PRODUCT INFORMATION PACKET

Model No: 213TTDW16060
Catalog No: U430A
General Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 213T Frame, DP

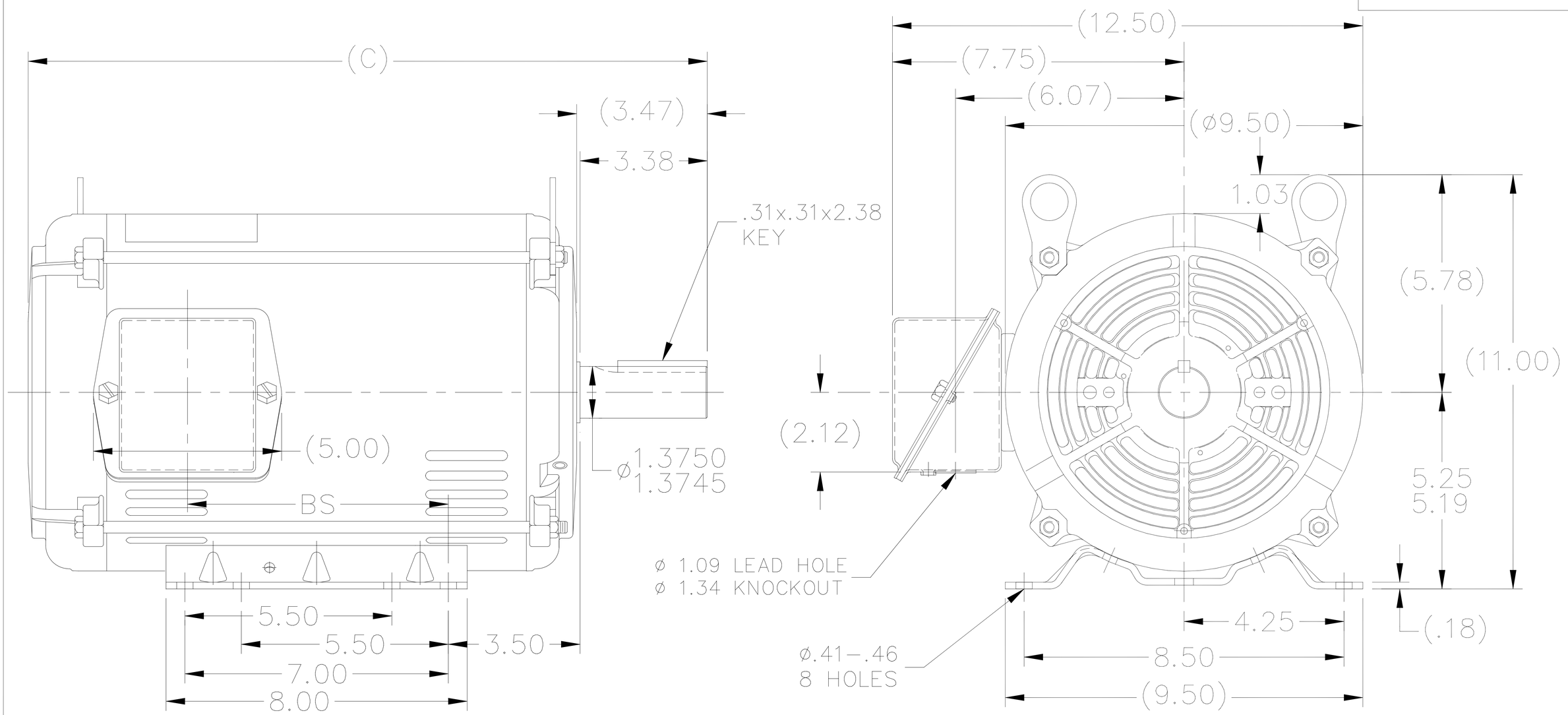
Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	19.2/9.6 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	213T	Enclosure	Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.18 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	19.29 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	A-SS86668-1240	Connection Drawing	A-EE7335

SS86668



DASH	FR.	C	BS	MOUNTING
965	213T	16.54	5.43	
1115	213/15T	18.04	6.93	
1240	213/15T	19.29	8.18	F1 ONLY
1545	215T	22.34	11.23	F1 ONLY

06-22-2004

NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

NO.	REVISION	BY & DATE	CHK
3	TITLE BLOCK CHANGE PER ECO-0078542	MDV 06/09/2015	
2	UPDATED C'BOX GEOMETRY CN 28425	BJW 03-24-2000	
1	NEW DRAWING	MRB 04-04-1997	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

REGAL™ Regal Beloit America, Inc.

TITLE OUTLINE
210T FR. – BB – TS – DR.PR.

MAT'L.

FINISH

CAD FILE SS86668

RFP

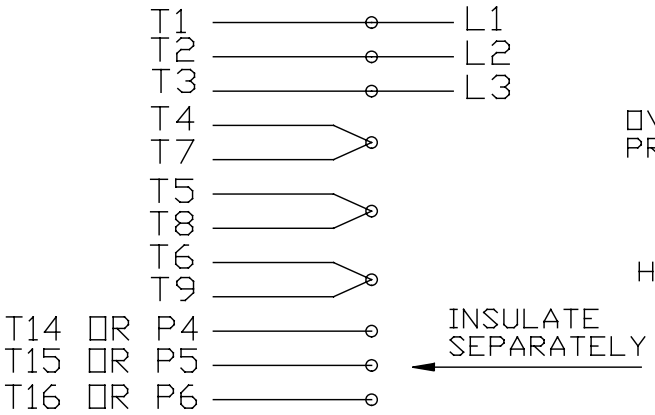
DIST LB

DRAWN	MRB	04-03-1997
CHK	ML	04-04-1997
APPD	GK	04-04-1997
SCALE		1=4
REF		
FMF		
PREV		

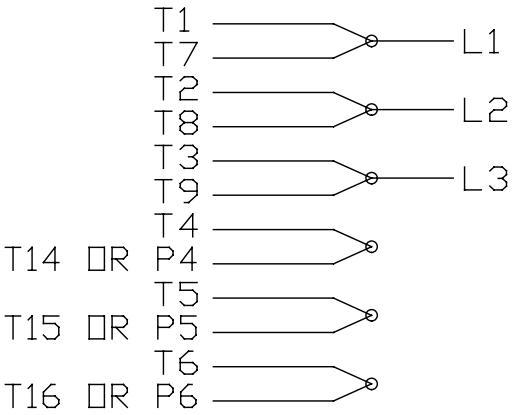
SIZE A | DRAWING NO. SS86668 | PAGE OF | REV. 3

EE7335

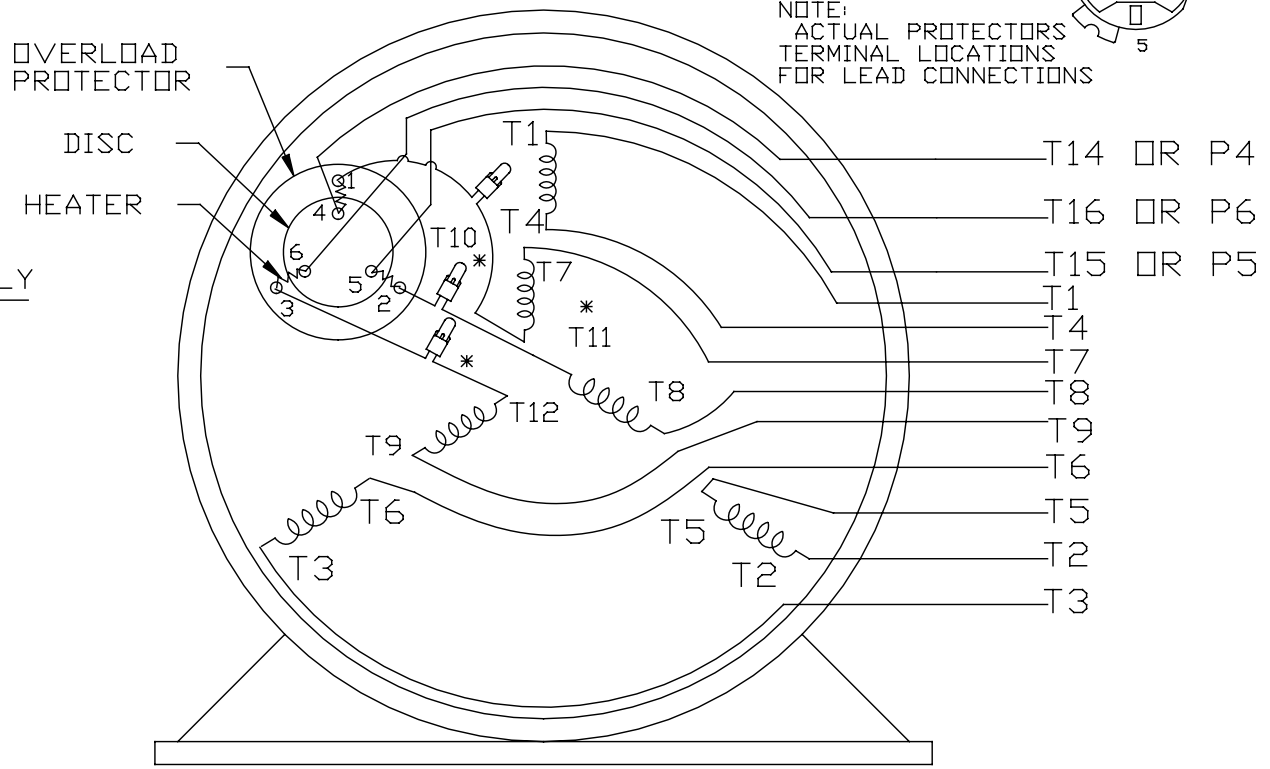
HIGH VOLTAGE CONNECTIONS



LOW VOLTAGE CONNECTIONS



THREE PHASE - DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR



VIEW OF TERMINAL END

T2K
T4D
T6AN

* USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

NO.	REVISION	BY & DATE	CHK
17	CHANGED LOGO FROM MARATHON TO REGAL	KIR 02/16/16	AB
16	PRESSURE CONNECTORS QUANTITY WAS 6	PVR 10/29/13	GR
15	PRESSURE CONNECTORS ADDED	GR 03/04/13	SR
14	ADDED ACTUAL PROCECTOR VIEW CN 17481	KL 05/18/94	
13	REDRAWN IN AUTO CAD	KL 08/11/93	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL™ Regal Beloit America, Inc.

DRAWN	KL 08-09-1993
CHK	ML 08/10/1993
APPD	GK 08/10/1993
SCALE	1=1
REF	
FMF	
PREV	

TITLE: CONNECTION DIAGRAM 3Ø-DUAL VOLT WITH OVERLOAD PROTECTOR

MAT'L.

FINISH

RFP

DIST

CAD FILE EE7335

SIZE	DRAWING NO.	REV.
A	EE7335	17

CERTIFICATION DATA SHEET

Model#:	213TTDW16060 AA	**WINDING#:**	K2134182 NONE 2
CONN. DIAGRAM:	A-EE7335	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	A-SS86668-1240		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&5	5.60&3.70	1800	1760&1470	213T	DP	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	19.2/9.6&16.4/8.2	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40	3300

FULL LOAD EFF: 91&91	3/4 LOAD EFF: 91	1/2 LOAD EFF: 89.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80&75	3/4 LOAD PF: 75	1/2 LOAD PF: 64.8	89.5	SQ CAGE IND RUN	8.2 / 4.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	127 / 63.5	51 LB-FT 227	66 LB-FT 293	22

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	0.85 LB-FT^2	50 LB-FT^2	20 SEC.	2	125 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						
BALL 6307	BALL 6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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

* NOTES *

DATE: 06/21/2017 10:04:25 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 6/29/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

213TTDW16060

Submittal

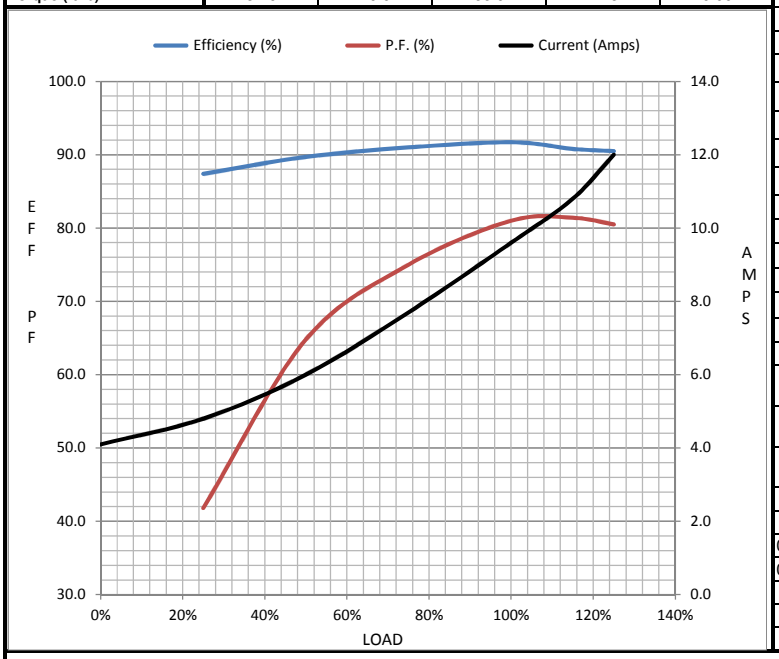
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.1	4.8	6.0	7.7	9.6	10.8	12.0	63.5	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.5	25.5	28.0	51.0	
RPM	1800	1790	1780	1775	1760	1,755	1752	0	
Efficiency (%)		87.4	89.7	91.0	91.7	90.8	90.5		
P.F. (%)	6.5	41.8	64.8	75.0	81.0	81.4	80.5	39.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	700	1605	1760	1800
Current (Amps)	63.5	55.0	37.5	9.6	4.1
Torque (ft-lb)	51.0	40.0	66.0	22.5	0.00

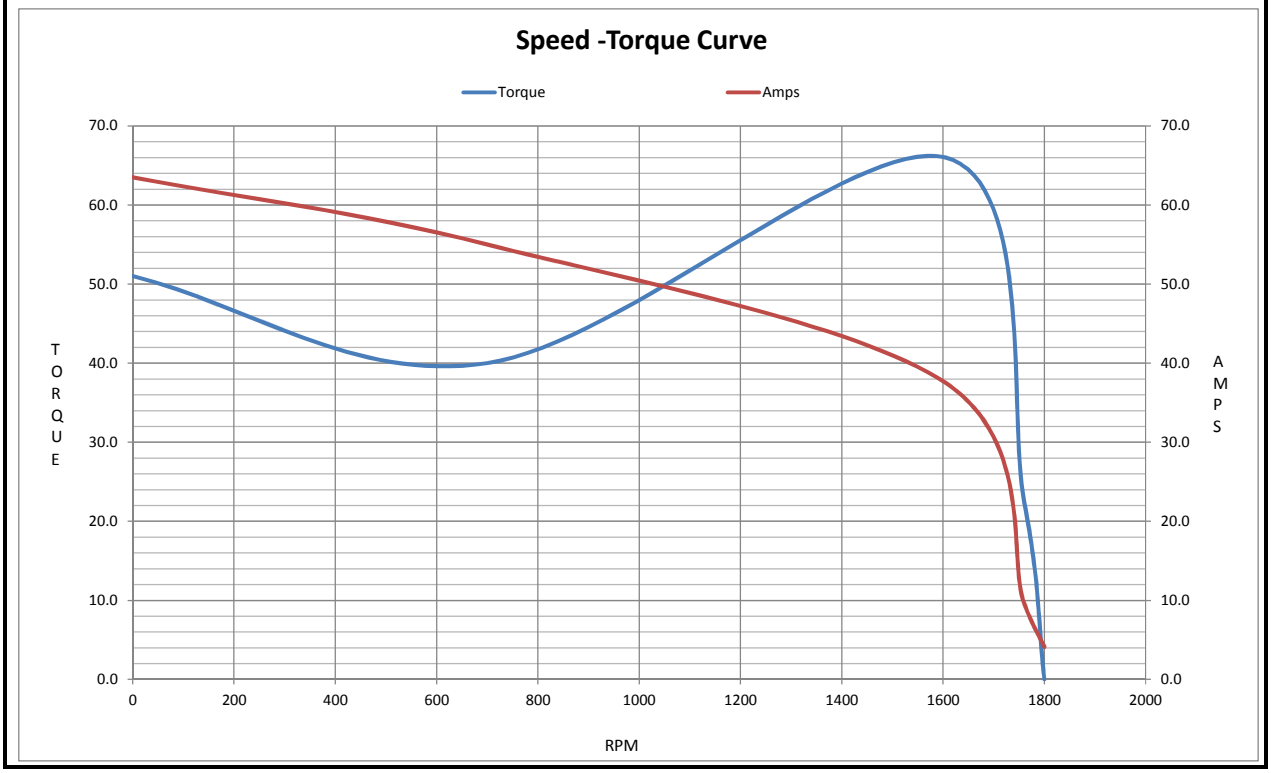


Information Block

HP	7.5
Sync. RPM	1800
Frame	213
Enclosure	DP
Construction	TDW
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	22 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.85 Lb-Ft²
Ref Wdg	K2134182 NONE
Sound Pressure @ 1M	66 dBA
VFD Rating	NONE
Outline Dwg	A-SS86668-1240
Conn. Diag	A-EE7335
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.7600	0.5590	2.6080	3.6970	57.4560



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 : 213TTDW16060

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

Catalog No : U430A

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