

PRODUCT INFORMATION PACKET

Model No: 143TTTN6030

Catalog No: E300

General Purpose Motor, 1 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 143T Frame, TENV



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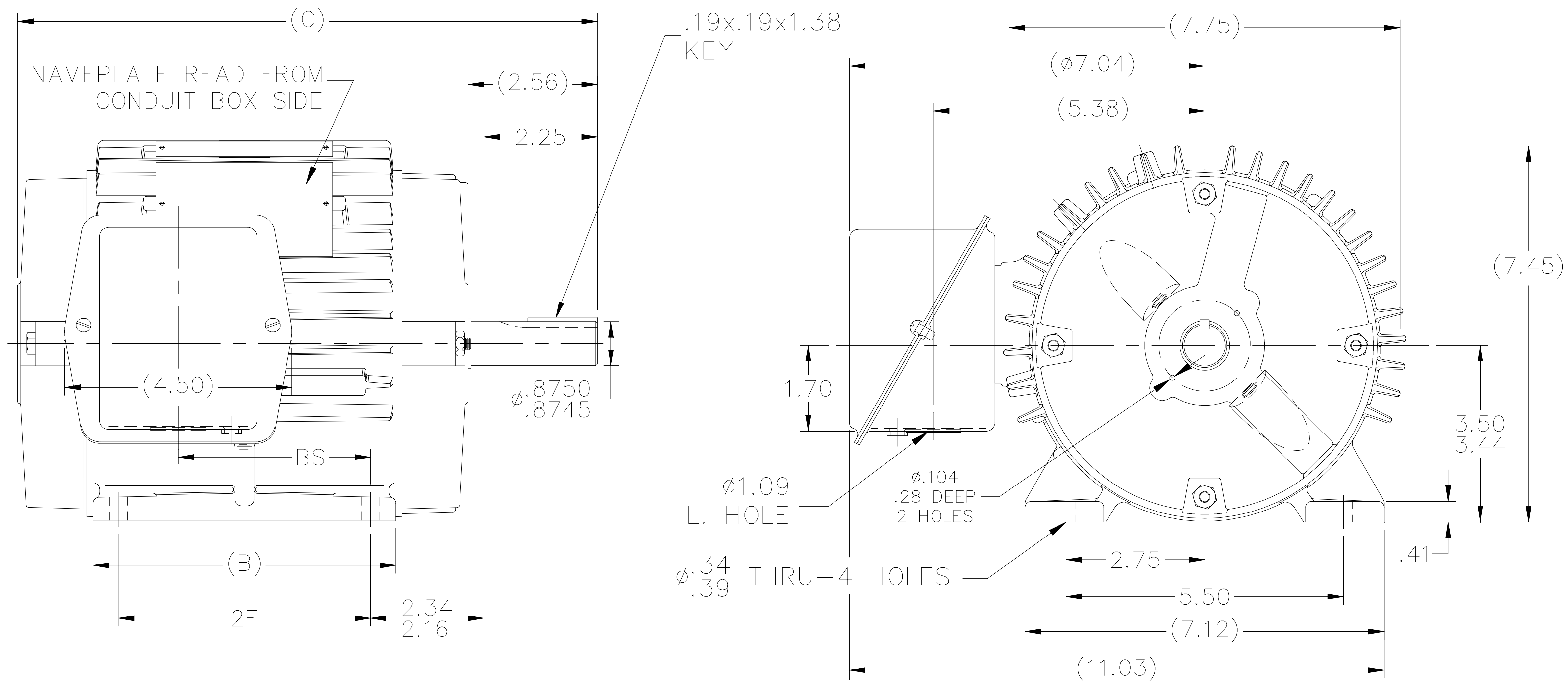
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	575 V
Current	1.2 A	Speed	1735 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Frame	143T	Enclosure	Totally Enclosed Non Ventilated
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		

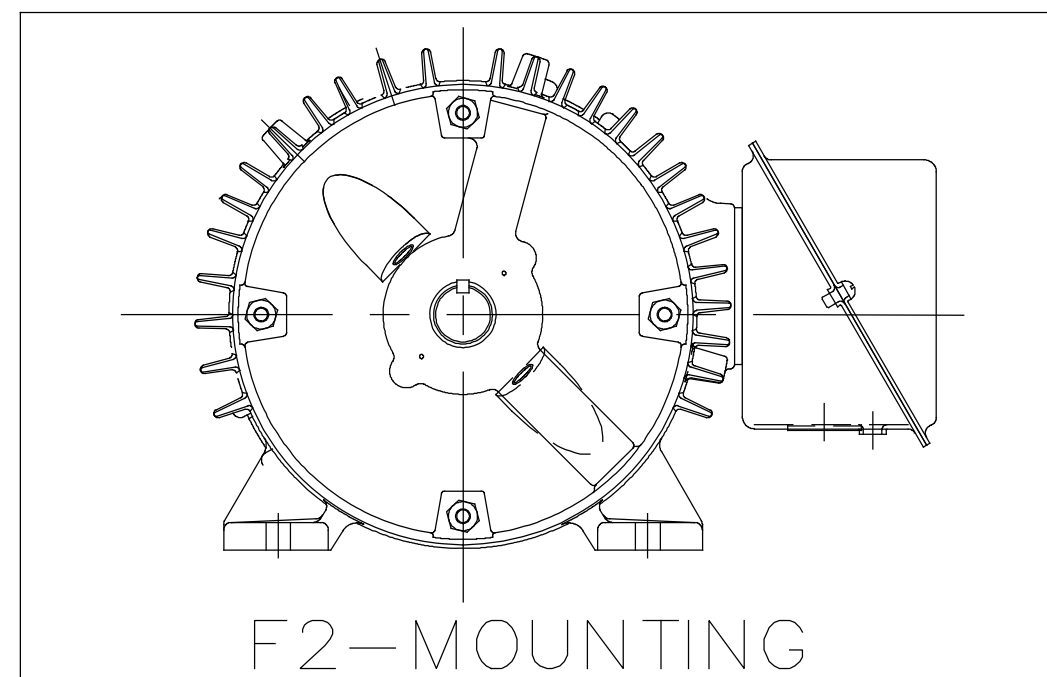
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	13.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	10.43 in
Frame Length	5.25 in	Shaft Diameter	0.875 in
Shaft Extension	2.56 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	100655-525	Connection Drawing	EE7300

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- NOTES:
 1- BOX CAN BE ROTATED IN 90° STEPS.
 2- BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3- FRONT GREASE HOLE LOCATIONS SHOWN WITH HIDDEN LINES.



DASH	FR.	B	C	BS	2F
525	143T	5.00	10.43	2.81	4.00
625	145T	6.00	11.43	3.81	5.00

NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	MAT'L.	TITLE	CAD FILE	SIZE	DRAWING NO.	PAGE	OF	REV.
11	ADDED DIA .104 HOLES ON DRAWING	UD	09/06/2018					MARATHON ELECTRIC						
10	ADDED F2-MOUNTING	PST	05/05/2014	SM	DEC.	INCHES								
9	CORRECTED FOOT MOUNTING DIMENSIONS	DRS	10-13-2005		.X	±.1								
8	REDRAWN IN AUTOCAD	TAT	06-29-2004	ML	.XX	±.03		OUTLINE						
7	BA TOLERANCE CHANGED TO ±.090 CN 27601	CAE	03-12-1999		.XXX	±.005		140T FR. - BB - TS - TENV						
6	REV. -525 BS DIM. TO 2.81, WAS 3.51 CN 25600-161	BLR	04-22-1998		.XXXX	±.0005								
				RFP					CAD FILE	100655				
				DIST	LB-WP						A			
												100655		1110

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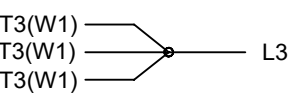
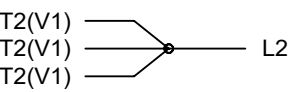
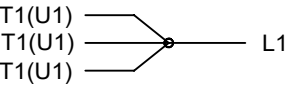
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TERMINAL BLOCK WHEN SPECIFIED

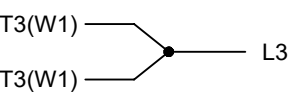
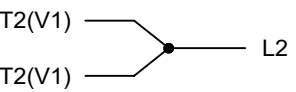
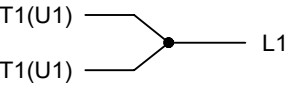
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



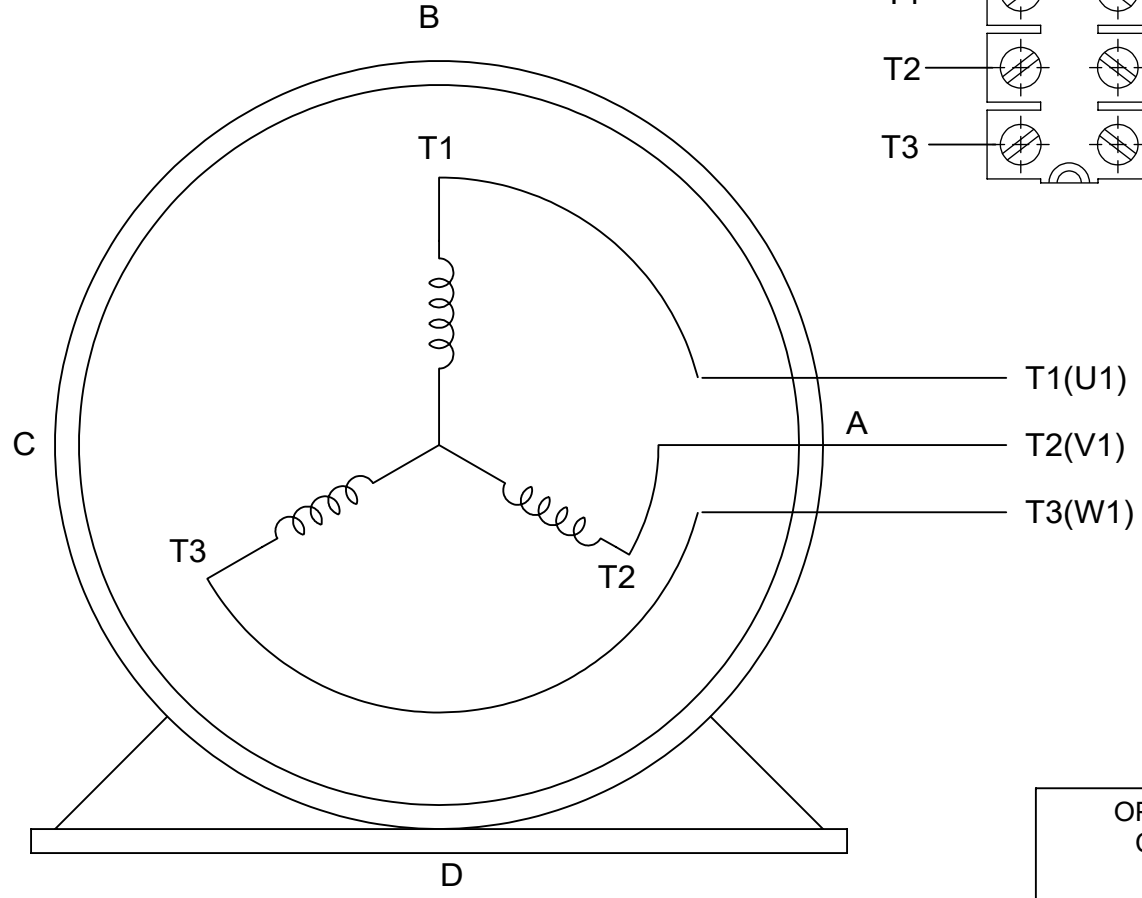
IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022
REQUEST NUMBER DESCRIPTION DRAWING UPDATED		
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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

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

CERTIFICATION DATA SHEET

Model#: 143TTTN6030 BA
CONN. DIAGRAM: A-EE7300
OUTLINE: A-100655-525

WINDING#: ZT492 TS 2
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1800	1735	143T	TENV	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	1.2	ACROSS THE LINE	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 84	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 79	3/4 LOAD PF: 67	1/2 LOAD PF: 53.5	82.5	SQ CAGE IND RUN	.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	10.8	11 LB-FT 367	14 LB-FT 467	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.1 LB-FT^2	7 LB-FT^2	20 SEC.	2	55 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 (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON
6205	6203						

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

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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

DATE: 06/23/2017 12:47:11 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 19-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



143TTTN6030

Submittal

Data @ 575 V

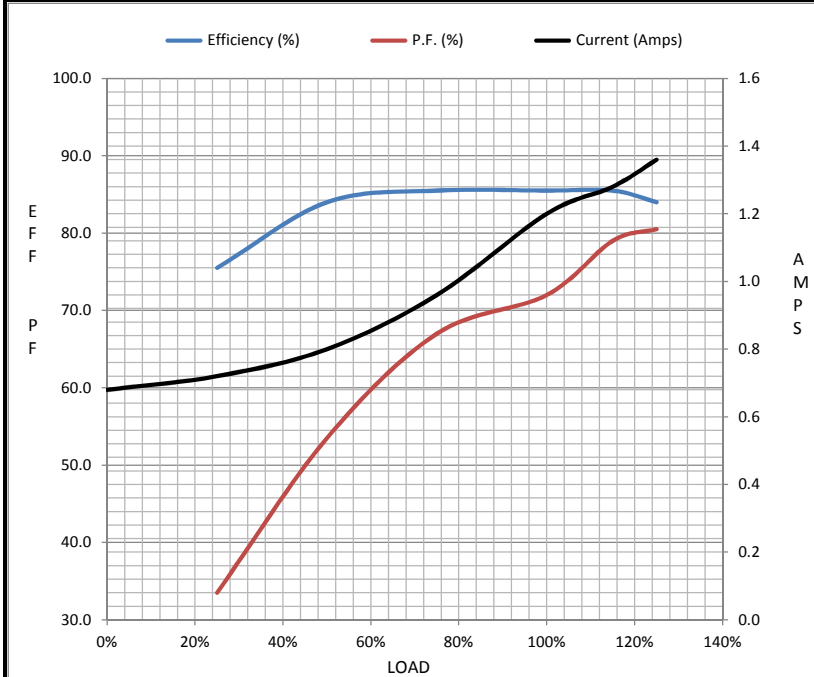
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.68	0.72	0.80	0.96	1.20	1.28	1.36	10.8
Torque (ft-lb)	0.00	0.74	1.50	2.20	3.0	3.5	3.8	11.0
RPM	1800	1785	1770	1755	1735	1,730	1725	0
Efficiency (%)		75.5	84.0	85.5	85.5	85.5	84.0	
P.F. (%)	10.0	33.5	53.5	67.0	72.0	79.0	80.5	67.0

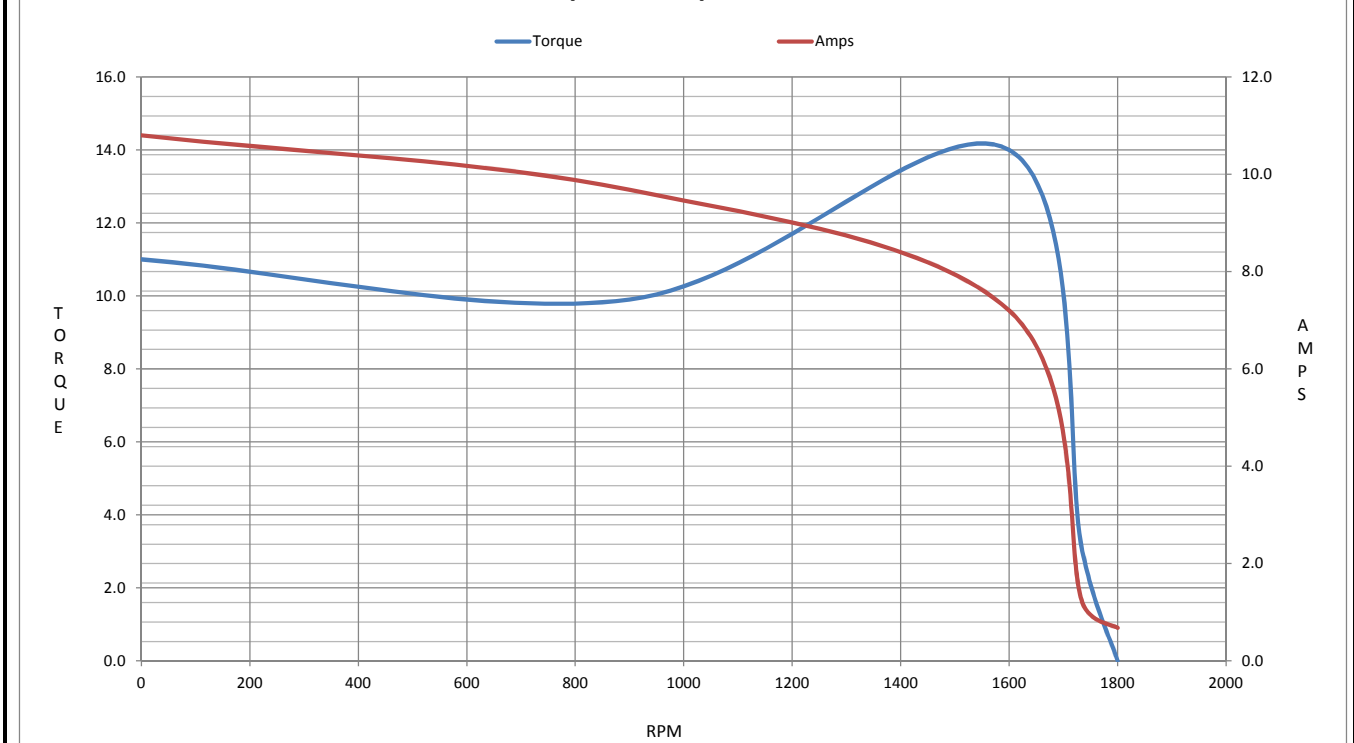
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1735	1800
Current (Amps)	10.8	9.7	7.2	1.20	0.68
Torque (ft-lb)	11.0	9.9	14.0	3.0	0.00

Information Block				
HP	1.0			
Sync. RPM	1800			
Frame	143			
Enclosure	TENV			
Construction	TTN			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.10 Lb-Ft ²			
Ref Wdg	ZT492 TS			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	A-100655-525			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
12.2830	8.5580	18.1810	16.1850	470.0440



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 : 143TTTTN6030

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

Catalog No : E300

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