

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 286TTDCA6007

Catalog No: GT0433

Globetrotter® Close-Coupled Pump Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
3600 & 3000 RPM, 286JM Frame, DP



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RegalRexnord

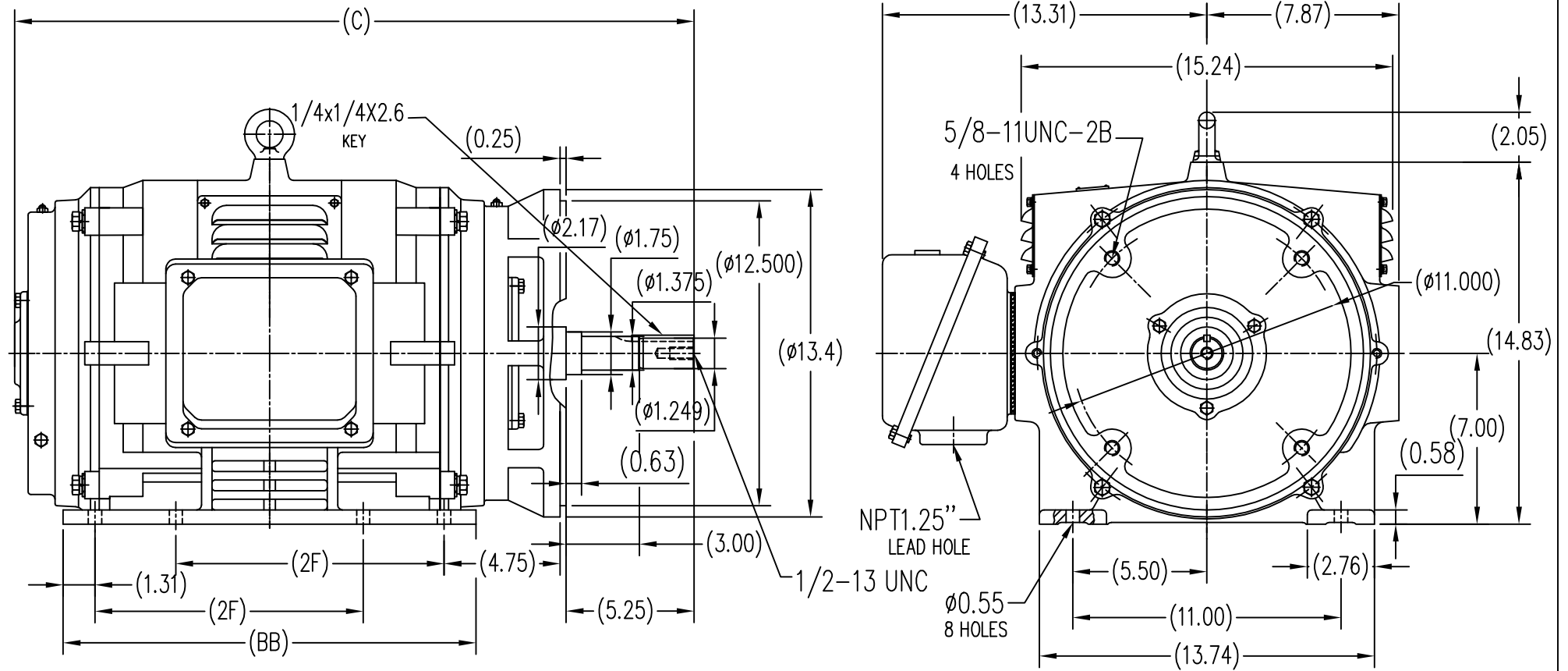
Nameplate Specifications

Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 190/380 V
Speed	3555 & 2960 rpm	Service Factor	1.15 & 1.0
Frame	286JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	92.4 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	89/44.5 & 81/40.5 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6211	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

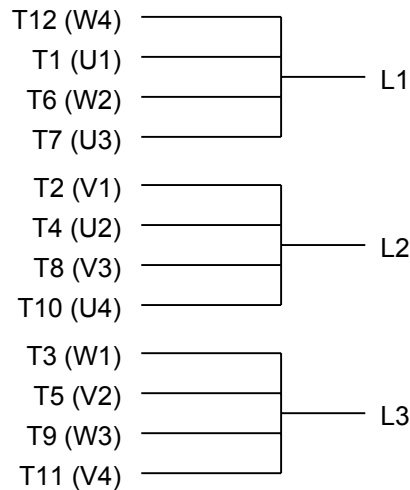
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.187 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Overall Length	27.09 in
Frame Length	13.98 in	Shaft Diameter	1.250 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7308AA	Outline Drawing	SS620314-286T

SS620314

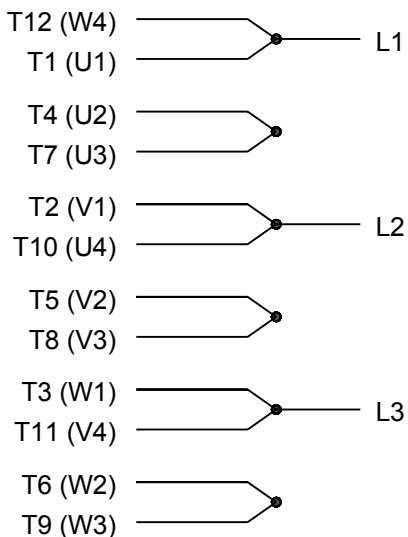


284T	9.50	15.55	26.58
286T	11.00	16.93	27.09
FRAME	2F	BB	C

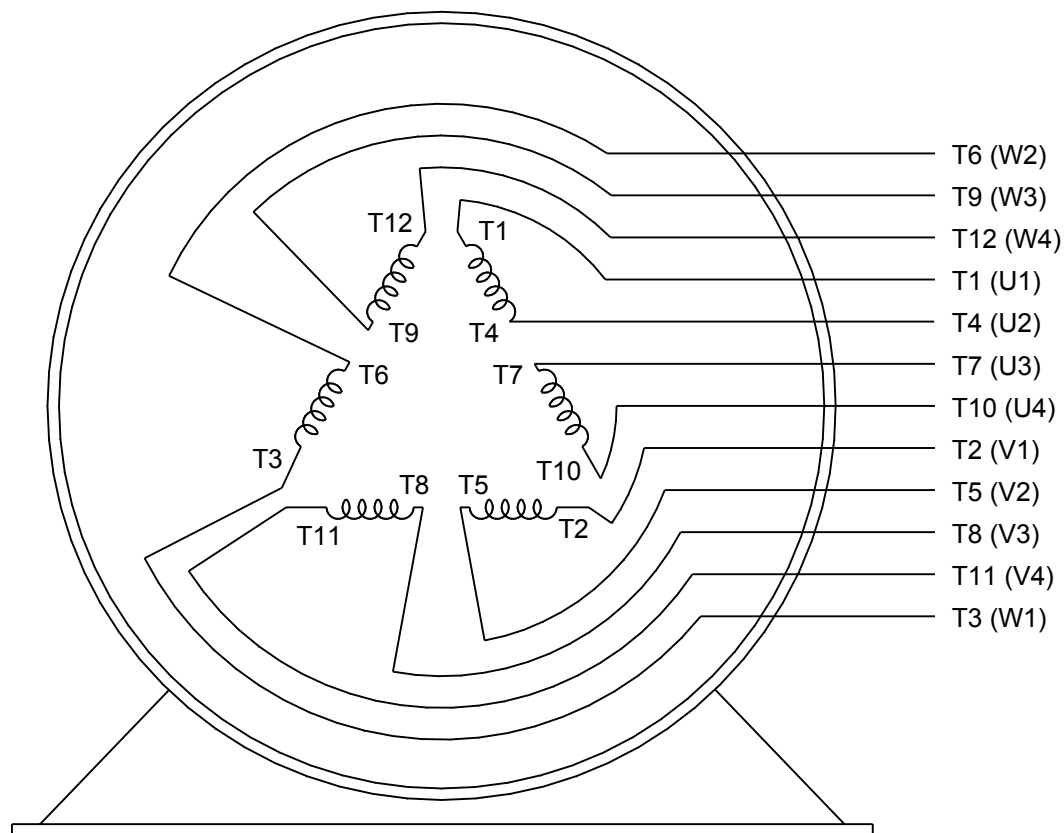
TOLERANCES UNLESS SPECIFIED		DEC. INCHES		REGAL BELLOIT CORPORATION		DRAWN ZYH 6-8-2010	
		DEC.	INCHES			CHK	HZJ 6-8-2010
		X	±.1			APPD	ZYH 6-8-2010
		JXX	±.03			SCALE	1=6
		JXXX	±.005			REF	
		JXXX	±.0005			FHW	HWADA
		CHK	ANG	±1/2		PREV	
ND. REVISION		BY & DATE		CAD FILE JM 284-286		SIZE DRAWING NO.	
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		DIST				REV.	



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	DATE 01-12-1994
APPROVED BY GK	DATE 01-14-1994
REFERENCE	
THIRD ANGLE PROJECTION	



Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
 3Ø-2/1 DELTA-12 LEADS

MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7308AA
	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 286TTDCA6007 AA

WINDING#: CHT28620002 NONE 1

CONN. DIAGRAM: A-EE7308AA

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS620314

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30&22.4	3600	3555&2960	286JM	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	89/44.5&81/40 .5	LINE OR INVERTER	CONTINUOU S	F7	1.15/1.0	40	3300

FULL LOAD EFF: 92.4&92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&89.5	3/4 LOAD PF: 87.5	1/2 LOAD PF: 82	91.7	SQ CAGE INV RATED	24 / 12

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59 LB-FT	580 / 290	125 LB-FT 210	157 LB-FT 266	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	3.2 LB-FT^2	45 LB-FT^2	15 SEC.	2	500 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6211	6211						

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: VARIABLE 10:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/21/2017 10:01:33 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



286TTDCA6007

Submittal

Data @ 460 V

Motor Load Data

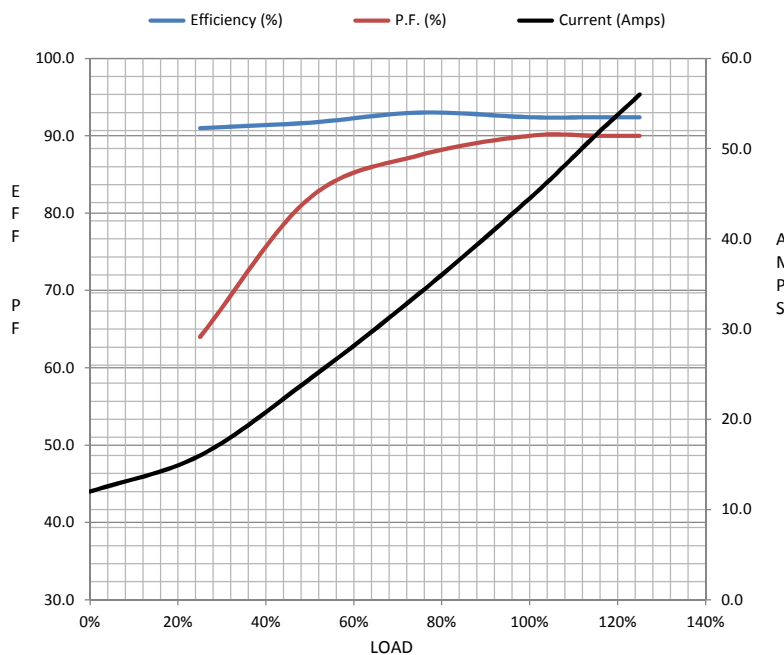
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	12.0	16.0	24.5	34.0	44.5	51.5	56.0	290	
Torque (ft-lb)	0.00	14.6	29.5	44.2	59.0	68.2	74.2	125	
RPM	3600	3590	3580	3568	3555	3,550	3545	0	
Efficiency (%)		91.0	91.7	93.0	92.4	92.4	92.4		
P.F. (%)	7.0	64.0	82.0	87.5	90.0	90.0	90.0	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3375	3555	3600
Current (Amps)	290	270	175	44.5	12.0
Torque (ft-lb)	125	110	157	59.0	0.00

Information Block

HP	40.0			
Sync. RPM	3600			
Frame	286			
Enclosure	DP			
Construction	TDC			
Voltage	230/460#190/38(V			
Frequency	60 Hz			
Design	A			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	35 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	3.2 Lb-Ft ²			
Ref Wdg	CHT28620002 NONE			
Sound Pressure @ 1M	78 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS620314			
Conn. Diag	A-EE7308AA			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1240	0.0750	0.4750	0.6380	22.5460



Speed -Torque Curve

