

# PRODUCT INFORMATION PACKET

Model No: 184TBFW7070

Catalog No: Z114A

General Purpose Farm Duty Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, TEFC



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

**Nameplate Specifications**

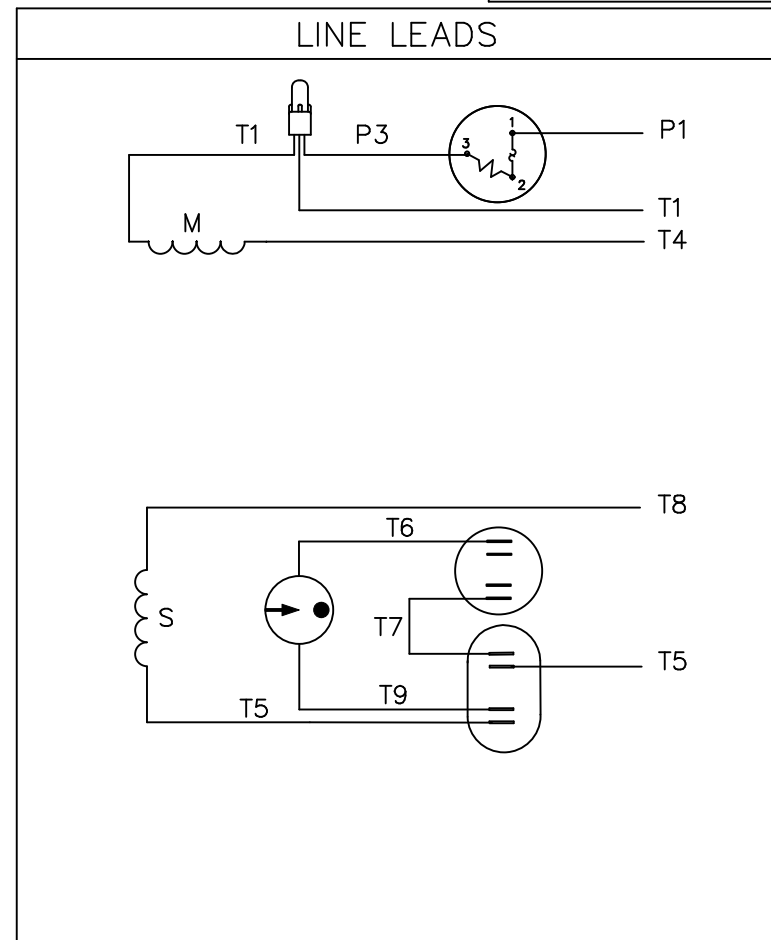
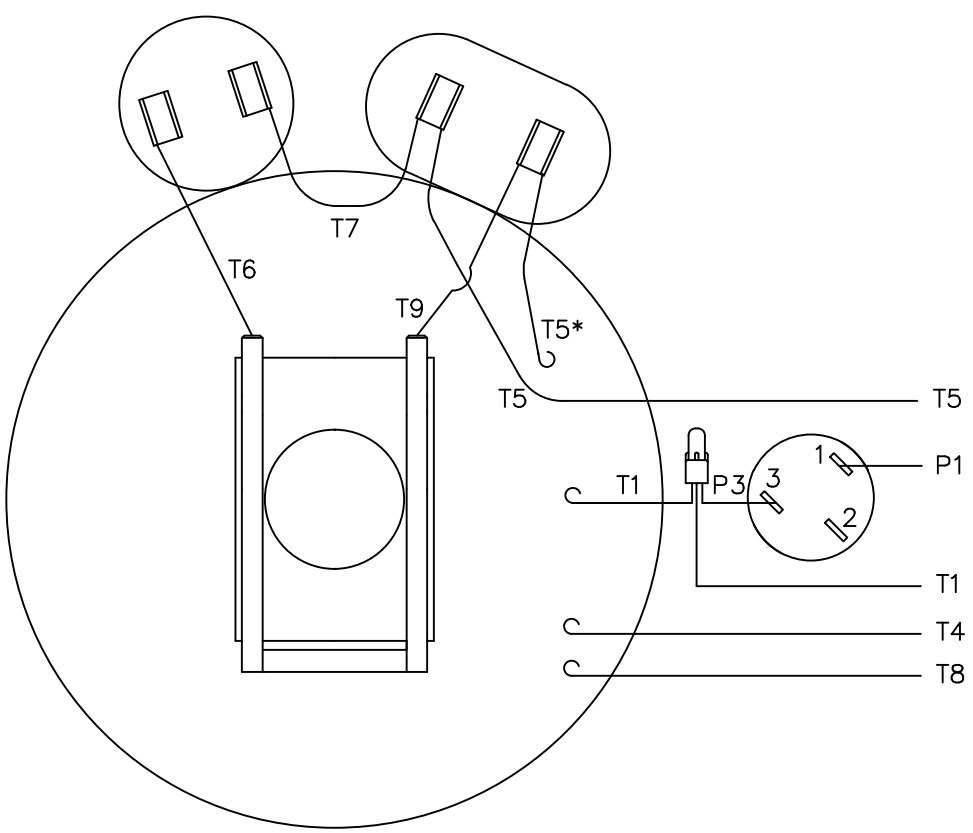
Output HP	<b>5 Hp</b>	Output KW	<b>3.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230 V</b>
Current	<b>23.8-21.8 A</b>	Speed	<b>1755 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>84 %</b>	Power Factor	<b>89</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>NO DESIGN CODE</b>	KVA Code	<b>K</b>
Frame	<b>184T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Manual</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6206</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized ( Not Protector)</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

**Technical Specifications**

Electrical Type	<b>Capacitor Start Capacitor Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>.397 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>17.46 in</b>
Frame Length	<b>12.00 in</b>	Shaft Diameter	<b>1.125 in</b>
Shaft Extension	<b>2.81 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>035584-1200</b>	Connection Drawing	<b>005056.03ME</b>



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2	JOIN
C.C.W.	P1	T4, T5	T1, T8
C.W.	P1	T4, T8	T1, T5

\* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT <i>Motor Technologies</i> TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/ PROTECTOR MAT'L. DECAL - 004015 FINISH		DRAWN LST 9/9/03	
		DEC.	INCHES			CHK KH 9/9/03	
		.X	±.1			APPD	
		.XX	±.01			SCALE 1=1	
		.XXX	±.005			REF	
		.XXXX	±.0005	MAT'L. DECAL - 004015		FMF 139045	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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 00505603ME		SIZE A	DRAWING NO. 005056-03ME
			DIST	BRF-NLV		REV.	

**CERTIFICATION DATA SHEET**

**Model#:** 184TBFW7070 AA      **WINDING#:** K8484 FR 2  
**CONN. DIAGRAM:** 005056.03ME      **ASSEMBLY:** F1 ONLY  
**OUTLINE:** 035584-1200

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1755	184T	TEFC	K	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	23.8-21.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 84	3/4 LOAD EFF: 83.5	1/2 LOAD EFF: 80.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89	3/4 LOAD PF: 86.1	1/2 LOAD PF: 78.7	0	CAP START CAP RUN	8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.88 LB-FT	178	49.8 LB-FT 332	44.7 LB-FT 298	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.612 LB-FT^2	0.6 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	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

\*  
N  
O  
T  
E  
S  
\*

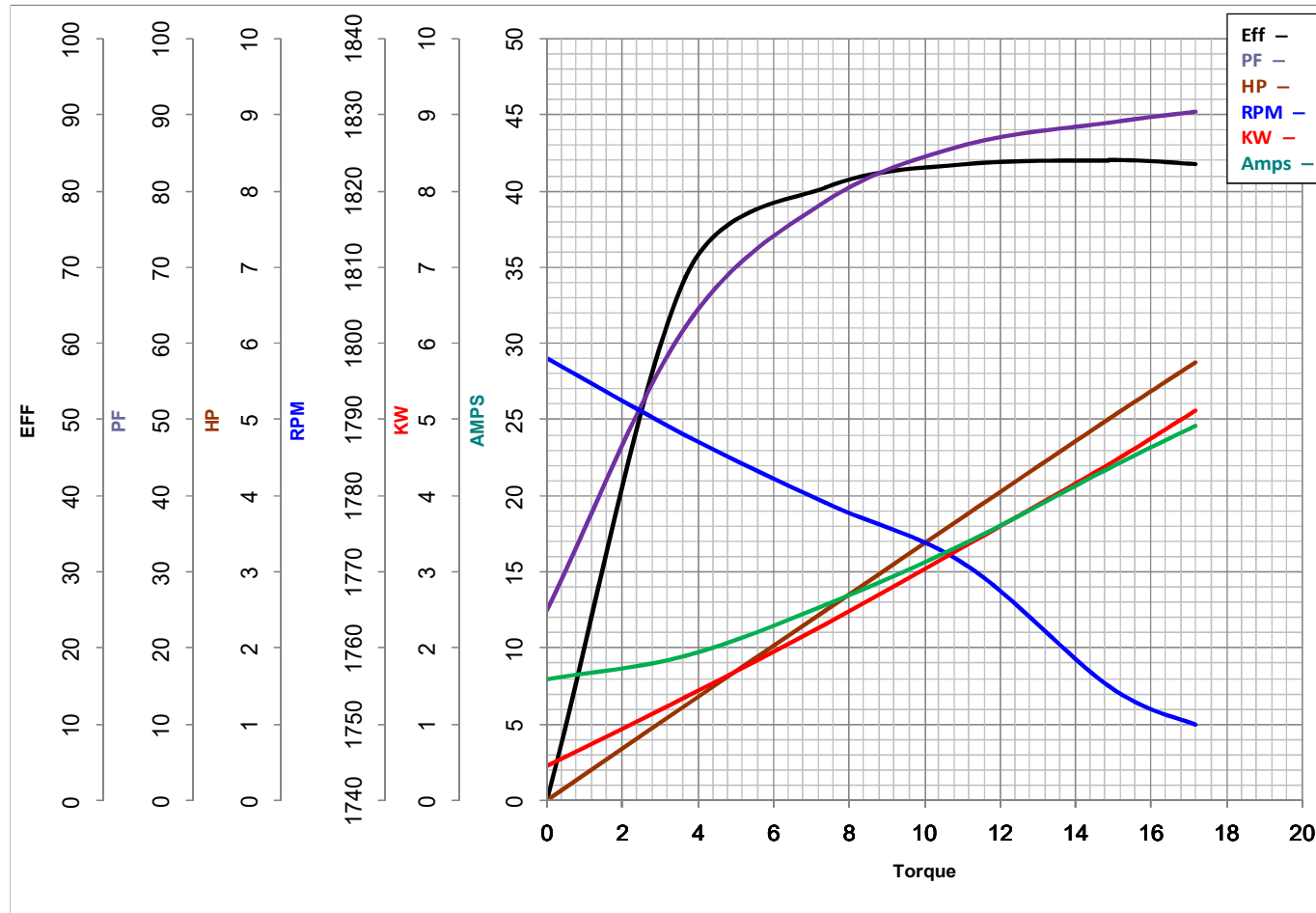
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/28/2017 06:07:51 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 PHASE 1  
 Model No 184TBFW7070 60 HZ  
5 HP VOLTS 208-230  
 Catalog No Z114A HZ 60 RPM 1755



Torque in Lb.Ft

FL TORQUE	<u>14.88</u>	Lb.Ft	FL AMPS	<u>23.8-21.8</u>	
BD TORQUE	<u>44.7</u>	Lb.Ft	PU TORQUE	<u>44.0</u>	Lb.Ft
LR TORQUE	<u>49.8</u>	Lb.Ft	LR AMPS	<u>178</u>	
WINDING	K8484-2		Date	1/10/2019	