

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFB6008

Catalog No: GT3209

3 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 182JM Frame, TEFC
Close-Coupled Pump Motors



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RegalRexnord

Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	575 V
Current	3.0 A	Speed	3535 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	L
Frame	182JM	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

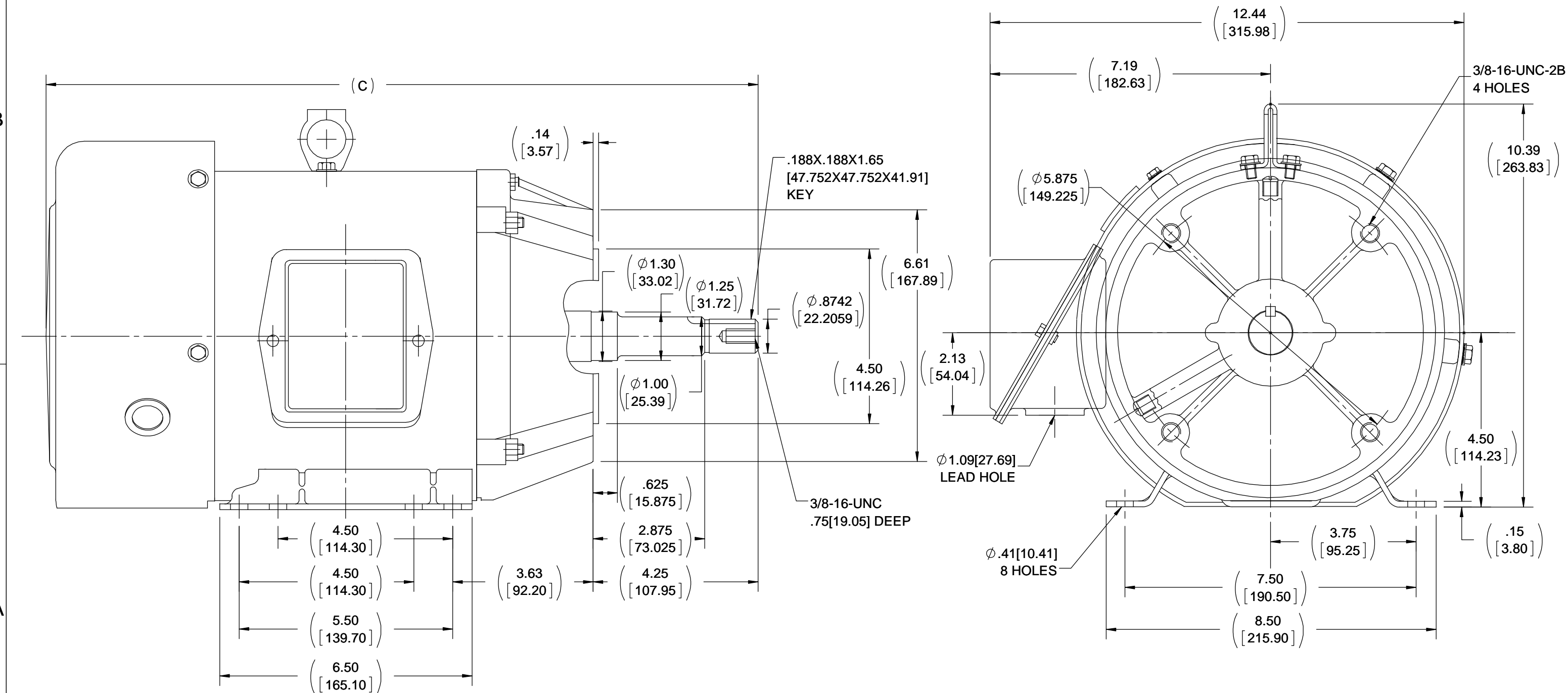
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	3.45 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	17.51 in
Frame Length	5.75 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620560-182JM	Connection Drawing	EE7300

B

A

B

A



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

DRAWING REVISION	REVISION BY	DATE
D	TRK	10-31-2017
ECO	APPROVED BY	DATE
ECO-0112254	EMH	10-31-2017
ECO DESCRIPTION		
UPDATED TO CURRENT STANDARDS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30'
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [0.51]			
MACHINED SURFACES: 200 INCH/mm 5.1			
mm SHOWN IN [BRACKETS]			

DRAWN BY		<div><div>REGAL™</div><div>Regal Beloit America, Inc.</div></div>	
ZYH			
DATE	<div>DESCRIPTION</div> <div>OUTLINE</div> <div>182-184JM - TEFC - FR-ROLLED STEEL</div>		
01-30-2015			
APPROVED BY			
DATE			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	<div><div>SIZE</div><div>B</div></div>	<div><div>DRAWING NUMBER</div><div>SS620560</div></div>	<div><div>SHEET</div><div>1 OF 1</div></div>

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#: 182TTFB6008 AA

WINDING#: CHT18220001 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
3	2.24	3600	3535	182JM	TEFC	L	A

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

FULL LOAD EFF: 86.5	3/4 LOAD EFF: 86.5	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85	3/4 LOAD PF: 79	1/2 LOAD PF: 68.5	85.5	SQ CAGE INV RATED	1.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	30.4	13.5 LB-FT 300	22.5 LB-FT 500	25

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.2 LB-FT^2	34 LB-FT^2	25 SEC.	2	75 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: 06/27/2017 02:06:29 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 1/4/2019
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



182TTFB6008

Submittal

Data @ 575 V

Motor Load Data

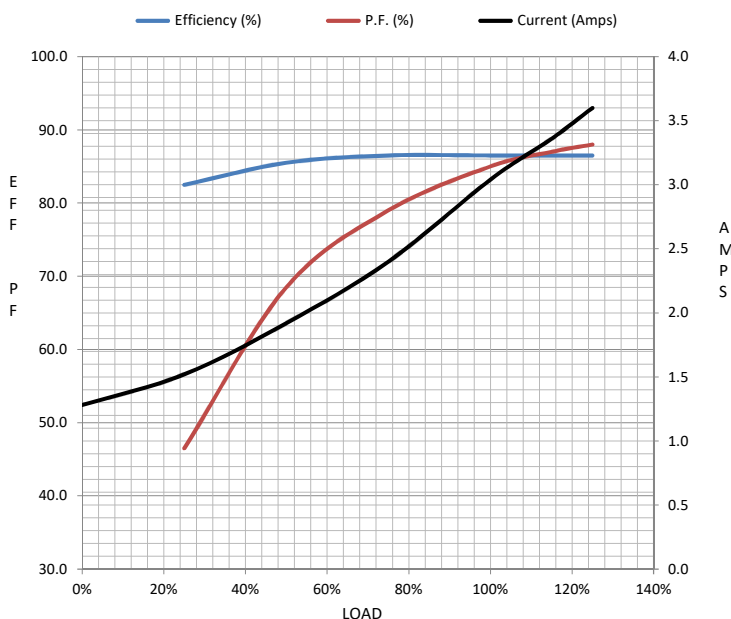
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.28	1.52	1.92	2.40	3.0	3.4	3.6	30.4	
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	5.2	5.6	13.5	
RPM	3600	3585	3570	3555	3535	3525	3520	0	
Efficiency (%)		82.5	85.5	86.5	86.5	86.5	86.5		
P.F. (%)	8.0	46.5	68.5	79.0	85.0	87.0	88.0	49.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2850	3535	3600
Current (Amps)	30.4	24.0	19.6	3.0	1.28
Torque (ft-lb)	13.5	10.0	22.5	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	182			
Enclosure	TEFC			
Construction	TFB			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	25 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3,300 feet			
Rotor/Shaft wk²	0.20 Lb-Ft²			
Ref Wdg	CHT18220001 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620560			
Conn. Diag	EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.2520	2.2910	7.3910	3.3260	272.7140



Speed -Torque Curve

