PRODUCT INFORMATION PACKET

Model No: B199702.00 Catalog No: B199702.00 Ultimate e[™] General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 256T Frame, DP



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LEESON

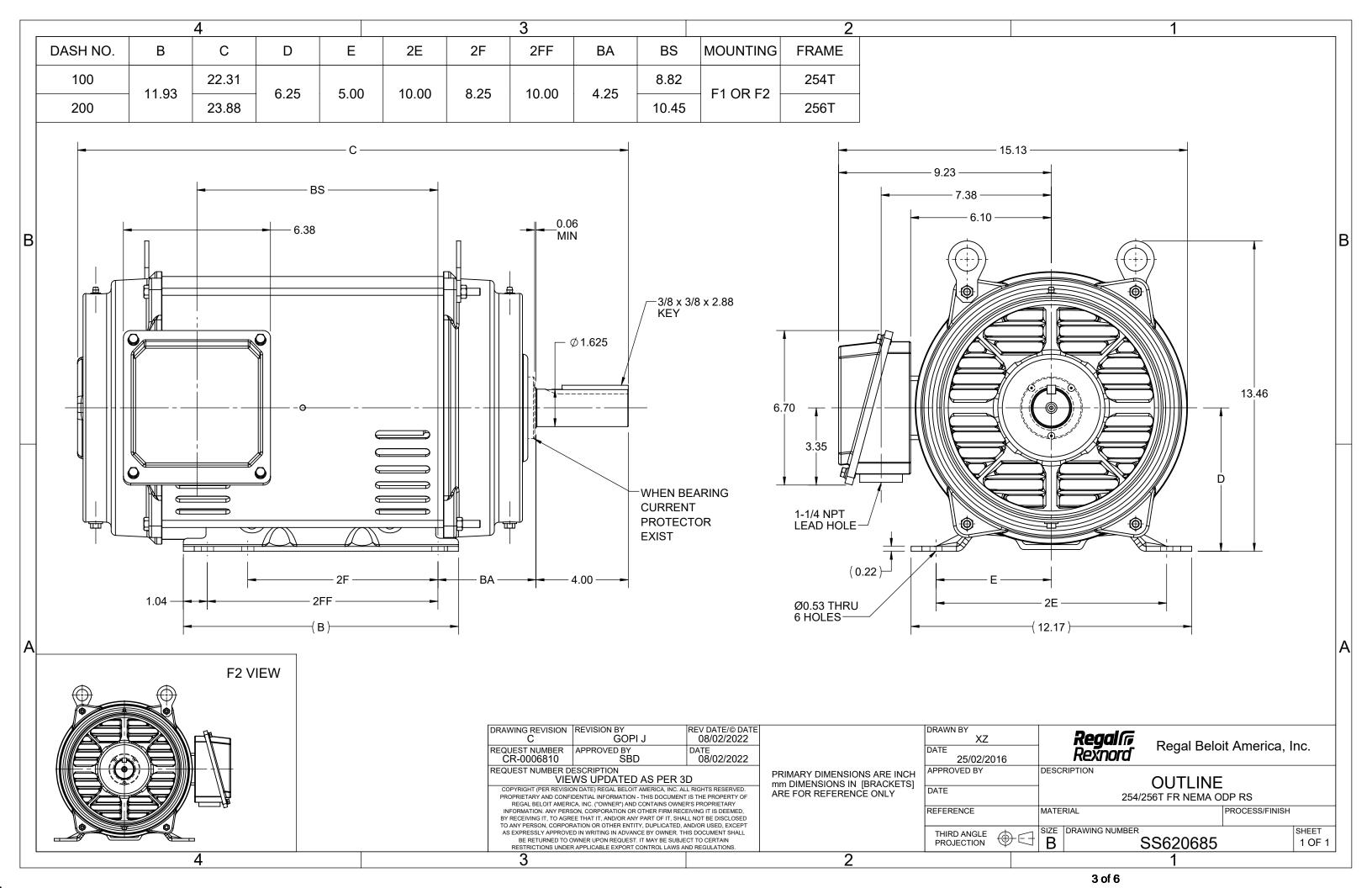
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1770 & 1474 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	48.5/24.3 & 45/22.4 A	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
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	.546 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	24.22 in
Frame Length	2.56 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7308K	Outline Drawing	SS620685-256T

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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(V3) -T3(W1)
T2(V1)La) -	/			~				
T5(V2) T8(V3)	/								
T3(W1)L3	}			/IEW	/ 🗆 F	TERMINAL	END		
T6(W2)									
		l	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		
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCAL		DIST					A E	E7308	K E

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIA OUTLINE: WINDING:		SS620685 HE316040		NONE	2				CAT #:	B13	9702.00		
				т	YPICAI	мото	R PERFO	RMAN	CE DATA				
HP	кw	KW SYNC RPM FL RPM		FRAME		ENCLOSURE		TYPE	KVA CO	DE	DESIGN		
20	14.9	1	800	177	1770 256T		56T	DP		TDC G		В	
PH	HZ	VOLTS AMPS START TYPE			DUTY		INSL	S.F.	AMB	ELEV.			
3	60/50	230/460	0#190/380	48.5/24.38	45/22.4	LINE OR	INVERTER	CONT		F	1.15	40	3300
F	F.L. EFF	93.0		3/4 LD EFF	93.0		1/2 LD EFF	92.4	GTD EFF		ELECT. TY	PE	
-	F.L. PF	83.5		3/4 LD PF	79.5		1/2 LD PF	69.5	92.4		SQ CAGE INV		
			•										
F.L. TO		l	_R AMPS @	460 V		L.R. TORQ		B.D. TORQ			F.L. RISE	(°C)	
59.4	LB-FT		144		118	LB-FT	199%	146	LB-FT	246%	45		
PRESSU	RE @ 3	PO	WER	ROTOR	WK ²	MAX. L	OAD WK ²	SAFES	STALL TIME	STAR	TS/HOUR	мот	OR WGT
	dBA	83	dBA		LB-FT ²		LB-FT ²	20	SEC.		2	325	LB.
				`	*** 91		ENTAL INFO		ON ***				•
DE BRA	CKET			MOUNT			SEVERE	HAZARDOUS		DRIP			
TYPE		ODE BRACKET TYPE		TYPE		ITATION DUTY		LOCATION		COVER	SCREENS	PAINT	
STAND	DARD	STAN	NDARD	RIGID	HORIZ	ONTAL	NO	1	NONE	NO	NONE	BLUE	(ENAMEL)
BEARI	NGS					1						1	
BEARINGS DE ODE		GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME	MATERIA
BALL BALL		POLYREX EM		т		NONE		NONE		1045 HOT ROLLED (C-204)		ROLLED STEEL	
6309	6209	TOET							IONE	104311011	102220 (0 204)	HOLL	
TUEDNO	07.470	DDOT			TD 1-		DTD				NTRO	-	PACE ATERS
THERMOSTATS NONE		NOT		_	WDG RTD's BRG RTD's NONE NONE			THERMISTORS NONE		FALSE		NA	
											ALOL	1	10.
R1 (ohn	ns/ph)	R2 (o	hms/ph)	X1 (ohn	ns/ph)	X2 (ol	hms/ph)	Xm (ohms/ph)	VIBRAT	ION (in/sec)	F	LOAT
0.33	38	0.	.192	1.06	8	1.	.235	2	27.321	(0.080		ODE
*													
N									INVERT	ER TORQUE:	VARIABLE 10:1		
ο									INV. HP SP	EED RANGE:	NONE		
т													
E									ENCODER:	NONE			
S *									NONE NONE			NONE	PPR
									BRAKE:	NONE		NONE	TEN
										DNE	NONE		
	DATE:	1/30	0/2018						FT-LB:		NA		
									VOLTAGE:		IONE		HZ
								UL: Y-(LEESON UL REC)					

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