

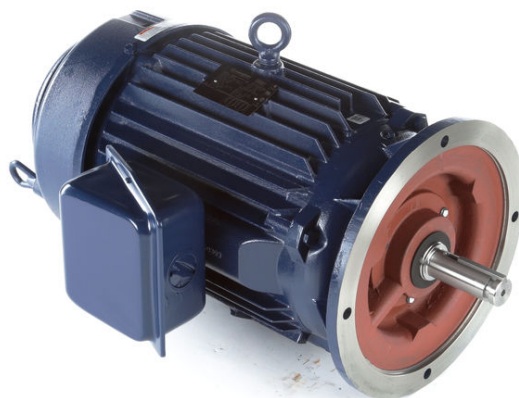
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTFS16105

Catalog No: M907B

40 HP Vertical Solid Shaft P-Base Motor, 3 phase, 900 RPM, 230/460 V, 365HPV Frame, TEFC
Vertical Pump Motors



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RegalRexnord

Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	106.0/53.0 A	Speed	875 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	77
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		

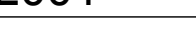
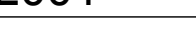
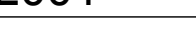
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	.198 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
Connection Drawing	A-EE7308K	Outline Drawing	B-SS518657-1450



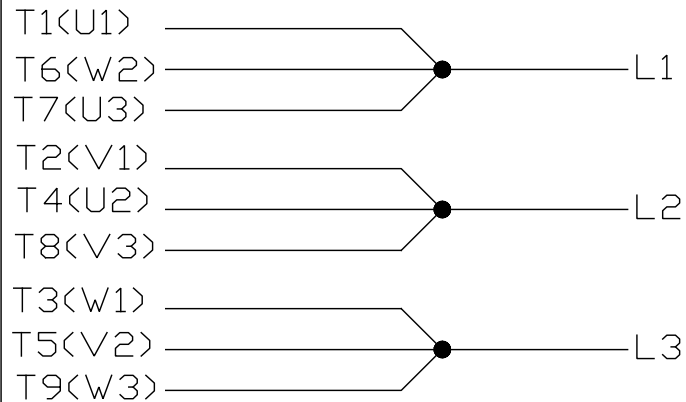
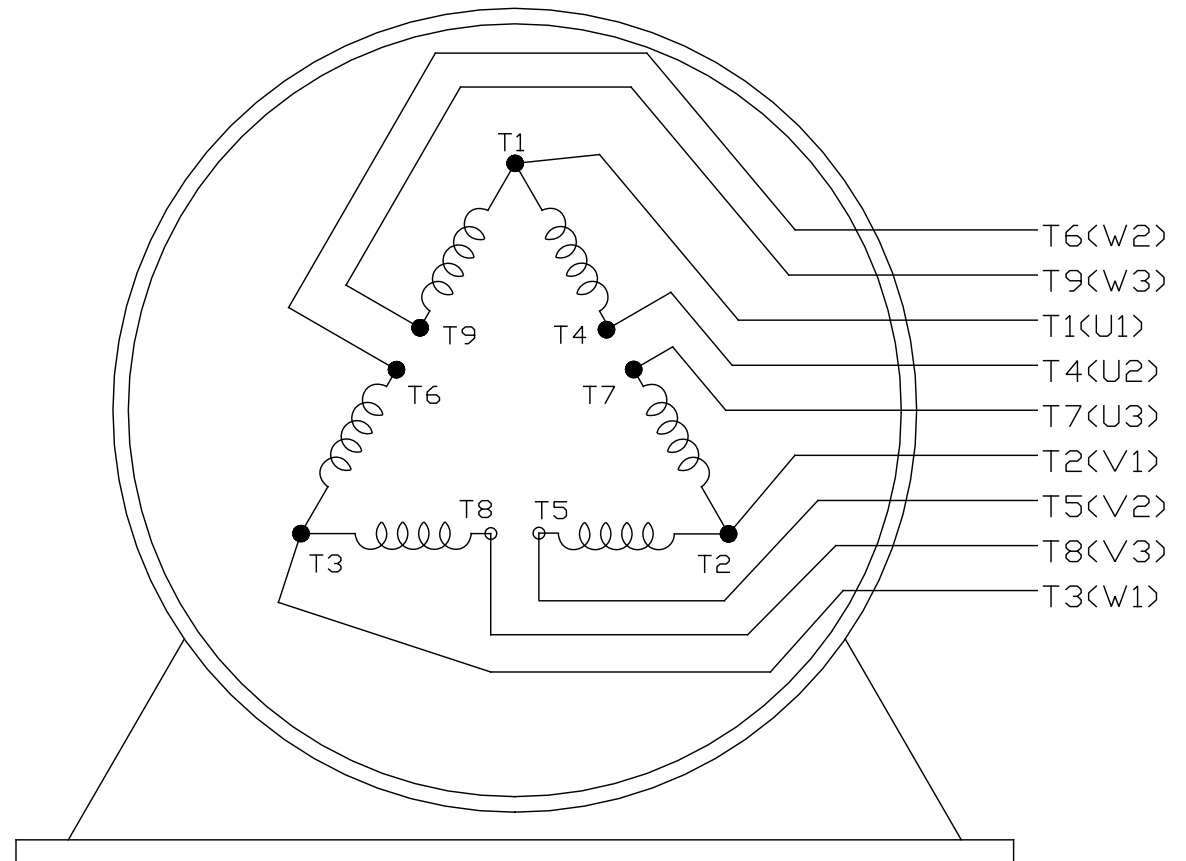
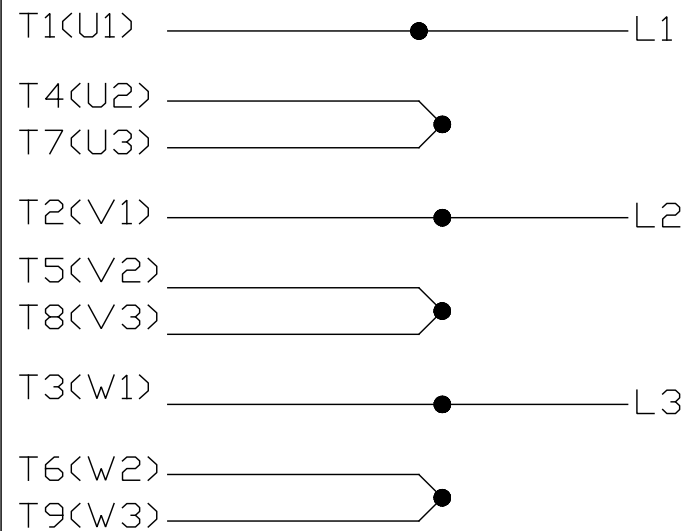
- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

(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</td></tr><tr><td colspan="3">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="4">TOLERANCES UNLESS OTHERWISE SPECIFIED:</td></tr><tr><td>DEC.</td><td>INCH</td><td>mm</td><td>ANGLE</td></tr><tr><td>.X</td><td>±0.1</td><td>[±2.5]</td><td>±7° 30"</td></tr><tr><td>.XX</td><td>±0.03</td><td>[±0.76]</td><td></td></tr><tr><td>.XXX</td><td>±0.005</td><td>[±0.127]</td><td></td></tr><tr><td>.XXXX</td><td>±0.0005</td><td>[±0.0127]</td><td></td></tr><tr><td colspan="4">REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.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	ANGLE	.X	±0.1	[±2.5]	±7° 30"	.XX	±0.03	[±0.76]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]		REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.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">DESCRIPTION OUTLINE 360HPV-TEFC-VERT. 'P' BASE</td></tr><tr><td colspan="2">THIRD ANGLE PROJECTION </td><td>MATERIAL</td><td>PROCESS/FINISH</td></tr><tr><td>SIZE B</td><td>DRAWING NUMBER SS518657</td><td colspan="2">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	DESCRIPTION OUTLINE 360HPV-TEFC-VERT. 'P' BASE		THIRD ANGLE PROJECTION 		MATERIAL	PROCESS/FINISH	SIZE B	DRAWING NUMBER SS518657	SHEET 1 OF 1	
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DASH	FRAME	C	AG	BV																																																												
1450	360HPV	37.61 [955.29]	33.11 [840.99]	13.88 [352.55]																																																												

LOW VOLTAGE

EE7308K

HIGH 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		SCALE		
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02		REF		
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005		FMF		
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005		PREV		
						FINISH			
			RFP			CAD FILE EE7308K	SIZE	DRAWING NO.	PAGE OF
			DIST				A	EE7308K	REV.
									E

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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 #: 365TTFS16105
CONN. DIAGRAM: A-EE7308K CAT #: M907A
OUTLINE: B-SS518657-1450 CUSTOMER PART #: _____
WINDING: T365847 NONE 1 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
40	30	900	875	365HPV	TEFC	TFS	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	106/53	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	91.7	3/4 LD EFF	92.4	1/2 LD EFF	91.7	GTD EFF	ELECT. TYPE
F.L. PF	77.0	3/4 LD PF	71.0	1/2 LD PF	59.0	91.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
240 LB-FT	290	375 LB-FT 156%	625 LB-FT 260%	75

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA	17.2 LB-FT²	0 LB-FT²	20 SEC.	0	1025 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
0.138	0.152	0.631	0.659	10.139	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 FT-LB: NA VOLTAGE: NONE HZ: UL: V-INS, CONST UL REC

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 11/30/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTFS16105

Submittal

Data @ 460 V

Motor Load Data

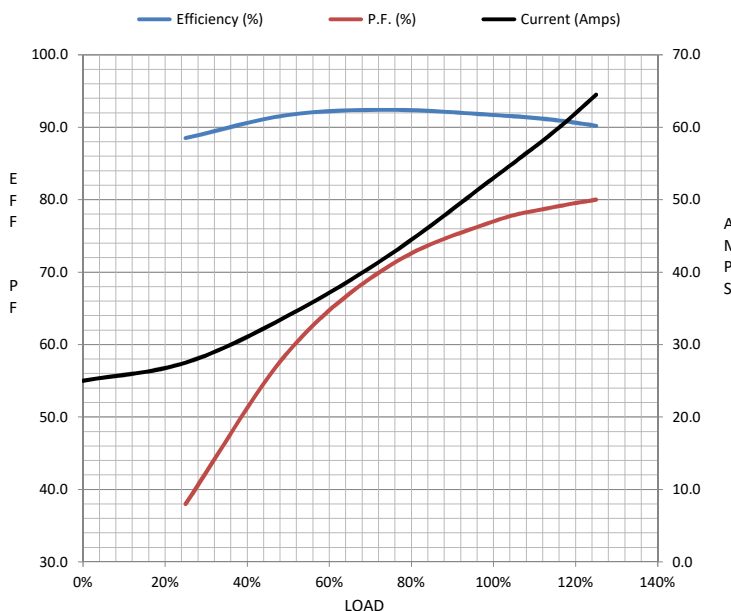
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.0	27.5	34.0	42.5	53.0	59.5	64.5	290	
Torque (ft-lb)	0.00	58.8	118	179	240	278	303	375	
RPM	900	895	888	882	875	870	865	0	
Efficiency (%)		88.5	91.7	92.4	91.7	91.0	90.2		
P.F. (%)	4.0	38.0	59.0	71.0	77.0	79.0	80.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	500	750	875	900
Current (Amps)	290	250	200	53.0	25.0
Torque (ft-lb)	375	300	625	240	0.00

Information Block

HP	40.0			
Sync. RPM	900			
Frame	365			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460	V		
Frequency	60	Hz		
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	17.2	Lb-Ft²		
Ref Wdg	T365847 NONE			
Sound Pressure @ 1M	62	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
0.1380	0.1520	0.6310	0.6590	10.1390



Speed -Torque Curve

