

PRODUCT INFORMATION PACKET



Model No: 131507.00

Catalog No: 131507.00

Special Voltage Motor, 5 HP, 3 Ph, 50 Hz, 220/380/440 V, 3000 RPM, 184TC Frame, TEFC



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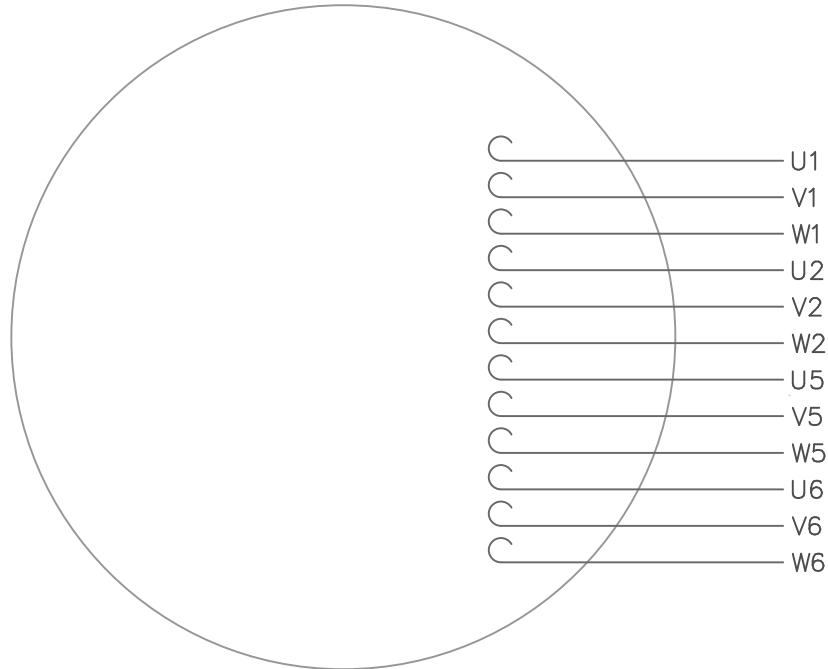
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	50 Hz	Voltage	220/380/440 V
Current	12.8/7.4/6.4 A	Speed	2850 rpm
Service Factor	1.15	Phase	3
Efficiency	84 %	Power Factor	93
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Frame	184TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

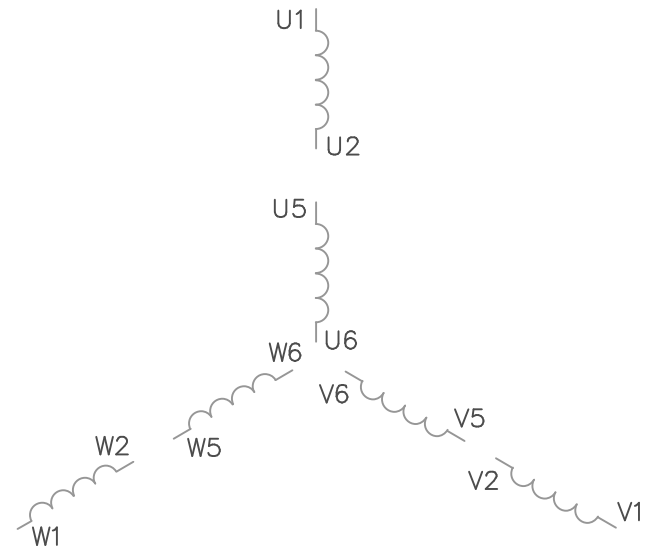
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.81 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	14.47 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005381.01	Outline Drawing	035518-900

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN
(2Δ) LOW	U1,W2 U5,W6	V1,U2 V5,U6	W1,V2 W5,V6	----
(2Y) MEDIUM	U1,U5	V1,V5	W1,W5	(U2,V2,W2) (U6,V6,W6)
(1Δ) HIGH	U1,W6	V1,U6	W1,V6	(U2,U5) (V2,V5) (W2,W5)

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMALS

.00 ± .01

.000 ± .005

.0000 ± .0005

FRACTIONS ± 1/64

ANGLES ± 1/2°

INCH/MM

LEESON ELECTRIC CORPORATION

DRAWN GWS 2/23/96

CH'K'D.

APPR.

SCALE 1=1

REF. 005352 PG 3

FMF

TITLE

MAT'L.

FINISH

EXT. WIRING DIAGRAM
TYPE "T" W/O PROTECTOR

DECAL - 080590

STOCK

SIZE

A

DRAWING NO.

005381-01

1 REDRAWN TO CURRENT STANDARDS DBT 05/30/97

NO. REVISION BY DATE

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

Data Sheet

Date: 1/29/2018

131507.00



Data @ 440 V

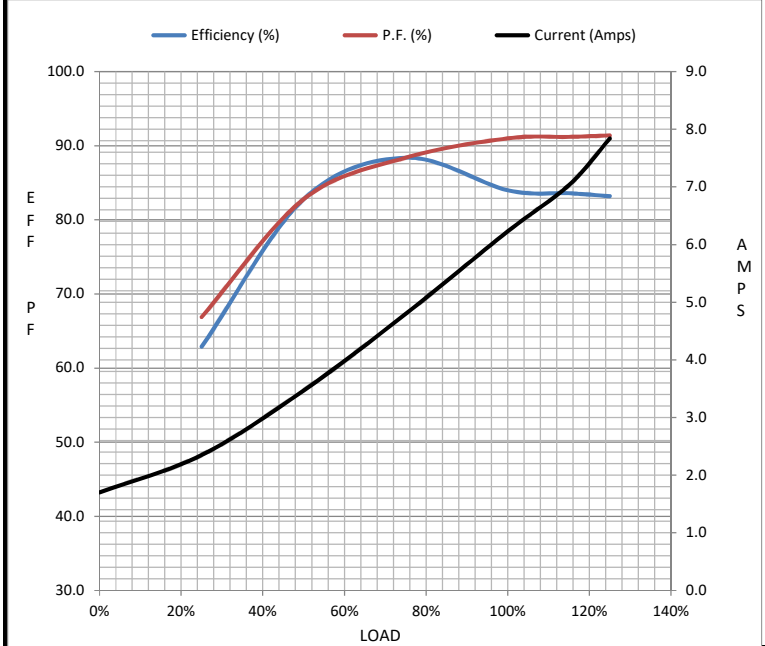
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	2.35	3.5	4.8	6.2	7.0	7.8	19.9
Torque (ft-lb)	0.00	2.30	4.5	6.8	9.0	10.2	11.3	23.3
RPM	3000	2973	2947	2918	2886	2,870	2846	0
Efficiency (%)		62.9	82.8	88.4	84.0	83.6	83.2	
P.F. (%)	14.3	66.9	82.8	88.4	91.0	91.2	91.4	0.0

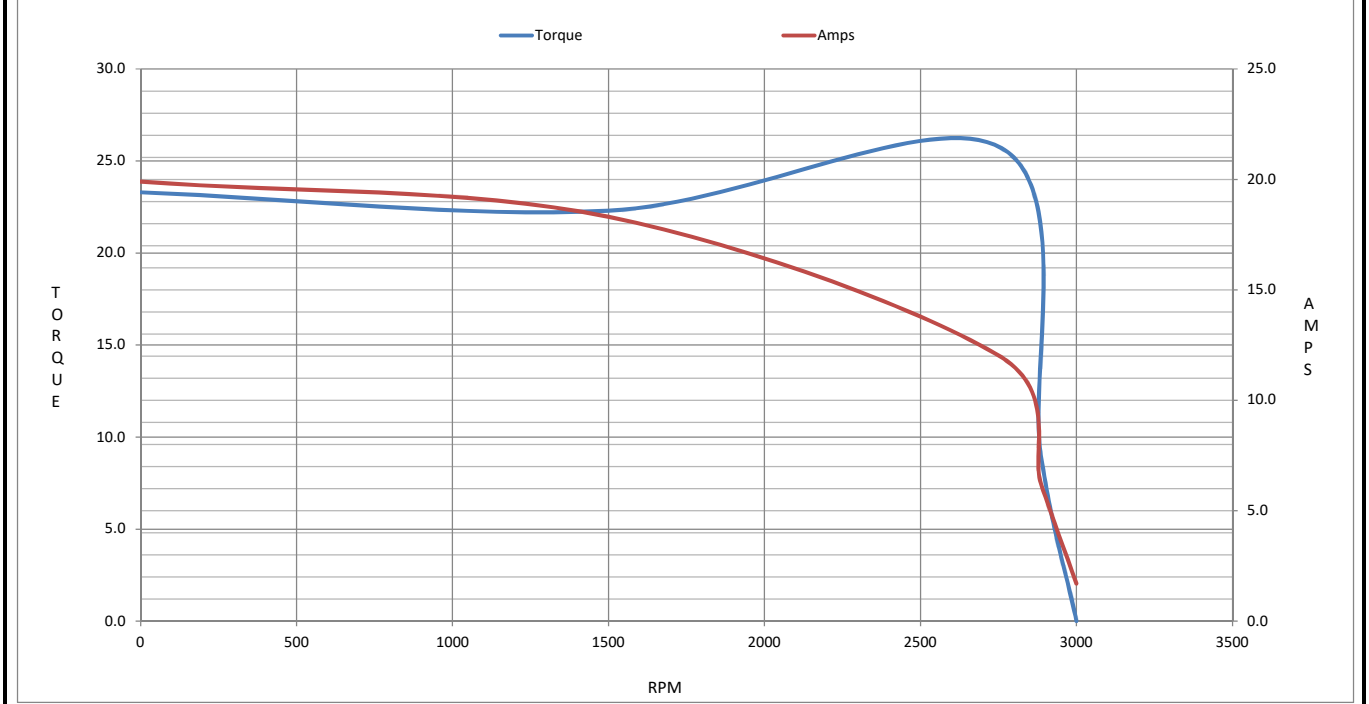
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2760	2886	3000
Current (Amps)	19.9	18.3	11.9	6.2	1.70
Torque (ft-lb)	23.3	22.3	25.7	9.0	0.00

Information Block				
HP	5.0			
Sync. RPM	3000			
Frame	180			
Enclosure	IP54			
Construction	NA			
Voltage	220/380/440 V			
Frequency	50 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	71 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.16 Lb-Ft ²			
Ref Wdg	T8264 FR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	035518-900			
Conn. Diag	005381.01			
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 : 131507.00

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

Catalog No : 131507.00

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 09/01/2022

CE 22