

PRODUCT INFORMATION PACKET

Model No: 143TTFR15642

Catalog No: E2101

General Purpose Motor, 1 HP, 3 Ph, 60 Hz, 208-230/460 V, 1800 RPM, 143T Frame, TEFC



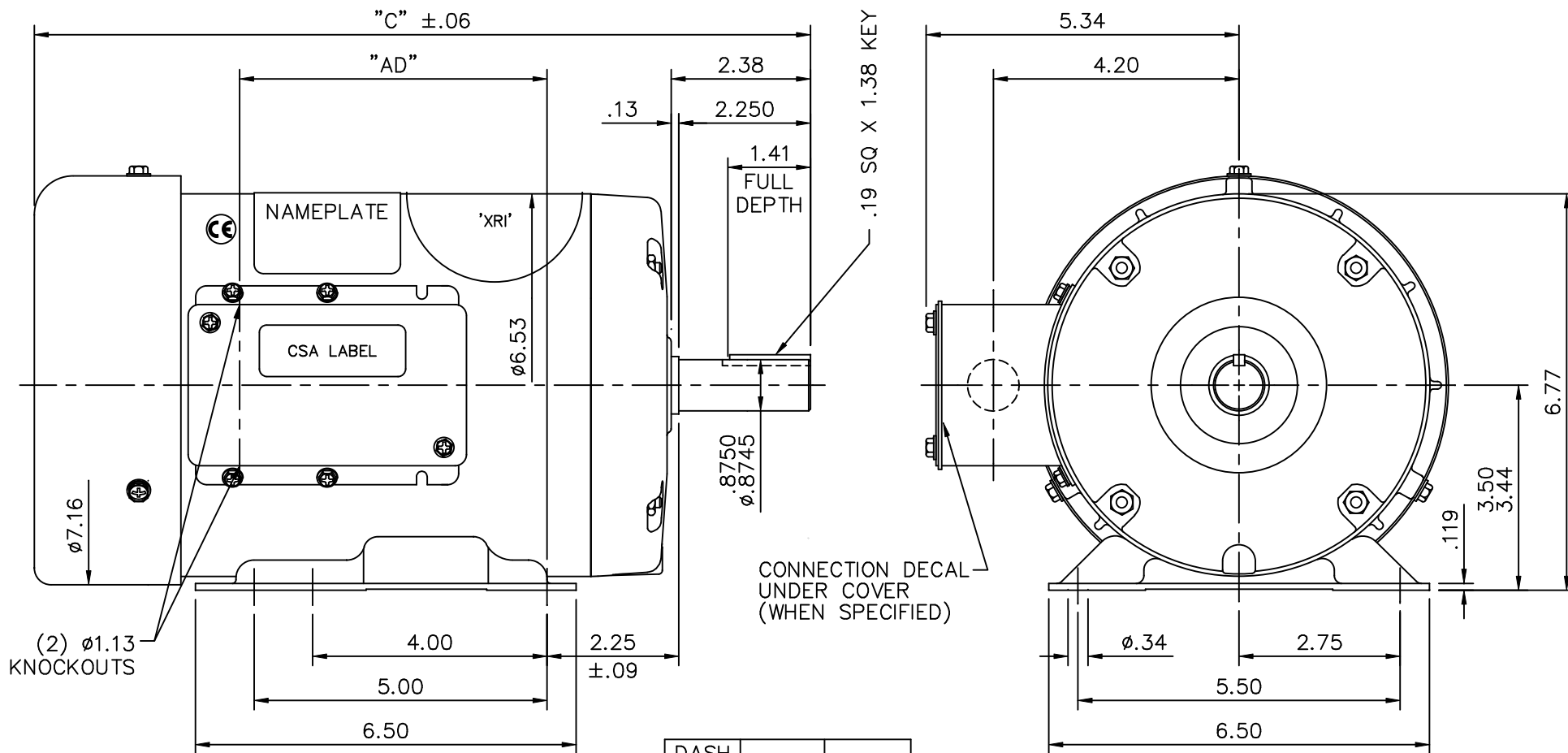
Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.2-3.2/1.6 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Power Factor	68.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Frame	143T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
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	12.96 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	13.25 in
Frame Length	7.00 in	Shaft Diameter	0.875 in
Shaft Extension	2.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	00501001ME	Outline Drawing	028753-700

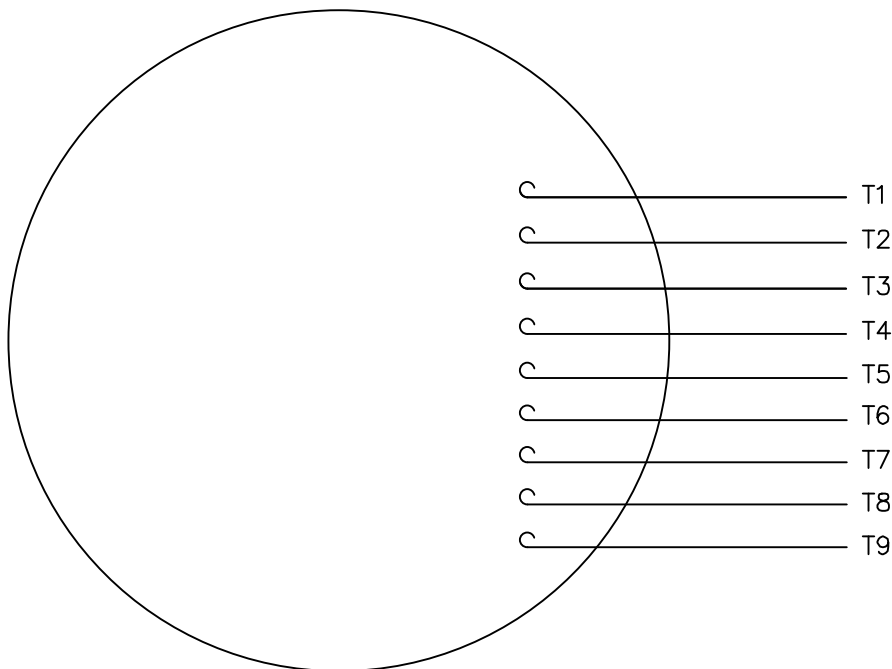


DASH NO.	"C"	"AD"
650	12.75	4.75
700	13.25	5.25
750	13.75	5.75
800	14.25	6.25
850	14.75	6.75

GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN	LST 6/7/06
		DEC.	INCHES			CHK	
		.X	±.1	TITLE		APPD	
		.XX	±.03	OUTLINE - 140T FRAME		SCALE	3=8
		.XXX	±.005	TEFC- RIGID		REF	
01	ADDED NOTE FOR CONNECTION DECAL	GWS	4/22/08	.XXXX	±.0005	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV
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	028753	SIZE	DRAWING NO.
		DIST				A	028753
							REV.
							01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

		TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02					
		DEC.	INCHES	CHK					
		.X	±.1	APPD					
		.XX	±.01	SCALE 1=1					
		.XXX	±.005	REF FIG.2-51					
		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV			
				±1/2"					
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	04/12/02	CAD FILE	00501001ME	SIZE	DRAWING NO.	REV.
			DIST				A	005010-01ME	



TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L. DECAL - 004014

CERTIFICATION DATA SHEET

Model#: 143TTFR15642 AA **WINDING#:** T634342 FR 3
CONN. DIAGRAM: 00501001ME **ASSEMBLY:** F1 ONLY
OUTLINE: 028753-700

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN		
1&1	.75&.75	1800	1760&1450	143T	TEFC	N	B		
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	3.2/1.6&3.4/1. 7	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.0	40	3300
FULL LOAD EFF:	3/4 LOAD EFF: 85.4		1/2 LOAD EFF: 79.6		GTD. EFF	ELEC. TYPE	NO LOAD AMPS		
85.5&81.5					0	SQ CAGE IND RUN	2 / 1		
FULL LOAD PF:	3/4 LOAD PF: 61.5		1/2 LOAD PF: 51.5						
68.5&78									
F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C	
3 LB-FT		28 / 14		12 LB-FT 0		15.8 LB-FT 0		38	
SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2		MAX. WK^2		SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT	
0 dBA	10 dBA	0.12 LB-FT^2		0.1 LB-FT^2		10 SEC.	0	0 LBS.	

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL	
DE	OPE	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL	
BALL	BALL							
6205	6203							
THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS		
NONE	NOT	NONE	NONE					

If Inverter equals NONE, contact factory for further information

* N O T E S *	INVERTER TORQUE: NONE
	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

Data Sheet

Date: 16-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



143TFR15642

Submittal

Data @ 460 V

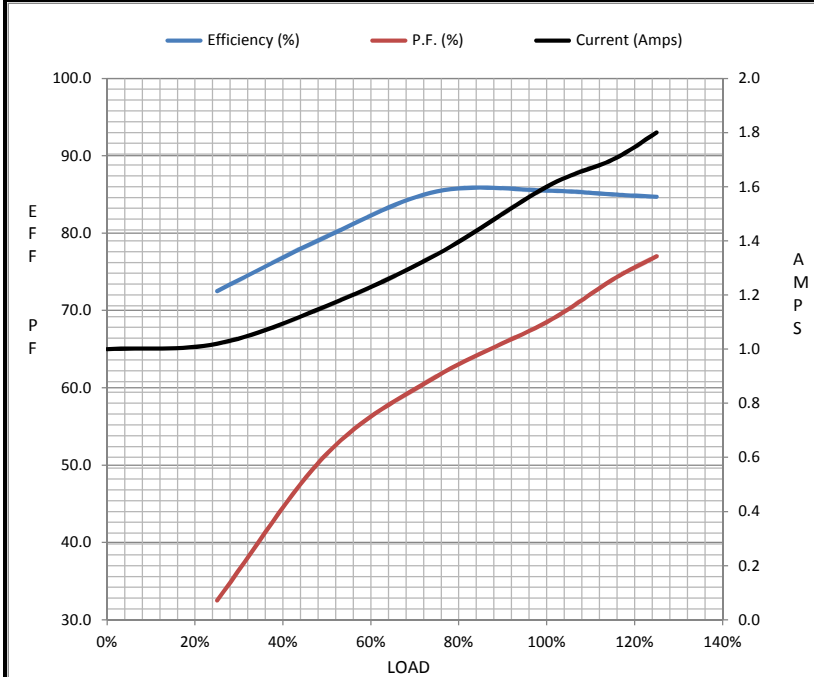
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.00	1.02	1.16	1.35	1.60	1.70	1.80	14.0
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	12.0
RPM	1800	1789	1779	1769	1760	1,750	1745	0
Efficiency (%)		72.5	79.6	85.4	85.5	85.0	84.7	
P.F. (%)	8.0	32.5	51.5	61.5	68.5	74.0	77.0	41.0

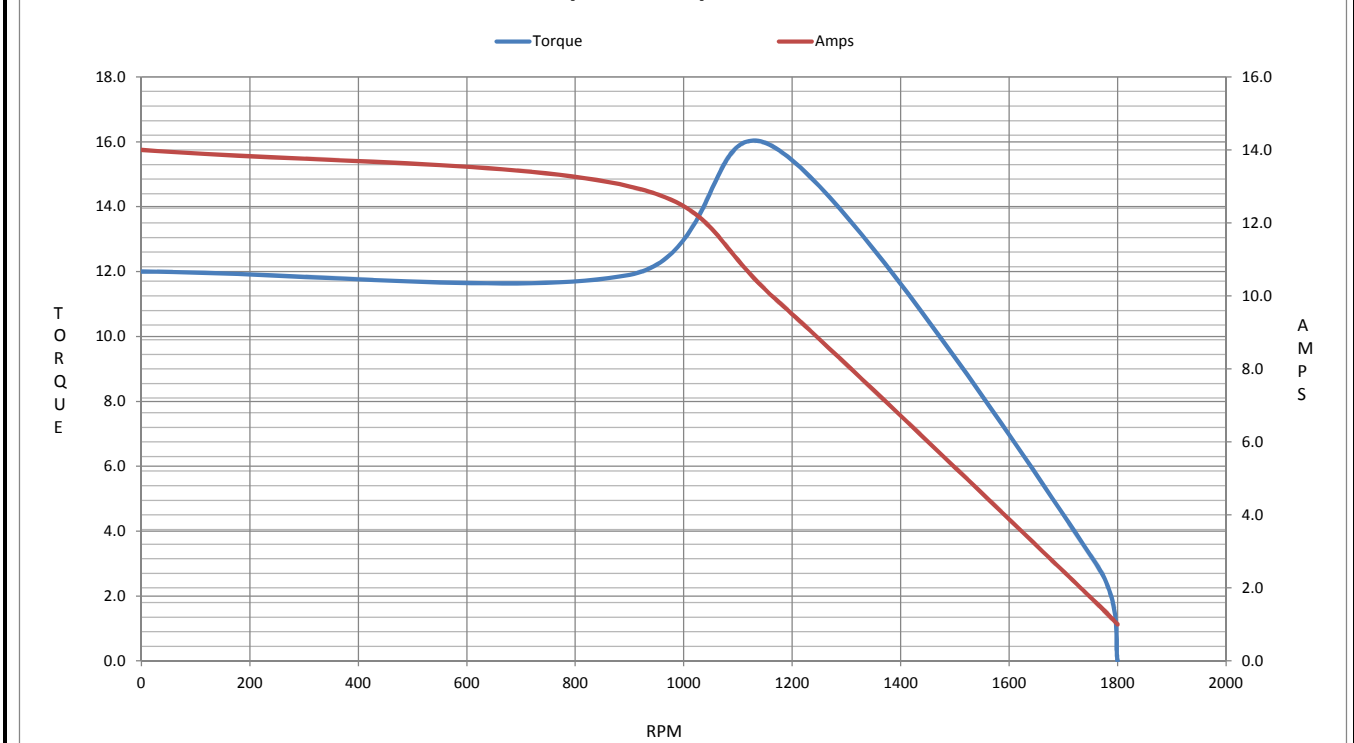
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1170	1760	1800
Current (Amps)	14.0	13.0	9.9	1.60	1.00
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00

Information Block				
HP	1.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/38(V)			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	38 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.12 Lb-Ft ²			
Ref Wdg	T634342 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	028753-700			
Conn. Diag	00501001ME			
Additional Specifications:				
0				
365THFS8036				
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 : 143TTFR15642

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

Catalog No : E2101

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 09/01/2022

CE 22