PRODUCT INFORMATION PACKET

Model No: SD101
Catalog No: SD101
1 HP Severe Duty Motor, 3 phase, 1800 RPM, 208-230/460 V, 143T Frame, TEFC
Severe Duty Motors

Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.4 A	Speed	1748 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	F
Frame	143T	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	4	Rotation	Reversible
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Keyed	Overall Length	13.20 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Connection Drawing	A-EE7308	Outline Drawing	SS620599

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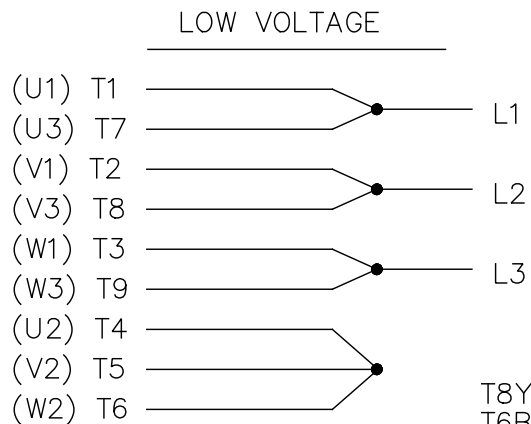
(7.36)   (4.18)

(7.68)

(3.50)

(.39)

(1.41)

($\frac{3}{16}$ X $\frac{3}{16}$ X $1\frac{3}{8}$)
KEY

(.875)

(.50)

(2F)

(2F)

(2.25) (2.25)

(B)

(C)

NPT 3/4"

(ø.35)
8 HOLES

(2.75)

(5.50)

(6.93)
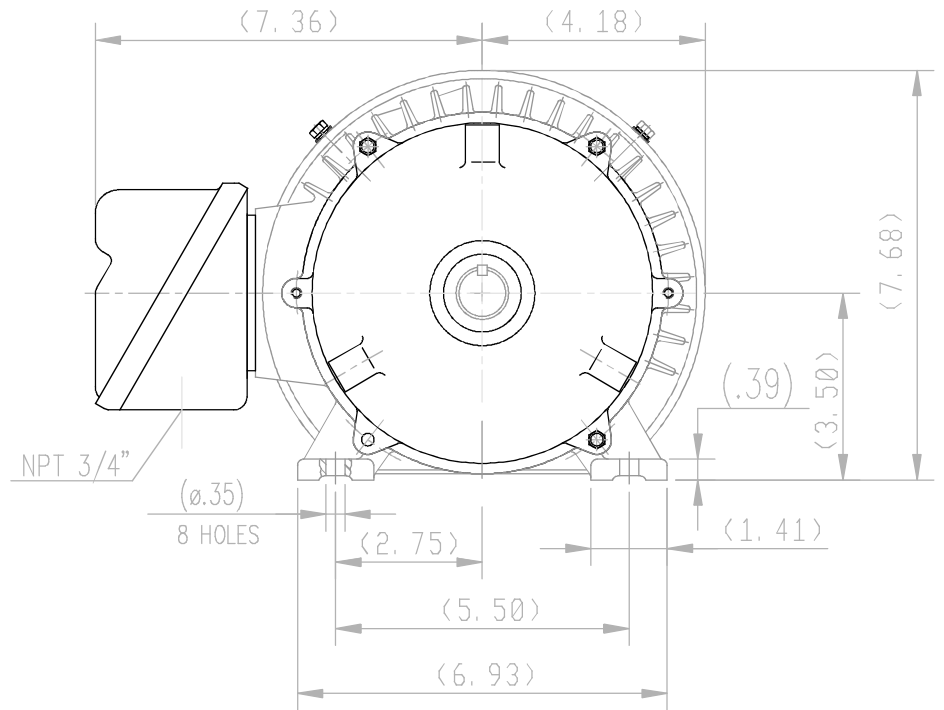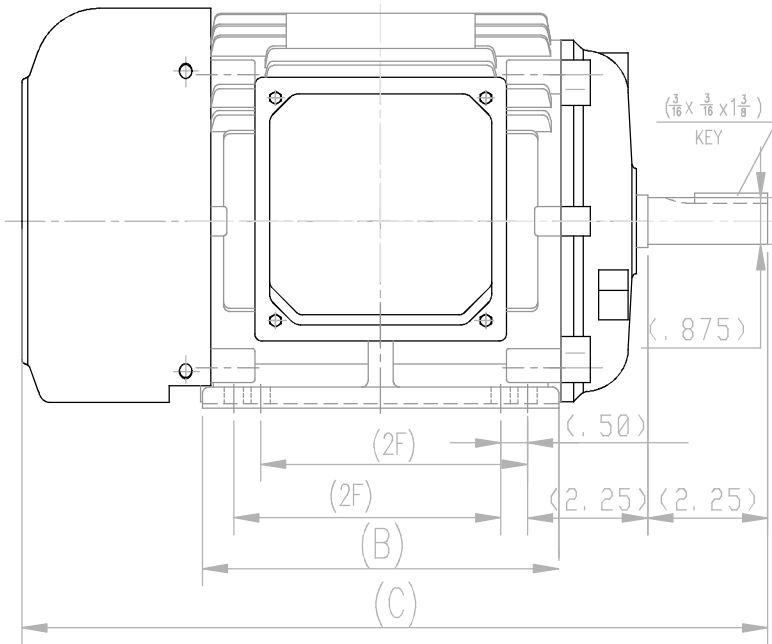
FRAME	C	B	2F
143T	13.2	5.71	4.0
145T	14.2	6.70	5.0

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

REGAL Regal-Beloit Corporation

FMF

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SIZE   B

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REV.

THREE PHASE
DUAL VOLTAGE MOTOR

EE7308

HIGH VOLTAGE

(U1) T1 ———————●——— L1
(V1) T2 ———————●——— L2
(W1) T3 ———————●——— L3
(U2) T4 ————————
(U3) T7 ————————●
(V2) T5 ————————
(V3) T8 ————————●
(W2) T6 ————————
(W3) T9 ————————●

LOW VOLTAGE

(U1) T1 ————————
(U3) T7 ————————●——— L1
(V1) T2 ————————
(V3) T8 ————————●——— L2
(W1) T3 ————————
(W3) T9 ————————●——— L3
(U2) T4 ————————
(V2) T5 ————————●
(W2) T6 ————————

VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

T1 (U1)
T4 (U2)
T9 (W3)
T7 (U3)
T8 (V3)
T6 (W2)
T5 (V2)
T2 (V1)
T3 (W1)

T1, T4, T7, T9, T8, T6, T5, T2, T3

OPTIONAL CORD
CONNECTION

L1 ——— WHITE
L2 ——— RED
L3 ——— BLACK

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

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