

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 213TCDW7028

Catalog No: Z428

5 HP Close-Coupled Pump Motor, 1 phase, 1800 RPM, 230 V, 213JP Frame, ODP  
Close-Coupled Pump Motors



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E

**RegalRexnord**

### Nameplate Specifications

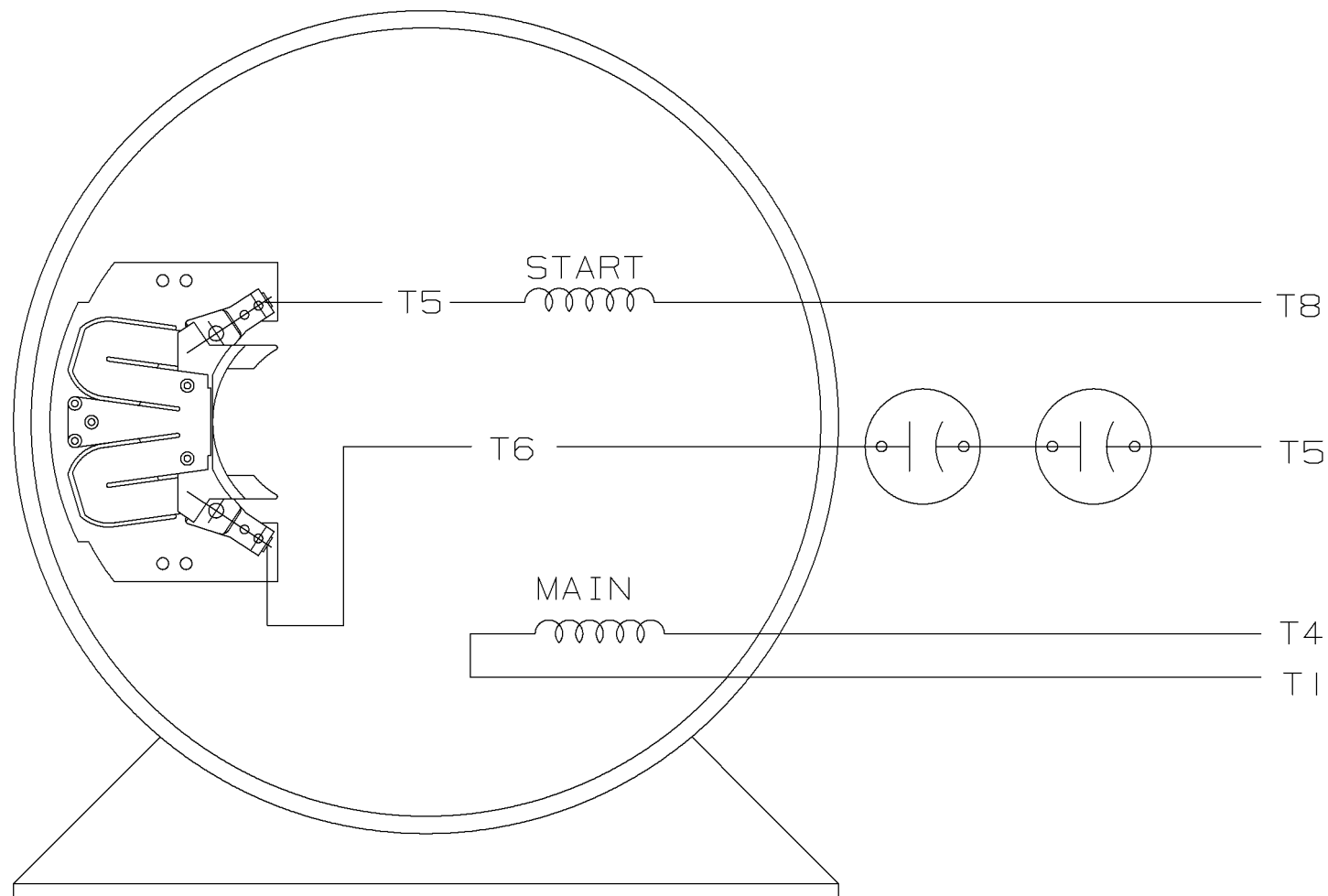
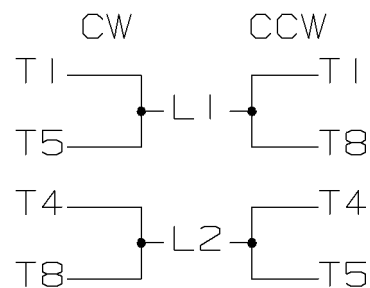
Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230 V
Current	28.0 A	Speed	1730 rpm
Service Factor	1.15	Phase	1
Efficiency	78.5 %	Power Factor	73
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	H
Frame	213JP	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	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	4	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	JP	Overall Length	23.79 in
Frame Length	11.15 in	Shaft Diameter	1.250 in
Shaft Extension	8.12 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7090JL	Outline Drawing	A-SS86684-1115

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

7/26/2007 3:07:18 PM -

SINGLE VOLTAGE CAPACITOR START  
MOTOR, ELECTRICALLY REVERSIBLE

VIEW OF TERMINAL END

			✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02    XXX±.005    XXXX±.0005    ANGLES± 7°30"		
			MATL SPEC		180 - 210 SWITCH		DRAWN BY GK 09-24-1986
			FINISH		MARATHON ELECTRIC		CHKD BY ML 11-04-1986
1 11-04-1986 NEW DRAWING			REFERENCE DRW.		WAUSAU, WISCONSIN 54401		APPD BY FG 11-04-1986
CN 7664C			PART NAME CONNECTION DIAGRAM		DRWG NO A- EE7090JL		
REV	DATE	CHANGE	NAME				

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE7090JL

```
ERROR: undefined  
OFFENDING COMMAND: de
```

```
STACK:
```

```
{pop pop pop pop }  
/B  
-dictionary-  
/Pscript_WinNT_Compat  
-dictionary-
```

## CERTIFICATION DATA SHEET

Model#: 213TCDW7028 AB  
 CONN. DIAGRAM: A-EE7090JL  
 OUTLINE: A-SS86684-1115

WINDING#: CK10481 NONE 1  
 ASSEMBLY: F1/F2 CAPABLE

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1730	213JP	DP	H	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	28	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 78.5	3/4 LOAD EFF: -	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 73	3/4 LOAD PF: -	1/2 LOAD PF: -	0	CAP START IND RUN	16.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.2 LB-FT	148	33.3 LB-FT -	36.9 LB-FT -	60

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	- SEC.	-	0 LBS.

## \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	RODENT	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6309	6206	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	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 03:53:05 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

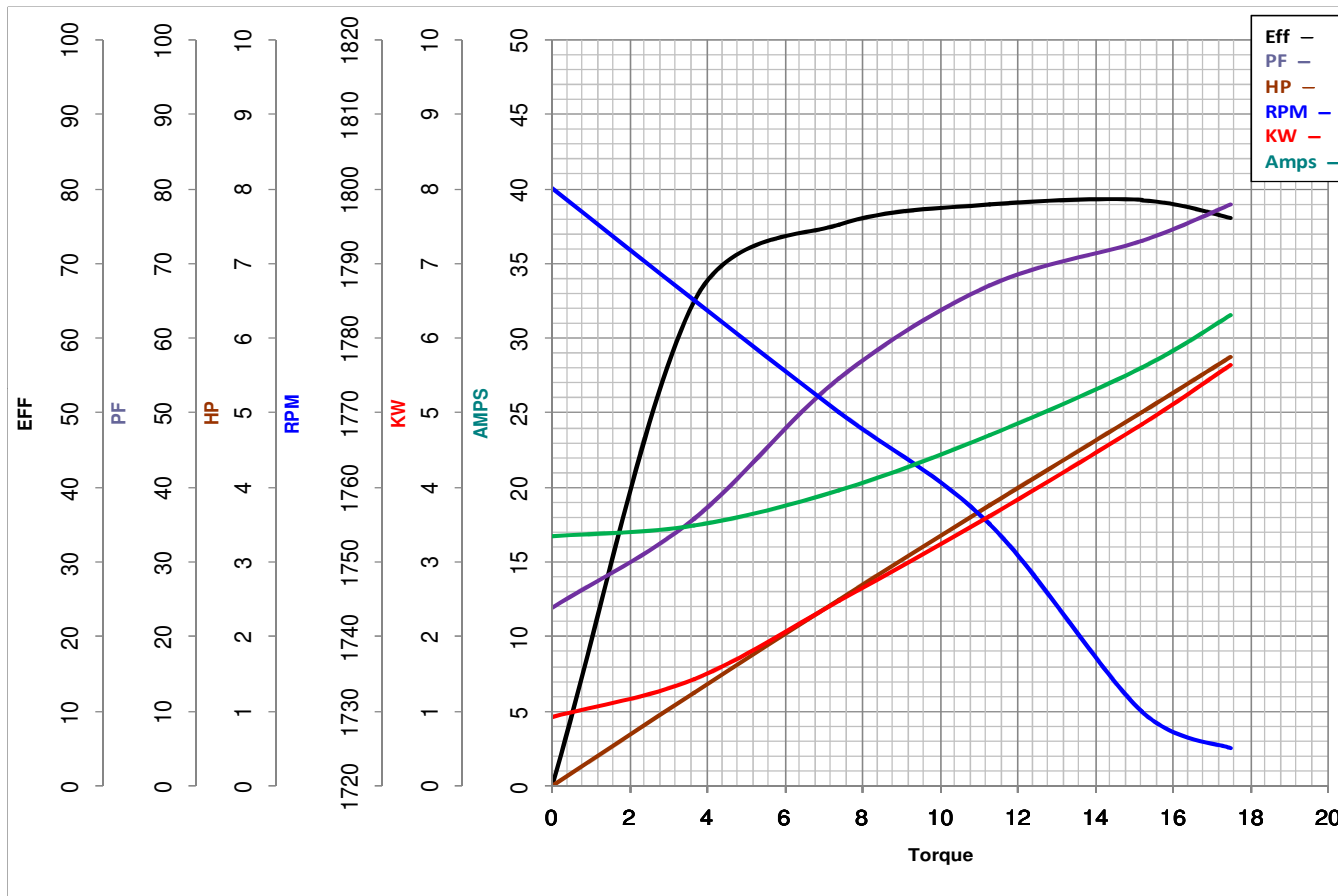
Volts

HP 5.00PHASE 1Model No 213TCDW702860

HZ

VOLTS 2305

HP

Catalog No Z428HZ 60RPM 1730

Torque in Lb.Ft

FL TORQUE 15.2 Lb.FtBD TORQUE 36.9 Lb.FtLR TORQUE 33.3 Lb.FtFL AMPS 28PU TORQUE 30.9 Lb.FtLR AMPS 148

WINDING CK10481-1

Date 1/25/2019