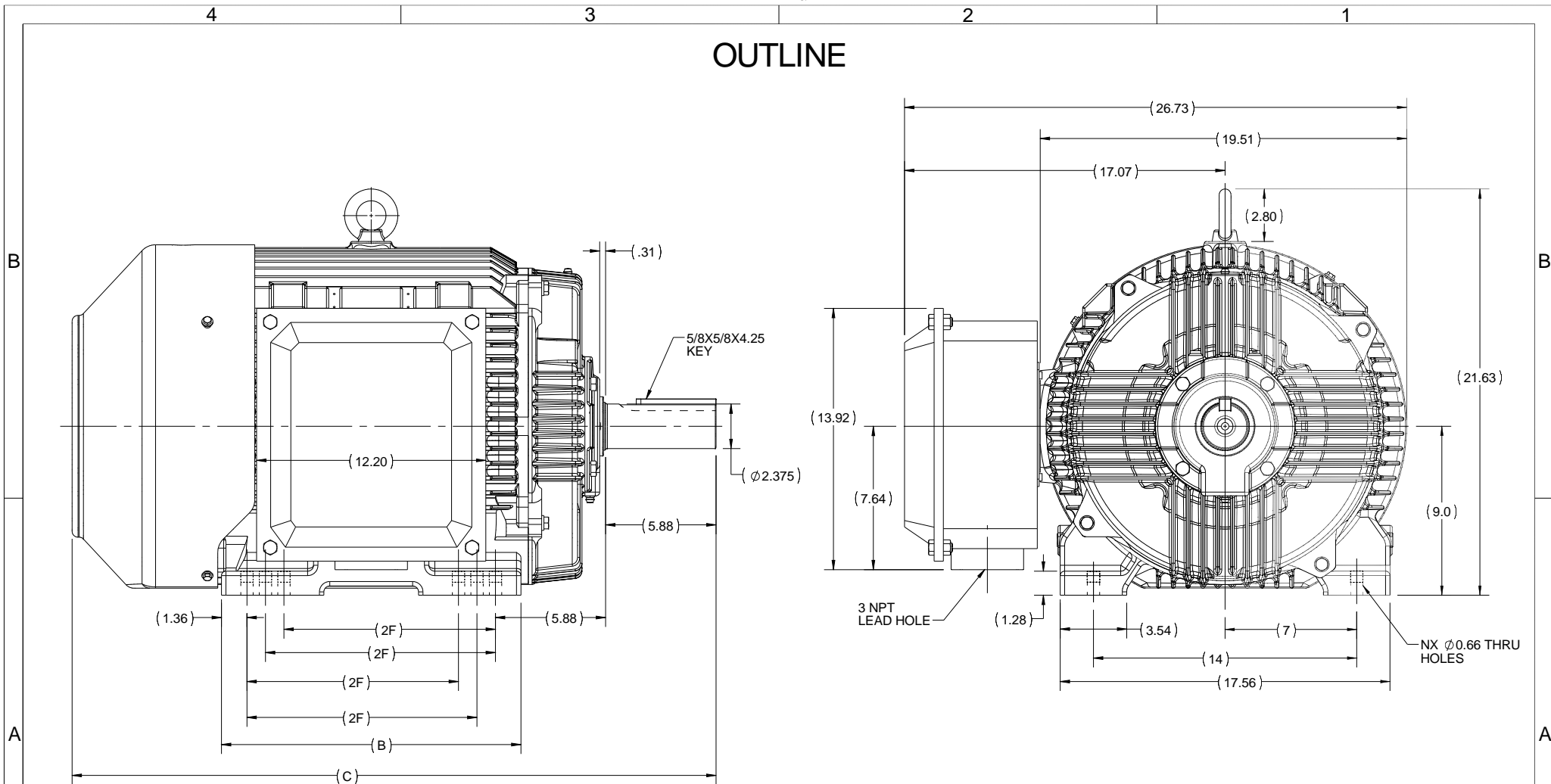
Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	121.0/60.5 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

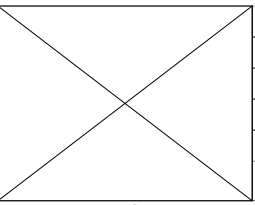
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	34.30 in	Frame Length	16.73 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS556999-365T	Connection Diagram	EE7308AA


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



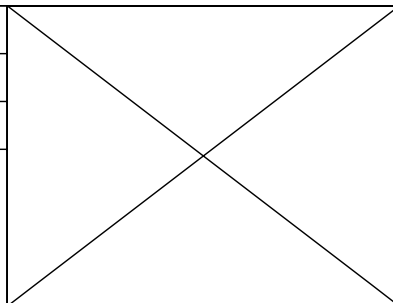
LOW VOLTAGE



HIGH VOLTAGE



DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	Regal Beloit America, Inc.	
DATE 01-12-1994		
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS	
DATE 01-14-1994		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA
		SHEET 1 OF 1



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EET7308AA
OUTLINE: SSS56999
WINDING: HE32256004

CAT #: B199032.00

NONE 2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
50	37	1200	1188	365T	TEFC	TFC	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	121/60.5&119/59.5	START D RUN OR INV	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	93.6	ELECT. TYPE	SO CAGE INVERTED
F.L. PF	82.5	3/4 LD PF	78.0	1/2 LD PF	68.5	93.6			
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	398 LB-FT	180%	620 LB-FT	B.D. TORQUE	281%	F.L. RISE (°C)	65
221 LB-FT									
PRESSURE @ 3	POWER	ROTOR WK²	27.5 LB-FT²	MAX. LOAD WK²	900 LB-FT²	SAFE STALL TIME	20 SEC.	STARTS/HOUR	2
68 DBA	77 DBA							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 2 T2B	NO	NONE	BLUE (ENAMEL)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL BALL 6313	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
0.083	0.05	0.34	0.629	10.546	0.080	ODE

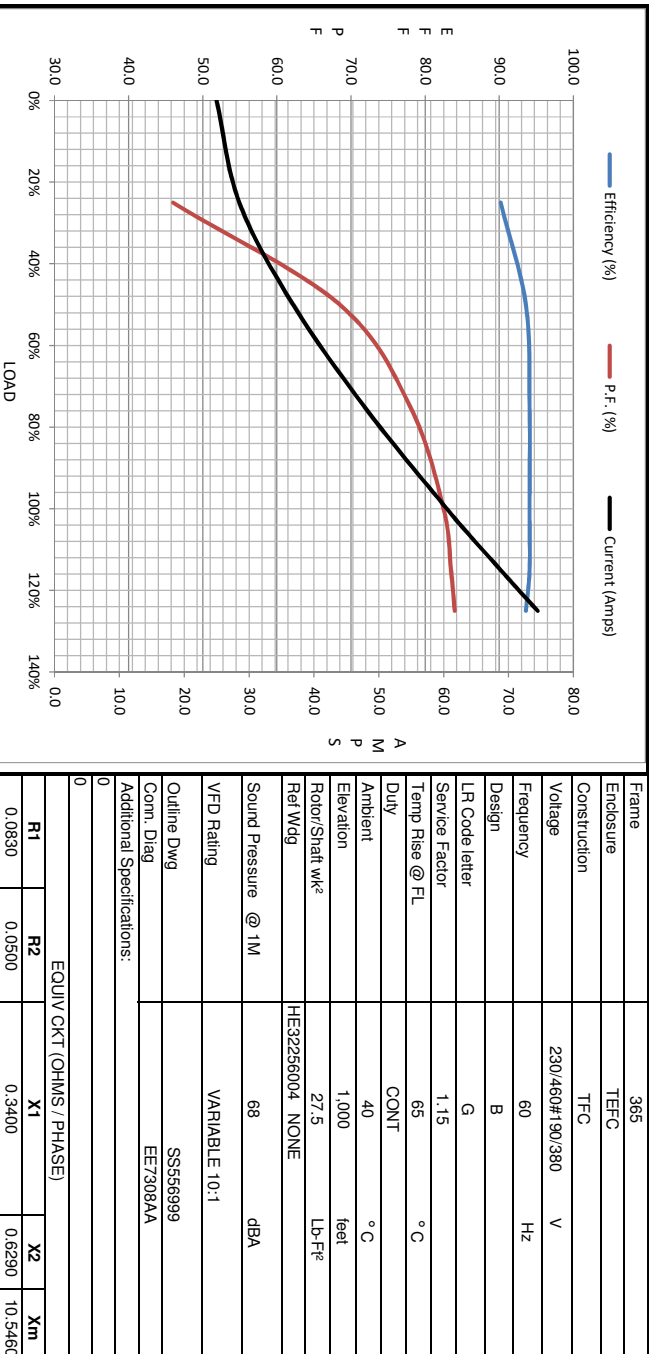
* N O T E S *		INVERTER TORQUE: VARIABLE 10:1	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		HZ: NONE	

DATE: 1/19/2018	UL: D-LE,WUXI TEFC BLUEWHALE CLASS 1 DIV. 2 UL LISTED
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Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	25.0	28.5	36.8	47.8	60.5	362
Torque (ft-lb)	0.00	55.0	110	165	221	398
RPM	1200	1198	1195	1190	1188	0
Efficiency (%)		90.2	93.6	94.1	94.1	93.6
P.F. (%)	5.0	46.0	88.5	78.0	82.5	83.5
						84.0

Motor Speed Data						Information Block																					
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
						50.0	1200	365	TEFC	TFC	230/460#190/380	60	B	G	1.15	65	CONT	40	1,000	27.5	HE32256004 NONE	68	VARIABLE 10:1	SS556999	EET308AA		
Speed (RPM)	0	600	1135	1188	1200																						
Current (Amps)	362	290	215	60.5	25.0																						
Torque (ft-lb)	398	335	620	221	0.00																						



R1	R2	X1	X2	Xm
0.0830	0.0500	0.3400	0.6290	10.5460

EQUIV CKT (OHMS / PHASE)

