

PRODUCT INFORMATION PACKET



Model No: 140522.00

Catalog No: 140522.00

General Purpose Motor, 10 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 215TC Frame, TEFC



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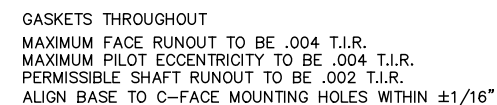
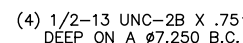



Nameplate Specifications

Phase	3	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230/460 V
Speed	1765 rpm	Service Factor	1.25
Frame	215TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	91.7 %
Ambient Temperature	40 °C	Frequency	60/50 Hz
Current	26.8/13.4 A	Power Factor	77
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

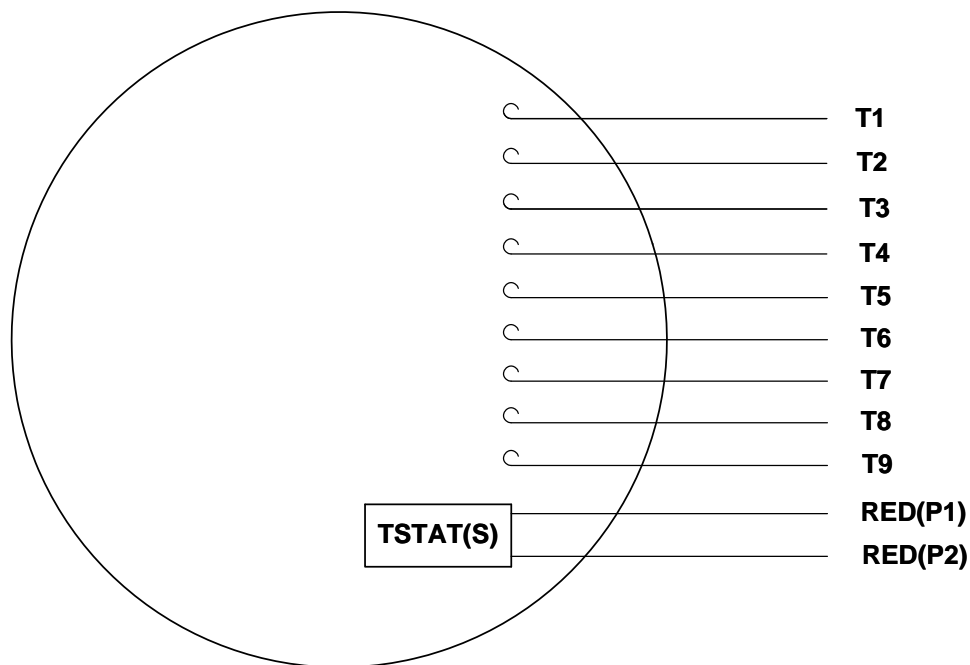
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.755 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	19.71 in
Frame Length	13.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005010.20	Outline Drawing	037624-1300

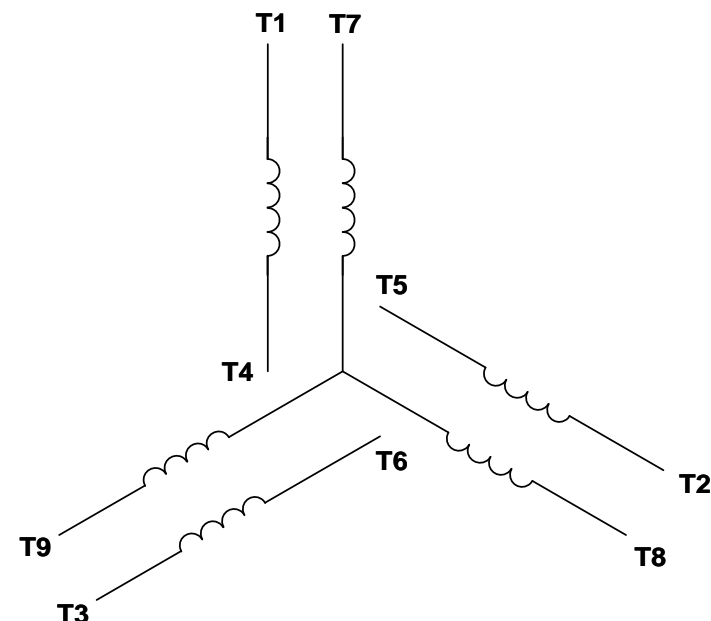


					TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.		DRAWN RDW 6/11/05	
					DEC. INCHES				CHK	
			02 ADDED NOTE "WHEN REQUIRED" IN WATT SAVER DECAL		MVG 03/31/17		ST .X ±.1		APPD KJH 6/13/05	
DASH NO. "C" "AD"			01 ADDED: WARNING DECAL - LIFTING LUG & WARNING DECAL - WITH/OUT PROTECTOR; REMOVED: DECAL - WIRING INSTRUCTION		KVN 4/13/2010		.XX ±.03		TITLE OUTLINE - 210TC FRAME TEFC - RIGID "C"	
1150 18.21 5.25							.XXX ±.005		SCALE 3=8	
1200 18.71 5.75			NAMEPLATE -was- TV SCREEN STYLE(004142.01)				.XXXX ±.000		REF	
1250 19.21 6.25							MAT'L		FMF 140522	
1300 19.71 6.75			NO. REVISION		BY & DATE		CHK ANG ±1/2"		FINISH	
1350 20.21 7.25			THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH THE WORK AND RIGHTS OF DESIGN RESERVED				RFP 6/13/05		CAD FILE 037624	
1400 20.71 7.75			THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				DIST NLV		SIZE B DRAWING NO. 037624	
									REV 02	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO ECO-0121253	APPROVED BY SM	DATE 04/05/2017
ECO DESCRIPTION ADDED P1 & P2 FOR TSTAT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [.076/.381] X 45°			
CORNER FILLETS: R.02 [.51]			
MACHINED SURFACES: 125/3.2			
INCH/mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY DBT 12/16/97	DATE
APPROVED BY KH 12/17/97	DATE
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE WITH PROTECTOR	
MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
	SHEET 1 OF 1

Data Sheet

Date: 1/31/2018

140522.00



Data @ 460 V

Motor Load Data

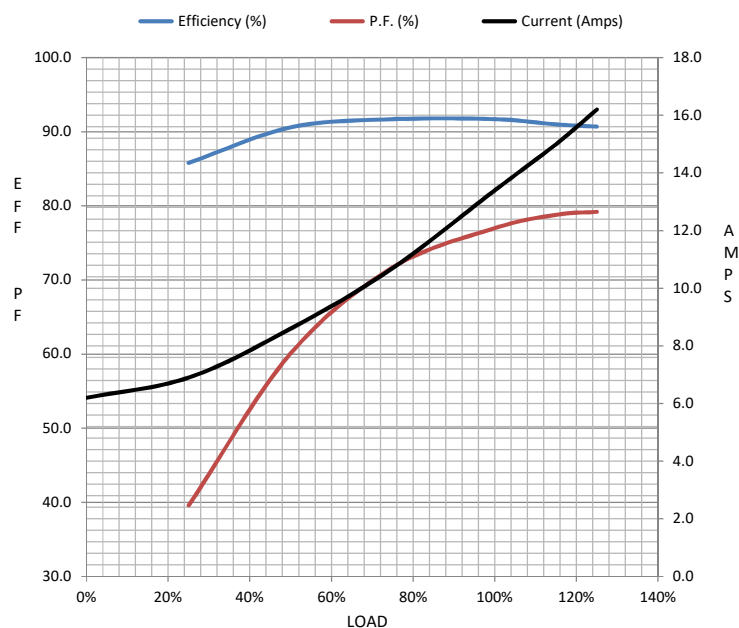
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.2	6.9	8.6	10.7	13.4	15.0	16.2	79.0	
Torque (ft-lb)	0.00	7.4	17.4	22.2	29.8	34.2	37.4	55.2	
RPM	1800	1793	1784	1774	1765	1758	1754	0	
Efficiency (%)		85.8	90.6	91.7	91.7	91.0	90.7		
P.F. (%)	6.1	39.6	60.1	71.7	77.0	78.8	79.2	0.0	

Motor Speed Data

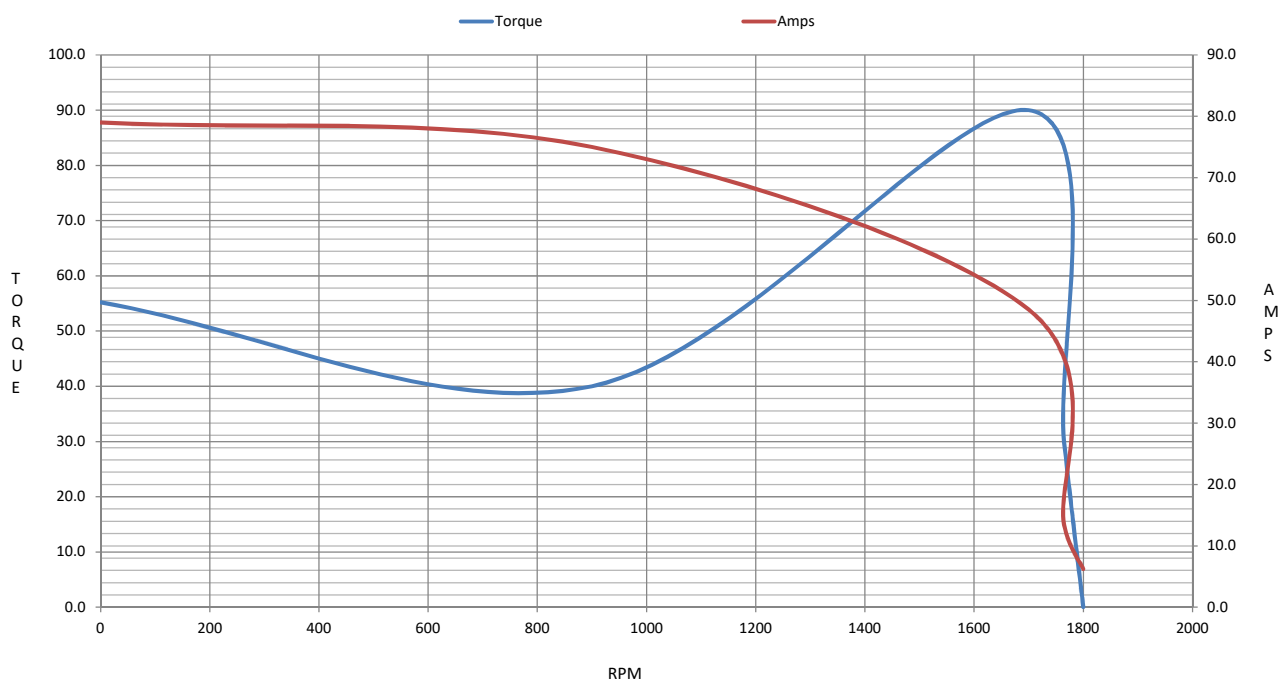
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1765	1800
Current (Amps)	79.0	75.0	48.5	13.4	6.2
Torque (ft-lb)	55.2	40.0	90.0	29.8	0.00

Information Block

HP	10.0			
Sync. RPM	1800			
Frame	210			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	55	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	1.16	Lb-Ft²		
Ref Wdg	T9497 FR			
Sound Pressure @ 1M	62	dBA		
VFD Rating	NONE			
Outline Dwg	037624-1300			
Conn. Diag	005010.20			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 140522.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 140522.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)


EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 02/03/2023

CE 23