

PRODUCT INFORMATION PACKET

Model No: 215TTDW7022

Catalog No: M327

Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
215JM Frame, DP



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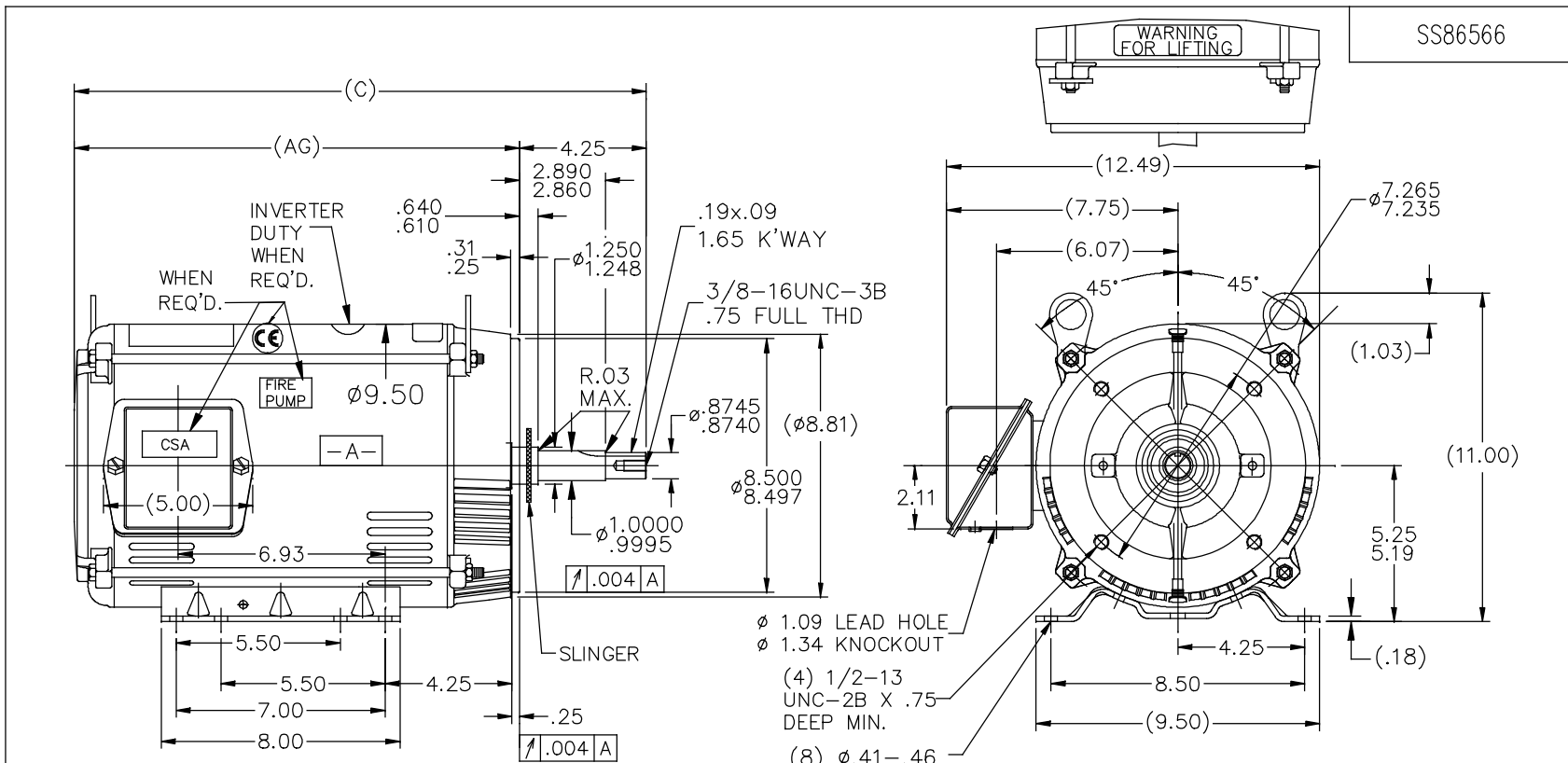
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Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	208-230/460 & 190/380 V
Speed	3480 & 2910 rpm	Service Factor	1.15 & 1.15
Frame	215JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	42-38/19 & 32/16 A	Power Factor	86
Duty	Continuous	Insulation Class	F
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	1.15 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	19.16 in
Frame Length	11.15 in	Shaft Diameter	0.880 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS86566-1115	Connection Drawing	A-EE7308



- NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. BOX CAN BE MOUNTED IN 90° STEPS.
 3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED)

DASH	FR.	C	AG	BS	MOUNTING
965	213JM	17.66	13.41	5.43	
1115	213/15JM	19.16	14.91	6.93	
1240	213/15JM	20.41	16.16	8.18	F1 ONLY

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	PREV
8	ADDED INVERTER LOGO	MVG 01/24/2018	MVG		DEC. INCHES		DRAWN KL 12-23-1994
7	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015					CHK ML 12-23-1994
6	Ø.8745/.8740 WAS Ø.8750/.8745 ECN #21254	WGJ 08/03/2011	EMH	.X	±.1		APPD DRN 12-23-1994
5	UPDATED DRAWING	TJW 04/27/2007		.XX	±.03	TITLE OUTLINE	SCALE 1=5
4	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.XXX	±.005	210JM FR.-BB-TS-DR.PR.-C' FACE	REF
3	UPDATED C' BOX GEOMETRY CN 28425	DRS 04-16-2001		.XXXX	±.0005	MAT'L.	FMF
					±7°30"		
			RFP			CAD FILE ss86566	SIZE A
			DIST LB				DRAWING NO. SS86566
							PAGE OF 8
							REV. 8

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EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



T1 (U1)
T4 (U2)
T9 (W3)
T7 (U3)
T8 (V3)
T6 (W2)
T5 (V2)
T2 (V1)
T3 (W1)

VIEW OF TERMINAL END

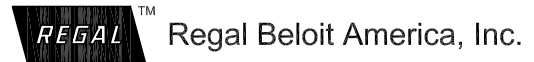
REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					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		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



CERTIFICATION DATA SHEET

Model#: 215TTDW7022 AC
CONN. DIAGRAM: A-EE7308
OUTLINE: A-SS86566-1115

WINDING#: K2152141 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	3480&2910	215JM	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	42- 38/19&32/16	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&85.5	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 84	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86&84.5	3/4 LOAD PF: 81.1	1/2 LOAD PF: 74.2	84	SQ CAGE IND RUN	14.2 / 7.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	216 / 108	33 LB-FT 147	59 LB-FT 262	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.4 LB-FT^2	18 LB-FT^2	10 SEC.	2	100 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6206						

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

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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
- FT-LB NONE V NONE Hz

DATE: 06/22/2017 07:30:52 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

215TTDW7022

Date: 12/13/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 460 V

Motor Load Data

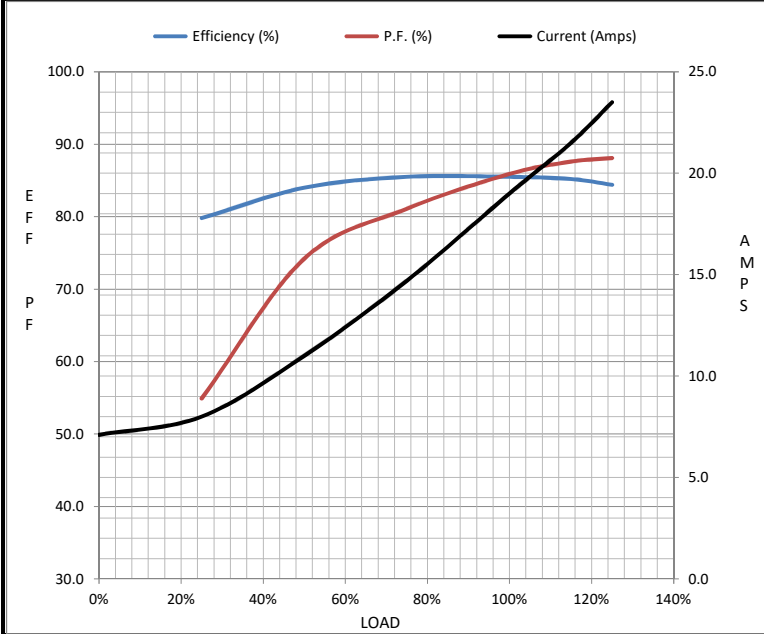
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.1	8.0	11.0	14.7	19.0	21.5	23.5	108
Torque (ft-lb)	0.00	5.5	11.0	17.0	22.5	26.0	28.5	33.0
RPM	3600	3575	3545	3515	3480	3,460	3440	0
Efficiency (%)		79.8	84.0	85.5	85.5	85.2	84.4	
P.F. (%)	10.6	54.9	74.2	81.1	85.9	87.6	88.1	49.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3000	3480	3600
Current (Amps)	108	95.0	68.0	19.0	7.1
Torque (ft-lb)	33.0	30.0	59.0	22.5	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	DP			
Construction	TDR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	50 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.40 Lb-Ft ²			
Ref Wdg	K2152141 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS86566-1115			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.6370	0.3700	1.7030	0.9360	38.3670



Speed -Torque Curve

