

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDW4025

Catalog No: U204

Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
215JPV Frame, DP



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RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3510 & 2930 rpm	Service Factor	1.15 & 1.15
Frame	215JPV	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	90.2 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	34/17 & 28/14 A	Power Factor	91
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
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	2	Rotation	Reversible
Resistance Main	.825 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	25.56 in
Frame Length	12.40 in	Shaft Diameter	1.250 in
Shaft Extension	8.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	B-SS86615-1240



DASH	FRAME	C	AG	BV	MOUNTING
965	213JP	22.81	14.69	9.93	
1115	213/15JP	24.31	16.19	11.43	
1240	213/15JP	25.56	17.44	12.68	



				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		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	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH	PREV				
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 ee7308		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST WP				A	EE7308			5

CERTIFICATION DATA SHEET

Model#: 215TTDW4025 AB
 CONN. DIAGRAM: A-EE7308
 OUTLINE: B-SS86615-1240

WINDING#: K2152149 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.5	3600	3510&2930	215JPV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	34/17&28/14	ACROSS THE LINE	CONTINUOU S	B3	1.15/1.15	40	3300

FULL LOAD EFF: 90.2&89.5	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 91&90	3/4 LOAD PF: 89.5	1/2 LOAD PF: 84.5	88.5	SQ CAGE IND RUN	8.2 / 4.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	232 / 116	34.5 LB-FT 153	65.5 LB-FT 291	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.6 LB-FT^2	8 LB-FT^2	15 SEC.	2	130 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6309	6206	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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

* N O T E S *	INVERTER TORQUE: NONE		
	INV. HP SPEED RANGE: NONE		
	ENCODER: NONE		
	NONE NONE NONE NONE PPR		
	BRAKE: NONE NONE		
	NONE P/N NONE		
	NONE NONE		
	- FT-LB	NONE V	NONE Hz

DATE: 06/22/2017 07:30:20 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/19/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



215TTDW4025

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.1	6.0	9.0	13.0	17.0	19.5	21.5	116	
Torque (ft-lb)	0.00	5.5	11.0	16.7	22.5	26.0	28.5	34.5	
RPM	3600	3580	3560	3535	3510	3,495	3485	0	
Efficiency (%)		88.5	91.0	91.7	90.2	90.2	89.5		
P.F. (%)	9.0	69.0	84.5	89.5	91.0	91.5	91.5	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle					
Speed (RPM)	0	1200	3025	3510	3600					
Current (Amps)	116	100	73.5	17.0	4.1					
Torque (ft-lb)	34.5	31.0	65.5	22.5	0.00					
<div><div>— Efficiency (%)</div><div>— P.F. (%)</div><div>— Current (Amps)</div><div>EFFICIENCY (%)</div><div>P.F. (%)</div><div>CURRENT (AMPS)</div><div>LOAD</div></div>						Information Block				
						HP		15.0		
						Sync. RPM		3600		
						Frame		215		
						Enclosure		DP		
						Construction		TDW		
						Voltage		30/460#190/381V		
						Frequency		60 Hz		
						Design		A		
						LR Code letter		G		
						Service Factor		1.15		
						Temp Rise @ FL		35 °C		
						Duty		CONT		
						Ambient		40 °C		
						Elevation		1,000 feet		
						Rotor/Shaft wk ²		0.60 Lb-Ft ²		
						Ref Wdg		K2152149 NONE		
Sound Pressure @ 1M		75 dBA								
VFD Rating		NONE								
Outline Dwg		B-SS86615-1240								
Conn. Diag		A-EE7308								
Additional Specifications:										
0										
0										
EQUIV CKT (OHMS / PHASE)										
R1		R2		X1		X2		Xm		
0.4860		0.3690		1.4910		1.0110		58.5900		

Speed -Torque Curve

