

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTFB6008

Catalog No: GT3218

10 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 215JM Frame, TEFC
Close-Coupled Pump Motors



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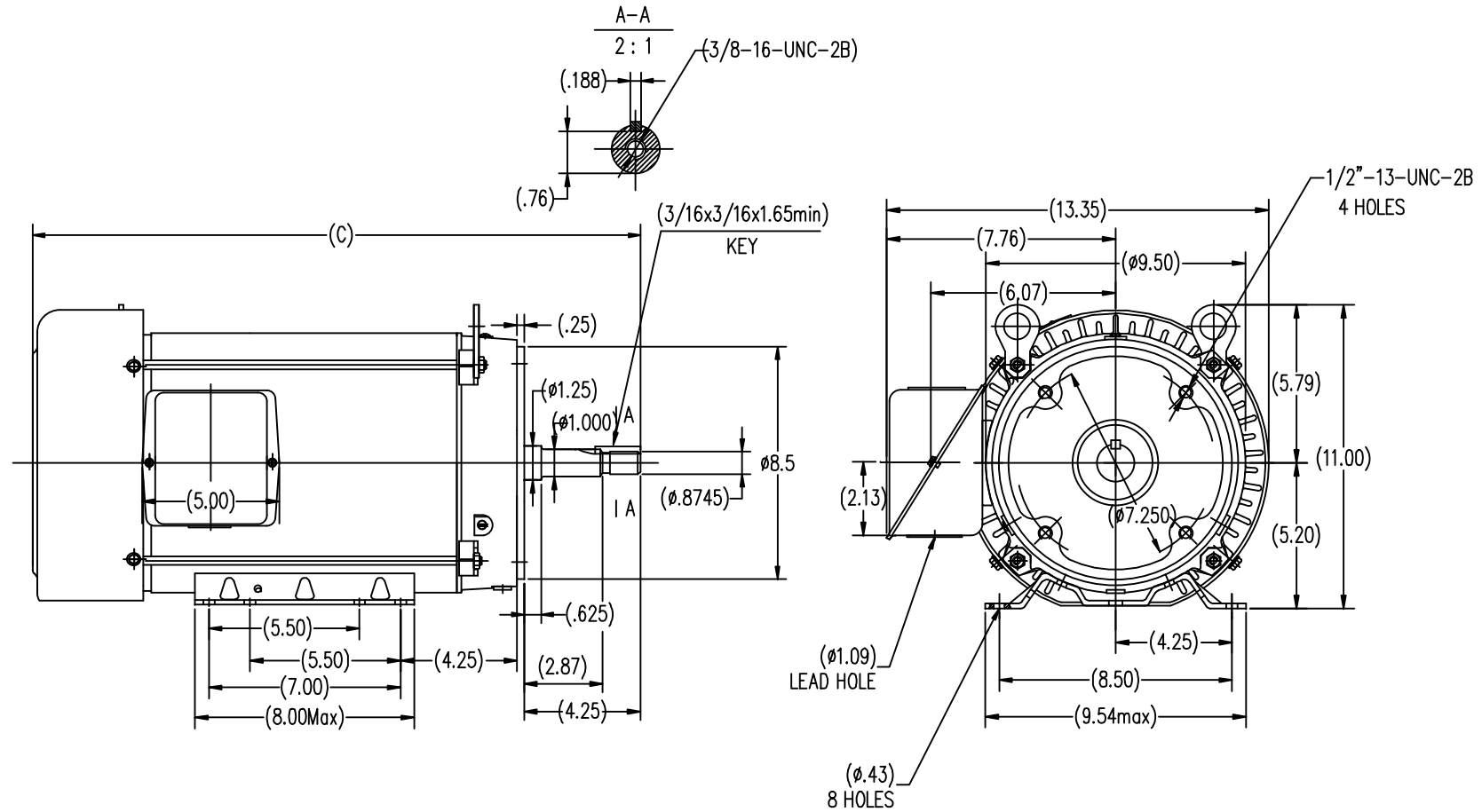
RegalRexnord

Nameplate Specifications


Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	9.2 A	Speed	3540 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	215JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
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	.685 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	20.65 in
Frame Length	11.15 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620561-215TC	Connection Drawing	EE7300



213TC	20.65
215TC	22.14
FRAME	C

			TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN Lee 05-16-2012	
			DEC.	INCHES		CHK	HPH 05-16-2012
			.X	±.1		APPD	JGX 05-16-2012
			.XX	±.03		SCALE	1=4
			.XXX	±.005		REF	
			.XXXX	±.0005		FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
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			DIST			B	SS620561
							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
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#: 215TTFB6008 AA

WINDING#: CHT21520001 NONE 3

CONN. DIAGRAM: EE7300

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620561

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	3600	3540	215JM	TEFC	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	9.2	LINE OR INVERTER	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 90.2	1/2 LOAD EFF: 88.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90	3/4 LOAD PF: 88	1/2 LOAD PF: 82	88.5	SQ CAGE INV RATED	2.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.9 LB-FT	64.8	30 LB-FT 200	48 LB-FT 322	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.45 LB-FT^2	18 LB-FT^2	15 SEC.	2	205 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						
6307	6206	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: 06/22/2017 07:39:37 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



215TTFB6008

Submittal

Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.64	3.6	5.2	7.0	9.1	10.4	11.2	64.8	
Torque (ft-lb)	0.00	3.7	7.4	11.1	14.9	17.2	18.6	30.0	
RPM	3600	3585	3570	3555	3540	3530	3525	0	
Efficiency (%)		81.5	88.5	90.2	90.2	90.5	89.5		
P.F. (%)	12.0	65.0	82.0	88.0	90.0	90.5	90.5	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																																	
Speed (RPM)	0	1800	3175	3540	3600																																	
Current (Amps)	64.8	62.4	44.0	9.1	2.64																																	
Torque (ft-lb)	30.0	26.0	48.0	14.9	0.00																																	
<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>0</td><td>-</td><td>-</td><td>2.5</td></tr><tr><td>25</td><td>82</td><td>65</td><td>3.5</td></tr><tr><td>50</td><td>88</td><td>82</td><td>5.0</td></tr><tr><td>75</td><td>90</td><td>88</td><td>7.5</td></tr><tr><td>100</td><td>90</td><td>90</td><td>10.0</td></tr><tr><td>125</td><td>89</td><td>91</td><td>10.5</td></tr></tbody></table></div>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	0	-	-	2.5	25	82	65	3.5	50	88	82	5.0	75	90	88	7.5	100	90	90	10.0	125	89	91	10.5					
						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)																													
						0	-	-	2.5																													
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						100	90	90	10.0																													
						125	89	91	10.5																													
						HP		10.0																														
						Sync. RPM		3600																														
						Frame		215																														
						Enclosure		TEFC																														
						Construction		TFC																														
						Voltage		575 V																														
						Frequency		60 Hz																														
						Design		A																														
						LR Code letter		H																														
Service Factor		1.15																																				
Temp Rise @ FL		50 ° C																																				
Duty		CONT																																				
Ambient		40 ° C																																				
Elevation		1,000 feet																																				
Rotor/Shaft wk²		0.45 Lb-Ft²																																				
Ref Wdg		CHT21520001 NONE																																				
Sound Pressure @ 1M		72 dBA																																				
VFD Rating		VARIABLE 10:1																																				
Outline Dwg		SS620561																																				
Conn. Diag		EE7300																																				
Additional Specifications:																																						
0																																						
0																																						
EQUIV CKT (OHMS / PHASE)																																						
R1		R2		X1		X2		Xm																														
0.6880		0.6430		2.4850		2.6180		127.5780																														

Speed -Torque Curve

