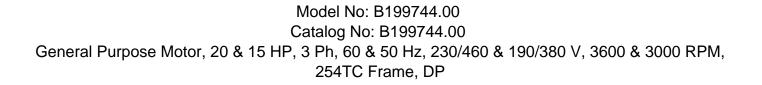
# **PRODUCT INFORMATION PACKET**





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Product Information Packet: Model No: B199744.00, Catalog No:B199744.00 General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 254TC Frame, DP

# LEESON

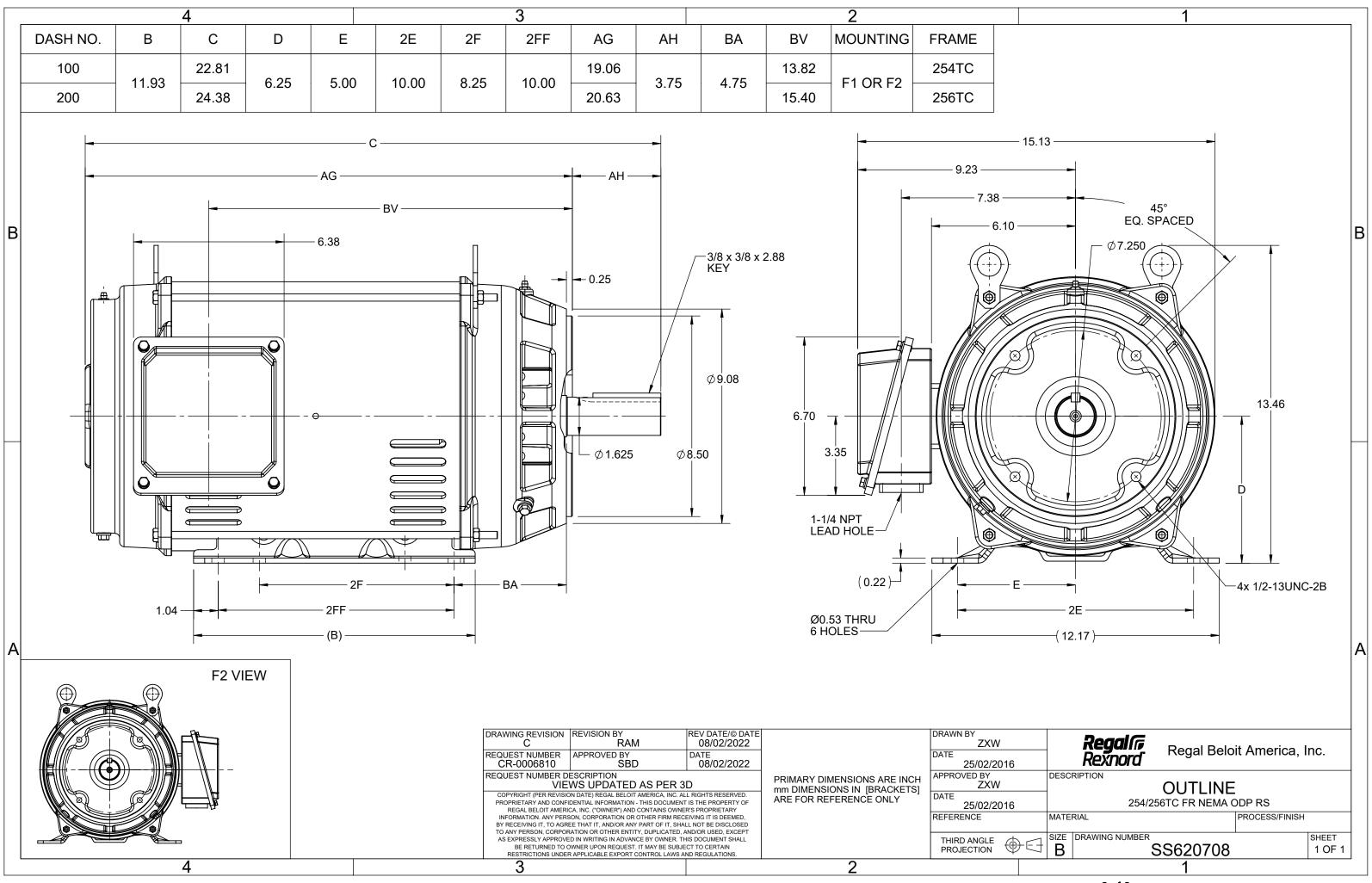
## Nameplate Specifications

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	254TC	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	Υ
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	23.14 in		
Frame Length	10.62 in	Shaft Diameter	1.625 in		
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620708-254TC	Connection Drawing	A-EE7308K		

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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	<u> </u>	
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		
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DATA VOLTS: 460

## **CERTIFICATION DATA SHEET**

CONN. DI/ OUTLINE: WINDING:	:	A-EE7308K SS620708 HE31602015	5	NONE	2				CAT #:	B19	9744.00			
				ТҮ	PICAL I	MOTOR	PERFOR	MANCE	DATA		•			
HP	кw	SY	NC RPM	FL RI	RPM FRAME			ENCLOSURE		ТҮРЕ КVA С		DE	DESIGN	
20	14.9		3600	355	3552		64TC	DP		TDC	F		В	
РН	HZ		/OLTS	AMPS		STAR	START TYPE		DUTY		S.F.	AMB	ELEV.	
3	60/50		60#190/380	48/24&4			INVERTER	CONT		INSL F	1.15	40	3300	
	.L. EFF F.L. PF	91.0 85.5		3/4 LD EFF 3/4 LD PF	91.0 80.5			90.6 69.5	<b>GTD EFF</b> 90.2		ELECT. TY			
	г. <b>с</b> . <b>г</b> г	65.5		3/4 LD FF	80.5		1/2 LD PF	09.0	90.2			NATED		
F.L. TOP			LR AMPS @	460 V		L.R. TORQUE		B.D. TORQU				(°C)		
29.6	LB-FT		137		52.0	LB-FT	176%	74.0	LB-FT	250%	45			
PRESSUP	RE @ 3	SOUND	POWER	ROTOR	WK <sup>2</sup>	MAX. L	OAD WK <sup>2</sup>	SAFE S	TALL TIME	STAR	TS/HOUR	МОТ	OR WGT	
75	dBA	84 <b>o</b>	dBA	1.10	LB-FT <sup>2</sup>	0	LB-FT <sup>2</sup>	15	SEC.		3	300	LB.	
DE BRA	СКЕТ			MOUNT					*** ARDOUS	DRIP	1	1		
TYP	TYPE ODE BRACKET TYPE		ACKET TYPE	TYPE ORIEN		TATION DUTY		LOCATION		COVER	SCREENS	PAINT		
C-FA	CE	ST/	ANDARD	RIGID	HORIZ	ONTAL	NO	N	IONE	NO	NONE	WAT	TSAVER	
BEARI		G	REASE	SHAFT	ТҮРЕ	SPEC	IAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	MATERIA	
DE ODE BALL BALL		POLYREX EM T			T NONE		NONE		AISI 1045 (C-240)		ROLLED STEEL			
6209	6208						0.112			,				
THERMOSTATS		PRO	TECTORS	WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS		
NON	IE		NOT	NON	IE	N	ONE	Ν	IONE	E.	ALSE		NA	
R1 (ohms/ph)		R2 (ohms/ph)		X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
0.394			0.149	1.159		0.875		26.446		0	0.150		ODE	
* N O T										ER TORQUE: EED RANGE:	VARIABLE 10:1 NONE			
E S									ENCODER: NONE NONE	NONE		NONE	PPR	
									BRAKE:					
	DATE:	9/1	11/2018						NC FT-LB: VOLTAGE:		NONE NA IONE		HZ	
									Y-(LEESON L	14				

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