

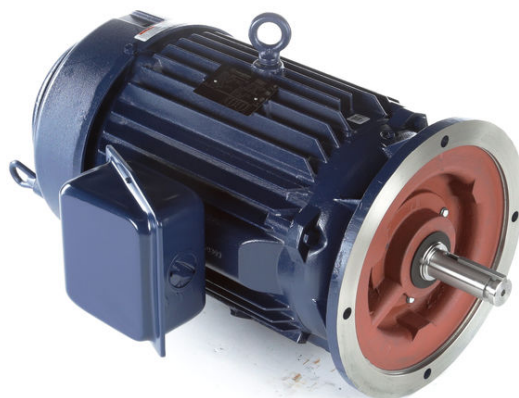
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTFS16013

Catalog No: M916B

75 HP Vertical Solid Shaft P-Base Motor, 3 phase, 3600 RPM, 230/460 V, 365HPV Frame, TEFC
Vertical Pump Motors



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord

Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	168.0/84.0 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	365HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

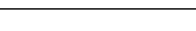
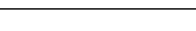
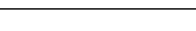
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.07 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	37.61 in
Frame Length	14.50 in	Shaft Diameter	1.625 in
Shaft Extension	4.50 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS518657-1450	Connection Drawing	A-EE7308K

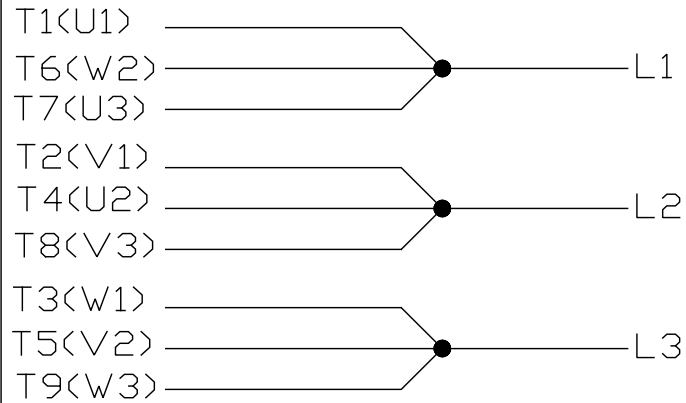
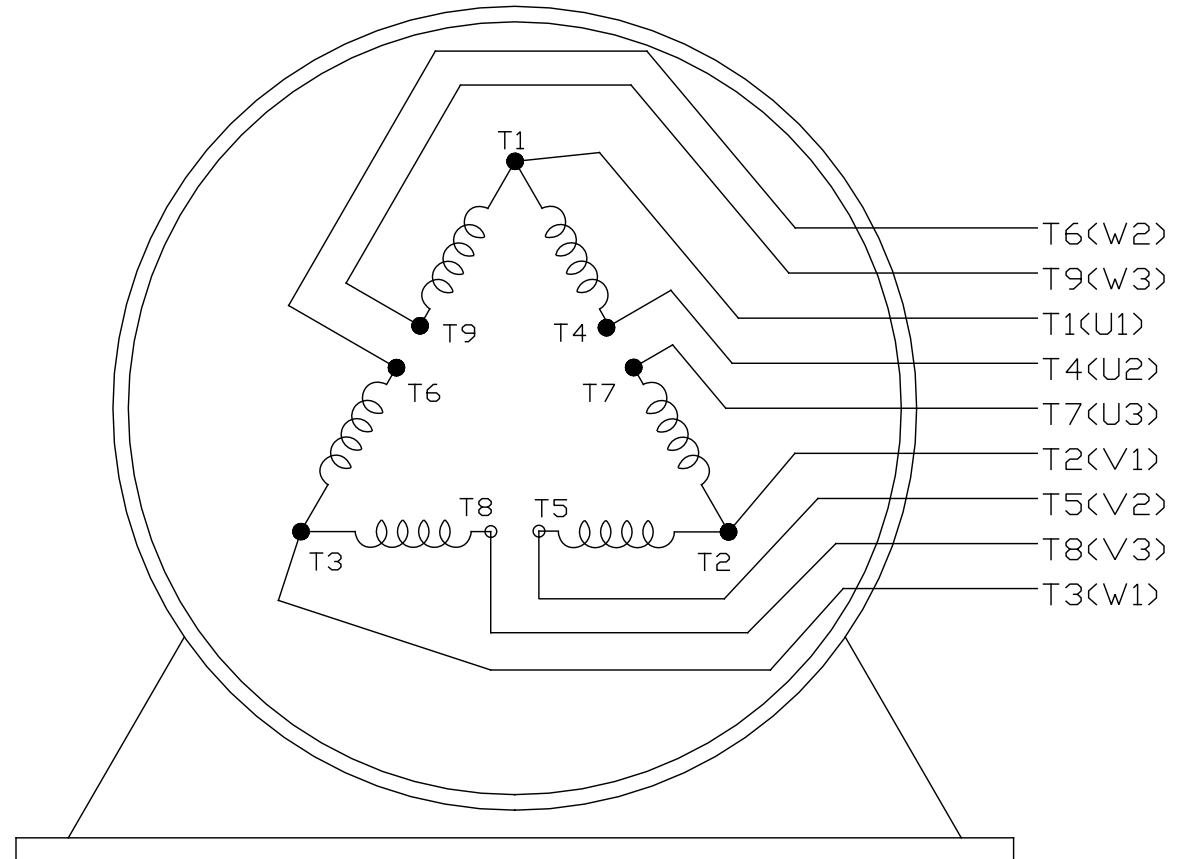
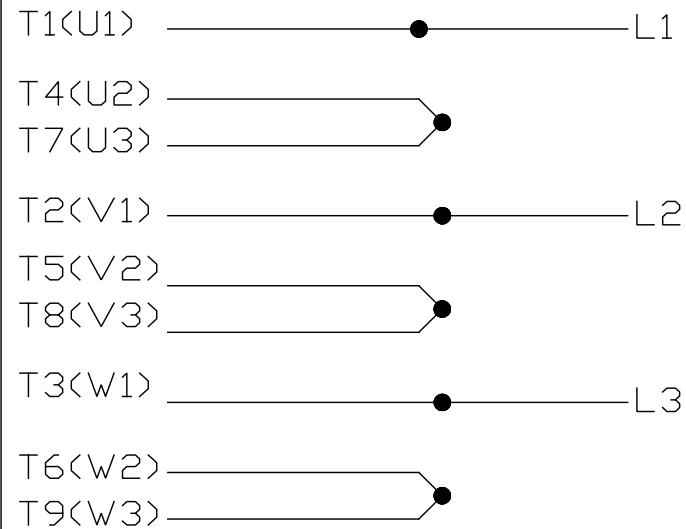


- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

(REPLACES B-SS507344)

					<table><tr><td>DRAWING REVISION F</td><td>REVISION BY AJW</td><td>DATE 07-21-2015</td></tr><tr><td>ECO ECO-0081851</td><td>APPROVED BY JHA</td><td>DATE 07-21-2015</td></tr><tr><td colspan="3">ECO DESCRIPTION UPDATED TO CURRENT STANDARDS COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</td></tr></table>			DRAWING REVISION F	REVISION BY AJW	DATE 07-21-2015	ECO ECO-0081851	APPROVED BY JHA	DATE 07-21-2015	ECO DESCRIPTION UPDATED TO CURRENT STANDARDS COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			<table><tr><td colspan="3">TOLERANCES UNLESS OTHERWISE SPECIFIED:</td></tr><tr><td>DEC.</td><td>INCH</td><td>mm</td></tr><tr><td>.X</td><td>±0.1</td><td>[±2.5]</td></tr><tr><td>.XX</td><td>±0.03</td><td>[±0.76]</td></tr><tr><td>.XXX</td><td>±0.005</td><td>[±0.127]</td></tr><tr><td>.XXXX</td><td>±0.0005</td><td>[±0.0127]</td></tr><tr><td colspan="3">REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]</td></tr></table>			TOLERANCES UNLESS OTHERWISE SPECIFIED:			DEC.	INCH	mm	.X	±0.1	[±2.5]	.XX	±0.03	[±0.76]	.XXX	±0.005	[±0.127]	.XXXX	±0.0005	[±0.0127]	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]			<table><tr><td colspan="2">DRAWN BY TJB</td></tr><tr><td>DATE 08-10-2001</td><td rowspan="3"> Regal Beloit America, Inc.</td></tr><tr><td>APPROVED BY GK</td></tr><tr><td>DATE 08-13-2001</td></tr><tr><td>REFERENCE</td><td colspan="2">MATERIAL</td><td colspan="2">PROCESS/FINISH</td></tr><tr><td>THIRD ANGLE PROJECTION </td><td>SIZE B</td><td colspan="2">DRAWING NUMBER SS518657</td><td>SHEET 1 OF 1</td></tr></table>			DRAWN BY TJB		DATE 08-10-2001	 Regal Beloit America, Inc.	APPROVED BY GK	DATE 08-13-2001	REFERENCE	MATERIAL		PROCESS/FINISH		THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS518657		SHEET 1 OF 1
DRAWING REVISION F	REVISION BY AJW	DATE 07-21-2015																																																									
ECO ECO-0081851	APPROVED BY JHA	DATE 07-21-2015																																																									
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.																																																											
TOLERANCES UNLESS OTHERWISE SPECIFIED:																																																											
DEC.	INCH	mm																																																									
.X	±0.1	[±2.5]																																																									
.XX	±0.03	[±0.76]																																																									
.XXX	±0.005	[±0.127]																																																									
.XXXX	±0.0005	[±0.0127]																																																									
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]																																																											
DRAWN BY TJB																																																											
DATE 08-10-2001	 Regal Beloit America, Inc.																																																										
APPROVED BY GK																																																											
DATE 08-13-2001																																																											
REFERENCE	MATERIAL		PROCESS/FINISH																																																								
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS518657		SHEET 1 OF 1																																																							
DASH	FRAME	C	AG	BV																																																							
1450	360HPV	37.61 [955.29]	33.11 [840.99]	13.88 [352.55]																																																							

EE7308K

LOW VOLTAGEHIGH VOLTAGE

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"		CHK	ML	06-05-1997
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES	TITLE CONNECTION DIAGRAM DELTA CON. - 3Ø - 9 LEADS	APPD	GK	06-15-1997
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	± .1				
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02				
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005				
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005				
						MAT'L.			
						FINISH			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT						RFP	CAD FILE EE7308K		SIZE
						DIST			A
								DRAWING NO.	PAGE OF
								EE7308K	REV.
									E



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
ORDER #: _____ REFERENCE MODEL #: 365TTFS16013
CONN. DIAGRAM: A-EE7308K CAT #: M916B
OUTLINE: B-SS518657-1450 CUSTOMER PART #: _____
WINDING: T365262 NONE 1 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
75	56	3600	3555	365HPV	TEFC	TFS	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	168/84	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	94.5	3/4 LD EFF	94.5	1/2 LD EFF	94.5	GTD EFF	94.1	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	88.5	3/4 LD PF	86.5	1/2 LD PF	81.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
111 LB-FT	542	180 LB-FT 162%	320 LB-FT 288%	80	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	8.2 LB-FT²	50 LB-FT²	15 SEC.	2	925 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6312						

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
0.055	0.041	0.319	0.28	11.378	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

PREPARED BY: FAREEDA DUDEKULA DATE: 9/11/2018	BRAKE: NONE NONE NONE	NONE
	FT-LB: NA	
	VOLTAGE: NONE	HZ:
	UL: V-INS, CONST UL REC	

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/3/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTFS16013

Submittal

Data @ 460 V

Motor Load Data

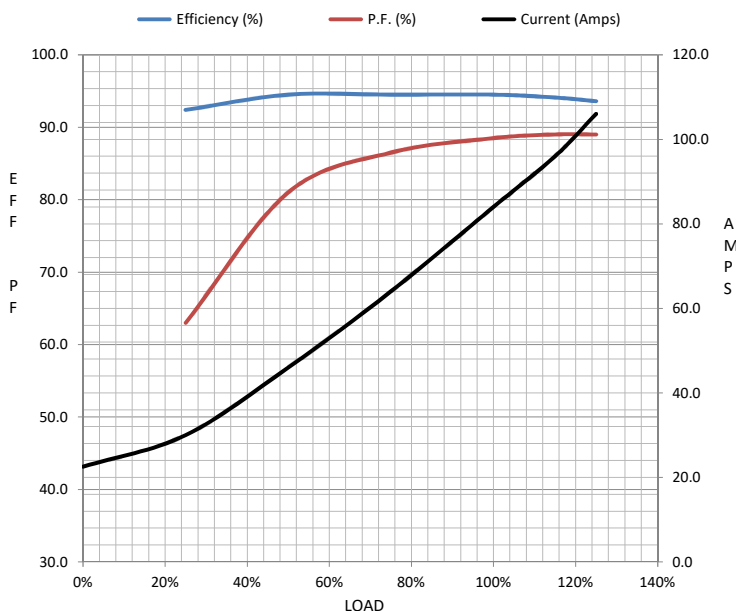
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	22.5	30.0	46.0	64.0	84.0	96.0	106	542	
Torque (ft-lb)	0.00	27.5	55.0	83.0	111	128	140	180	
RPM	3600	3590	3580	3565	3555	3,545	3540	0	
Efficiency (%)		92.4	94.5	94.5	94.5	94.1	93.6		
P.F. (%)	6.0	63.0	81.0	86.5	88.5	89.0	89.0	31.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3555	3600
Current (Amps)	542	488	335	84.0	22.5
Torque (ft-lb)	180	162	320	111	0.00

Information Block

HP	75.0			
Sync. RPM	3600			
Frame	365			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	8.2	Lb-Ft²		
Ref Wdg	T365262 NONE			
Sound Pressure @ 1M	75	dBA		
VFD Rating	NONE			
Outline Dwg	B-SS518657-1450			
Conn. Diag	A-EE7308K			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0550	0.0410	0.3190	0.2800	11.3780



Speed -Torque Curve

