

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTDB6095

Catalog No: GT2508

Globetrotter® Close-Coupled Pump Motor, 2 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 184JPV Frame, DP



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord


Nameplate Specifications

Phase	3	Output HP	2 Hp
Output KW	1.5 kW	Voltage	575 V
Speed	1180 rpm	Service Factor	1.15
Frame	184JPV	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	87.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.3 A	Power Factor	74
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	5.45 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	20.46 in
Shaft Diameter	0.875 in	Shaft Extension	7.35 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	SS620570-184T	Connection Drawing	EE7300

182T	12.09	19.44
184T	13.11	20.46
FRAME	B1	B

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN ZXC 05-17-2012	
				DEC. INCHES				CHK	
				.X ±.1				APPD	
				.XX ±.03		TITLE OUTLINE ODP-182/184JP FR-ROLLED STEEL		SCALE 1=4	
				.XXX ±.005				REF	
				.XXXX ±.0005		MAT'L		FMF HWADA	
NO.		REVISION		BY & DATE		CHK ANG ±1/2		FINISH	
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 SS620570		SIZE B	
				DIST				DRAWING NO. SS620570	
								REV.	

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

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1) T1(U1) T1(U1) → L1

T2(V1) T2(V1) T2(V1) → L2

T3(W1) T3(W1) T3(W1) → L3

IF MOTOR HAS 6 LEADS

T1(U1) T1(U1) → L1

T2(V1) T2(V1) → L2


T3(W1) T3(W1) → L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY DA	<div><div><div>Regal</div><div>Rexnord</div></div><div>Regal Beloit America, Inc.</div></div>		
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022		DATE 03-26-1993			
REQUEST NUMBER DESCRIPTION DRAWING UPDATED				APPROVED BY TB	DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR		
COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.				DATE 03-26-1993			
				REFERENCE	MATERIAL		PROCESS/FINISH
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7300

CERTIFICATION DATA SHEET

Model#: 184TTDB6095 AA

WINDING#: CHT18460008 NONE 3

CONN. DIAGRAM: EE7300

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620570

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1200	1180	184JPV	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	2.3	LINE OR INVERTER	CONTINUOU S	B7	1.15	40	3300

FULL LOAD EFF: 87.5	3/4 LOAD EFF: 86.5	1/2 LOAD EFF: 84	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 74	3/4 LOAD PF: 68	1/2 LOAD PF: 56	86.5	SQ CAGE INV RATED	1.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
8.9 LB-FT	15.6	14.5 LB-FT 162	23 LB-FT 258	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
54 dBA	64 dBA	0.5 LB-FT^2	32 LB-FT^2	25 SEC.	2	90 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6206	6203	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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

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

*
N
O
T
E
S
*

DATE: 06/28/2017 06:32:36 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 6/19/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



184TTDB6095

Submittal

Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.24	1.36	1.60	1.92	2.32	2.64	2.80	15.6	
Torque (ft-lb)	0.00	2.20	4.4	6.7	8.9	10.3	11.2	14.5	
RPM	1200	1195	1190	1185	1180	1,178	1175	0	
Efficiency (%)		75.5	84.0	86.5	87.5	87.5	86.5		
P.F. (%)	9.0	37.0	56.0	68.0	74.0	76.0	77.0	38.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block																												
Speed (RPM)	0	600	1075	1180	1200	HP		2.0																										
Current (Amps)	15.6	14.4	8.8	2.32	1.24	Sync. RPM		1200																										
Torque (ft-lb)	14.5	12.0	23.0	8.9	0.00	Frame		182																										
<div><div>— Efficiency (%) — P.F. (%) — Current (Amps)</div><table><caption>Graph Data Points (Estimated)</caption><thead><tr><th>Load (%)</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>25</td><td>75</td><td>0.35</td><td>1.2</td></tr><tr><td>50</td><td>83</td><td>0.55</td><td>1.5</td></tr><tr><td>75</td><td>86</td><td>0.68</td><td>1.8</td></tr><tr><td>100</td><td>87</td><td>0.72</td><td>2.2</td></tr><tr><td>125</td><td>86</td><td>0.75</td><td>2.7</td></tr></tbody></table></div>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	25	75	0.35	1.2	50	83	0.55	1.5	75	86	0.68	1.8	100	87	0.72	2.2	125	86	0.75	2.7	Enclosure		DP		
						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)																									
						25	75	0.35	1.2																									
						50	83	0.55	1.5																									
						75	86	0.68	1.8																									
						100	87	0.72	2.2																									
						125	86	0.75	2.7																									
						Construction		TDB																										
						Voltage		575 V																										
						Frequency		60 Hz																										
						Design		B																										
						LR Code letter		J																										
						Service Factor		1.15																										
						Temp Rise @ FL		45 ° C																										
						Duty		CONT																										
						Ambient		40 ° C																										
						Elevation		1,000 feet																										
Rotor/Shaft wk²		0.50 Lb-Ft²																																
Ref Wdg		CHT18460008 NONE																																
Sound Pressure @ 1M		54 dBA																																
VFD Rating		VARIABLE 10:1																																
Outline Dwg		SS620570																																
Conn. Diag		EE7300																																
Additional Specifications:																																		
0																																		
0																																		
EQUIV CKT (OHMS / PHASE)																																		
R1		R2		X1		X2		Xm																										
4.8810		2.6630		15.9750		21.5220		259.5940																										

Speed -Torque Curve

