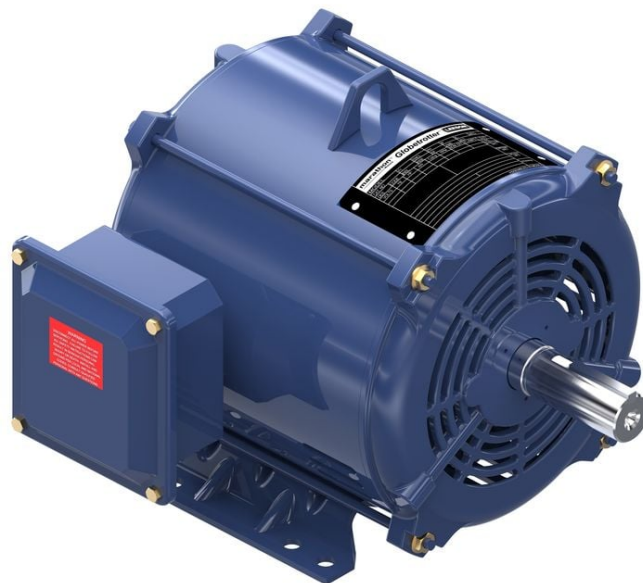


PRODUCT INFORMATION PACKET

Model No: 184TTDBD7209

Catalog No: Y487B

Multispeed Motor, 5 & 1.25 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 184T Frame, DP



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

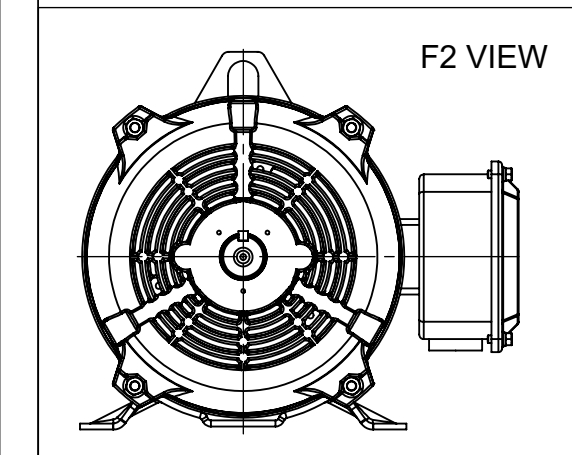
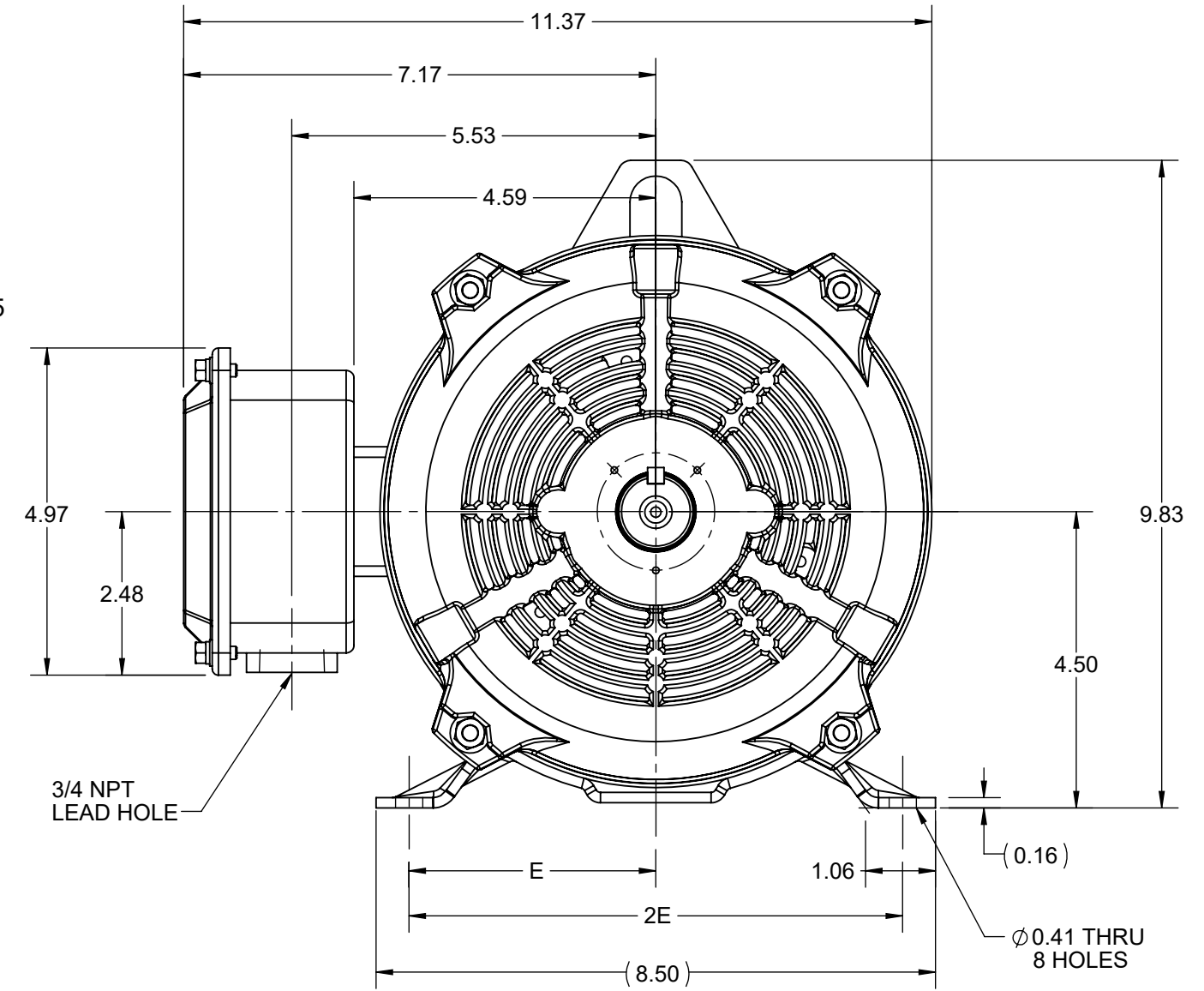
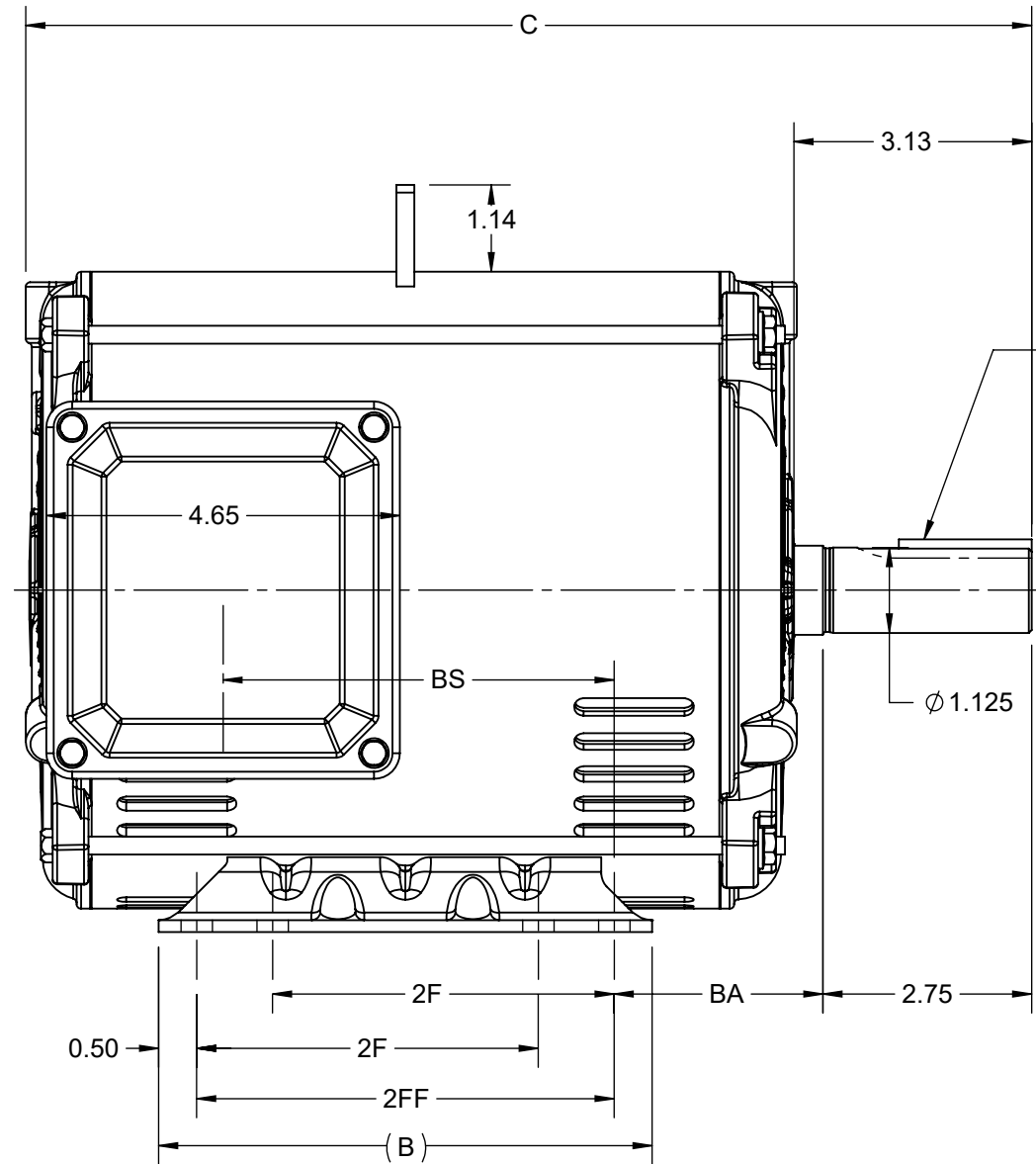
Phase	3	Output HP	5 & 1.25 Hp
Output KW	3.7 & 0.93 kW	Voltage	460 & 460 V
Speed	1770 & 880 rpm	Service Factor	1.15 & 1.15
Frame	184T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	86.5 & 76.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	6.5 & 2.5 A	Power Factor	81.5
Duty	Continuous	Insulation Class	F
Design Code	1VT	KVA Code	M
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	2		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4/8	Rotation	Reversible
Resistance Main	3.036 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS600198-200	Connection Drawing	EE7322

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/23/2023

	4			3				2			1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	6.50	12.25	3.75	7.50	4.50	5.50	2.75	4.15	F1 OR F2	182T	
200		13.25						5.15		184T	



DRAWING REVISION F	REVISION BY VS	REV DATE/© DATE 24-06-2021
ECO CR-0003090	APPROVED BY GNK	DATE 24-06-2021
ECO DESCRIPTION VIEWS UPDATED		
<small>COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>		

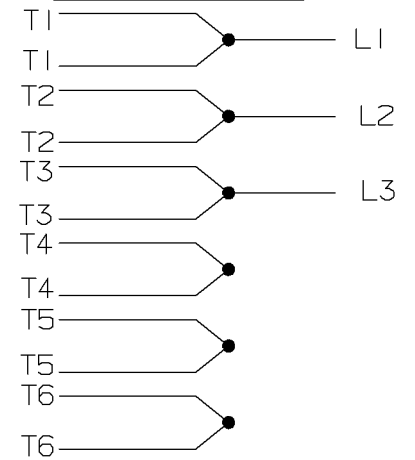
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY PRIYA	REGAL ® Regal Beloit America, Inc.
DATE 12/03/2018	
APPROVED BY SBD	DESCRIPTION OUTLINE 182/184T FR -NEMA-ODP RS
DATE 12/03/2018	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS600198
	SHEET 1 OF 1

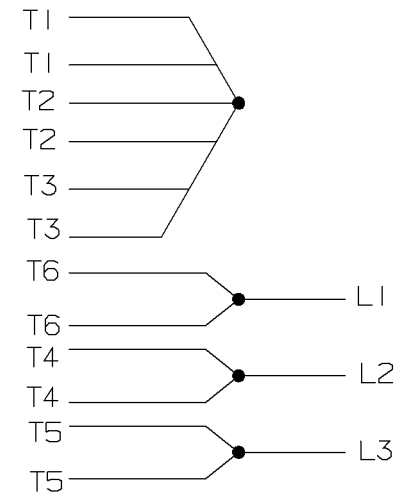
A- EE7322

FOR DUAL LEADS

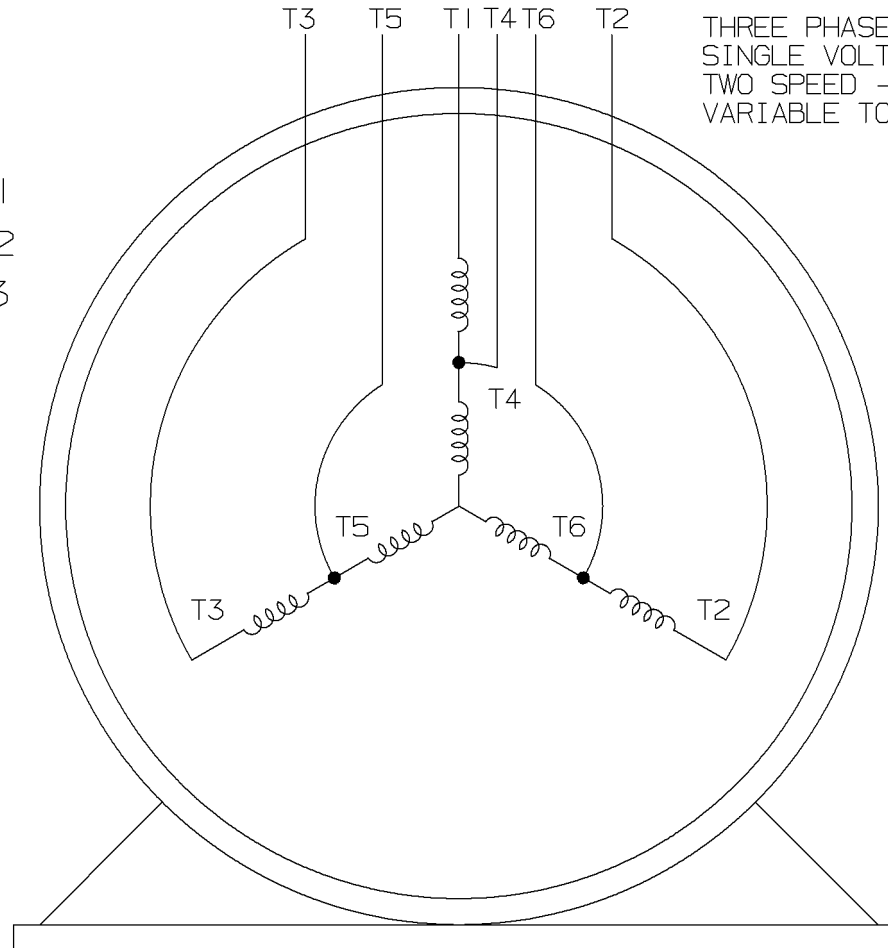
LOW SPEED



HIGH SPEED

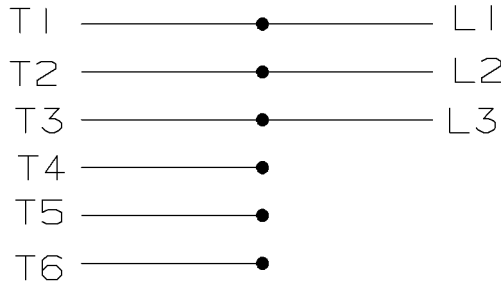


THREE PHASE MOTOR
SINGLE VOLTAGE
TWO SPEED - SGL. WDG.
VARIABLE TORQUE

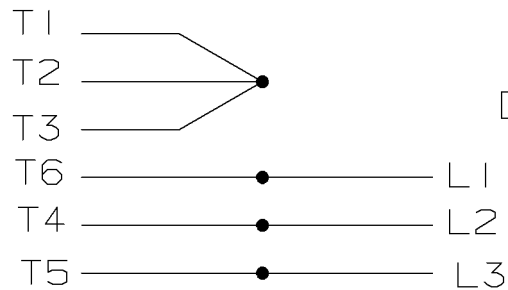


VIEW OF TERMINAL END

LOW SPEED



HIGH SPEED



T612C

T48B

				<input checked="" type="checkbox"/> MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
				MATL SPEC	TOL. ON XX±	XXX±.005	XXXX±.0005	ANGLES±
				FINISH	MARATHON ELECTRIC WAUSAU, WISCONSIN 54401			DRAWN BY PGK 12-26-1996
				REFERENCE DRW.				CHKD BY ML 01-07-1997
7	01-08-1997	REDRAWN ON CADD	CN 24000-27	PGK	APPD BY TB 01-07-1997			DRWG NO A-EE7322
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM 3Ø - SINGLE VOLTAGE - 2 SPEED				

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE7322

Data Sheet

Date: 12/14/2021
 Customer: _____
 Attention: _____
 Submitted by: SHERYL KUEHMICHEL



184TTDBD7209

Submittal

Data @ 460 V

Motor Load Data

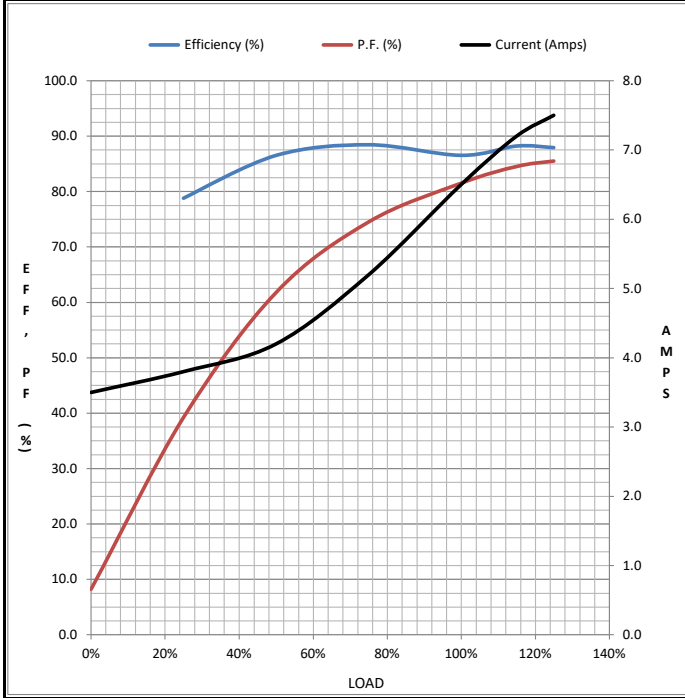
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.5	3.8	4.2	5.2	6.5	7.2	7.5	67.5
Torque(ft-lb)	0.00	3.7	7.4	11.1	14.9	17.1	18.7	45.6
RPM	1800	1792	1785	1778	1770	1,762	1760	0
Efficiency (%)		78.8	86.5	88.4	86.5	88.2	87.9	
P.F. (%)	8.2	39.2	61.8	74.5	81.5	84.5	85.5	65.2

Motor Speed Data

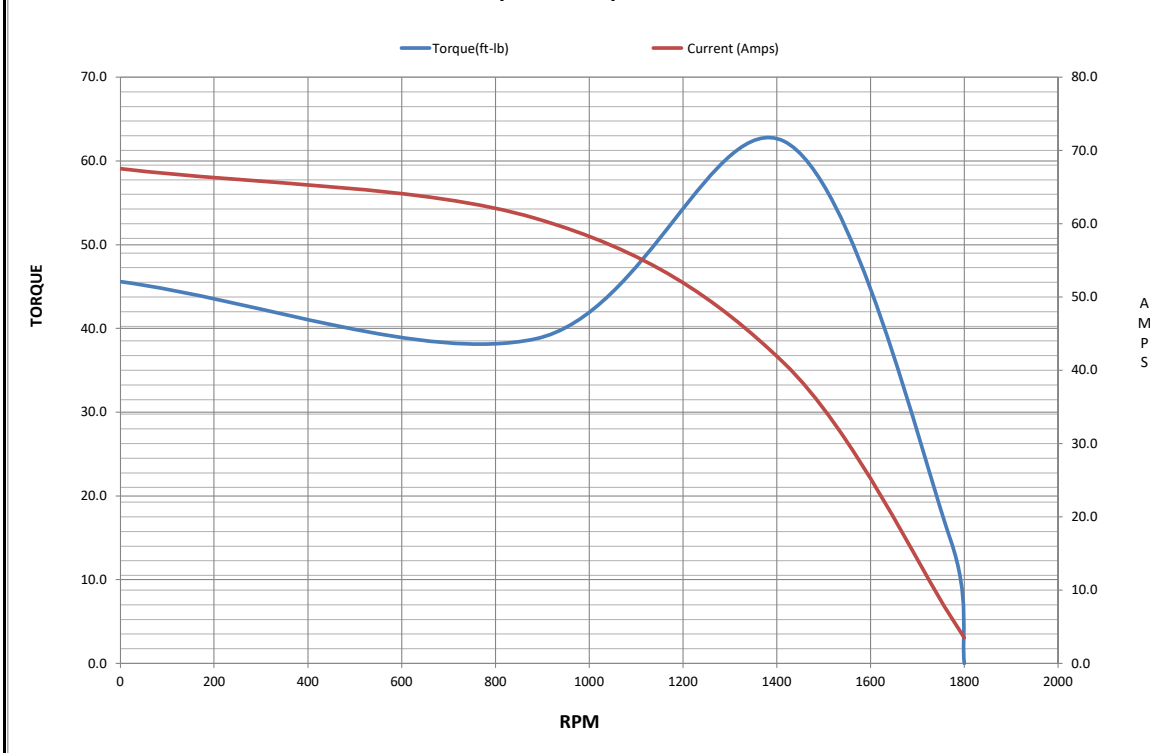
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	885	1415	1770	1800
Current (Amps)	67.5	60.8	41.0	6.5	3.5
Torque(ft-lb)	45.6	38.7	62.3	14.9	0.00

Information Block

HP	5.0			
Sync. RPM	1800			
Frame	184T			
Enclosure	DP			
Construction	TDR			
Voltage	460 V			
Frequency	60 Hz			
Design	1VT			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	HA3112(4-8)03 HS			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NA			
Outline Dwg	SS600198-200			
Conn. Diag	EE7322			
Additional Specifications:				
CATALOG # Y487B				
HIGH SPEED PERFORMANCE				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.7470	0.7600	3.0629	2.9494	77.5362



Speed - Torque Curve



Data Sheet

Date: 12/14/2021
 Customer: _____
 Attention: _____
 Submitted by: SHERYL KUEHMICHEL



184TTDBD7209

Submittal

Data @ 460 V

Motor Load Data

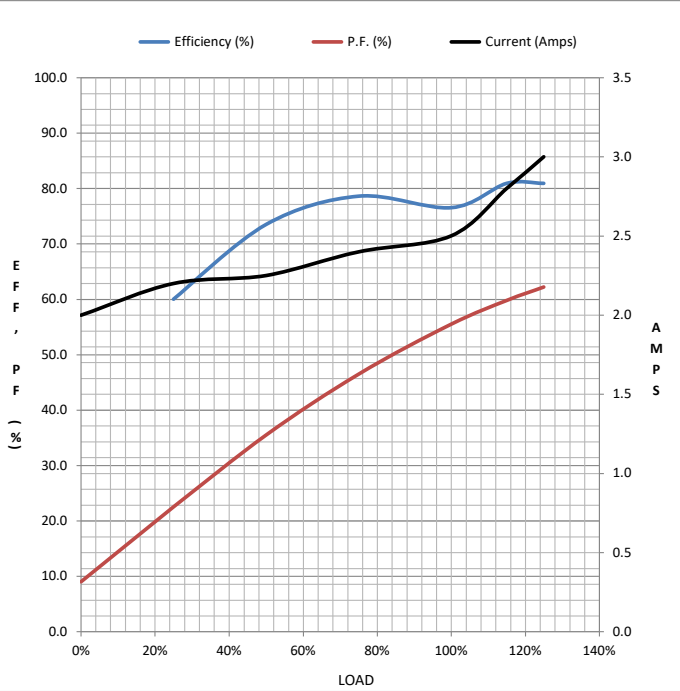
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.00	2.20	2.25	2.40	2.50	2.80	3.0	12.8
Torque(ft-lb)	0.00	1.84	3.7	5.6	7.5	8.6	9.4	13.0
RPM	900	895	890	885	880	875	872	0
Efficiency (%)		60.0	73.5	78.6	76.5	80.9	80.9	
P.F. (%)	9.0	22.5	35.5	46.5	55.5	59.8	62.2	49

Motor Speed Data

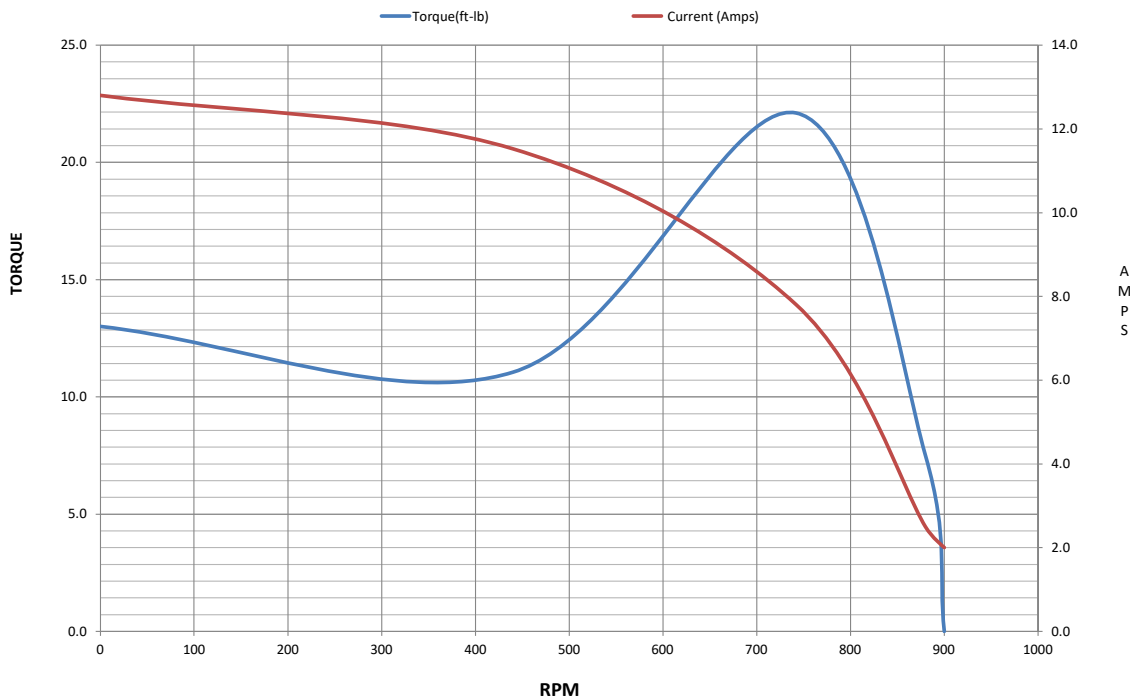
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	440	742	880	900
Current (Amps)	12.8	11.5	7.8	2.50	2.00
Torque(ft-lb)	13.0	11.1	22.1	7.5	0.00

Information Block

HP	1.25			
Sync. RPM	900			
Frame	184T			
Enclosure	DP			
Construction	TDR			
Voltage	460 V			
Frequency	60 Hz			
Design	1VT			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	70 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	HA3112(4-8)03 HS			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NA			
Outline Dwg	SS600198-200			
Conn. Diag	EE7322			
Additional Specifications:				
CATALOG # Y487B				
LOW SPEED PERFORMANCE				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
6.9888	3.4490	12.8658	15.2257	112.0935



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 : 184TTDBD7209

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

Catalog No : Y487B

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