

# PRODUCT INFORMATION PACKET



Model No: 170165.00

Catalog No: 170165.00

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,  
213TC Frame, TEFC



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## Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	208-230/460 & 190/380 V
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	213TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	20-18.6/9.4 & 16/8 A	Power Factor	82.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6306
UL	Recognized	CSA	Y
CE	Y	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	1.161 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	18.94 in
Shaft Diameter	1.375 in	Shaft Extension	3.39 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS622294	Connection Drawing	00501001

Cat. No.	FRAME	B	C	2F	2F1	K
170166.60	N213TC-2W2	7.32	18.94	5.50		4
170168.60	N215TC-4W2	8.82	20.35	7.00	5.50	6
170165.60	N213TC-4W2	7.32	18.94	5.50		4
170167.60	N215TC-4W2	8.82	20.35	7.00	5.50	6
171116.60	N215TC-6W2	8.82	20.35	7.00	5.50	6

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MOL 03-07-2011			
			DEC.	INCHES		CHK MOL 03-07-2011				
			.X	±.1		APPD SB 03-07-2011				
			.XX	±.03		SCALE 1=4				
			.XXX	±.005		REF				
			.XXXX	±.0005		FMF				
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV				
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					DIST					

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>			DRAWN RDW 04/12/02			
				DEC.	INCHES				CHK			
				.X	±.1				APPD			
				.XX	±.01				SCALE 1=1			
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L. DECAL - 004014			FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			PREV			
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