

PRODUCT INFORMATION PACKET



Model No: 056T17F15640

Catalog No: G585A

General Purpose Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
56HC Frame, TEFC



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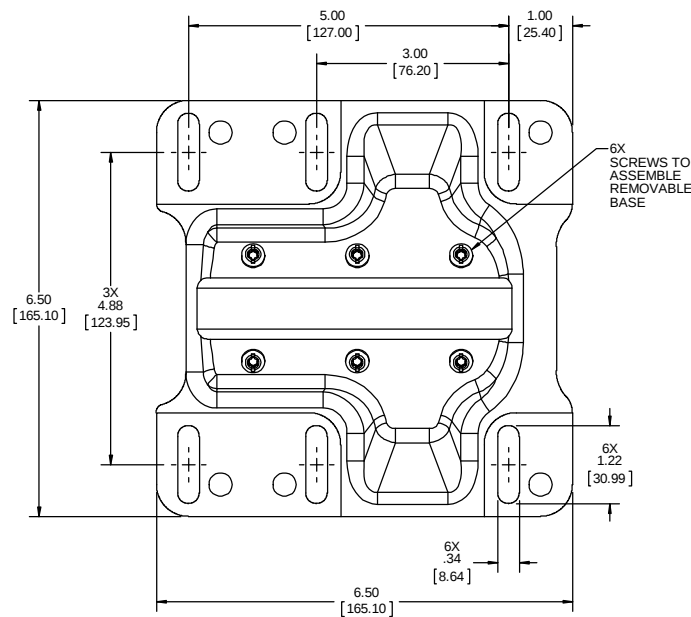
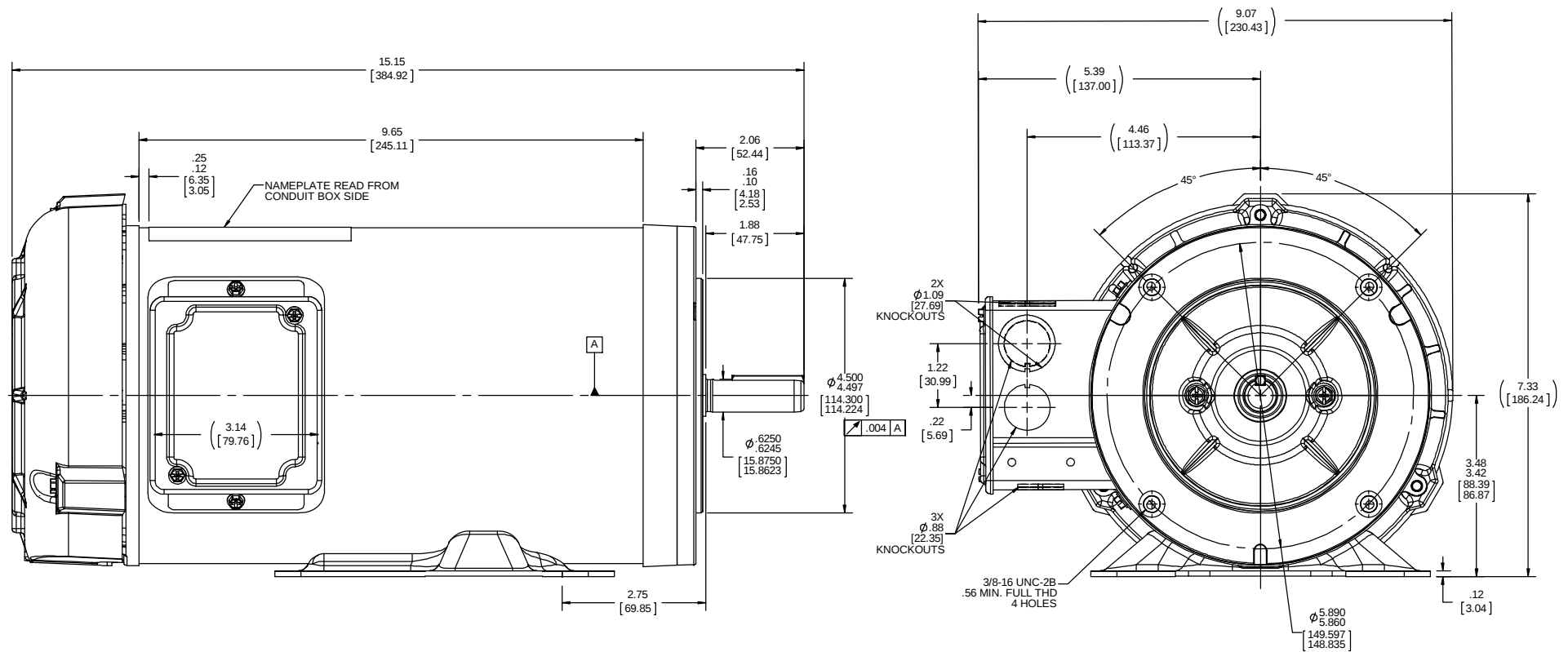


Nameplate Specifications

Phase	3	Output HP	2 & 1.50 Hp
Output KW	1.5 & 1.1 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.15
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	6/3 & 5.8/2.9 A	Power Factor	71
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
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
Mounting	Bolt-on Base	Motor Orientation	Horizontal Or Up Or Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	15.15 in	Frame Length	9.65 in
Shaft Diameter	0.625 in	Shaft Extension	1.87 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	OL56100003-003	Connection Drawing	CDTD127



DRAWING REVISION D	REVISION BY KB	DATE 10/24/18	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY F.RAMIREZ	DATE 03-30-2016	REGAL™ Regal Beloit America, Inc.
ECO ECO-0155306	APPROVED BY SN	DATE 10/24/18	DEC. INCH mm ANGLE .X ± 0.1 [2.5] $\pm 0.5^\circ$.XX ± 0.02 [0.51] .XXX ± 0.005 [0.127] .XXXX ± 0.0005 [0.0127]	APPROVED BY	DESCRIPTION OUTLINE	
ECO DESCRIPTION UPDATED MOTOR ASSEMBLY			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51]	DATE	MATERIAL	PROCESS/FINISH
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						SHEET 1 OF 1

4

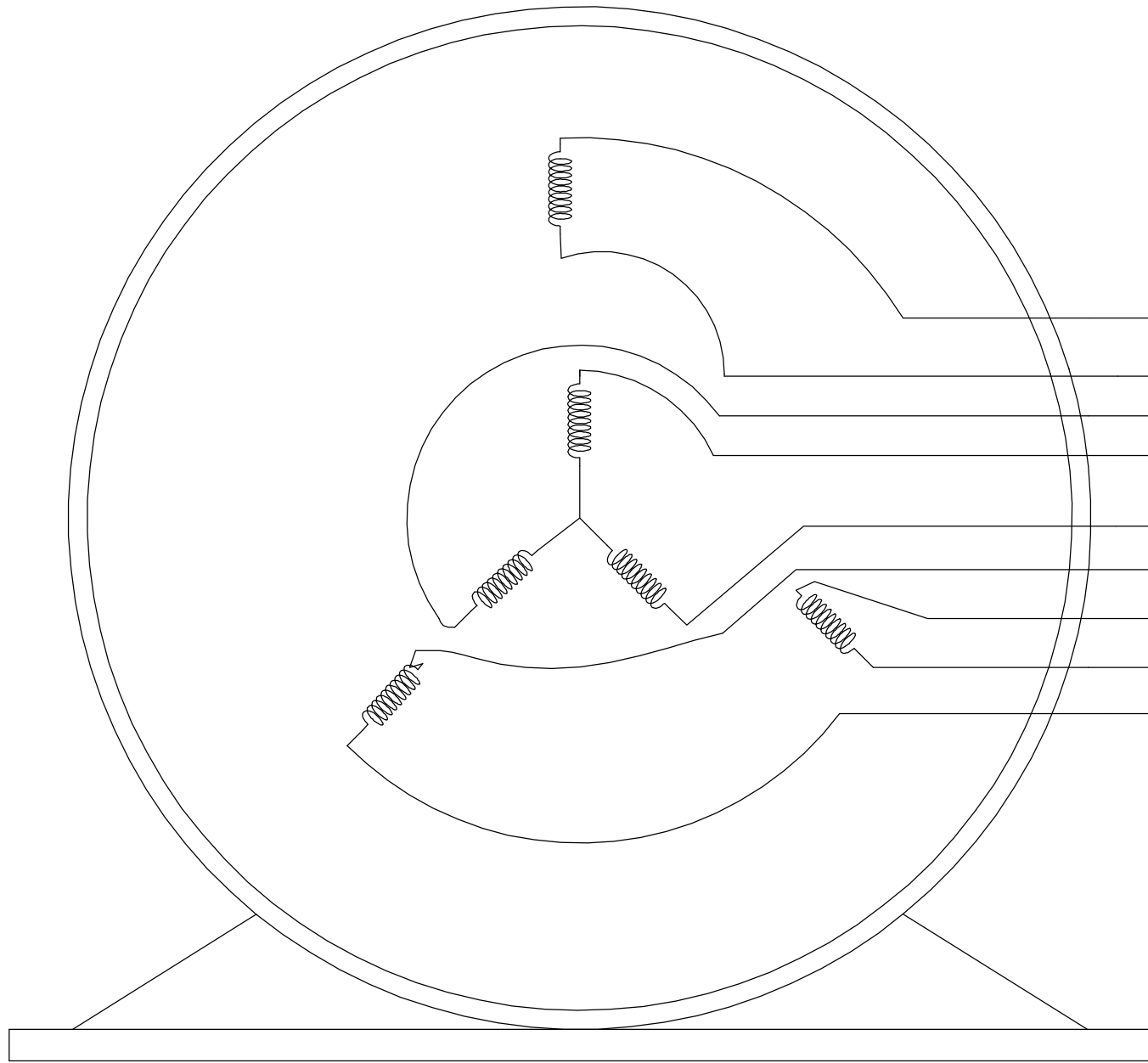
3

2

1

B

B



VIEW OF TERMINAL END

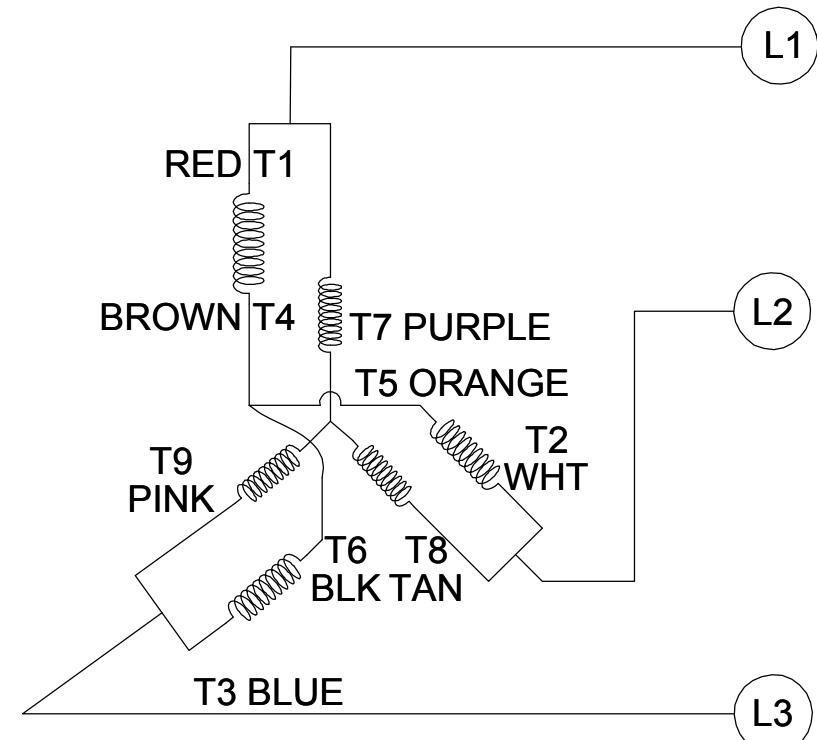
A

A

- NOTE:
1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
 2. CONNECTION DIAGRAM-NAMEPLATE
DD10123-001 - CCWLE
DD10199-001 - CWLE

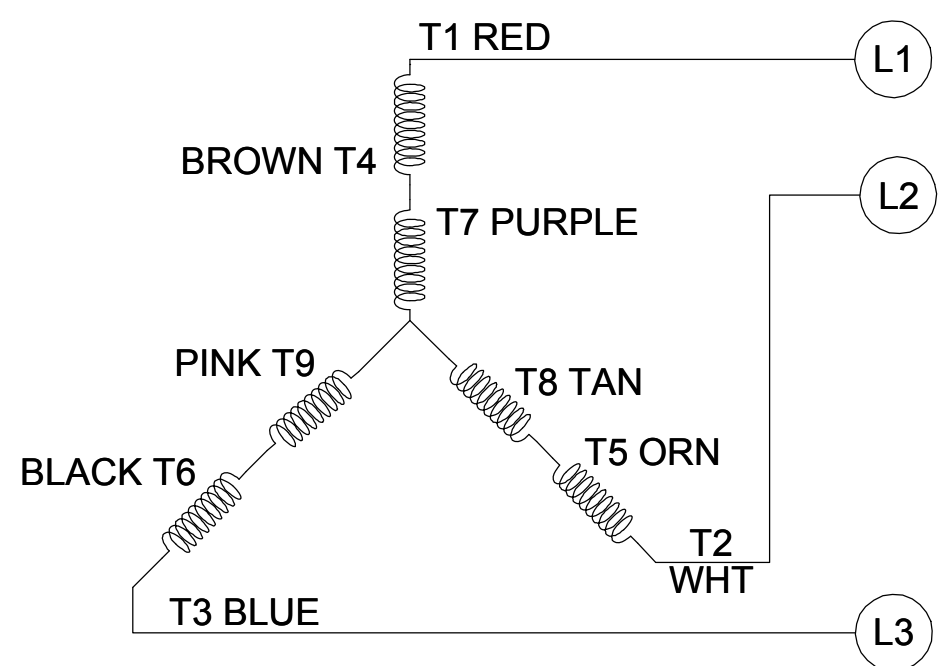
CCW LOW VOLTAGE

001



CCW HIGH VOLTAGE

002



DRAWING REVISION D		REVISION BY SHESHI		DATE 01/11/2019		TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.01 [±0.25] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/3.81] CORNER FILLETS: .02 [51] MACHINED SURFACES: 125 INCH 3.2 mm mm SHOWN IN [BRACKETS]			
ECO ECO-0159881		APPROVED BY CD		DATE 01/11/2019					
ECO DESCRIPTION ADDED DD10199-001									
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DRAWN BY G. RODRIGUEZ									
DATE 12-01-2017		APPROVED BY J. A. MORENO		DATE 12-01-2017		DRAWN BY G. RODRIGUEZ DATE 12-01-2017 APPROVED BY J. A. MORENO DATE 12-01-2017 REFERENCE CDTD103 THIRD ANGLE PROJECTION			
REFERENCE CDTD103		MATERIAL		PROCESS/FINISH					
SIZE B		DRAWING NUMBER CDTD127		SHEET 1 OF 1					

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3

2

1

CERTIFICATION DATA SHEET

Model#: 56T17F15640 A
 CONN. DIAGRAM: CDTD103
 OUTLINE: OL56100003-003

WINDING#: ZT4255 FR 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2&1 1/2	1.49&1.12	1800	1725&1425	56HC	TEFC	N	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	6/3&5.8/2.9	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&85.5	3/4 LOAD EFF: 86.5	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71&70	3/4 LOAD PF: 62	1/2 LOAD PF: 49	84	SQ CAGE IND RUN	3.8 / 1.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	61 / 30.5	24.5 LB-FT 408	33.2 LB-FT 553	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.14 LB-FT^2	12 LB-FT^2	15 SEC.	2	65 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL OR UP OR DOWN	FALSE	NONE	PROVISIONS ONLY	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL
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

INVERTER TORQUE: NONE			
INV. HP SPEED RANGE: NONE			
ENCODER: NONE			
NONE NONE			
NONE NONE PPR			
BRAKE:	PROVISIONS FOR KIT	NONE	
NONE	P/N NONE		
NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

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DATE: 06/28/2017 07:06:51 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



56T17F15640

Submittal

Data @ 460 V

Motor Load Data

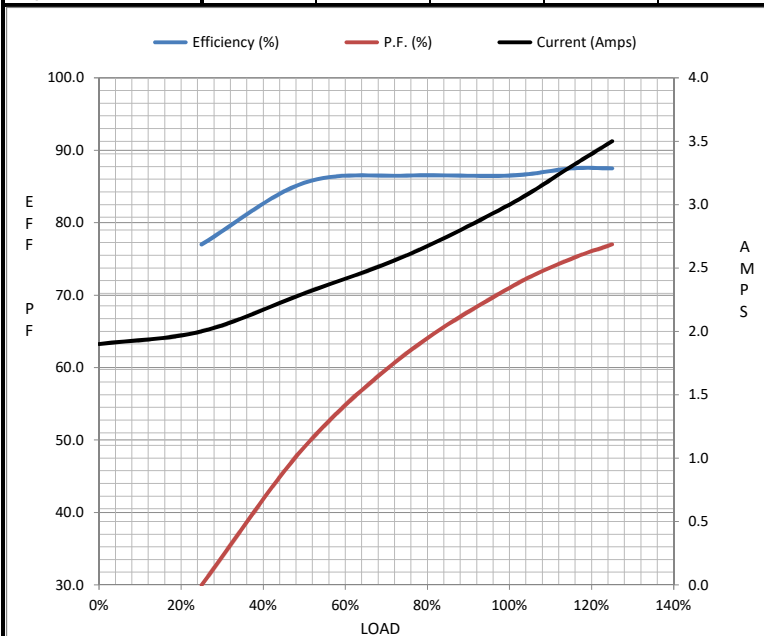
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.90	2.00	2.30	2.60	3.0	3.3	3.5	30.5	
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.9	7.5	24.5	
RPM	1800	1790	1780	1770	1760	1,755	1750	0	
Efficiency (%)		77.0	85.5	86.5	86.5	87.5	87.5		
P.F. (%)	7.0	30.0	49.0	62.0	71.0	75.0	77.0	71.0	

Motor Speed Data

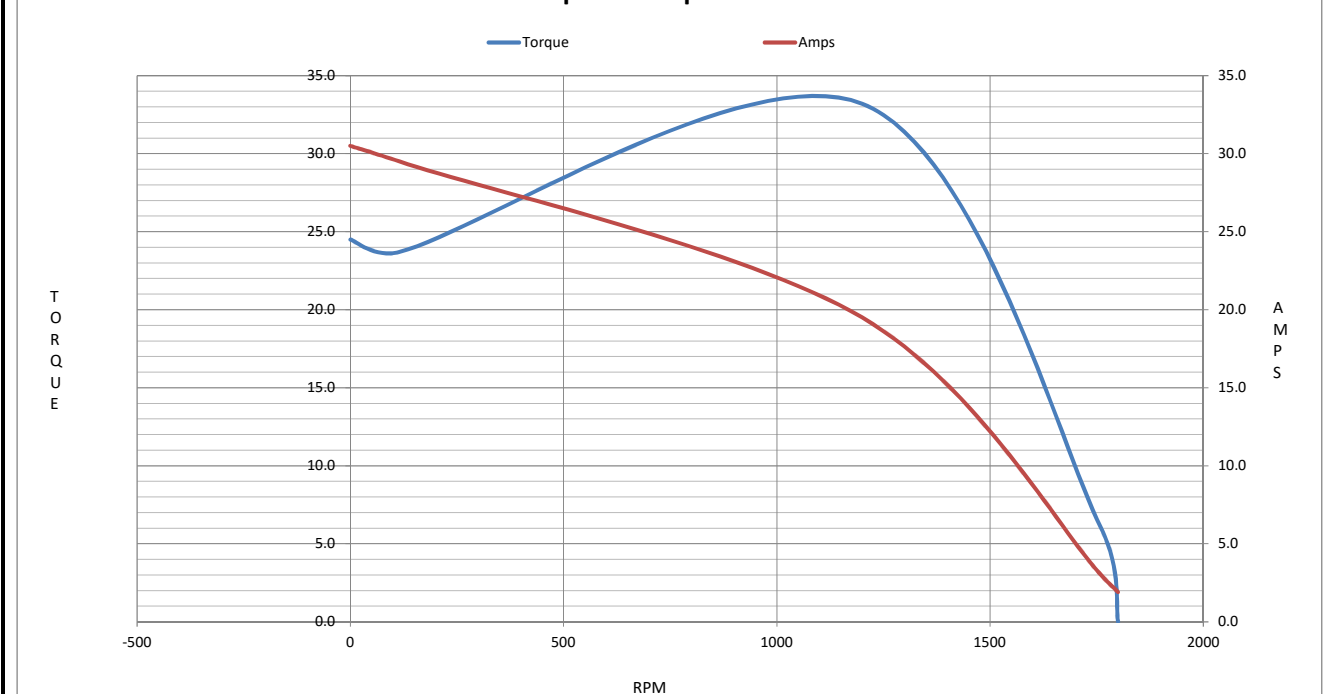
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	115	1200	1760	1800
Current (Amps)	30.5	29.5	19.5	3.0	1.90
Torque (ft-lb)	24.5	23.7	33.2	6.0	0.00

Information Block

HP	2.0			
Sync. RPM	1800			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	45	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	3300	feet		
Rotor/Shaft wk²	0.14	Lb-Ft²		
Ref Wdg	ZT4255 FR			
Sound Pressure @ 1M	62	dBA		
VFD Rating	NONE			
Outline Dwg	OL56100003-003			
Conn. Diag	CDTD103			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.9620	3.0100	5.7510	5.9360	160.3460



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 : 056T17F15640

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

Catalog No : G585A

Rework No : N/A

Directives :

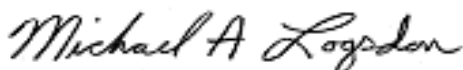
Low Voltage Directive 2014/35/EU

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