

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 213TCDW7076

Catalog No: I143

2 HP General Purpose Motor, 1 phase, 1200 RPM, 115/208-230 V, 213T Frame, ODP
General Purpose Motors



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RegalRexnord

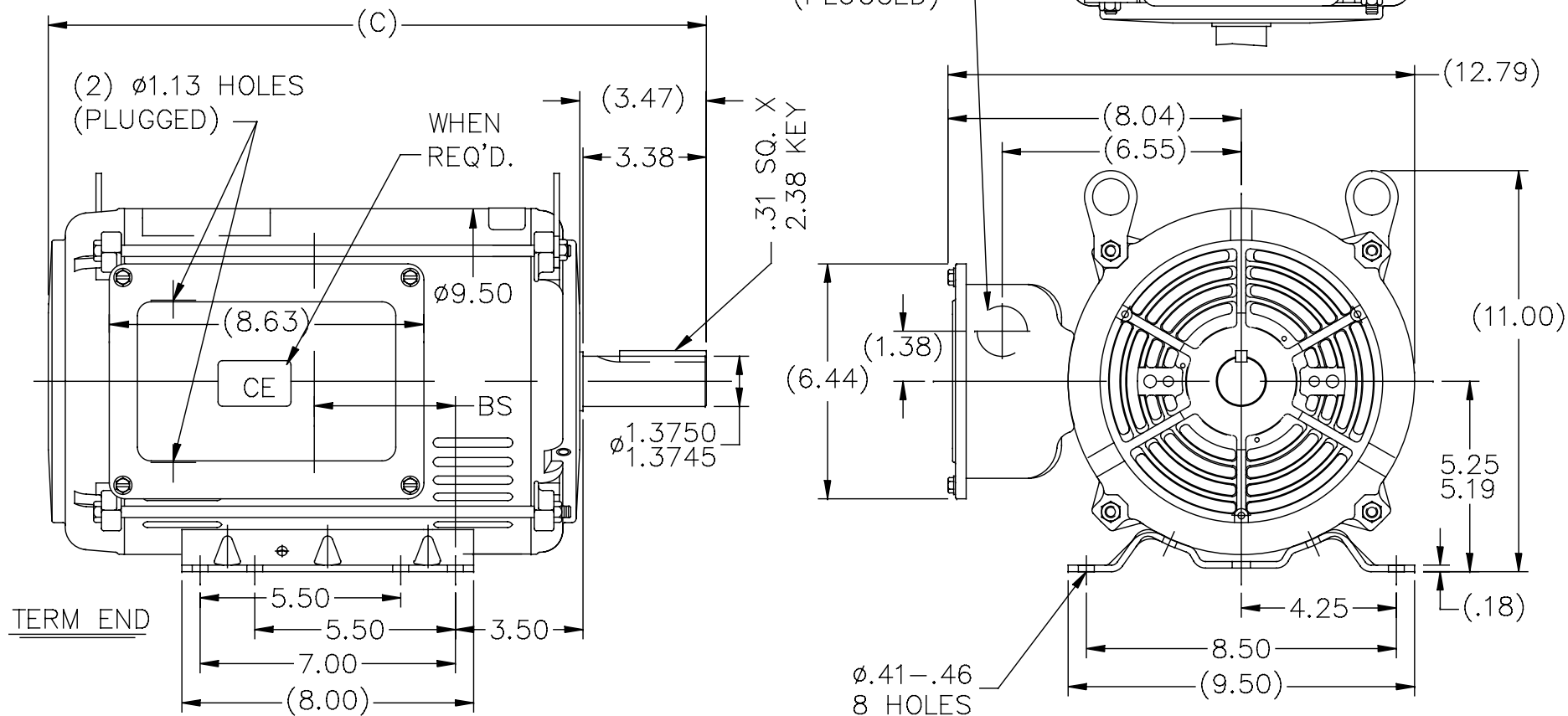
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	30.0/15.5-15.0 A	Speed	1145 rpm
Service Factor	1.15	Phase	1
Efficiency	70 %	Power Factor	31
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Frame	213T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	16.55 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7085FP	Outline Drawing	037642-965

037642

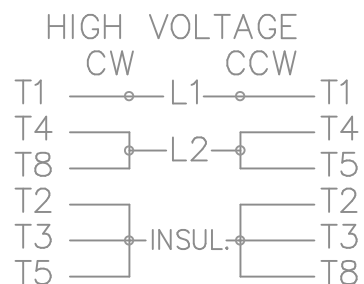
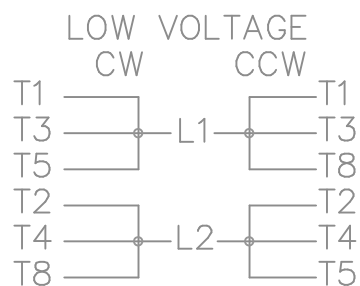


DASH	FR.	C	BS
965	213T	16.55	2.45
1115	213/15T	18.05	3.95
1240	213/15T	19.30	5.20

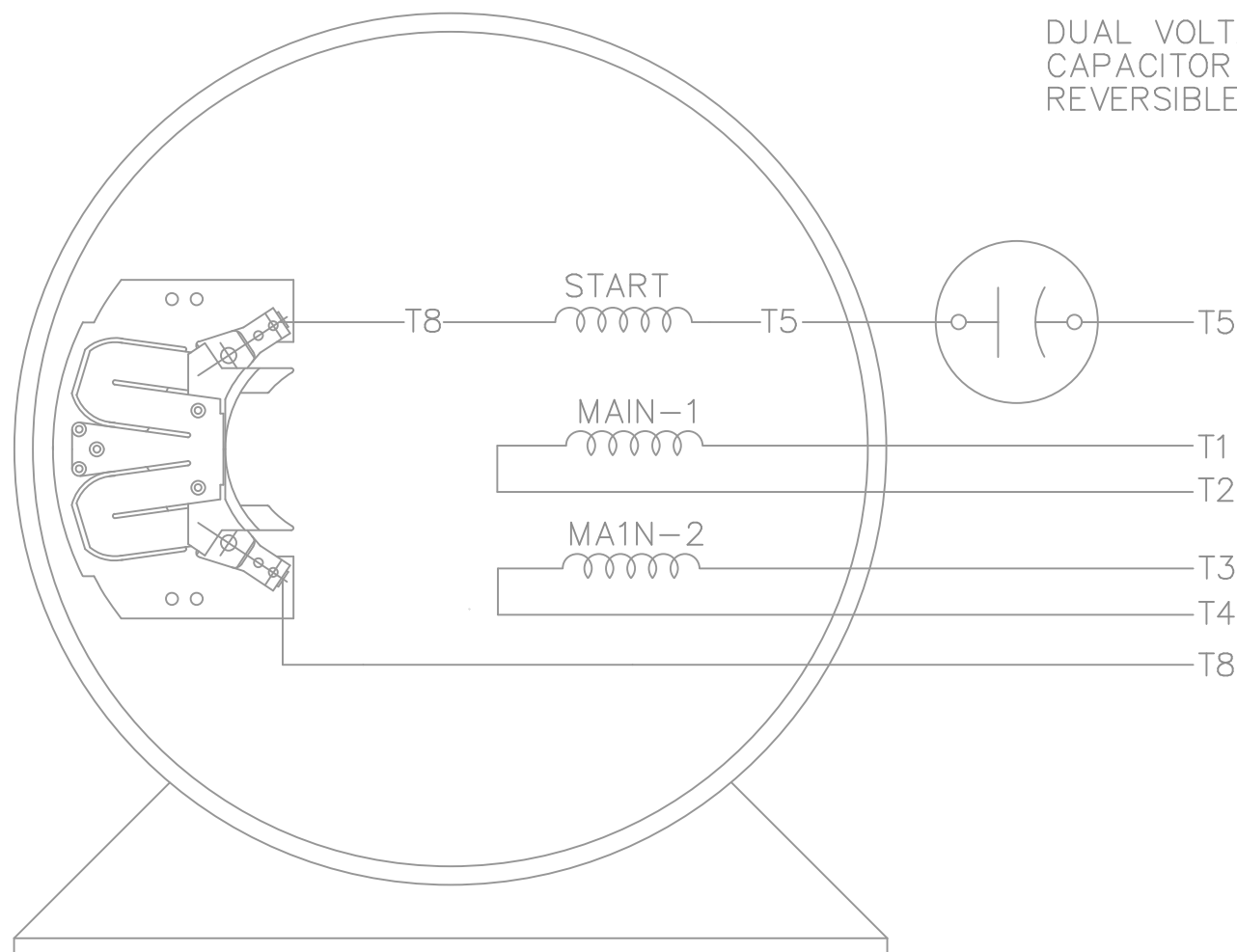
NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

				TOLERANCES UNLESS SPECIFIED		REGAL ™ Regal Beloit America, Inc.	DRAWN GRB 11/14/08	
				DEC.	INCHES		CHK SK 11/14/08	
				.X	±.1		APPD	
				.XX	±.03		SCALE 1=4.2	
02	CHANGED LOGO TO REGAL	SL 01/28/16	GR	.XXX	±.005	TITLE OUTLINE - 210T DP - RIGID - STD	REF SS86561	
01	DESCRIPTION CHANGED TO DP - RIGID - STD	AK 02/22/10		.XXXX	±.0005	MAT'L.	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	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	CAD FILE 037642	SIZE A	DRAWING NO. 037642	PAGE 1 OF 1
				DIST LB				REV. 02



DUAL VOLTAGE
CAPACITOR START
REVERSIBLE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN GK 09-24-1986			
				DEC.	INCHES		CHK FG 09-24-1986			
				.X	± -		APPD ML 09-24-1986			
				.XX	± -		SCALE 1=1			
2	REDRAWN IN AUTOCAD	RWR 08-02-2004		.XXX	± -	TITLE CONNECTION DIAGRAM	REF			
1	NEW DRAWING CN7664C	GK 12-15-1996		.XXXX	± -		MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	± -	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		CAD FILE EE7085FP		SIZE	DRAWING NO.	PAGE 1 OF 1	REV.
			DIST LB				A	EE7085FP		2

CERTIFICATION DATA SHEET

Model#: 213TCDW7076 BB
 CONN. DIAGRAM: A-EE7085FP
 OUTLINE: 037642-965

WINDING#: CK10624 NONE 1
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1200	1145	213T	DP	J	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	30/15.5-15	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 70	3/4 LOAD EFF: 69	1/2 LOAD EFF: 64	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 31	3/4 LOAD PF: 52.5	1/2 LOAD PF: 41.5	0	CAP START IND RUN	22.8 / 11.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9.1 LB-FT	136.8 / 68.4	16 LB-FT 176	18.4 LB-FT 202	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6307	6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

* N O T E S *	INVERTER TORQUE: NONE			
	INV. HP SPEED RANGE: NONE			
	ENCODER: NONE			
	NONE NONE			
	NONE NONE PPR			
	BRAKE: NONE NONE			
	NONE P/N NONE			
	NONE NONE			
	NONE FT-LB NONE V NONE Hz			

DATE: 06/22/2017 03:54:15 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

 HP 2.00

 PHASE 1

 Model No 213TCDW7076
60

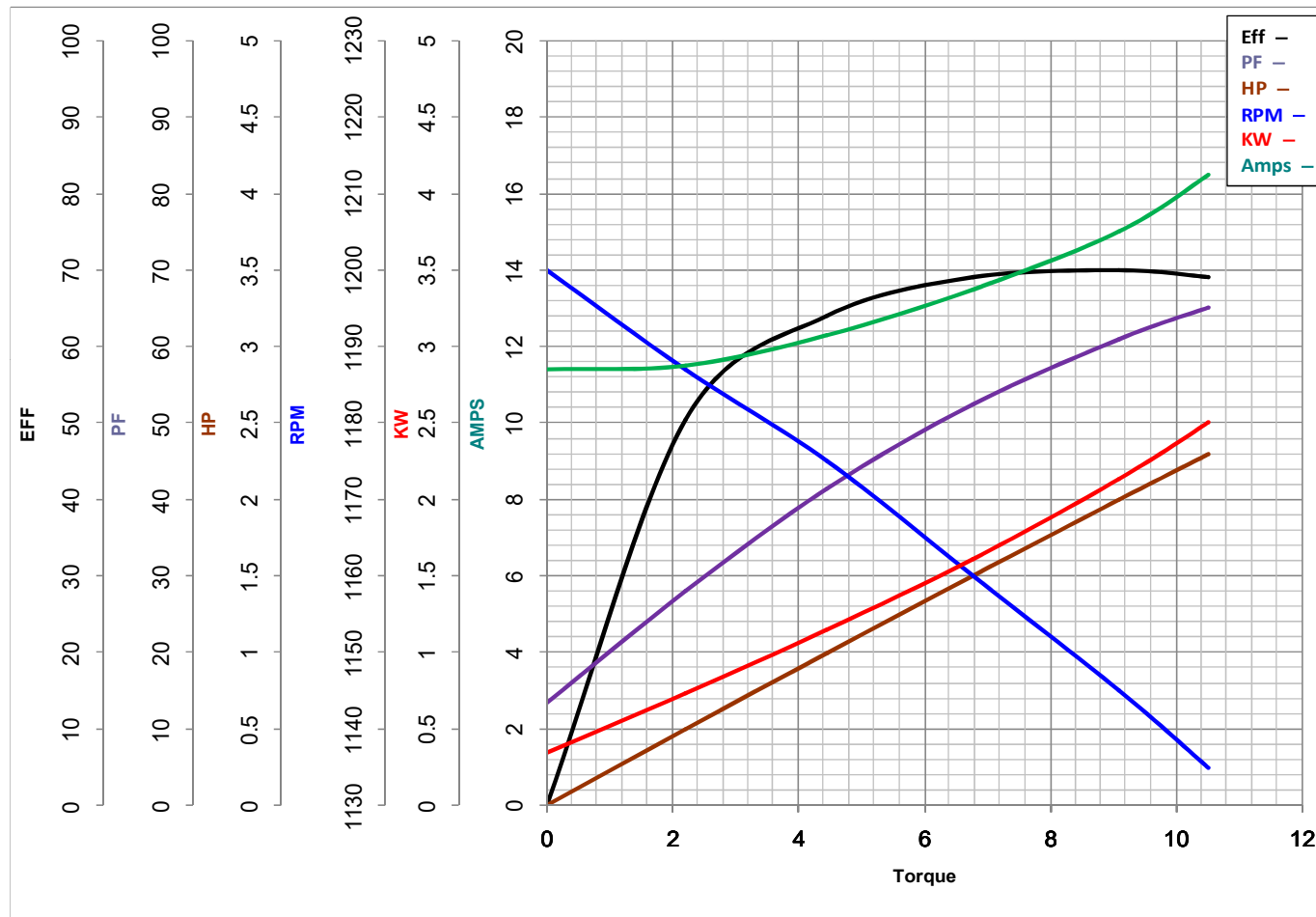
HZ

 VOLTS 115/208-230
2

HP

 Catalog No 1143

 HZ 60

 RPM 1145


Torque in Lb.Ft

 FL TORQUE 9.1 Lb.Ft

 BD TORQUE 18.4 Lb.Ft

 LR TORQUE 16 Lb.Ft

WINDING CK10624-1

 FL AMPS 30/15.5-15

 PU TORQUE 14.7 Lb.Ft

 LR AMPS 68.4

Date 1/17/2019