

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 284TTDCA6008

Catalog No: GT0530

30 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 284JM Frame, ODP
JM Motors



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REGAL

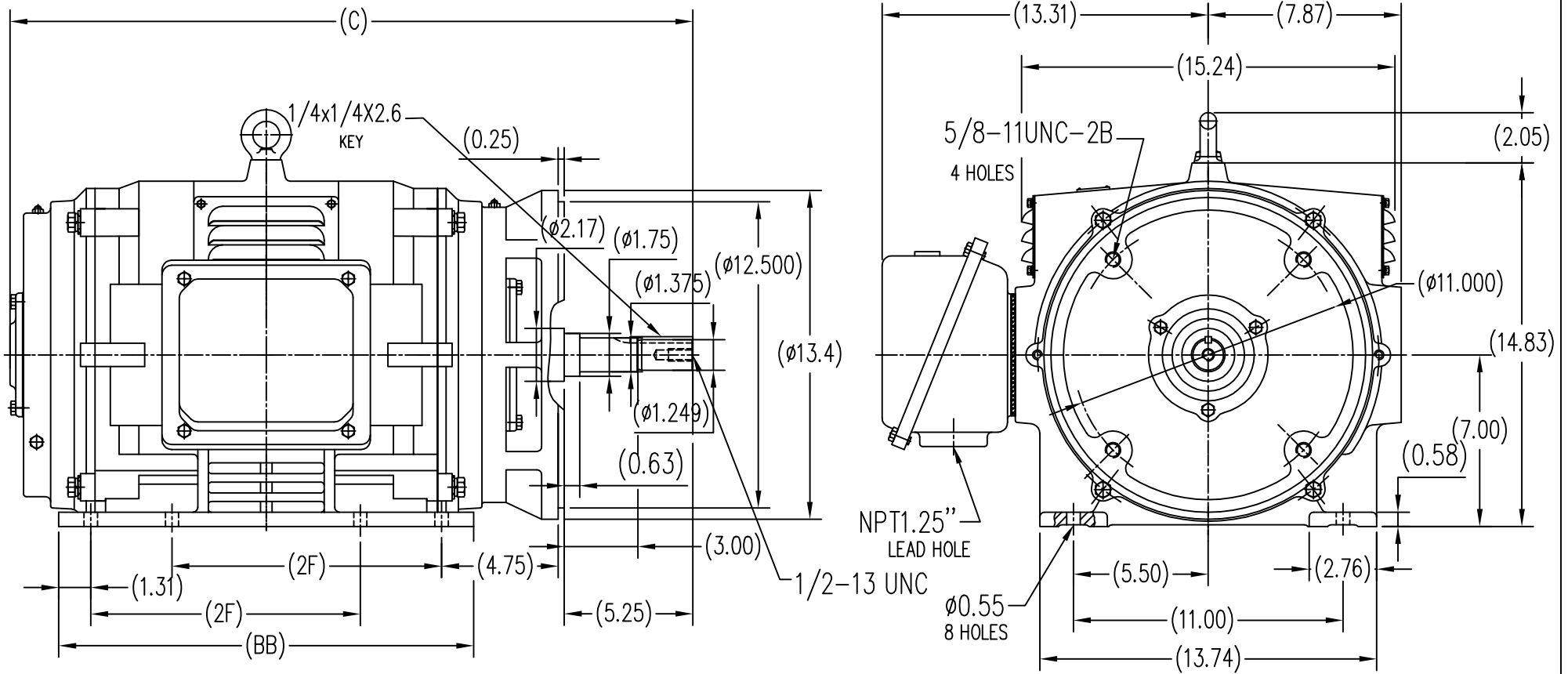
Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	27.2 A	Speed	3550 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	284JM	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6211	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Y
CE	Y	IP Code	12

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.256 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	26.58 in
Shaft Diameter	1.250 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620314-284T	Connection Drawing	A-EE7300

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284T	9.50	15.55	26.58
286T	11.00	16.93	27.09
FRAME	2F	BB	C

		TOLERANCES UNLESS SPECIFIED		DRAWN ZYH 6-8-2010	
DEC.	INCHES	REGAL BELOIT CORPORATION		CHK	HZJ 6-8-2010
.X	± 1	TITLE		APPD	ZYH 6-8-2010
.XX	± 03	284/286T FR-JM-CAST IRON		SCALE	1=6
.XXX	$\pm .005$	MAT'L.		REF	
.XXXX	$\pm .0005$	FINISH		FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 1/2$
			RFP	CAD FILE	JM 284-286
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				B	SS620314
				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: 16-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



284TTDCA6008

Submittal

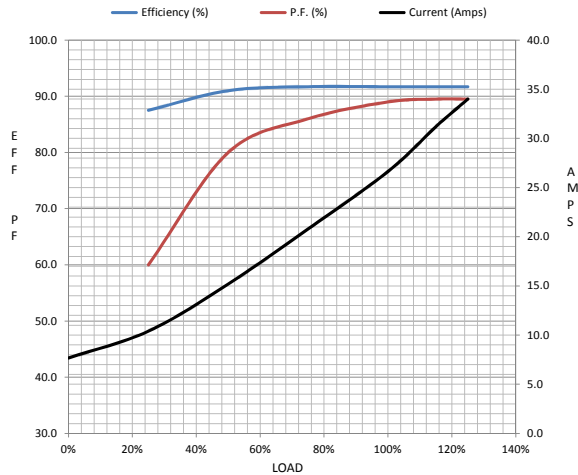
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.7	10.4	15.2	20.8	26.6	31.2	34.0	174
Torque (ft-lb)	0.00	11.0	22.0	33.0	44.5	51.0	55.5	89.0
RPM	3600	3590	3575	3565	3560	3,555	3550	0
Efficiency (%)		87.5	91.0	91.7	91.7	91.7	91.7	
P.F. (%)	6.5	60.0	80.0	86.0	89.0	89.5	89.5	37.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3560	3600
Current (Amps)	174	156	108	26.6	7.7
Torque (ft-lb)	89.0	68.0	125	44.5	0.00



Information Block				
HP	30.0			
Sync. RPM	3600			
Frame	284			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	25 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	2.80 Lb-Ft ²			
Ref Wdg	CHT28420002 NONE			
Sound Pressure @ 1M	78 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS620314			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.2550	0.1450	0.9890	1.2110	43.1160

Speed -Torque Curve

