

PRODUCT INFORMATION PACKET

Model No: 145TTDR16332

Catalog No: GT4107

2 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 230/460 V, 145JMV Frame, ODP
JM Motors



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REGAL

Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	6.0/3.0 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Frame	145JMV	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6.4 Ohms	Mounting	Round
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	15.92 in
Frame Length	9.56 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-108673-956	Connection Drawing	A-EE7308

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EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



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			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				
					±7'30"			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 A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



Regal Beloit America, Inc.

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Data Sheet

Date: 19-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



145TTDR16332

Submittal

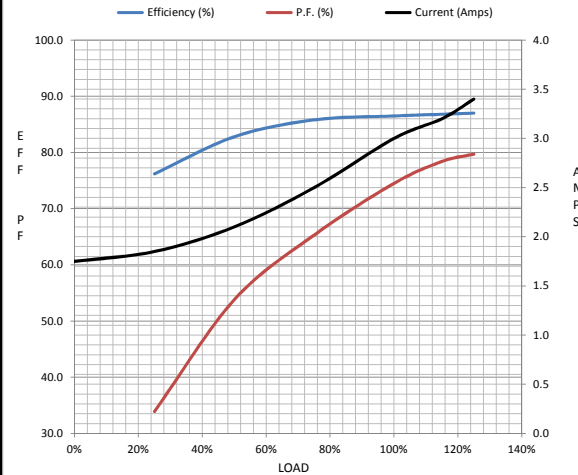
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.75	1.85	2.10	2.50	3.0	3.2	3.4	28.4
Torque (ft-lb)	0.00	1.50	2.95	4.5	6.0	7.0	7.6	24.1
RPM	1800	1789	1778	1765	1750	1,745	1740	0
Efficiency (%)		76.2	82.8	85.8	86.5	86.8	87.0	
P.F. (%)	7.9	33.9	53.8	65.3	74.5	78.4	79.7	71.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (RPM)	0	125	1220	1750	1800	HP	2.0			
Current (Amps)	28.4	25.5	17.6	3.0	1.75	Sync. RPM	1800			
Torque (ft-lb)	24.1	22.0	30.7	6.0	0.00	Frame	56			
						Enclosure	DP			
						Construction	TDR			
						Voltage	30/460#190/38V			
						Frequency	60 Hz			
						Design	A			
						LR Code letter	N			
						Service Factor	1.15			
						Temp Rise @ FL	38 ° C			
						Duty	CONT			
						Ambient	40 ° C			
						Elevation	1,000 feet			
						Rotor/Shaft wk²	0.09 Lb-Ft²			
						Ref Wdg	ZT4260 NONE			
						Sound Pressure @ 1M	56 dBA			
						VFD Rating	CONSTANT 2:1			
						Outline Dwg	A-100186-956			
						Conn. Diag	A-EE7308			
						Additional Specifications:				
						0				
						365THFS8036				
						EQUIV CKT (OHMS / PHASE)				
						R1	R2	X1	X2	Xm
						4.1180	3.2660	6.2480	5.6800	163.3000



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Speed -Torque Curve

