

# PRODUCT INFORMATION PACKET



Model No: SD100  
Catalog No: SD100  
1 HP Severe Duty Motor, 3 phase, 1200 RPM, 208-230/460 V, 145T Frame, TEFC  
Severe Duty Motors



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### Nameplate Specifications

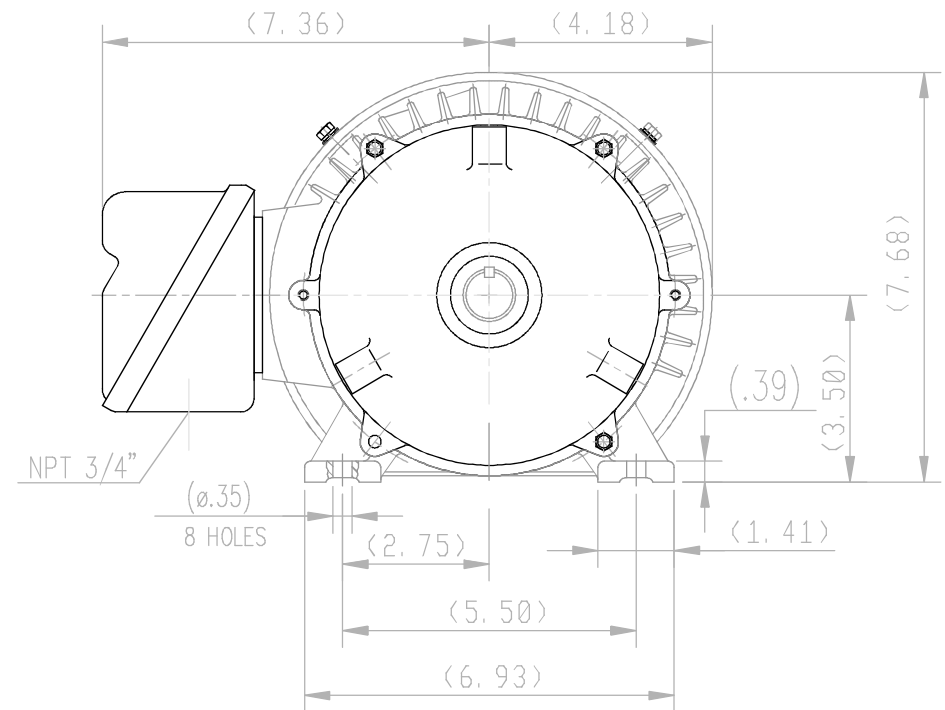
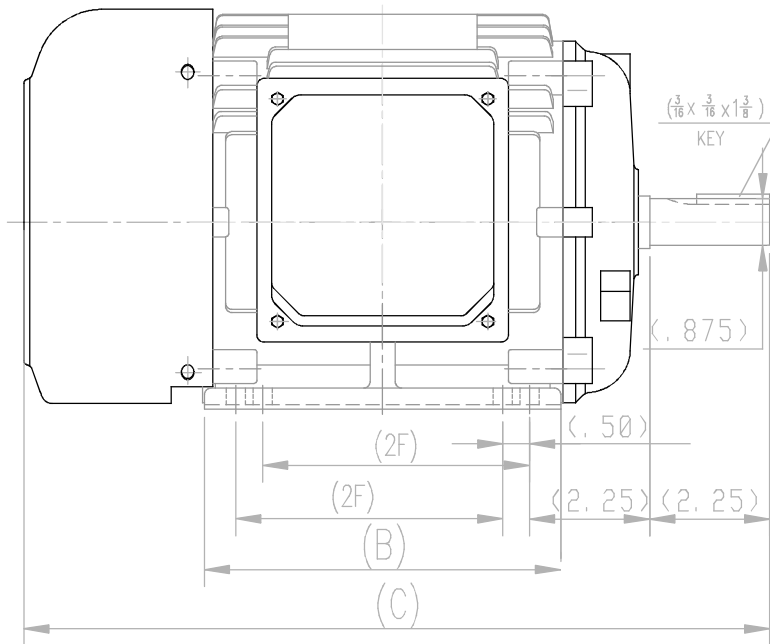
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.55 A	Speed	1160 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	F
Frame	145T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	Y	Number of Speeds	1

### Technical Specifications


Electrical Type	POLYPHASE	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Keyed	Overall Length	14.20 in
Frame Length	6.75 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in		
Connection Drawing	A-EE7308	Outline Drawing	SS620599

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SS620599



143T	13.2	5.71	4.0
145T	14.2	6.70	5.0
FRAME	C	B	2F

					TOLERANCES UNLESS SPECIFIED		 Regal-Beloit Corporation		DRAWN	ZYH 7.5.2012		
					DEC.	INCHES			CHK	HZJ 7.5.2012		
					.X	±.1			APPD	WGH 7.5.2012		
					.XX	±.03	TITLE	OUTLINE	SCALE			
					.XXX	±.005	143/145T FR TEFC-SEVERE DUTY		REF			
					.XXXX	±.0005	MAT'L.		FMF			
NO.	REVISION			BY & DATE	CHK	ANG	±1/2	FINISH	PREV			
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					DIST					B	SS620599	



				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	FINISH	PREV				
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