

PRODUCT INFORMATION PACKET



Model No: 145TTDR16337

Catalog No: GT2307

Close-Coupled Pump Motor, 2 HP, 3 Ph, 60 Hz, 200 V, 1800 RPM, 145JP Frame, DP



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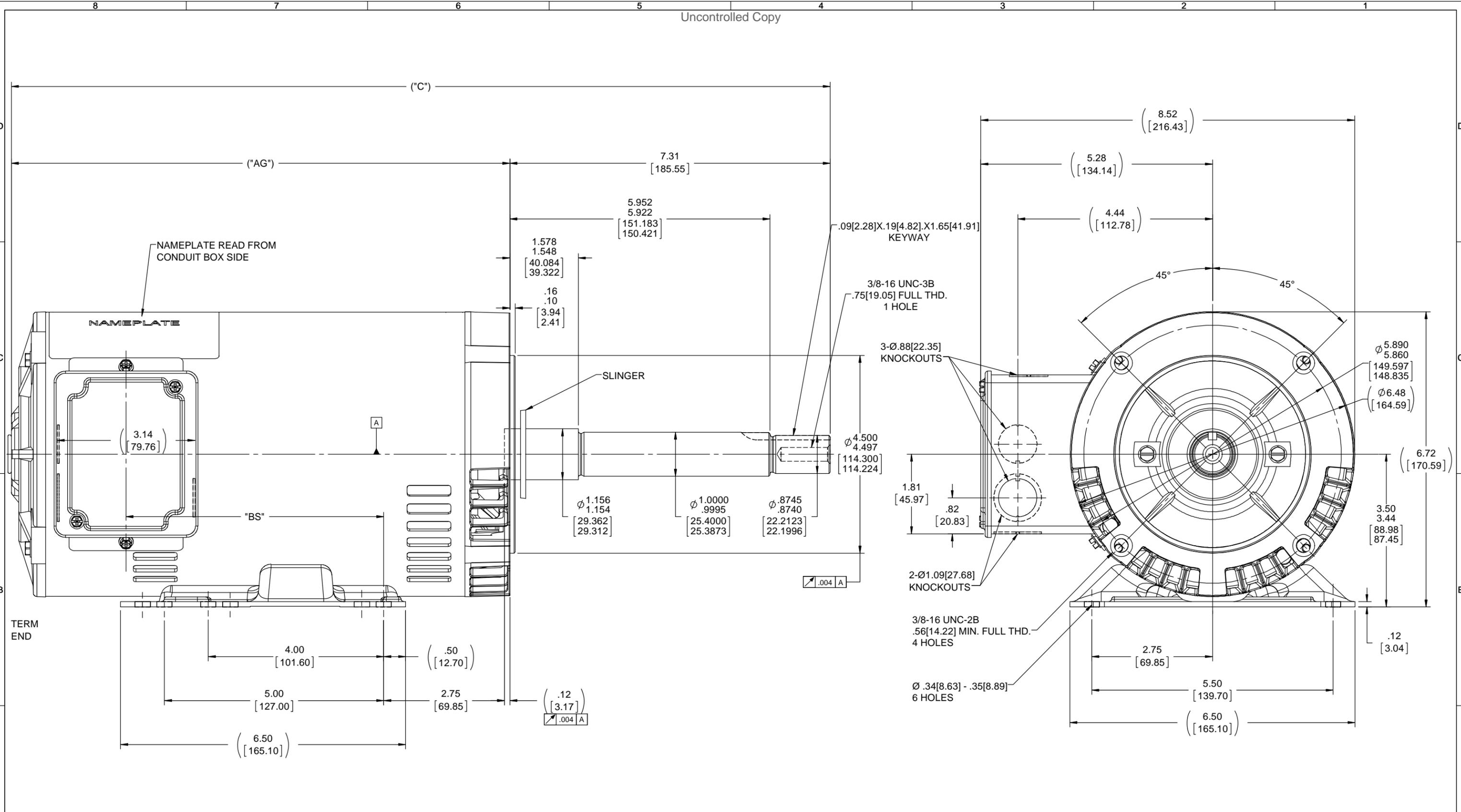


Nameplate Specifications

Phase	3	Output HP	2 Hp
Output KW	1.5 kW	Voltage	200 V
Speed	1750 rpm	Service Factor	1.15
Frame	145JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	86.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	6.9 A	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6.4 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	18.68 in
Frame Length	9.56 in	Shaft Diameter	0.875 in
Shaft Extension	7.31 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Outline Drawing	A-108590-956	Connection Drawing	A-EE7300



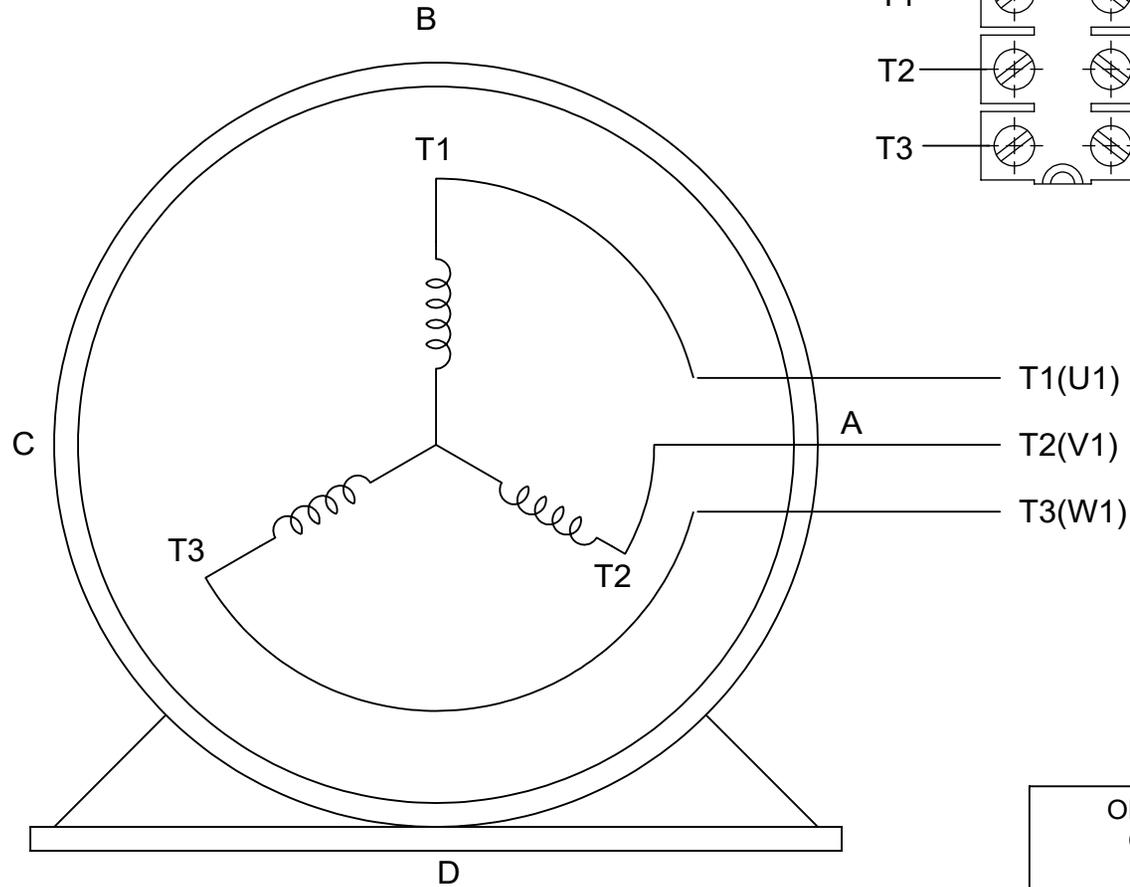
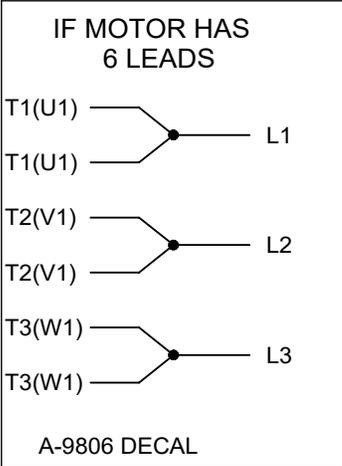
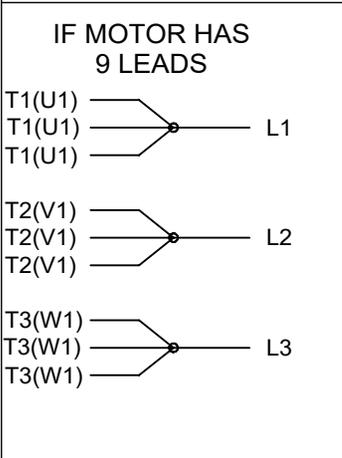
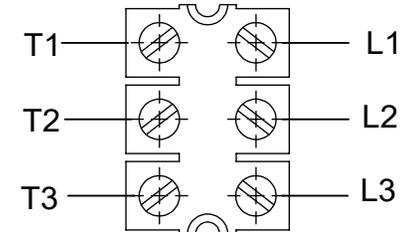
NOTES:
CONDUIT BOX CAN BE ROTATED IN 180° STEPS.

DRAWING REVISION A	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [2.5] 27 30° .XX ±0.03 [0.76] .XXX ±0.005 [0.127] XXXX ±0.0005 [0.0127]	DRAWN BY A. KEETHA	DATE 02/27/2018	APPROVED BY PST	DATE 05/18/2018	REFERENCE 100132	THIRD ANGLE PROJECTION	SIZE D	DRAWING NUMBER 108590	SHEET 1 OF 1
ECO-0136108			OUTLINE CONVERSION PROJECT			140 FR.-BB-DR.PR.-3Ø-C' FACE-JP EXT.			Regal Beloit America, Inc.			
DASH NO. 956	"C" 18.67 [474.21]	"AG" 11.37 [288.79]	"BS" 5.87 [149.09]									

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

TERMINAL BLOCK WHEN SPECIFIED

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



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
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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

Data Sheet

Date: 6/19/2017

145TTDR16337

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 200 V

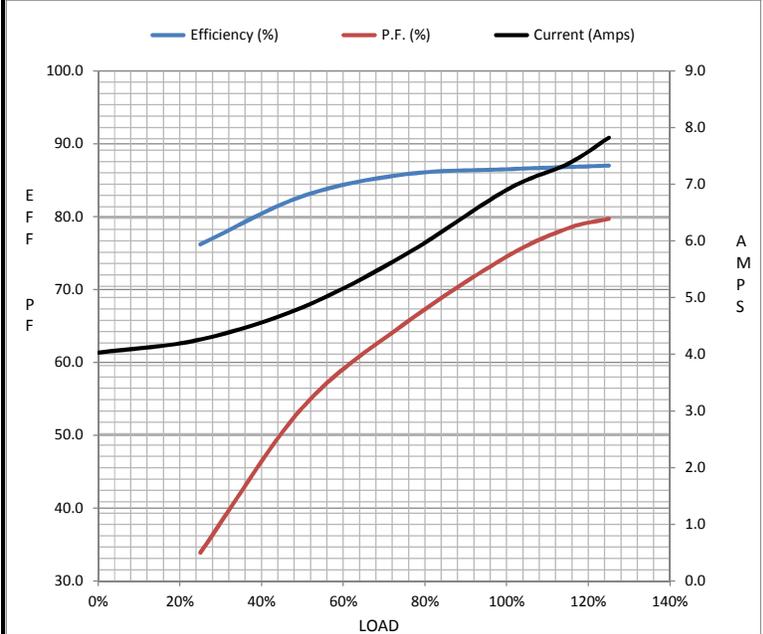
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	4.0	4.3	4.8	5.8	6.9	7.4	7.8	65.3
Torque (ft-lb)	0.00	1.50	2.95	4.5	6.0	7.0	7.6	24.1
RPM	1800	1789	1778	1765	1750	1,745	1740	0
Efficiency (%)		76.2	82.8	85.8	86.5	86.8	87.0	
P.F. (%)	7.9	33.9	53.8	65.3	74.5	78.4	79.7	71.5

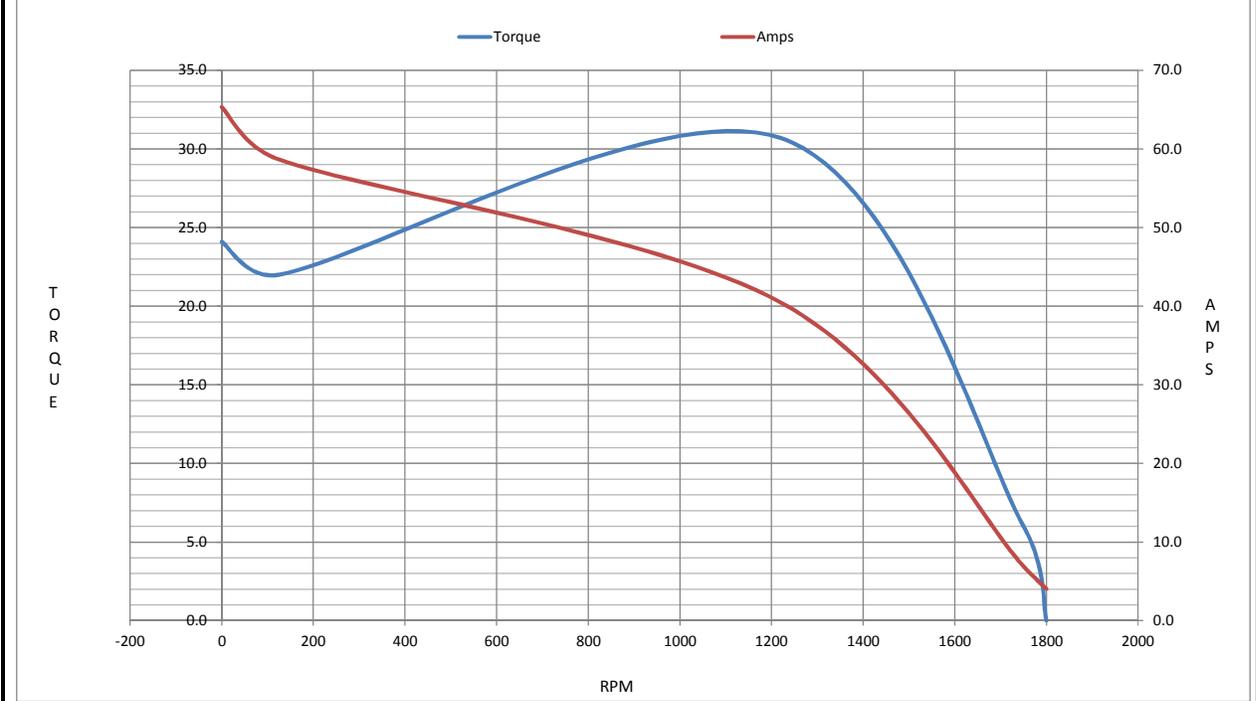
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	125	1220	1750	1800
Current (Amps)	65.3	58.7	40.5	6.9	4.0
Torque (ft-lb)	24.1	22.0	30.7	6.0	0.00

Information Block				
HP	2.0			
Sync. RPM	1800			
Frame	56			
Enclosure	DP			
Construction	TDR			
Voltage	200 V			
Frequency	60 Hz			
Design	A			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	38 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.09 Lb-Ft ²			
Ref Wdg	ZT4260 NONE			
Sound Pressure @ 1M	56 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	A-100132-956			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.7780	0.6170	1.1810	1.0740	30.8700



Speed -Torque Curve



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 : 145TTDR16337

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

Catalog No : GT2307

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