

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 254TTDCA6033

Catalog No: GT0522

15 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 575 V, 254JM Frame, ODP
JM Motors



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REGAL

Nameplate Specifications

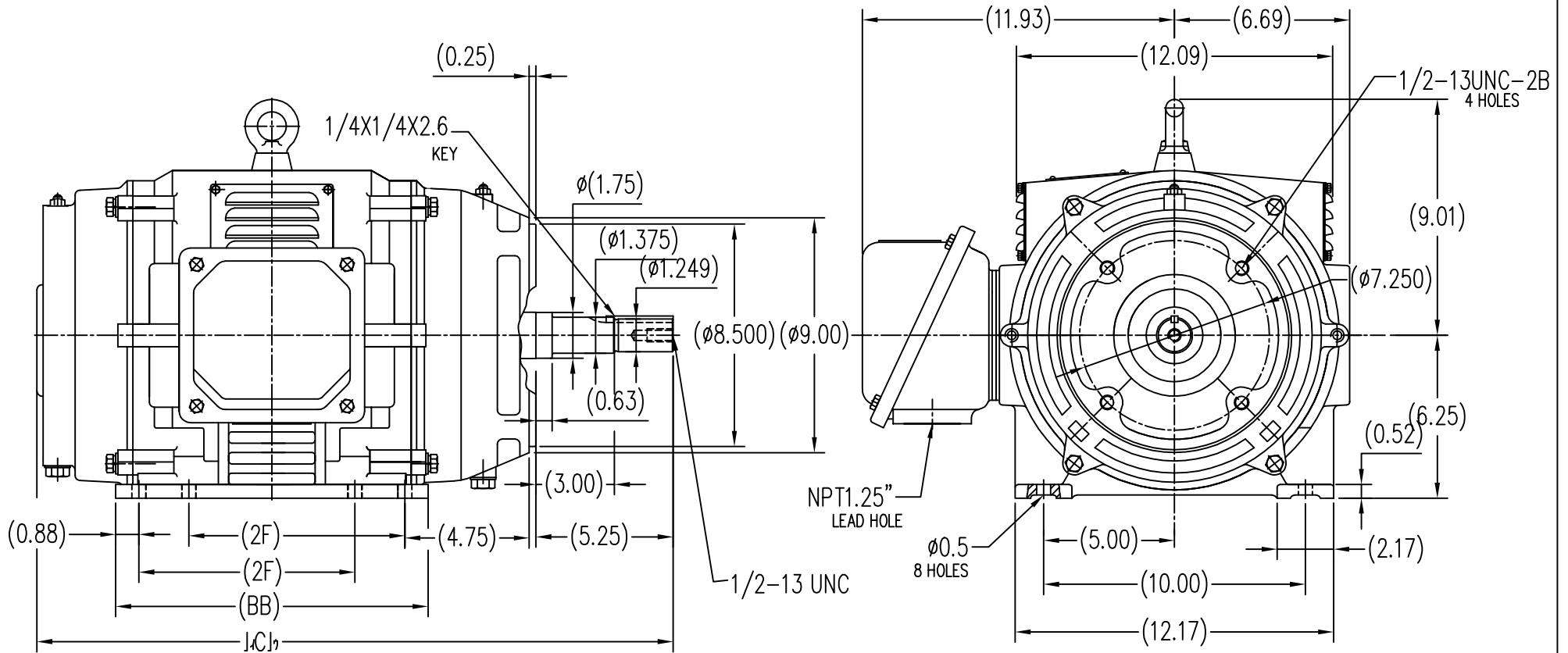
Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	15.2 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	254JM	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive 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	4	Rotation	Reversible
Resistance Main	.52 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	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	A-EE7300	Outline Drawing	SS620313-254T

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SS620313



254T	8.25	12.00	24.41
256T	10.00	13.59	25.99
FRAME	2F	BB	C

TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN ZYH 6-8-2010	
DEC.	INCHES	CHK	HZJ 6-8-2010	APPD	CL 6-8-2010
.X	±.1	TITLE	OUTLINE	SCALE	1=6
.XX	±.03	254/256T FR-JM-CAST IRON		REF	
.XXX	±.005	MAT'L.		FMF	HWADA
.XXXX	±.0005	FINISH		PREV	
ND.	REVISION	BY & DATE	CHK	ANG	±1/2
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			DIST	SIZE	DRAWING NO. B SS620313
					REV.

**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**



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: 15-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



254TTDCA6033

Submittal

Data @ 575 V

Motor Load Data

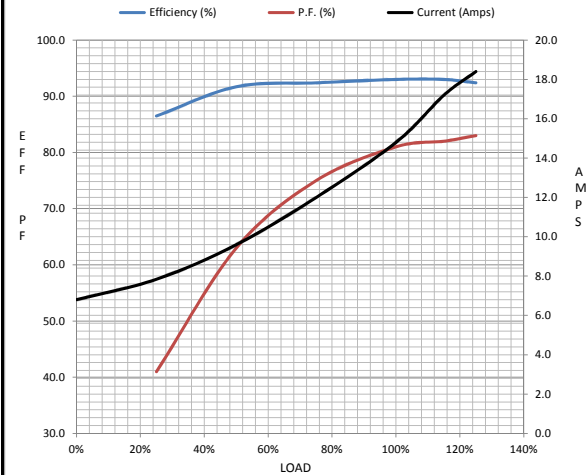
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.8	7.8	9.6	12.0	14.8	17.2	18.4	92.8
Torque (ft-lb)	0.00	11.0	22.0	33.2	44.5	51.5	56.0	100
RPM	1800	1795	1788	1780	1770	1,765	1760	0
Efficiency (%)		86.5	91.7	92.4	93.0	93.0	92.4	
P.F. (%)	5.0	41.0	63.0	75.0	81.0	82.0	83.0	41.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1650	1770	1800
Current (Amps)	92.8	80.0	57.6	14.8	6.8
Torque (ft-lb)	100	85.0	140	44.5	0.00

Information Block

HP	15.0			
Sync. RPM	1800			
Frame	254			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	35 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	2.30 Lb-Ft²			
Ref Wdg	CHT25440002 NONE			
Sound Pressure @ 1M	74 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS620313			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4870	0.3540	1.6830	2.5690	47.5450



Speed -Torque Curve

