

PRODUCT INFORMATION PACKET

Model No: 213TTDWD16345

Catalog No: U185A

7.50 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 200 V, 213JPV Frame, ODP
Close-Coupled Pump Motors



Nameplate Specifications

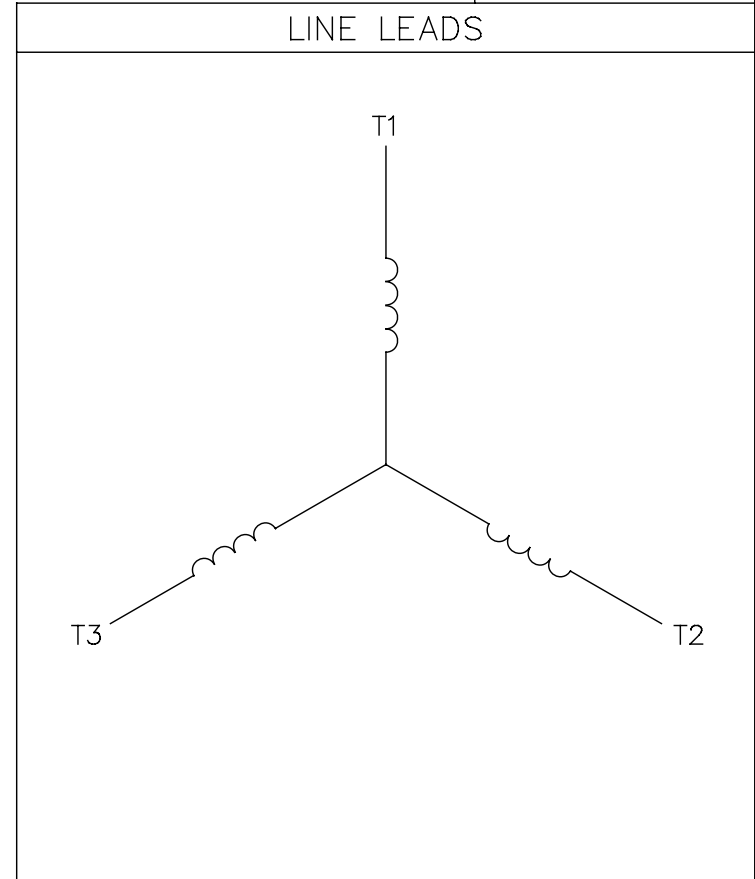
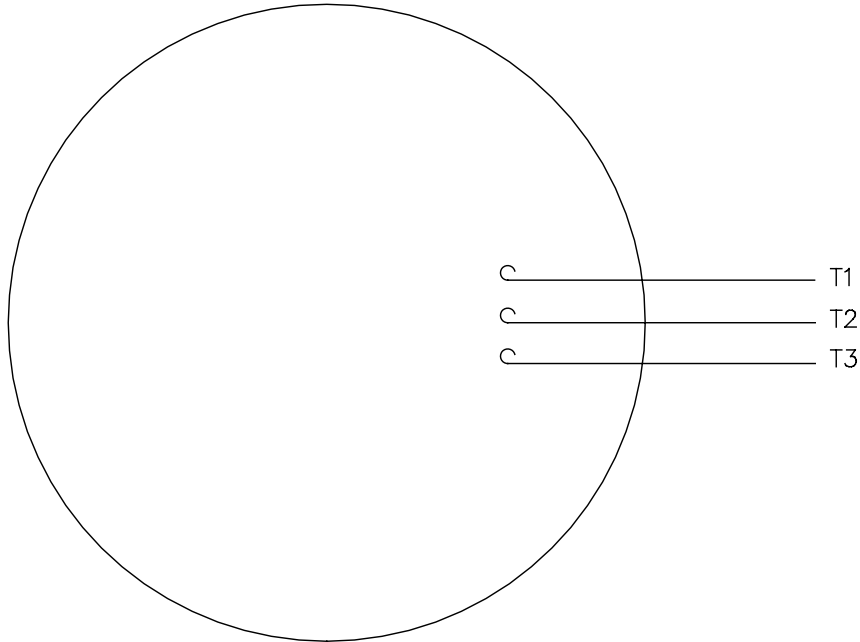
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	200 V
Current	23.0 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	77.1
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	213JPV	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive 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	1.56 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	24.31 in
Frame Length	11.15 in	Shaft Diameter	1.250 in
Shaft Extension	8.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86615-1115	Connection Drawing	005102.01

005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		Regal Beloit America, Inc.			DRAWN JRW 9/11/75		
				DEC.	INCHES				CHK		
				.X	±.1	APPD JCW 9/11/75					
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR			SCALE 1=1		
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005				REF W-T6343-6		
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005	MAT'L. DECAL - 004169			FMF 6T17FB7		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"				FINISH		
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	5/1/02	CAD FILE 00510201		SIZE	DRAWING NO.		REV.
				DIST	BRF-NLV			A	005102-01		08



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 #: 213TTDWD16345
 CONN. DIAGRAM: 005102.01 CAT #: #VALUE!
 OUTLINE: SS86615 CUSTOMER PART #: _____
 WINDING: K2134278 NONE 6 MOUNTING: F1/F2 CAPABLE
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	1800	1765	213JPV	DP	TDW	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	200	23	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	91.0	1/2 LD EFF	89.9	GTD EFF	89.5	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	77.1	3/4 LD PF	71.3	1/2 LD PF	58.1				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
22.3 LB-FT	140	45.3 LB-FT 203%	66.1 LB-FT 296%	35

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
66 dBA	75 dBA	0.85 LB-FT²	50 LB-FT²	20 SEC.	2	125 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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	JP	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6206						

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
0.144	0.106	0.493	0.699	10.861	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	BRAKE: NONE
DATE: 9/10/2018	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

Data Sheet

Date: 11/29/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



213TTDWD16345

Submittal

Data @ 200 V

Motor Load Data

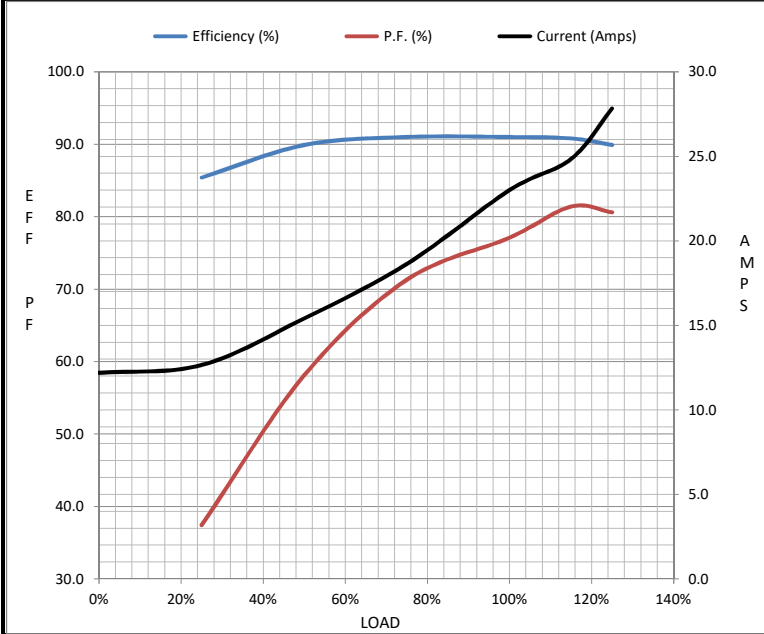
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	12.2	12.7	15.4	18.6	23.0	24.8	27.8	140
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.5	28.0	45.3
RPM	1800	1792	1784	1775	1765	1,755	1748	0
Efficiency (%)		85.4	89.9	91.0	91.0	90.8	89.9	
P.F. (%)	5.2	37.4	58.1	71.3	77.1	81.4	80.6	44.8

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	700	1575	1765	1800
Current (Amps)	140	127	85.1	23.0	12.2
Torque (ft-lb)	45.3	40.0	66.1	22.3	0.00

Information Block

HP	7.5			
Sync. RPM	1800			
Frame	213			
Enclosure	DP			
Construction	TDR			
Voltage	200 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.85 Lb-Ft ²			
Ref Wdg	K2134278 NONE			
Sound Pressure @ 1M	66 dBA			
VFD Rating	NONE			
Outline Dwg	SS86615			
Conn. Diag	005102.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1440	0.1060	0.4930	0.6990	10.8610



Speed - Torque Curve

