PRODUCT INFORMATION PACKET

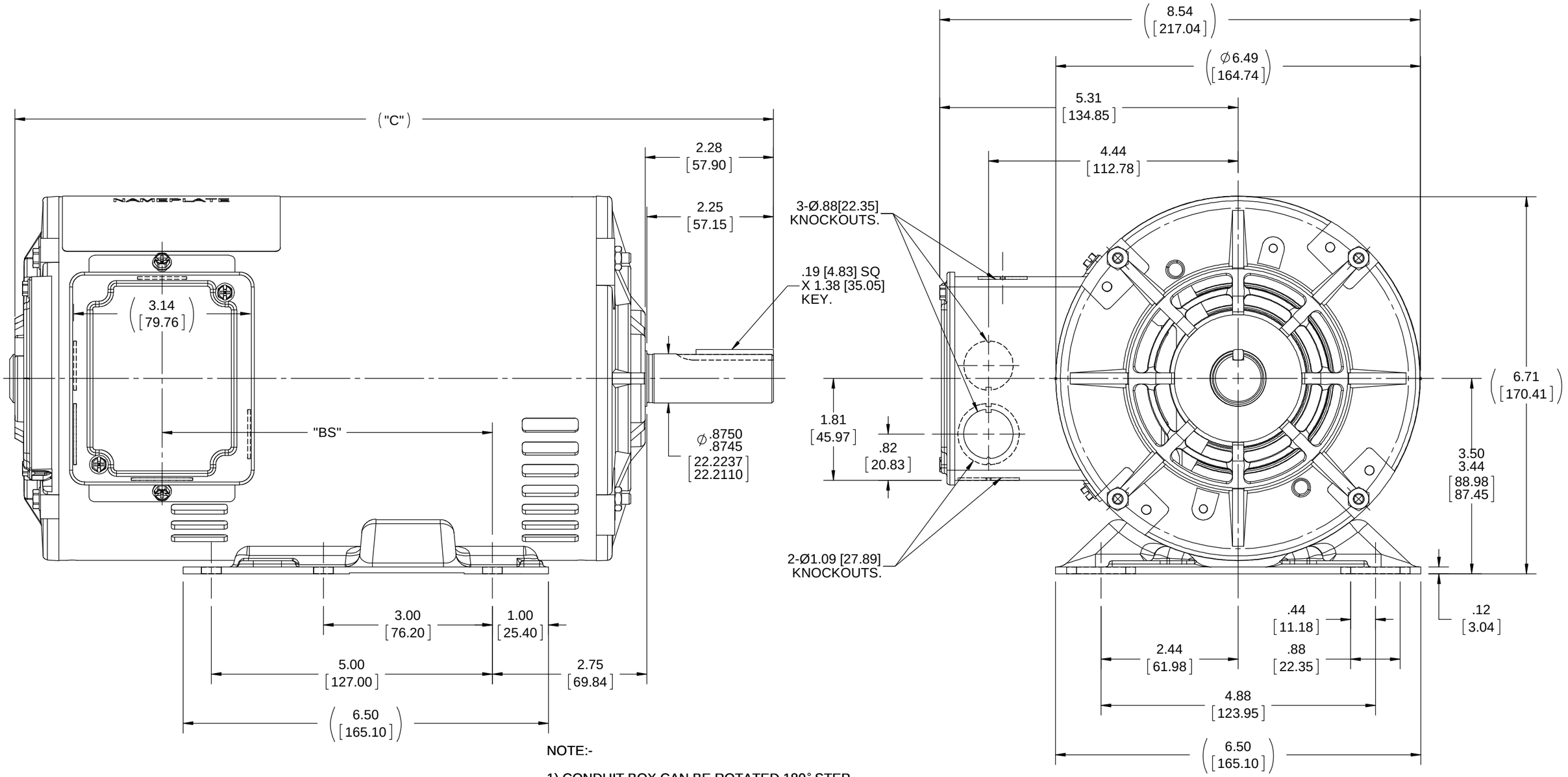
Model No: 056T34D5364
Catalog No: X251
Other Purpose Motor, 5 HP, 3 Ph, 60 Hz, 208-230/460 V, 3600 RPM, 56HZ Frame, DP

Nameplate Specifications

Phase	3	Output HP	5 Hp
Output KW	3.7 kW	Voltage	208-230/460 V
Speed	3450 rpm	Service Factor	1.0
Frame	56HZ	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	84 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	13.5-12.4/6.2 A	Power Factor	86.4
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	No	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	2	Rotation	Reversible
Resistance Main	.73 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 145T	Overall Length	13.49 in
Frame Length	9.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-108728-956	Connection Drawing	A-EE7335



NOTE:-

1) CONDUIT BOX CAN BE ROTATED 180˚ STEP.
2) NAMEPLATE READ FROM CONDUIT BOX SIDE.

DASH.	"C"	"BS/140T"
956	13.49 [342.65]	5.88 [149.35]

DRAWING REVISION	REVISION BY	DATE
A		
ECO	APPROVED BY	DATE
ECO-0148823		
ECO DESCRIPTION		
OUTLINE CONVERSION PROJECT		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45 °
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	A.SUPPANNAVAR
DATE	05/08/2018
APPROVED BY	JD
DATE	07/16/2018
REFERENCE	104452
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

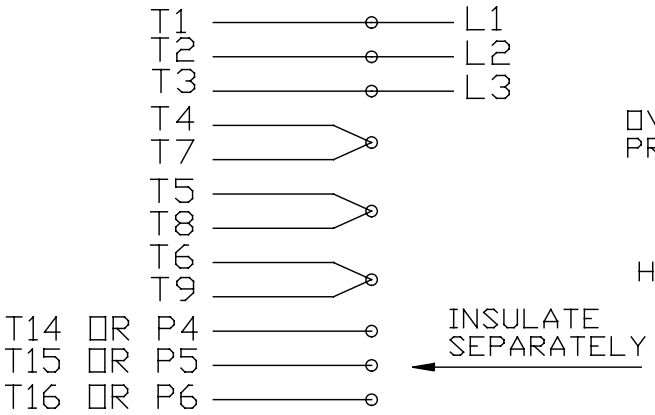
DESCRIPTION: OUTLINE
56HZ-TS-DR. PR.-BB

MATERIAL | PROCESS/FINISH

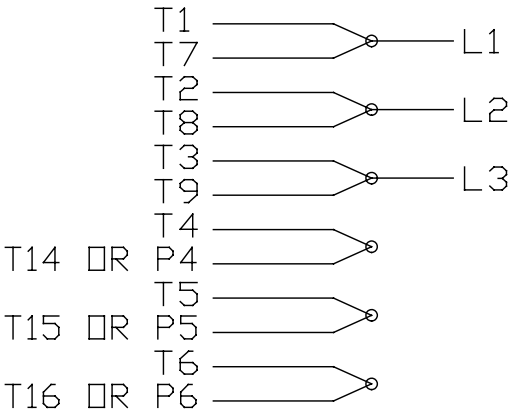
SIZE	DRAWING NUMBER	SHEET
B	108728	1 OF 1

EE7335

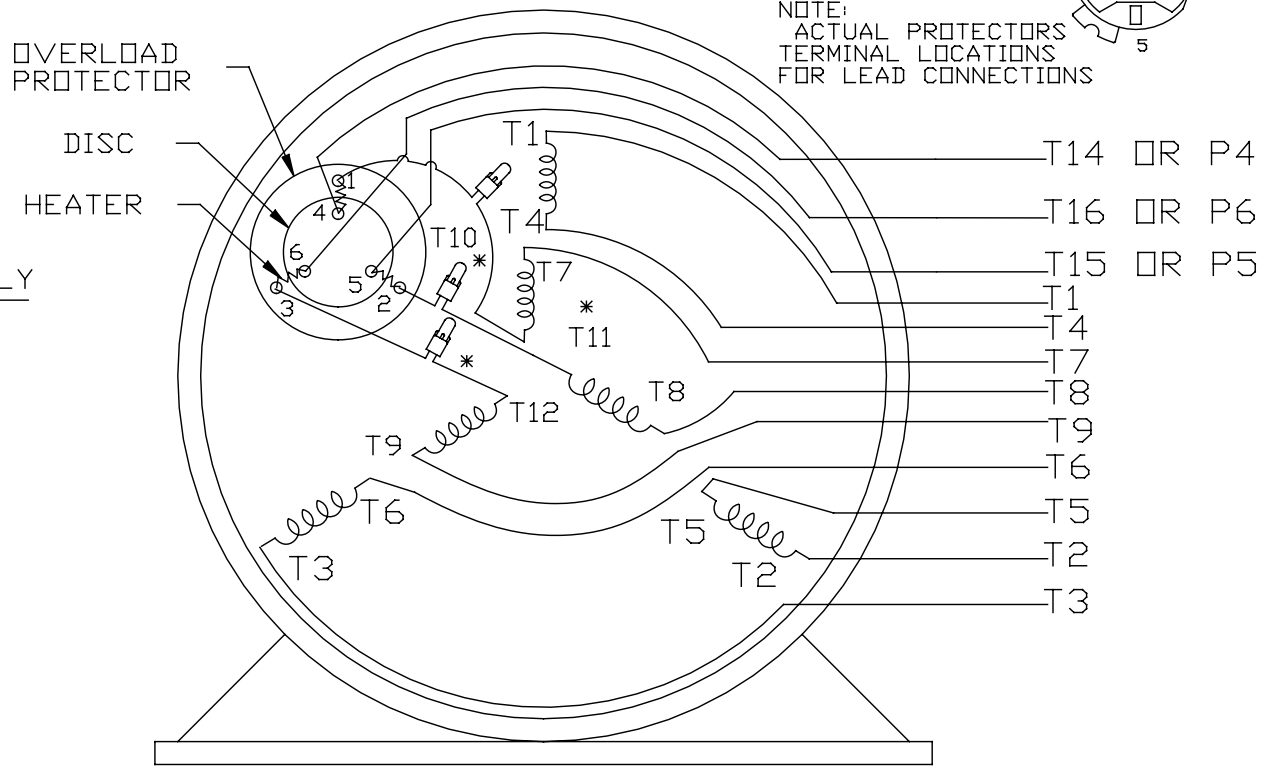
HIGH VOLTAGE CONNECTIONS



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#:	56T34D5364 D	**WINDING#:**	ZT229 NONE 3
CONN. DIAGRAM:	A-EE7335	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-104452-956		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	3600	3450	56HZ	DP	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	208-230/460	13.5-12.4/6.2	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 84	3/4 LOAD EFF: 84	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86.4	3/4 LOAD PF: 82.5	1/2 LOAD PF: 73	81.5	SQ CAGE IND RUN	4.6 / 2.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	120 / 60	26 LB-FT 347	30.5 LB-FT 407	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.07 LB-FT^2	7 LB-FT^2	10 SEC.	2	50 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	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6205	BALL 6205	POLYREX EM	56FR-140T	140T	NONE	1144 STRESSPROOF (C-223)	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

*
N
O
T
E
S
*

DATE: 06/21/2017 09:09:34 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 1/2/2019
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

LEESON

56T34D5364

Submittal

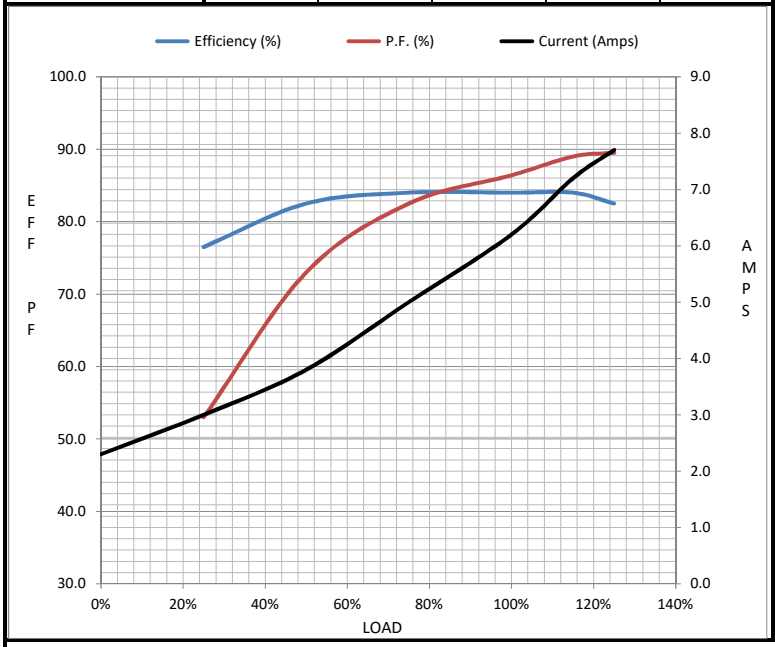
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.30	3.0	3.8	5.0	6.2	7.2	7.7	60.0	
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.8	9.5	26.0	
RPM	3600	3570	3545	3520	3490	3,470	3455	0	
Efficiency (%)		76.5	82.5	84.0	84.0	84.0	82.5		
P.F. (%)	12.0	53.0	73.0	82.5	86.4	89.0	89.5	70.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3200	3490	3600
Current (Amps)	60.0	52.0	37.0	6.2	2.30
Torque (ft-lb)	26.0	23.0	30.5	7.5	0.00



Information Block

HP	5.0	
Sync. RPM	3600	
Frame	56	
Enclosure	DP	
Construction	TS	
Voltage	208-230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	L	
Service Factor	1.0	
Temp Rise @ FL	75	° C
Duty	CONT	
Ambient	40	° C
Elevation	3300	feet
Rotor/Shaft wk²	0.07	Lb-Ft²
Ref Wdg	ZT229 NONE	
Sound Pressure @ 1M	68	dBA
VFD Rating	NONE	
Outline Dwg	A-104452-956	
Conn. Diag	A-EE7335	

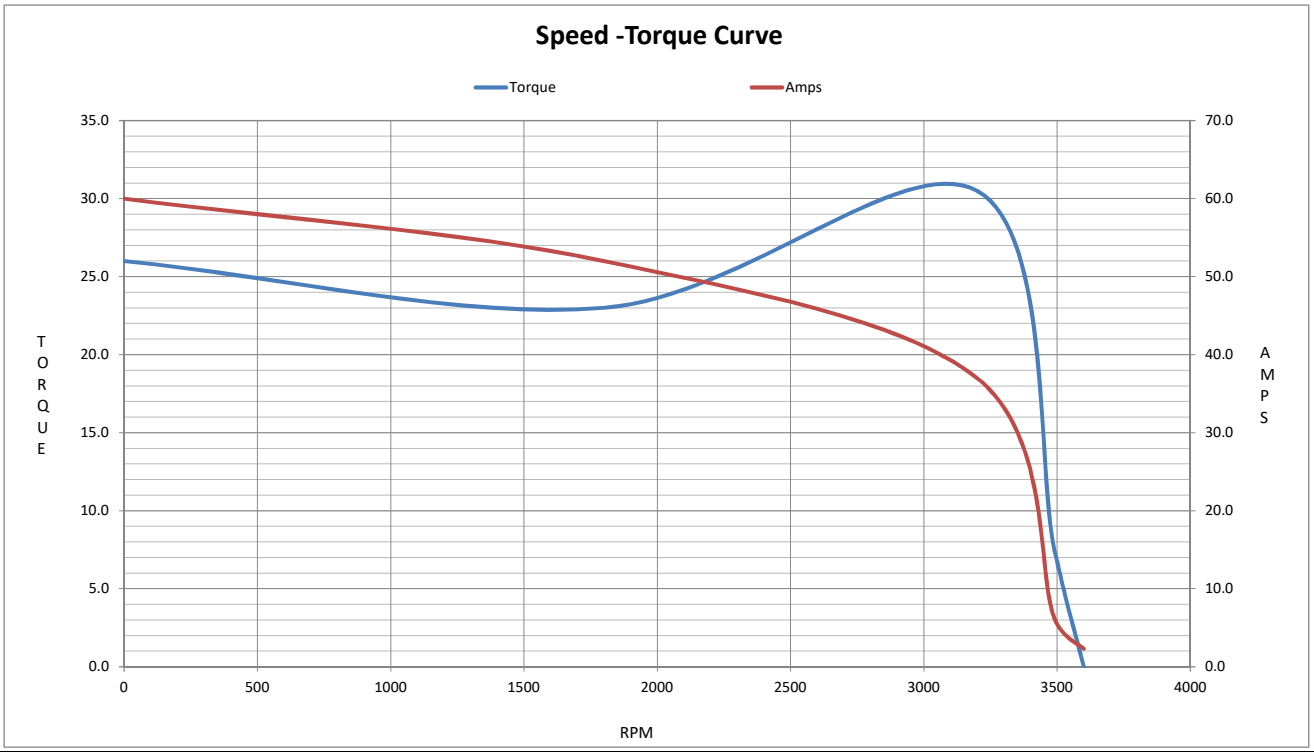
Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
2.0920	1.5030	3.0050	3.3450	119.0700



REV. NOTE - CHANGED FROM MARATHON TO LEESON LOGO - 08/04/2025

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 056T34D5364

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

Catalog No : X251

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:

Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:

Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25