

PRODUCT INFORMATION PACKET

Model No: 254TTDR16028

Catalog No: U210A

Close-Coupled Pump Motor, 15 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 254JPV Frame, DP



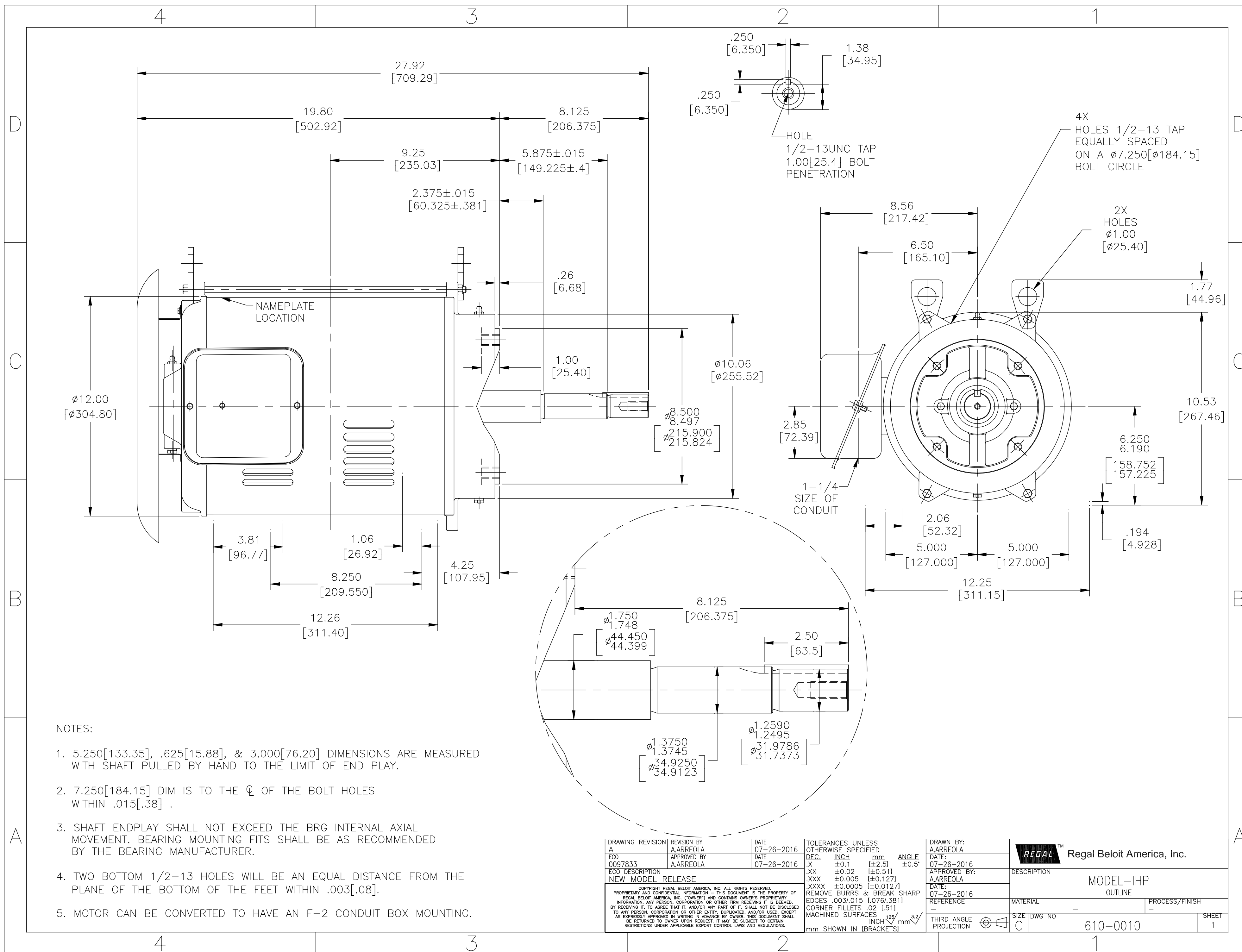
Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	38.0/18.9 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	79.9
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	254JPV	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.515 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	27.92 in
Frame Length	13.00 in	Shaft Diameter	1.375 in
Shaft Extension	8.13 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	80022801	Outline Drawing	610-0010-1300



NOTES:

- 5.250[133.35], .625[15.88], & 3.000[76.20] DIMENSIONS ARE MEASURED WITH SHAFT PULLED BY HAND TO THE LIMIT OF END PLAY.
- 7.250[184.15] DIM IS TO THE C OF THE BOLT HOLES WITHIN .015[.38] .
- SHAFT ENDPLAY SHALL NOT EXCEED THE BRG INTERNAL AXIAL MOVEMENT. BEARING MOUNTING FITS SHALL BE AS RECOMMENDED BY THE BEARING MANUFACTURER.
- TWO BOTTOM 1/2-13 HOLES WILL BE AN EQUAL DISTANCE FROM THE PLANE OF THE BOTTOM OF THE FEET WITHIN .003[.08].
- MOTOR CAN BE CONVERTED TO HAVE AN F-2 CONDUIT BOX MOUNTING.

DRAWING REVISION A	REVISION BY A.ARREOLA	DATE 07-26-2016	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .XX ±0.02 [±2.5] ±0.5° .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY: A.ARREOLA	Regal Beloit America, Inc.	
ECO DESCRIPTION NEW MODEL RELEASE	APPROVED BY A.ARREOLA	DATE 07-26-2016	REMOVE BURRS & BREAK SHARP EDGES .003[.015] [0.076[.381]] CORNER FILLETS .02 [51] MACHINED SURFACES $\frac{125}{\sqrt{}} \frac{3.2}{\sqrt{}}$	APPROVED BY: A.ARREOLA		
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>				DATE: 07-26-2016	DESCRIPTION MODEL-IHP OUTLINE	
				REFERENCE -	MATERIAL -	PROCESS/FINISH -
				THIRD ANGLE PROJECTION	SIZE DWG NO C 610-0010	SHEET 1



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
 ORDER #: _____ REFERENCE MODEL #: 254TTDR16028
 CONN. DIAGRAM: 80022801 CAT #: U210A
 OUTLINE: 610-0010 CUSTOMER PART #: _____
 WINDING: BGR4T01 NONE 3 MOUNTING: F1/F2 CAPABLE
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	1800	1768	254JPV	DP	TDR	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	38/18.9& 38/19	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	93.0	3/4 LD EFF	93.2	1/2 LD EFF	92.7	GTD EFF	91.7	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	79.9	3/4 LD PF	75.2	1/2 LD PF	66.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
44.5 LB-FT	114	84.1 LB-FT 189%	117 LB-FT 263%	21

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA	2.00 LB-FT²	0 LB-FT²	20 SEC.	2	0 LB.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	SHAFT DOWN	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
BALL	BALL						
6309	6207						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE					
	ENCODER: NONE NONE NONE					
	BRAKE: NONE NONE					
	FT-LB: NA VOLTAGE: NONE					
	UL: V-INS, CONST UL REC					

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/17/2018

Data Sheet

254TTDR16028

Date: 12/10/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 460 V

Motor Load Data

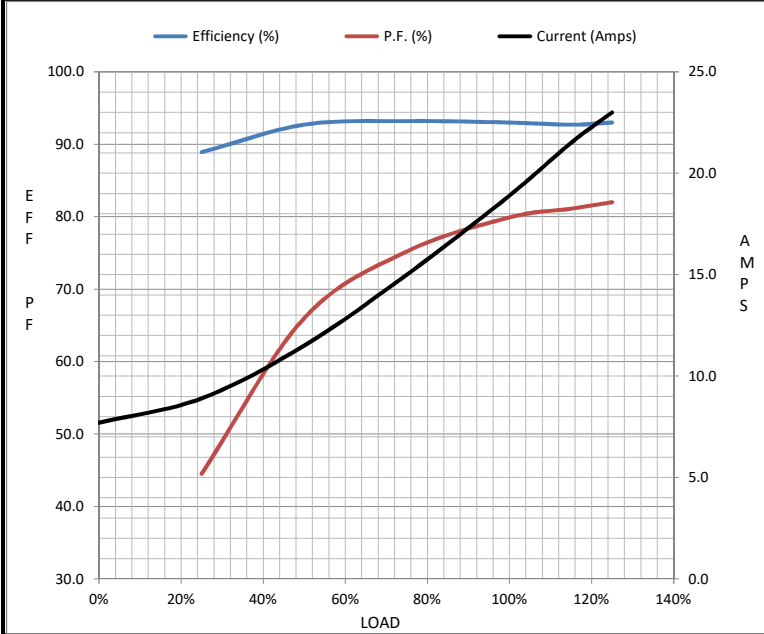
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.7	8.9	11.5	15.0	18.9	21.5	23.0	114
Torque (ft-lb)	0.00	11.0	22.0	33.0	44.5	51.0	60.0	84.1
RPM	1800	1793	1785	1777	1768	1,762	1740	0
Efficiency (%)		88.9	92.7	93.2	93.0	92.7	93.0	
P.F. (%)	0.0	44.5	66.0	75.2	79.9	81.1	82.0	0.0

Motor Speed Data

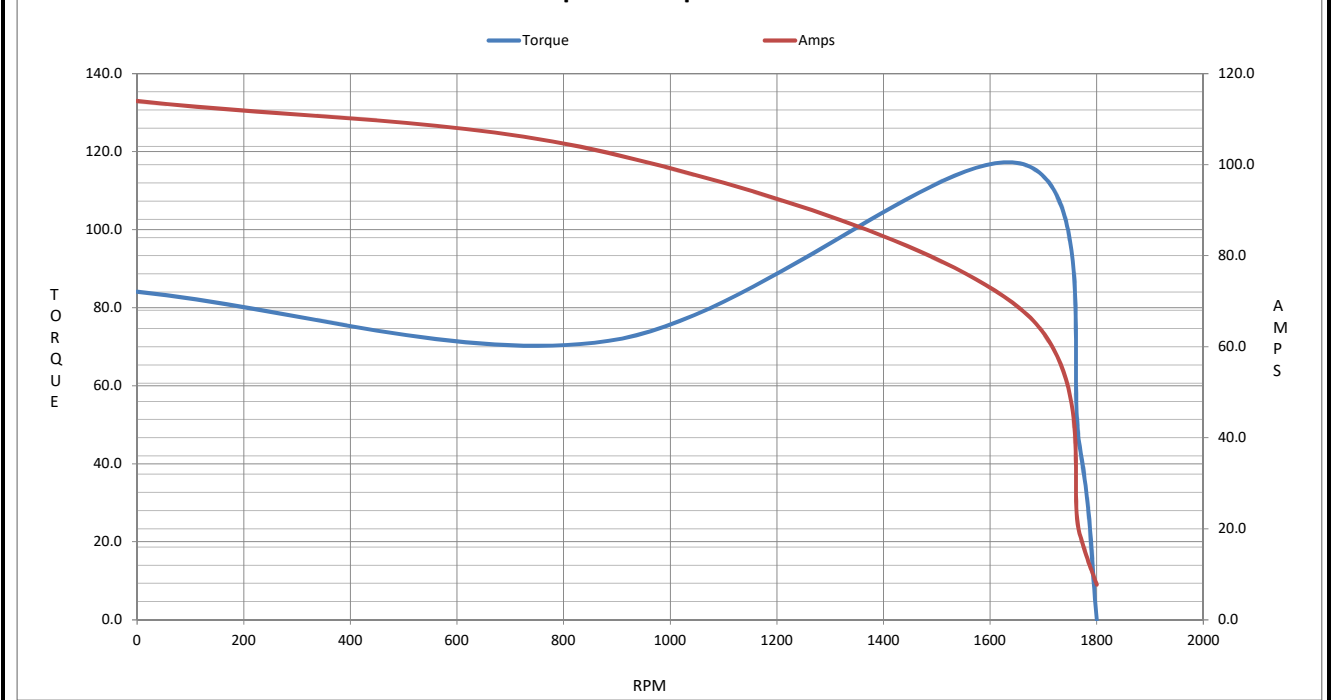
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	884	1656	1768	1800
Current (Amps)	114	103	68.4	18.9	7.7
Torque (ft-lb)	84.1	71.5	117	44.5	0.00

Information Block

HP	15.0			
Sync. RPM	1800			
Frame	254			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	21 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	2.00 Lb-Ft ²			
Ref Wdg	BGR4T01 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	610-0010			
Conn. Diag	80022801			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



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 : 254TTDR16028

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

Catalog No : U210A

Rework No : N/A

Directives :

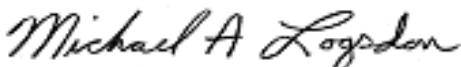
Low Voltage Directive 2014/35/EU

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