

PRODUCT INFORMATION PACKET

Model No: 254TTDCA6092

Catalog No: GT0517

7.50 HP Close-Coupled Pump Motor, 3 phase, 1200 RPM, 575 V, 254JMV Frame, ODP
JM Motors



Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	8.4 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	73.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	254JMV	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.62 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Overall Length	24.41 in
Shaft Diameter	1.250 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	EE7300	Outline Drawing	SS620313-254T

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**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**

- L1 _____ WHITE _____
- L2 _____ RED _____
- L3 _____ BLACK _____

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.		
		DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1

Data Sheet

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



254TTDCA6092

Submittal

Data @ 575 V

Motor Load Data

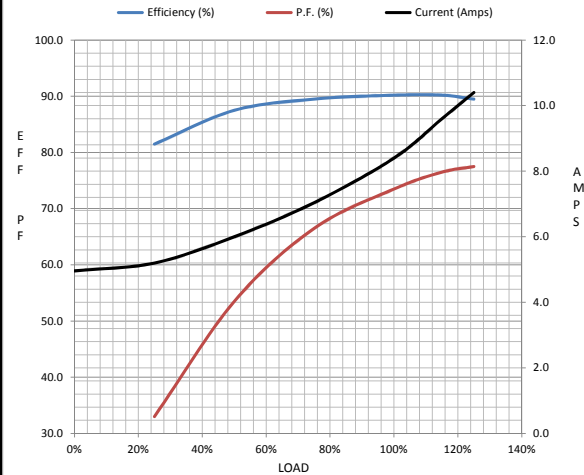
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.0	5.2	6.0	7.0	8.4	9.6	10.4	43.2
Torque (ft-lb)	0.00	8.2	16.5	24.9	33.4	38.5	42.0	51.0
RPM	1200	1195	1190	1185	1182	1,178	1175	0
Efficiency (%)		81.5	87.5	89.5	90.2	90.2	89.5	
P.F. (%)	6.0	33.0	53.5	66.5	73.5	76.5	77.5	37.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1182	1200
Current (Amps)	43.2	38.8	27.2	8.4	5.0
Torque (ft-lb)	51.0	45.0	86.0	33.4	0.00

Information Block

HP	7.5			
Sync. RPM	1200			
Frame	254			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	40 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	2.20 Lb-Ft ²			
Ref Wdg	CHT25460002 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620313			
Conn. Diag	EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.4770	0.7090	3.5440	5.4460	67.8630



Speed -Torque Curve

