

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 324TTDR16091
Catalog No: M823B
25,1200,DP,324HPV,3/60/230/460
Vertical Pump



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REGAL

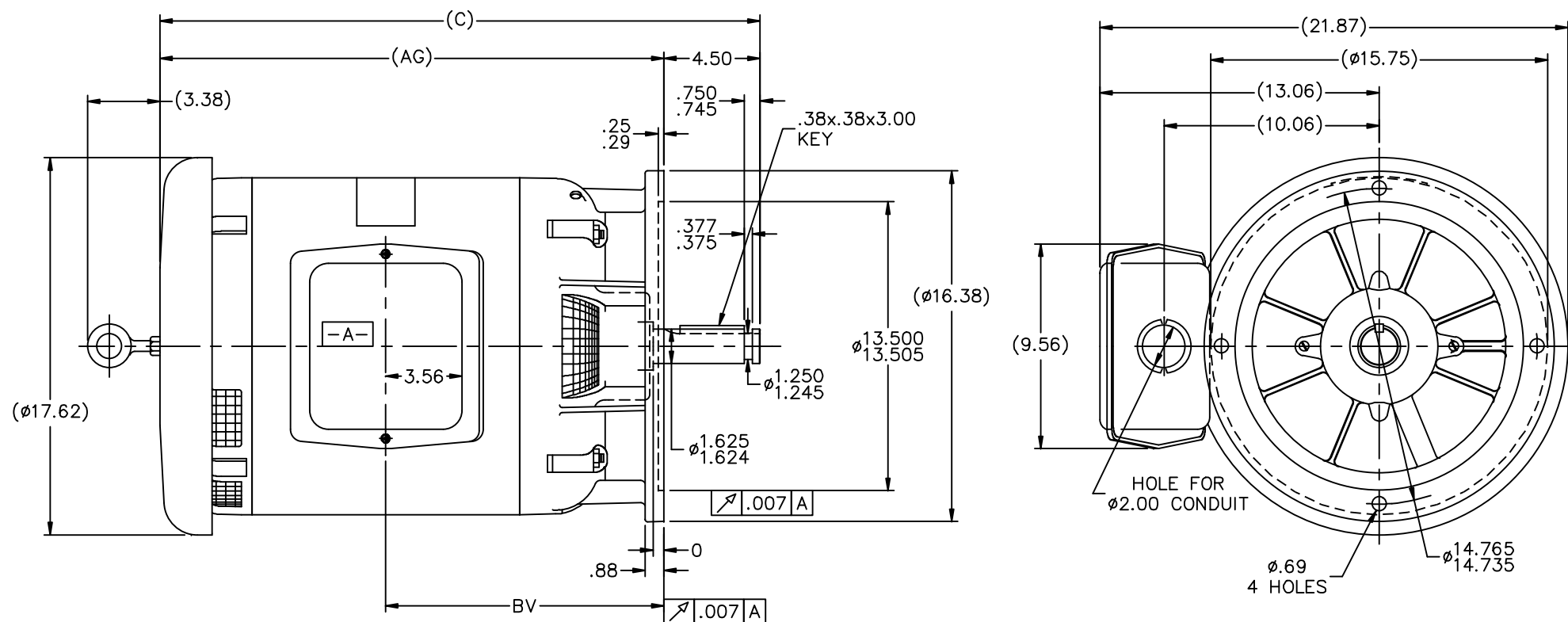


Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	65/32.5 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	G	Frame	324HPV
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6311
Opp Drive End Bearing Size	6311	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	6	Rotation	REV
Mounting	ROUND	Motor Orientation	SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	HP
Overall Length	30.06 in	Frame Length	14.5 in
Shaft Diameter	1.63 in	Shaft Extension	4.5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS28314-1450	Connection Diagram	A-EE7308

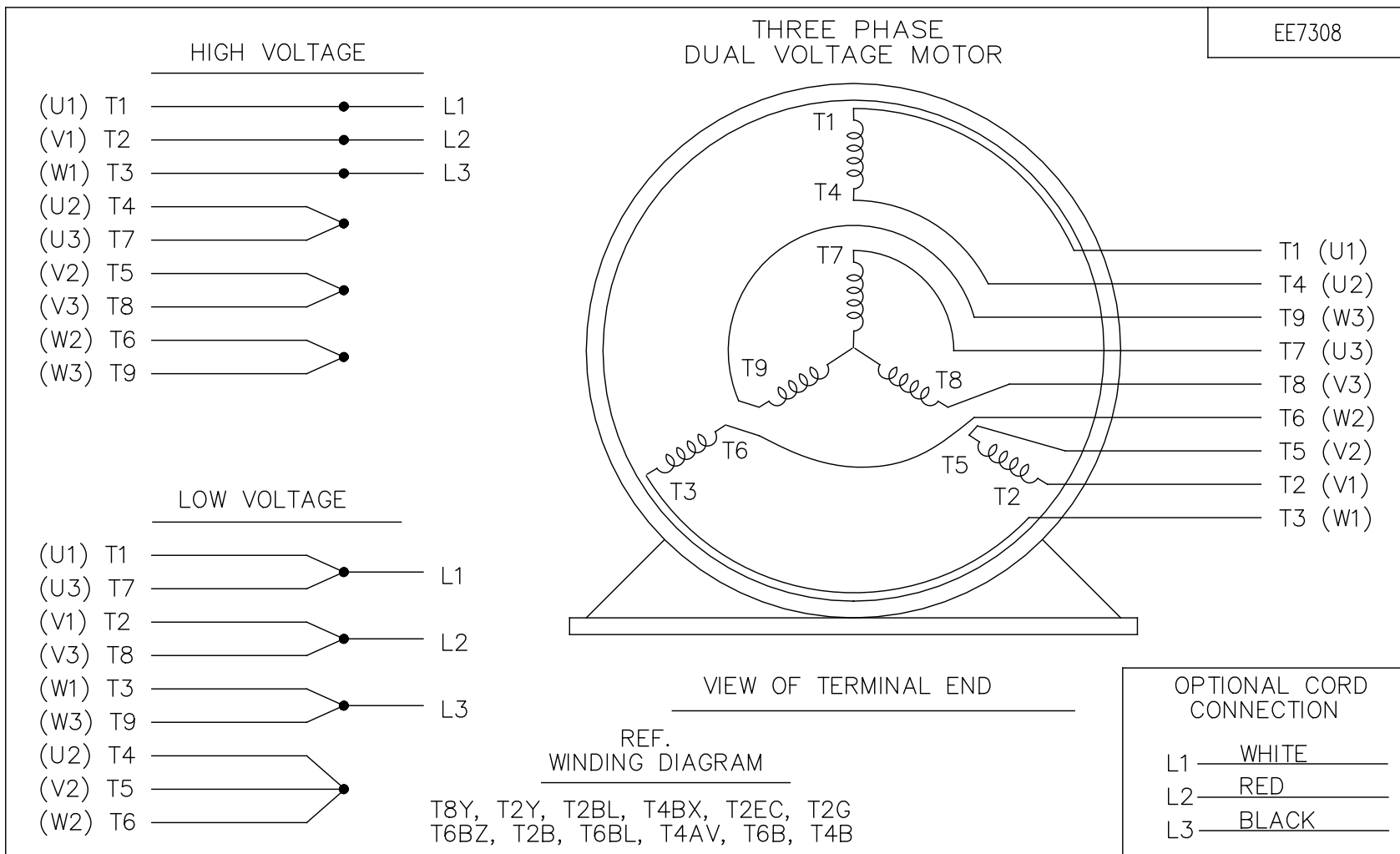


NOTES:

1. C'BOX CAN BE ROTATED IN 90° STEP.
2. NAMEPLATE TO BE READ FROM SHAFT END OF MOTOR
3. MAX. SHAFT RUNOUT .002

DASH	FRAME	C	AG	BV
1250	320	28.06	23.56	13.00
1400	320	29.56	25.06	13.75
1450	320	30.06	25.56	14.00
1500	320	30.56	26.06	14.12

16	REVISED NOTE # 2 (ECN 23047)	REP 01-16-2012	BW	TOLERANCES UNLESS SPECIFIED					
15	ECN 16735	NJS 6/21/2010	BW	DEC.	INCHES				
14	REVISED NAMEPLATE LOCATION 09-3901	MSG 9/22/2009	DR	.X	±.1				
13	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.XX	±.03				
12	REVISED TO NEC CONDUIT BOX CN 2842B	BJW 02-04-2000		.XXX	±.005				
11	FRAME TYPES NOW 320 CN 27400-327	DRS 06-23-1999		.XXXX	±.0005				
NO.	REVISION	BY & DATE	CHK	ANG	±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						RFP	CAD FILE ss28314	SIZE B	DRAWING NO. SS28314
						DIST LB			PAGE OF 16



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990	
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990	
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1	TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR MAT'L. FINISH	APPD SAS 04/24/2003	
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE 1=1	
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV	
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			DIST WP					

CERTIFICATION DATA SHEET

Model#: 324TTDR16091 AN **WINDING#:** 324680 NONE 2
CONN. DIAGRAM: A-EE7308 **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: B-SS28314-1450

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	1200	1182&982	324HPV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	65/32.5&64/32	ACROSS THE LINE	CONTINUOUS	F3	1.15/1.15	40	3300

FULL LOAD EFF: 93&92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78&78	3/4 LOAD PF: 73	1/2 LOAD PF: 62	92.4	SQ CAGE IND RUN	29 / 14.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
112 LB-FT	364 / 182	165 LB-FT 147	270 LB-FT 241	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	8.5 LB-FT^2	425 LB-FT^2	20 SEC.	2	540 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	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
BALL	BALL						
6311	6311						

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

If Inverter equals NONE, contact factory for further information

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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

DATE: 06/21/2017 04:29:58 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

