

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDWD16350

Catalog No: M810B

10 HP Vertical Solid Shaft P-Base Motor, 3 phase, 1800 RPM, 230/460 V, 215HPV Frame, ODP
Vertical Pump Motors



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RegalRexnord

Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	26.2/13.1 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	77.8
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	H
Frame	215HPV	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
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	4	Rotation	Reversible
Resistance Main	1.022 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	HP	Overall Length	20.30 in
Frame Length	11.15 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	EE7308	Outline Drawing	SS86651-1115



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		RFP	CAD FILE	SIZE	DRAWING NO.	PAGE	OF	REV.
					DEC.	INCHES							
5	CHG TO REGAL LOGO	SL 09/10/2015	AB		DEC.	INCHES							
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"							
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CERTIFICATION DATA SHEET

Model#: 215TTDWD16350 AA
CONN. DIAGRAM: EE7308
OUTLINE: SS86651-1115

WINDING#: K2154505 NONE 2
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1765	215HPV	DP	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	26.2/13.1	ACROSS THE LINE	CONTINUOUS	B4	1.15	40	3300

FULL LOAD EFF: 91.7	3/4 LOAD EFF: 92.1	1/2 LOAD EFF: 91.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 77.8	3/4 LOAD PF: 72	1/2 LOAD PF: 60.2	90.2	SQ CAGE IND RUN	13.2 / 6.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.7 LB-FT	161 / 80.5	62.3 LB-FT 210	83.3 LB-FT 280	25

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	1 LB-FT^2	74 LB-FT^2	20 SEC.	2	150 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	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6309	6206	POLYREX EM	HP	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			
	NONE FT-LB NONE V NONE Hz			

DATE: 06/22/2017 07:37:31 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 29-06-2017

215TTDWD16350

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 460 V

Motor Load Data

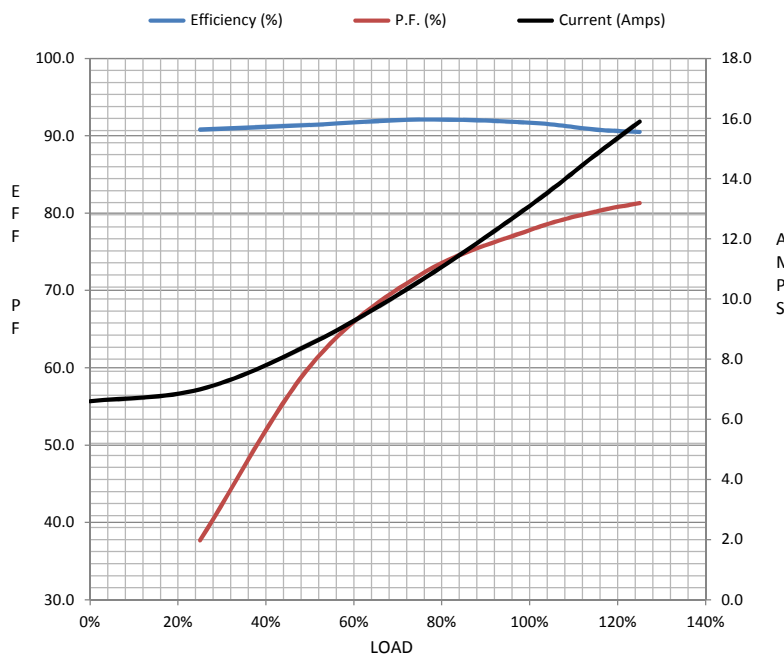
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.6	7.0	8.5	10.6	13.1	14.8	15.9	80.5	
Torque (ft-lb)	0.00	7.5	14.7	22.2	29.7	34.4	37.4	62.3	
RPM	1800	1790	1784	1775	1765	1,758	1755	0	
Efficiency (%)		90.8	91.4	92.1	91.7	90.8	90.5		
P.F. (%)	4.7	37.7	60.2	72.0	77.8	80.2	81.3	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1575	1765	1800
Current (Amps)	80.5	79.0	49.0	13.1	6.6
Torque (ft-lb)	62.3	58.0	83.3	29.7	0.00

Information Block

HP	10.0			
Sync. RPM	1800			
Frame	215			
Enclosure	DP			
Construction	TDW			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	25 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	1.00 Lb-Ft²			
Ref Wdg	K2154505 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	NONE			
Outline Dwg	SS86651-1115			
Conn. Diag	EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.6240	0.4420	2.0540	2.3490	39.0020



Speed -Torque Curve

