

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTDS16101

Catalog No: M732

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



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RegalRexnord

Nameplate Specifications

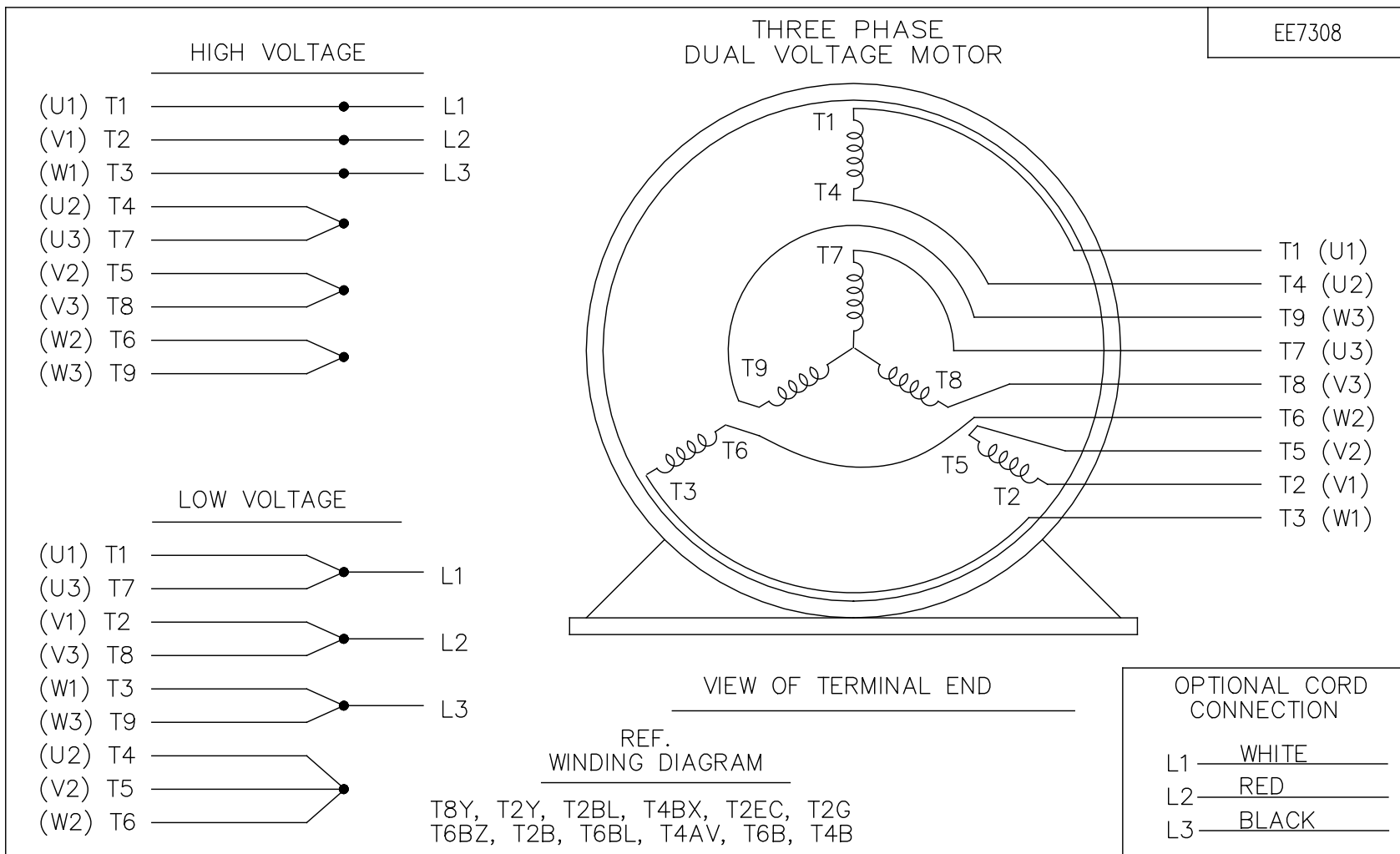
Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	105.0/52.5 A	Speed	875 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	365HPV	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	7312 2
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	.215 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Duplex Tandem Angular Contact	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	33.65 in
Frame Length	19.62 in	Shaft Diameter	1.625 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7308	Outline Drawing	B-SS554645-1962



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NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWING NO.	PAGE	OF	REV.
					DEC.	INCHES					
5	CHG TO REGAL LOGO	SL 09/10/2015	AB		DEC.	INCHES		 Regal Beloit America, Inc.			
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1						
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02						
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005						
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005						
					±7'30"						
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								CAD FILE ee7308	SIZE A	EE7308	5

CERTIFICATION DATA SHEET

Model#: 365TTDS16101 AN
 CONN. DIAGRAM: A-EE7308
 OUTLINE: B-SS554645-1962

WINDING#: T365849 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40	30	900	875	365HPV	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	105/52.5	ACROSS THE LINE	CONTINUOUS	F1	1.15	40	3300

FULL LOAD EFF: 91.7	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78	3/4 LOAD PF: 72	1/2 LOAD PF: 61	91	SQ CAGE IND RUN	48 / 24

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
240 LB-FT	540 / 270	325 LB-FT 135	570 LB-FT 240	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	15 LB-FT^2	- LB-FT^2	20 SEC.	-	850 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	DUPLEX TANDEM ANGULAR CONTACT	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	7312 2						

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
 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

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** Subject to change without notice.

Data Sheet

Date: 6/20/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTDS16101

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	24.0	26.5	33.0	42.0	52.5	60.0	65.0	270	
Torque (ft-lb)	0.00	59.0	118	179	240	278	302	325	
RPM	900	895	888	882	875	872	868	0	
Efficiency (%)		88.5	91.0	91.7	91.7	91.0	90.2		
P.F. (%)	4.5	40.0	61.0	72.0	78.0	79.0	80.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block																												
Speed (RPM)	0	400	775	875	900	HP	40.0																											
Current (Amps)	270	250	180	52.5	24.0	Sync. RPM	900																											
Torque (ft-lb)	325	275	570	240	0.00	Frame	365																											
Efficiency (%)P.F. (%)Current (Amps) <table><caption>Graph Data Points (Estimated)</caption><thead><tr><th>Load (%)</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>25</td><td>88</td><td>10</td><td>24</td></tr><tr><td>50</td><td>91</td><td>35</td><td>35</td></tr><tr><td>75</td><td>92</td><td>48</td><td>48</td></tr><tr><td>100</td><td>92</td><td>52</td><td>52</td></tr><tr><td>125</td><td>90</td><td>55</td><td>65</td></tr></tbody></table>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	25	88	10	24	50	91	35	35	75	92	48	48	100	92	52	52	125	90	55	65	Enclosure	DP			
						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)																									
						25	88	10	24																									
						50	91	35	35																									
						75	92	48	48																									
						100	92	52	52																									
						125	90	55	65																									
						Construction	TDS																											
						Voltage	230/460		V																									
						Frequency	60		Hz																									
						Design	B																											
						LR Code letter	F																											
						Service Factor	1.15																											
						Temp Rise @ FL	60		° C																									
						Duty	CONT																											
						Ambient	40		° C																									
						Elevation	1,000 feet																											
						Rotor/Shaft wk²	15.0		Lb-Ft²																									
						Ref Wdg	T365849 NONE																											
						Sound Pressure @ 1M	66 dBA																											
						VFD Rating	NONE																											
						Outline Dwg	B-SS554645-1962																											
						Conn. Diag	A-EE7308																											
Additional Specifications:																																		
0																																		
0																																		
EQUIV CKT (OHMS / PHASE)																																		
R1	R2	X1	X2	Xm																														
0.1210	0.1420	0.6950	0.6910	10.8620																														

Speed -Torque Curve

