

PRODUCT INFORMATION PACKET

Model No: 256TTDBD7263

Catalog No: Y457A

Multispeed Motor, 10 & 4.44 HP, 3 Ph, 60 & 60 Hz, 200-230 & 200-230 V, 1800 & 1800 RPM, 256T Frame, DP



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Nameplate Specifications

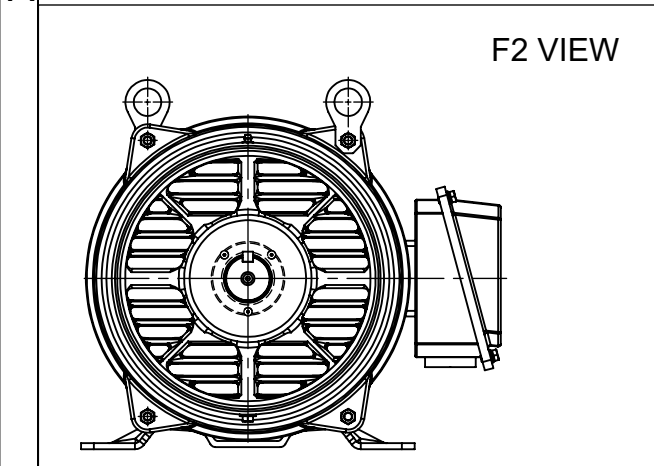
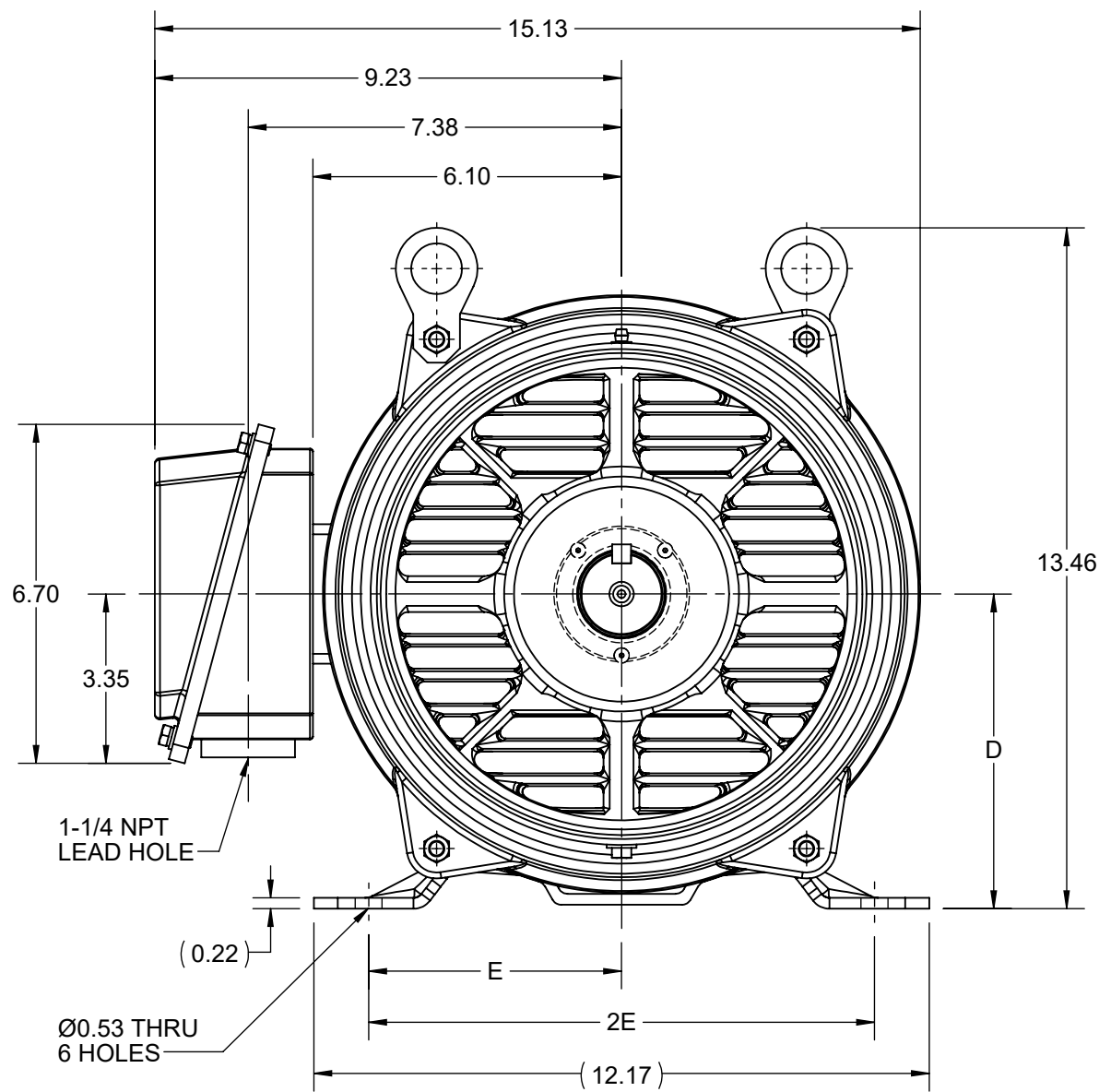
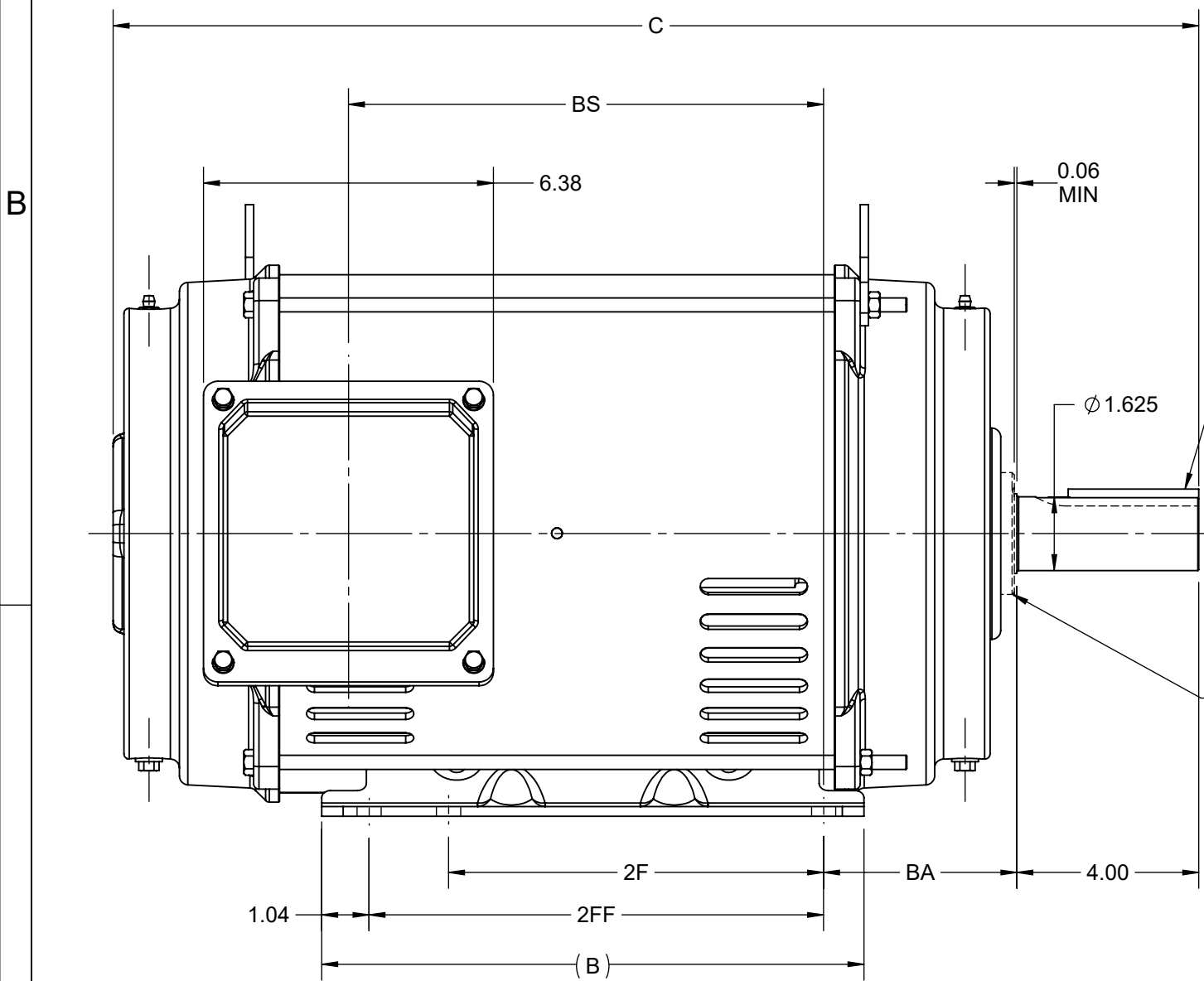
Phase	3	Output HP	10 & 4.44 Hp
Output KW	7.5 & 3.3 kW	Voltage	200-230 & 200-230 V
Speed	1785 & 1185 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	89.5 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	32-28 & 13.5-12.5 A	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	2VT	KVA Code	M
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	2		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4//6	Rotation	Reversible
Resistance Main	.2628 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620685-200	Connection Drawing	EE7317

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4				3				2		1	
DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	11.93	22.31	6.25	5.00	10.00	8.25	10.00	4.25	8.82	F1 OR F2	254T
200		23.88							10.45		256T

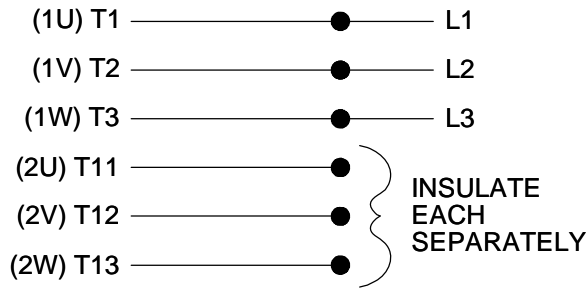


DRAWING REVISION C	REVISION BY GOPI J	REV DATE/© DATE 08/02/2022
REQUEST NUMBER CR-0006810	APPROVED BY SBD	DATE 08/02/2022
REQUEST NUMBER DESCRIPTION VIEWS UPDATED AS PER 3D		
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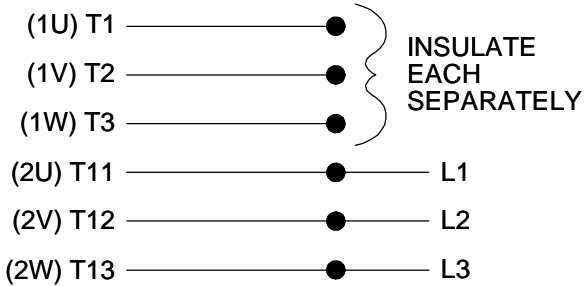
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY XZ	Regal Rexnord Regal Beloit America, Inc.	
DATE 25/02/2016	DESCRIPTION OUTLINE 254/256T FR NEMA ODP RS	
APPROVED BY	MATERIAL	PROCESS/FINISH
DATE	SIZE B	DRAWING NUMBER SS620685
REFERENCE	THIRD ANGLE PROJECTION	SHEET 1 OF 1

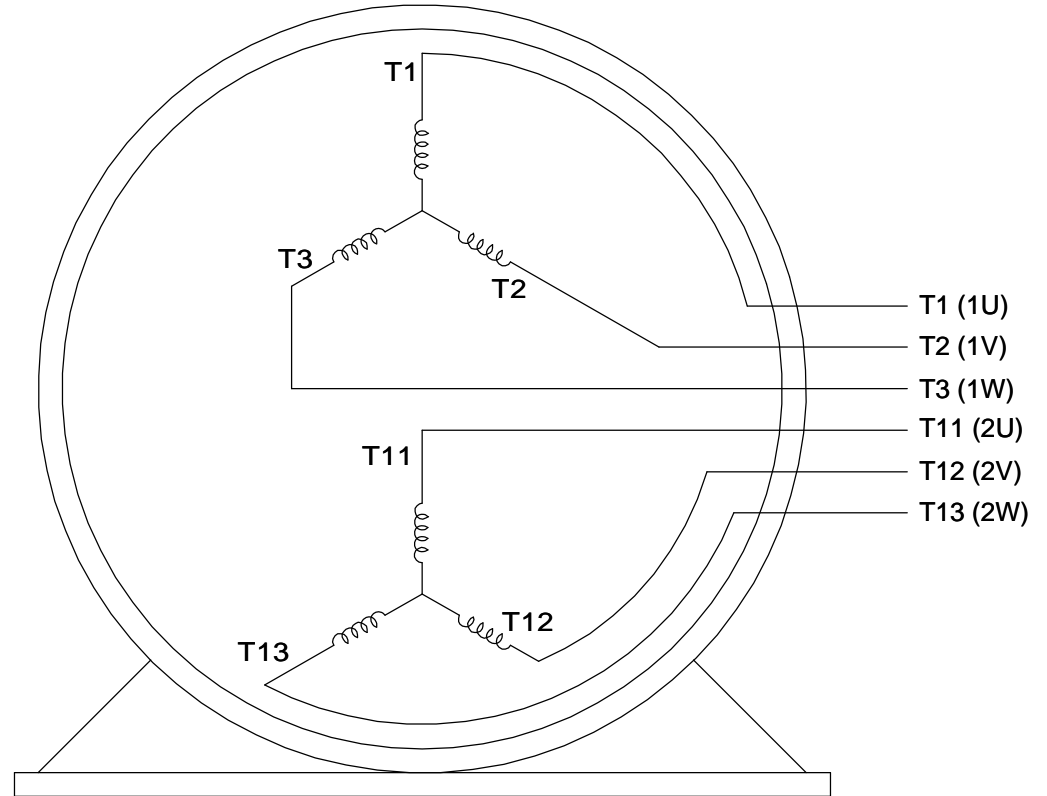
LOW SPEED



HIGHSPEED



**THREE PHASE, SINGLE VOLT, 6 LEAD
2 SPEED REVERSIBLE MOTOR**

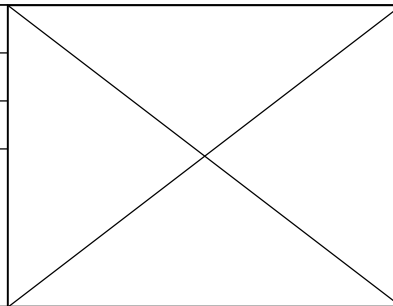


VIEW OF TERMINAL END

TO REVERSE ROTATION ON
EITHER SPEED: INTERCHANGE
ANY 2 LEADS ON THE
WINDING IN USE.

DRAWING REVISION C	REVISION BY JJB	DATE 10-25-2017
ECO ECO-0132917	APPROVED BY TLB	DATE 10-30-2017

ECO DESCRIPTION
REVISED PER ECO & UPDATED TO STANDARDS
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DRAWN BY LZ
DATE 01-05-1994
APPROVED BY GK
DATE 01-17-1994
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - SINGLE - 2 SPEED REVERSIBLE	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7317
SHEET 1 OF 1	

Data Sheet

Date: 12/15/2021
 Customer: _____
 Attention: _____
 Submitted by: SHERYL KUEHMICHEL



256TTDDBD7263

Submittal

Data @ 230 V

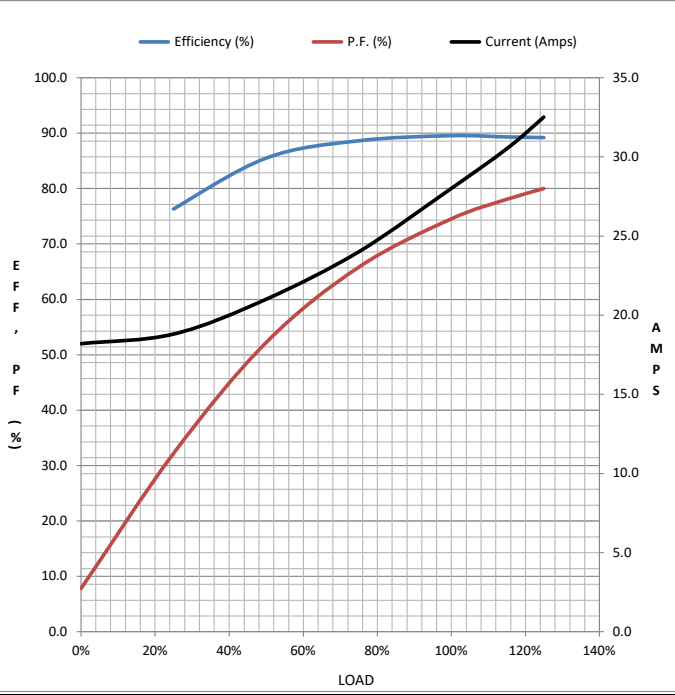
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	18.2	18.8	21.0	24.0	28.0	30.5	32.5	270
Torque(ft-lb)	0.00	7.5	15.0	22.0	30.0	34.5	37.0	90.0
RPM	1800	1795	1792	1790	1785	1,785	1782	0
Efficiency (%)		76.3	85.5	88.6	89.5	89.3	89.2	
P.F. (%)	7.8	32.2	52.2	65.8	74.5	78.0	80.0	51

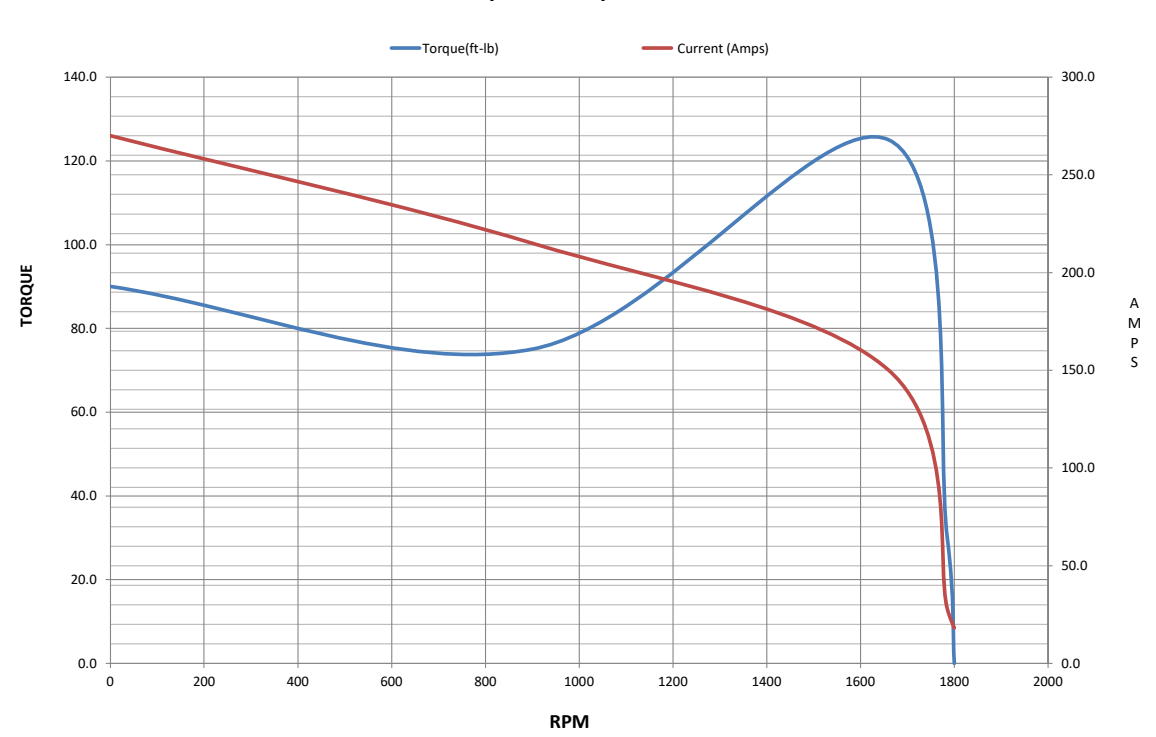
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1660	1785	1800
Current (Amps)	270	215	150	28.0	18.2
Torque(ft-lb)	90.0	75.0	125	30.0	0.00

Information Block	
HP	10.0
Sync. RPM	1800
Frame	256T
Enclosure	DP
Construction	TDW
Voltage	230 V
Frequency	60 Hz
Design	2VT
LR Code letter	M
Service Factor	1.15
Temp Rise @ FL	55 °C
Duty	CONT
Ambient	40 °C
Elevation	3,300 feet
Rotor/Shaft wk ²	2.70 Lb-Ft ²
Ref Wdg	HA3160(4-6)14 HS
Sound Pressure @ 1M	66 dBA
VFD Rating	NA
Outline Dwg	SS620685-200
Conn. Diag	EE7317
Additional Specifications:	
CATALOG # Y457A	
HIGH SPEED PERFORMANCE	
NP VOLTAGE 200-230, AMPS 32-28	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.1645	0.0411
X1	X2
0.2957	0.3007
Xm	
7.3626	



Speed - Torque Curve



Data Sheet

Date: 12/15/2021
 Customer: _____
 Attention: _____
 Submitted by: SHERYL KUEHMICHEL



256TTDBD7263

Submittal

Data @ 230 V

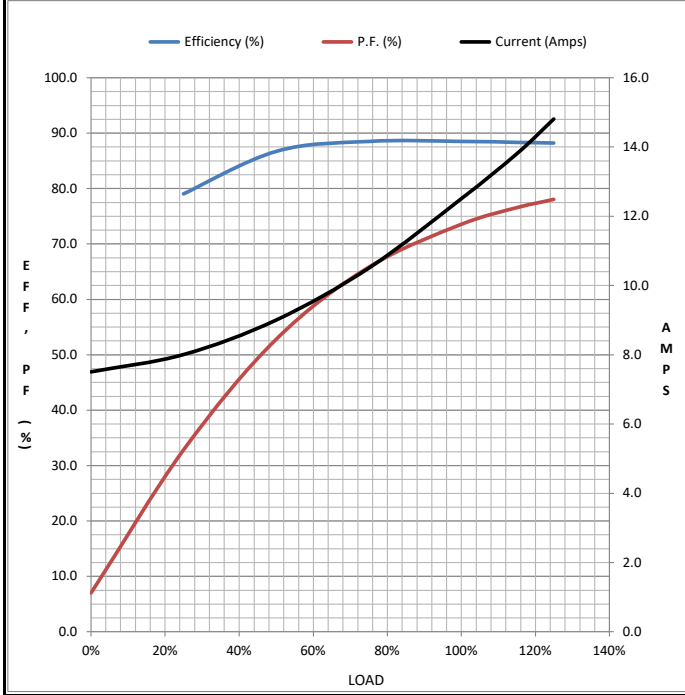
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.5	8.0	9.0	10.5	12.5	13.8	14.8	70.0
Torque(ft-lb)	0.00	5.0	10.0	15.0	20.0	23.0	25.0	40.0
RPM	1200	1195	1192	1188	1185	1,182	1180	0
Efficiency (%)		79.0	86.7	88.5	88.5	88.3	88.2	
P.F. (%)	7.0	32.8	52.8	65.8	73.5	76.5	78.0	0

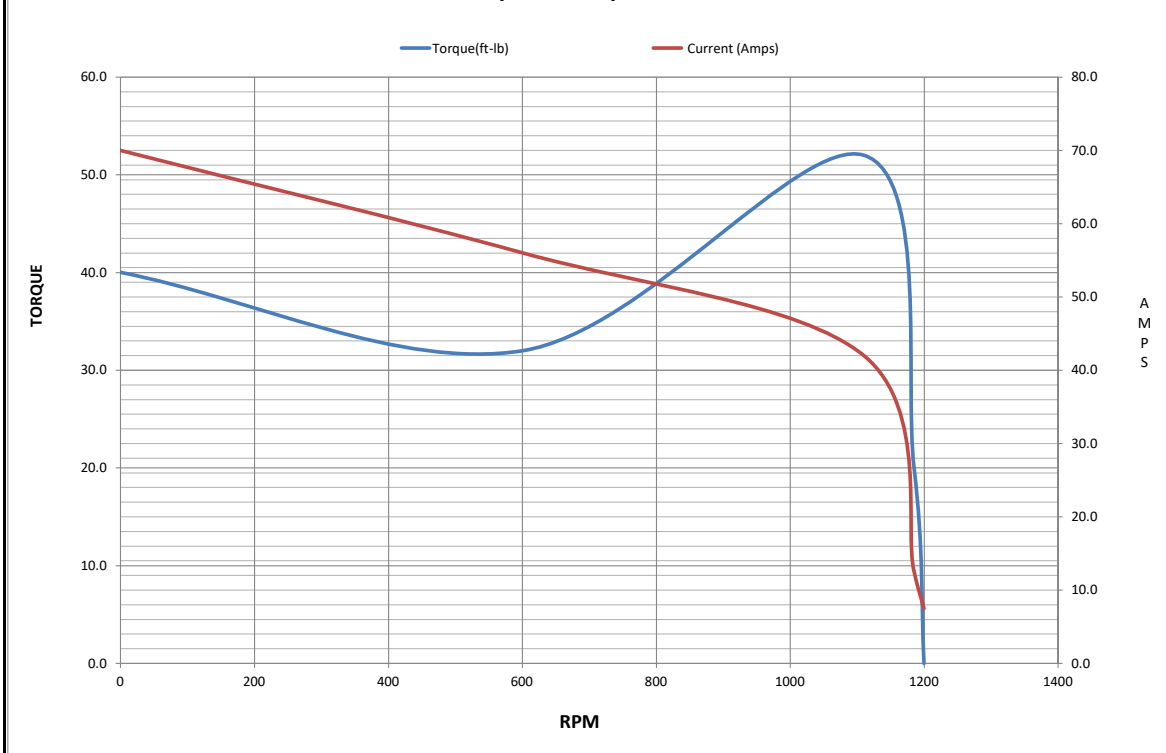
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1110	1185	1200
Current (Amps)	70.0	56.0	42.0	12.5	7.5
Torque(ft-lb)	40.0	32.0	52.0	20.0	0.00

Information Block				
HP	4.4			
Sync. RPM	1200			
Frame	256T			
Enclosure	DP			
Construction	TDW			
Voltage	230 V			
Frequency	60 Hz			
Design	2VT			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	55 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	2.70 Lb-Ft ²			
Ref Wdg	HA3160(4-6)14 HS			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NA			
Outline Dwg	SS620685-200			
Conn. Diag	EE7317			
Additional Specifications:				
CATALOG # Y457A				
LOW SPEED PERFORMANCE				
NP VOLTAGE 200-230, AMPS 13.5-12.5				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4754	0.1660	0.7945	1.3296	16.9250



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 : 256TTDBD7263

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

Catalog No : Y457A

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