

PRODUCT INFORMATION PACKET

Model No: 102922.00

Catalog No: 102922.00

General Purpose Motor, 0.33 HP, 3 Ph, 60 Hz, 208-230/460 V, 1800 RPM, S56C Frame, TEFC



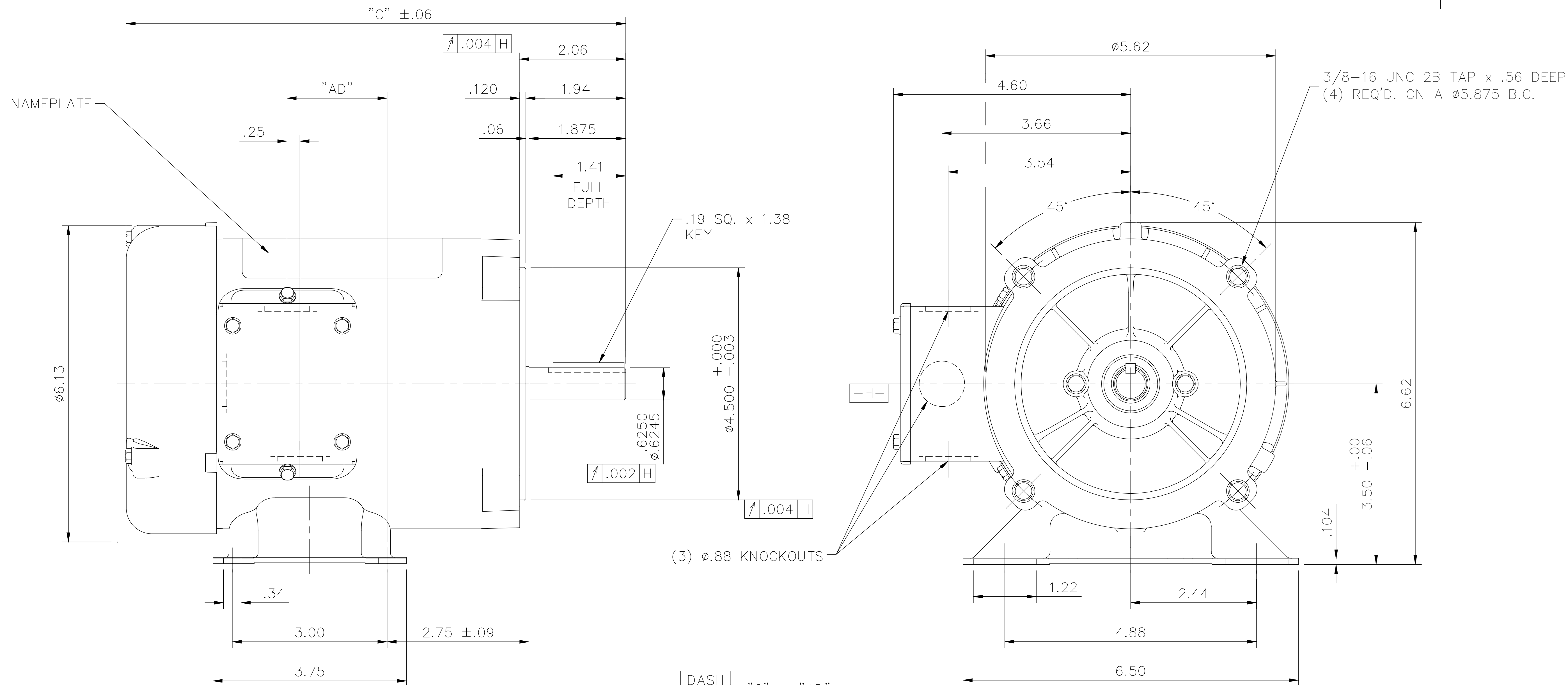
Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.3/0.65 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	77 %	Power Factor	60
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	M
Frame	S56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	11.27 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.19 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031636-550	Connection Drawing	005010.01



(3) ø.88 KNOCKOUTS

DASH NO.	"C"	"AD"
500	9.69	1.94
525	9.94	2.19
550	10.19	2.44
575	10.44	2.69
600	10.69	2.94
625	10.94	3.19
650	11.19	3.44
675	11.44	3.69
700	11.69	3.94
725	11.94	4.19
750	12.19	4.44

GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN PG 7/12/01	
		DEC.	INCHES			CHK	
		.X	±.1			APPD	
		.XX	±.03	TITLE		SCALE 1=2	
		.XXX	±.005	OUTLINE - S56C FRAME RIGID "C" FACE - TEFC		REF	
01	REVISED CALLOUT FOR GDK&T	KMM	6/6/02	.XXXX	±.0005	MAT'L. 3 PHASE	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE	031636	SIZE B
				DIST		DRAWING NO. 031636	REV. 01

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		REGAL ™ Regal Beloit America, Inc.		DRAWN RDW 04/12/02		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01			SCALE 1=1		
				.XXX	±.005	TITLE		REF FIG.2-51		
A	UPDATED TO REGAL LOGO		SAJ 06/26/15	AJY .XXXX	±.0005	MAT'L.		FMF		
NO.	REVISION		BY & DATE	CHK	ANG ±1/2"	FINISH		PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	04/12/02	CAD FILE		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV	00501001		A	005010-01	A

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



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
 OUTLINE: 031636-550
 WINDING: TE48462

CAT #: 102922.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.33	0.25	1800	1750	56C	TEFC	NA	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	208-230/460	1.35/.68	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	77.2	3/4 LD EFF	75.2	1/2 LD EFF	68.3	GTD EFF	ELECT. TYPE
F.L. PF	59.9	3/4 LD PF	50.2	1/2 LD PF	38.7	0.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
258 LB-FT	4.6	1,270 LB-FT 492%	1,460 LB-FT 566%	18

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
0 dBA	9 dBA	0.04 LB-FT²	0 LB-FT²	10 SEC.	0	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	RIGID	HORIZONTAL	NO	NONE	NO	NONE	JE - LEESON (ENAM)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	MULTEMP SRL	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
BALL	BALL						
6203	6203						

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	0.080	ODE

* N O T E S *	INVERTER TORQUE: NONE	
	INV. HP SPEED RANGE: NONE	
	ENCODER: NONE	
	NONE	
	NONE	

DATE: 3/7/2018	BRAKE: NONE	
	NONE	
	NONE	
	NONE	
		FT-LB: NA
		VOLTAGE: NONE
		HZ:
UL: Y-(LEESON UL REC)		

Data Sheet

Date: 2/2/2018

102922.00



Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.50	0.55	0.60	0.63	0.68	0.72	0.75	4.6
Torque (ft-lb)	0.00	64.6	129	194	258	4,698	323	1,270
RPM	1800	1787	1778	1763	1750	1,745	1737	0
Efficiency (%)		52.3	68.3	75.2	77.2	78.0	78.7	
P.F. (%)	15.1	27.8	38.7	50.2	59.9	62.8	65.6	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1750	1800
Current (Amps)	4.6	4.3	2.78	0.68	0.50
Torque (ft-lb)	1,270	1,233	1,460	258	0.00

Information Block				
HP	0.3			
Sync. RPM	1800			
Frame	48			
Enclosure	TEFC			
Construction	NA			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	18 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.04 Lb-Ft ²			
Ref Wdg	TE48462 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	031636-550			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

