

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 184TTFB6033

Catalog No: GT3213

5 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 575 V, 184JM Frame, TEFC  
Close-Coupled Pump Motors



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**RegalRexnord**

### Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	5.0 A	Speed	1758 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	184JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

### Technical Specifications

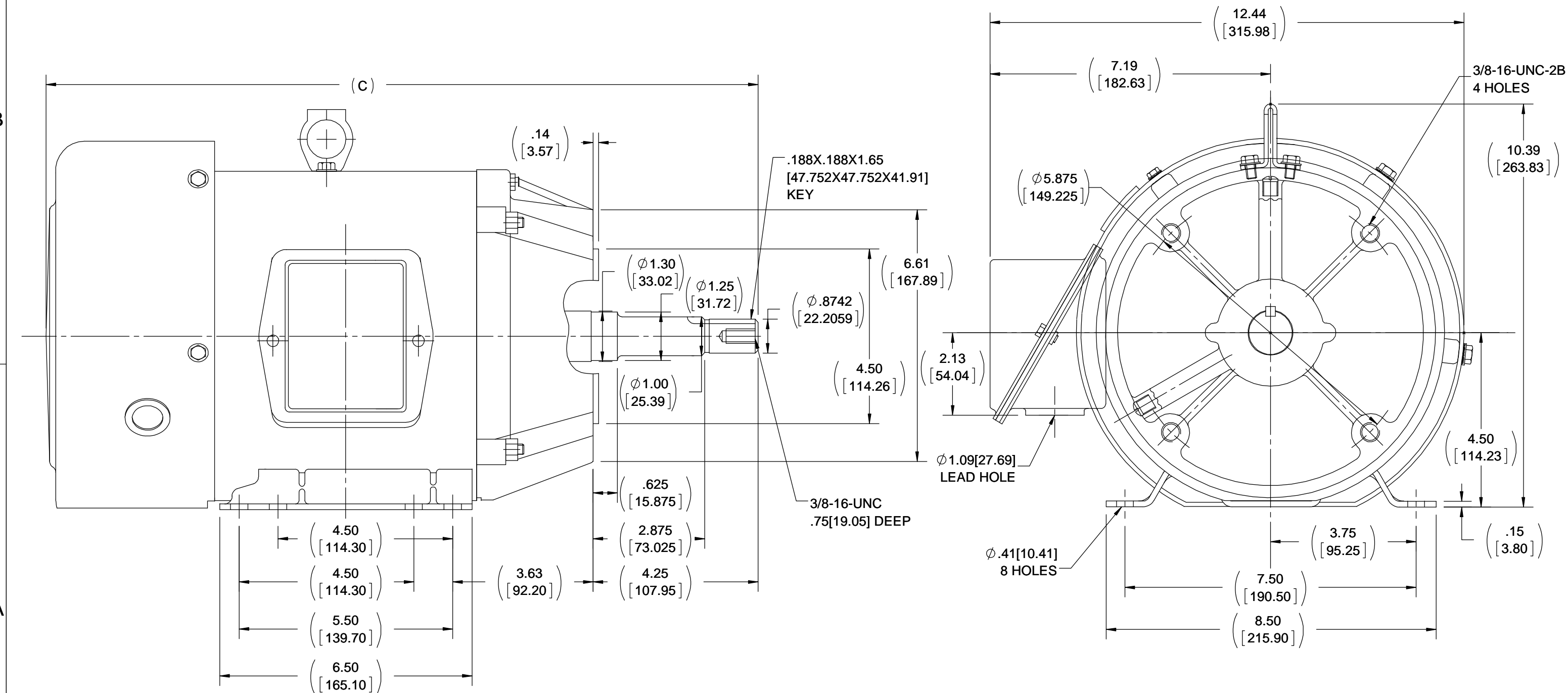
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	2.2 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	18.36 in
Frame Length	6.75 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620560-184JM	Connection Drawing	EE7300

B


A

B

A



FRAME	C
TTFB 184JM	17.51 [444.75]
TTFB 182JM	18.36 [466.34]

DRAWING REVISION D	REVISION BY TRK	DATE 10-31-2017	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X $\pm 0.1$ [ $\pm 2.5$ ] .XX $\pm 0.03$ [ $\pm 0.76$ ] .XXX $\pm 0.005$ [ $\pm 0.127$ ] .XXXX $\pm 0.0005$ [ $\pm 0.0127$ ] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [ .076/.381 ] X 45 ° CORNER FILLETS: R.02 [ .51 ] MACHINED SURFACES: 200 INCH mm 5.1 mm SHOWN IN [BRACKETS]		DRAWN BY ZYH	 Regal Beloit America, Inc.		
ECO ECO-0112254	APPROVED BY EMH	DATE 10-31-2017			DATE 01-30-2015			
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS COPYRIGHT 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.			DESCRIPTION 182-184JM - TEFC - FR-ROLLED STEEL		APPROVED BY	MATERIAL		
			DATE		REFERENCE	PROCESS/FINISH		
			THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS620560		SHEET 1 OF 1

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

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO  
LINE LEAD CONNECTIONS.

## TERMINAL BLOCK WHEN SPECIFIED



### IF MOTOR HAS 6 LEADS



A-9806 DECAL

### OPTIONAL CORD CONNECTION



## VIEW OF TERMINAL END

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
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## CERTIFICATION DATA SHEET

Model#: 184TTFB6033 AA

WINDING#: CHT18440007 NONE 3

CONN. DIAGRAM: EE7300

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620560

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1758	184JM	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	5	LINE OR INVERTER	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 89.5	1/2 LOAD EFF: 88.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 82.5	3/4 LOAD PF: 76	1/2 LOAD PF: 64.5	88.5	SQ CAGE INV RATED	2.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.1 LB-FT	44.8	38 LB-FT 252	57.4 LB-FT 380	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.5 LB-FT^2	30 LB-FT^2	20 SEC.	2	110 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	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6206	6205	POLYREX EM	JM	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

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DATE: 06/28/2017 06:55:33 AM

FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.

## Data Sheet

Date: 19-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

184TTFB6033



Submittal

Data @ 575 V

## Motor Load Data

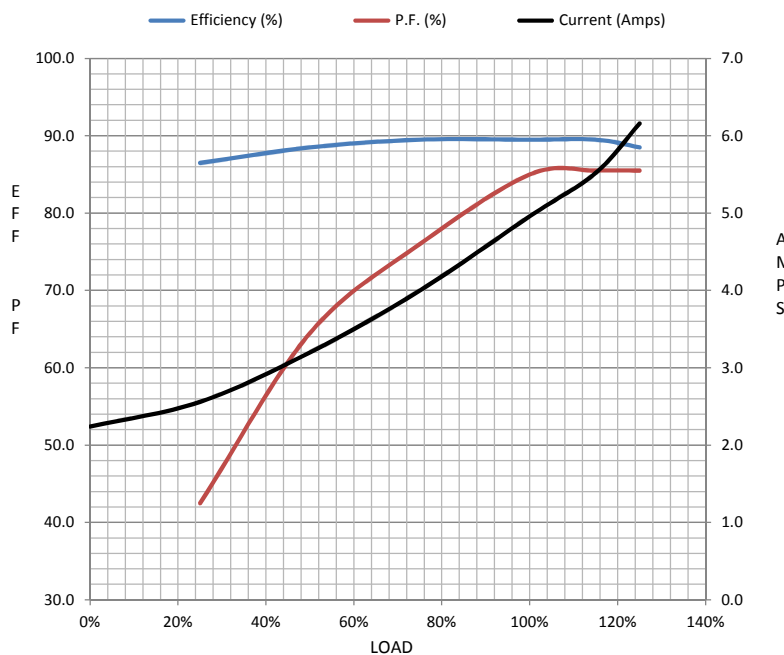
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.24	2.56	3.2	4.0	5.0	5.5	6.2	44.8	
Torque (ft-lb)	0.00	3.7	7.4	11.2	15.1	17.4	19.0	38.0	
RPM	1800	1790	1780	1755	1740	1,732	1725	0	
Efficiency (%)		86.5	88.5	89.5	89.5	89.5	88.5		
P.F. (%)	5.5	42.5	64.5	76.0	85.0	85.5	85.5	53.0	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1450	1740	1800
Current (Amps)	44.8	40.4	28.8	5.0	2.24
Torque (ft-lb)	38.0	34.2	57.4	15.1	0.00

## Information Block

HP	5.0			
Sync. RPM	1800			
Frame	184			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.50 Lb-Ft <sup>2</sup>			
Ref Wdg	CHT18440007 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620560			
Conn. Diag	EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
2.0380	2.3030	5.9800	6.3080	166.9990



## Speed - Torque Curve

