PRODUCT INFORMATION PACKET

Model No: B199701.00 Catalog No: B199701.00 Ultimate e[™] General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 254T Frame, DP



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LEESON

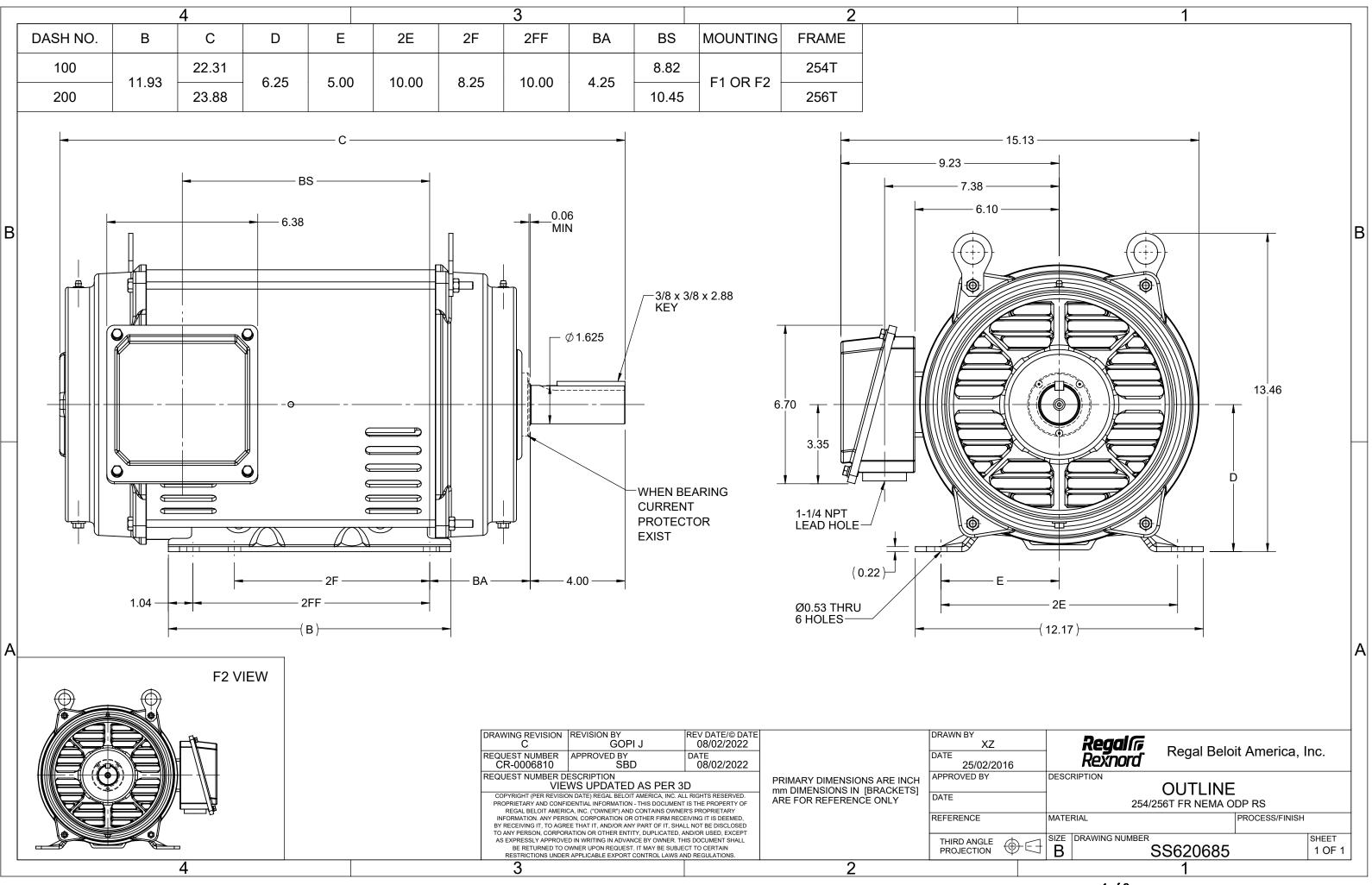
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	3552 & 2958 rpm	Service Factor	1.15 & 1.15
Frame	254T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	48/24 & 45/22.5 A	Power Factor	85.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.64 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	22.64 in
Frame Length	10.62 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7308K	Outline Drawing	SS620685-254T

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LOW VOLTAGE								EE	7308K
T1(U1) T6(W2) T7(U3)									
T2(V1) T4(U2) T8(V3)	<u>)</u>								
T3(W1) T5(V2) T9(W3)	3			_		• T9 T4 •			-T6(W2) -T9(W3) -T1(U1) -T4(U2)
HIGH VOLTAGE T1(U1)L1				/	C C	Jon Star			-T7(U3) -T2(V1) -T5(V2)
T4(U2) T7(U3)									-T8(∨3) -T3(W1)
T2(V1)La) -	/			~				
T5(V2) T8(V3)	/								
T3(W1)L3	}			/IEW	/ 🗆 F	TERMINAL	END	<u> </u>	
T6(W2)									
		ļ	TOLE UNLESS	ERANCES SPECIFIEI		ANN NIKA NA NA NA		DRAWN	PGK 06-04-1997
E CORRECTED IEC MARKINGS ECO-0111208	WGJ 01-23-2017	EMH		INCHES	R	EGAL REGAL - BELO	OIT CORPORATION	СНК	ML 06-05-1997
D RE-DRAWN WITH REGAL LOGO ECO-0110493 8 ADDED IEC DESIGNATIONS MU95020	WGJ 09-30-2016 TJW 4/30/2010	EMH MJS		±.1 ±.02	TITLE		CDAM	APPD SCALE	GK 06-15-1997
8 ADDED IEC DESIGNATIONS MU95020 7 REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998			±.02		CONNECTION DIA DELTA CON, - 30 -		REF	
6 REDRAWN ON CADD	PGK 06-05-1997			±.0005	MAT'L.			FMF	
ND. REVISION	BY & DATE	СНК		±7′30″	FINISH			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NO		RFP	· · · · ·		CAD FILE	EE7308K	SIZE DRAWING		
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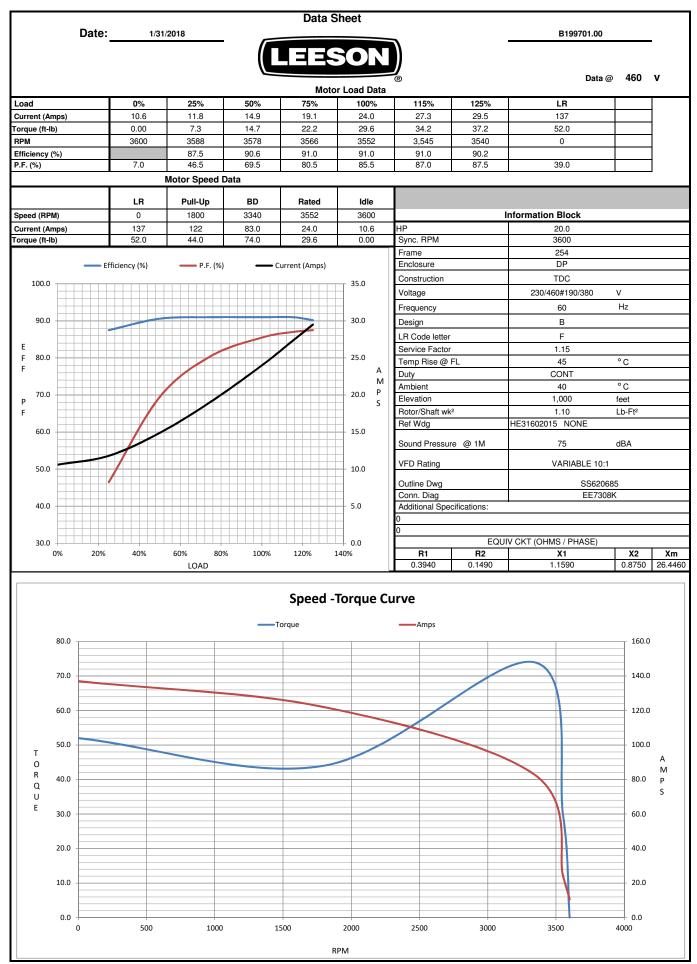
P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. E OUTLINI WINDING	E:	EE7308K SS620685 HE316020		NONE	2				CAT #:	B199	9701.00		
				٦			OR PERFO	RMAN	ICE DATA				
HP	ĸw	SYN	C RPM	FL RI	РМ	FI	RAME	ENCLOSURE		TYPE	KVA CO	DE	DESIGN
20	0 14.9 3600 3552		254T		DP		TDC	F		В			
						1				1			I
PH 3			AMP 48/24&4	-			DUTY CONT		INSL F	S.F. 1.15	AMB 40	ELEV. 3300	
F	.L. EFF	91.0		3/4 LD EFF	91.0		1/2 LD EFF	90.6	GTD EFF				
	F.L. PF	85.5		3/4 LD PF	80.5		1/2 LD PF	69.5 90.2			SQ CAGE INV	RATED	
F.L. TO	RQUE		LR AMPS @	460 V		L.R. TORC	QUE		B.D. TORQ	UE	F.L. RISE	(°C)	
29.6	LB-FT		137		52.0	LB-FT	176%	74.0	LB-FT	250%	45		
PRESS	-		WER	ROTOR	WK ² LB-FT ²	MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		MOTOR WG1	
75	dBA	84	dBA	1.10	LB-F1-	0	LB-FT ²	15	SEC.		3	300	LB.
	OKET			MOUNT			IENTAL INF		ION *** ARDOUS	DRIP			
DE BRACKET TYPE		ODE BRACKET TYPE		TYPE	ORIEN	RIENTATION DUTY		LOCATION		COVER	SCREENS	PAINT	
STAN	DARD	STA	NDARD	RIGID	HORIZ	CONTAL	NO	Ν	IONE	NO	NONE	BLUE	(ENAMEL)
BEARINGS DE ODE		GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL FRAME		MATERIAI
BALL BALL 6209 6208		POLY	POLYREX EM T			NONE		NONE		1045 HOT ROLLED (C-204)		ROLLED STEEL	
THERMO	OSTATS	PROT	ECTORS		TD'e	BB(G RTD's	THER	MISTORS	C01	NTROL	-	PACE ATERS
THERMOSTATS NONE		PROTECTORS WDG RTD's NOT NONE					IONE	NONE		FALSE		NA	
R1 (oh	ns/ph)	R2 (o	hms/ph)	X1 (ohm	is/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
0.3	94	0	.149	1.15	9	().875	2	6.446	0	.080		ODE
* N O T										ER TORQUE: EED RANGE:	VARIABLE 10:1 NONE		
E S *									ENCODER: NONE NONE	NONE		NONE	PPR
	DATE:	1/3	1/2018						FT-LB:	ONE	NONE NA		
							VOLTAGE: NONE HZ: UL: Y-(LEESON UL REC)						

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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 : B199701.00

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

Catalog No : B199701.00

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

Michael A. Logsdon Vice President, Technology

Created on 10/11/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer