

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 284TTDP7221

Catalog No: Y459

Other Purpose Motor, 15 & 6.67 HP, 3 Ph, 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 284T Frame, DP



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RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 6.67 Hp
Output KW	11.2 & 5.0 kW	Voltage	460 & 460 V
Speed	1770 & 1180 rpm	Service Factor	1.15 & 1.15
Frame	284T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	87.5 & 84 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	18.5 & 9.5 A	Power Factor	87.5
Duty	Continuous	Insulation Class	B
Design Code	2VT	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	2		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4//6	Rotation	Reversible
Resistance Main	1.06 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	24.44 in
Frame Length	12.75 in	Shaft Diameter	1.875 in
Shaft Extension	4.83 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7317	Outline Drawing	SS207662-1275

LOW SPEED CONNECTION:
 CONNECT T1 TO LINE 1
 CONNECT T2 TO LINE 2
 CONNECT T3 TO LINE 3
 T11-T12-T13 OPEN

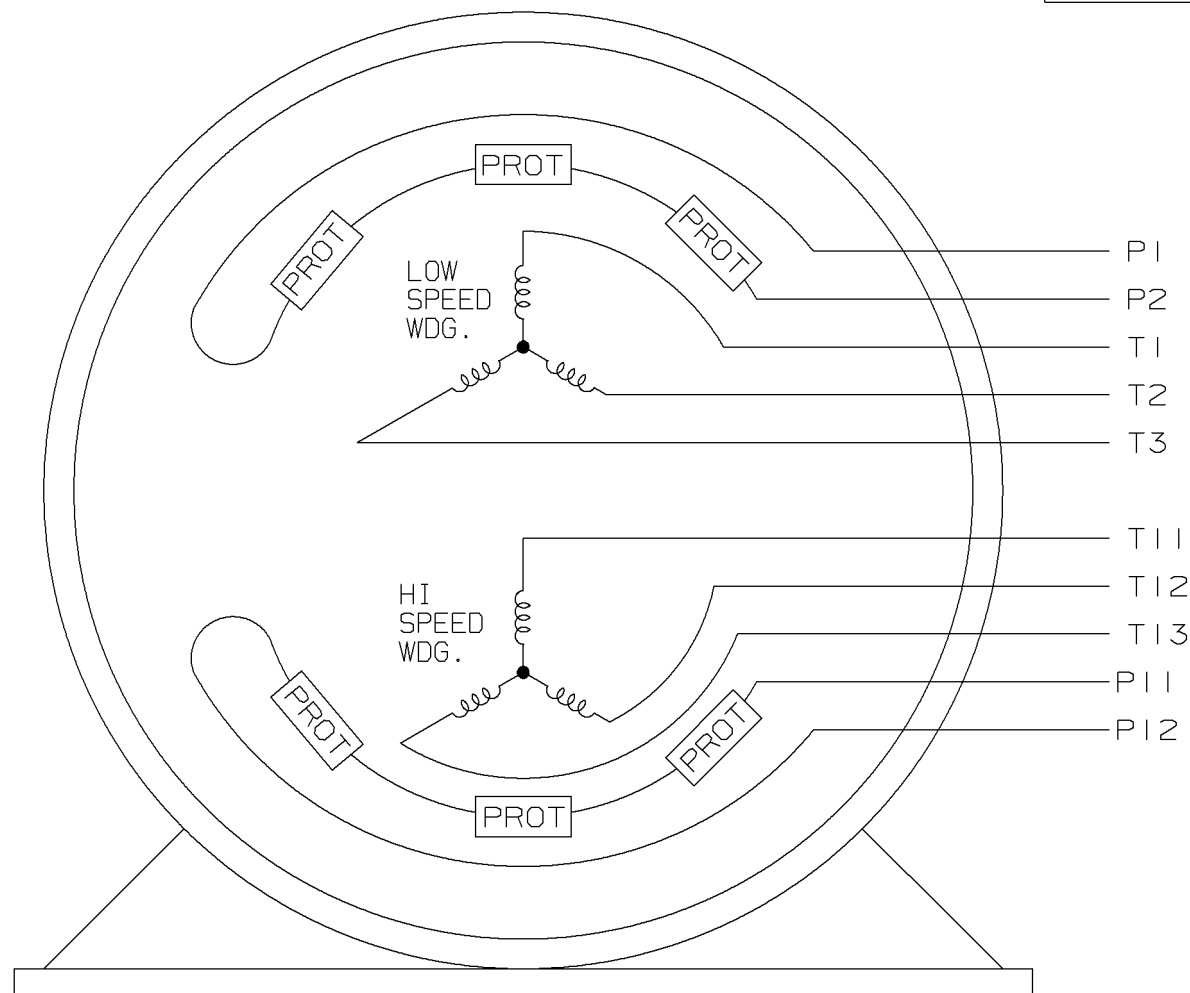
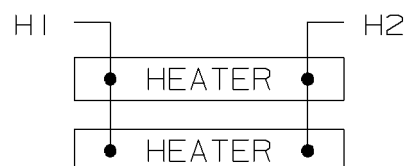
P1 & P2 CONN. TO LOW
 SPEED WDG. SENSORS.

P11 & P12 CONN. TO
 HIGH SPEED WDG.
 SENSORS.

HIGH SPEED CONNECTION:
 CONNECT T11 TO LINE 1
 CONNECT T12 TO LINE 2
 CONNECT T13 TO LINE 3
 T1-T2-T3 OPEN

IF SPACE HEATERS ARE
 REQUIRED:

CONNECT SPACE HEATERS
 IN PARALLEL, MARK
 LEADS H1 & H2



VIEW OF TERMINAL END

				125 ✓ SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL ON XX± XXX±.005 XXXX±.0005 ANGLES±		
				MATL SPEC			DRAWN BY DJK 08-15-95
				FINISH	 WAUSAU, WISCONSIN 54401		CHKD BY
I		NEW DRAWING 4311123	DJK	PART NAME CONNECTION DIAGRAM 2 WDG. - 2 SPEED			APPD BY
REV	DATE	CHANGE	NAME	DRWG NO A- EE7317Y			
		PURCHASED		DISTRIBUTION - WA - LB - WP - LM		CADD FILE NO.	EE7317Y

CERTIFICATION DATA SHEET

Model#: 284TTDP7221 AE
 CONN. DIAGRAM: A-EE7317
 OUTLINE: B-SS207936-1275

WINDING#: 256(4-6)32 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&6 2/3	11.2&5	1200	1770&1180	284T	DP	G	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	18.5&9.5	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 87.5&84	3/4 LOAD EFF: 84	1/2 LOAD EFF: 82	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.5&78.5	3/4 LOAD PF: 71.5	1/2 LOAD PF: 59	80.8	SQ CAGE IND RUN	5.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	56	54 LB-FT 180	86 LB-FT 287	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	2.2 LB-FT^2	- LB-FT^2	- SEC.	-	310 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	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6311	6210						

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

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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: 06/21/2017 10:26:05 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

460

Volts

 HP 15&6.66

 PHASE 3

 Model No 284TTDP7221
60

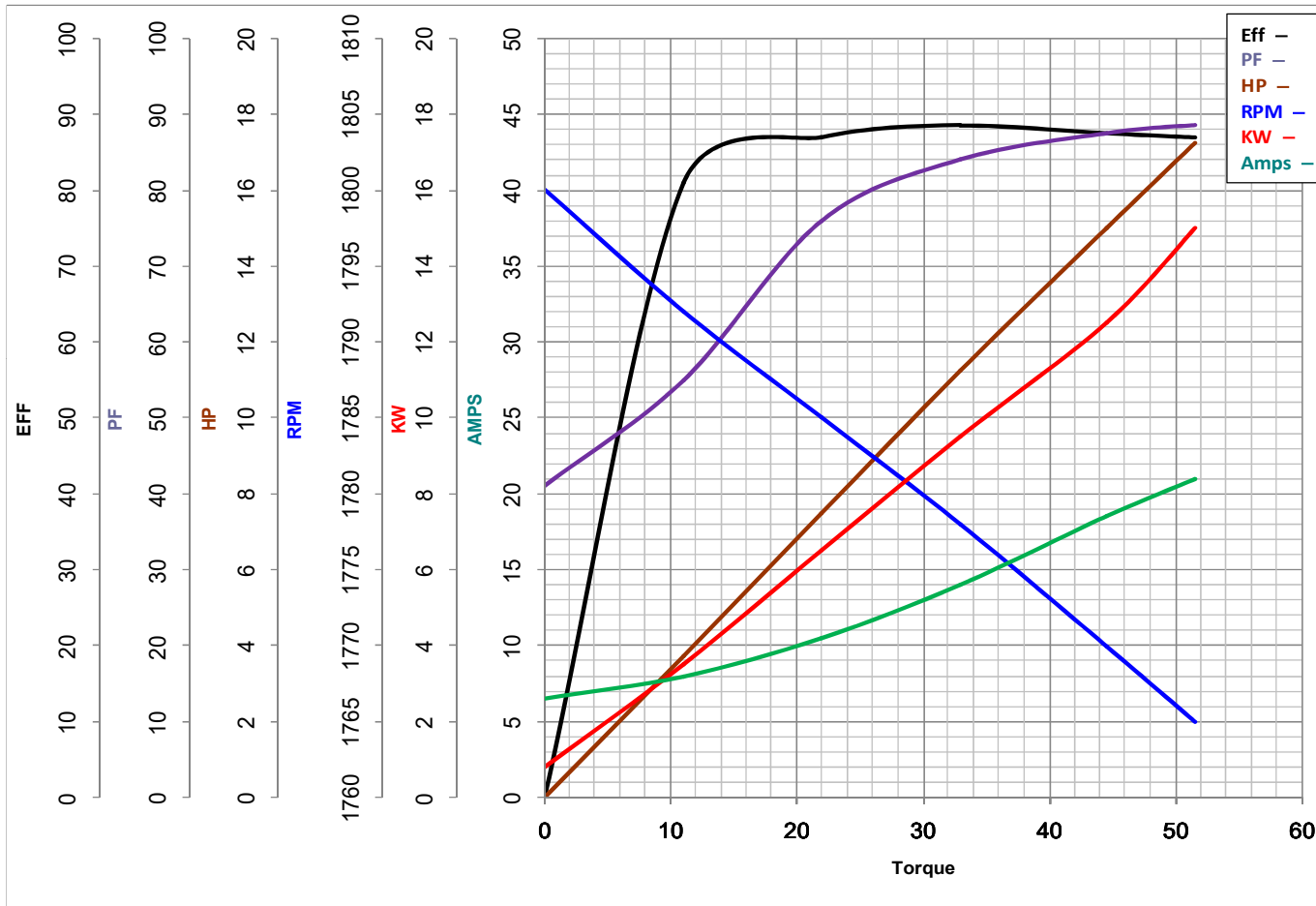
HZ

 VOLTS 460&460
15

HP

 Catalog No Y459

 HZ 60&60

 RPM 1770&1180


Torque in LB-FT

 FL TORQUE 44.5 LB-FT

 BD TORQUE 130.0 LB-FT

 LR TORQUE 70 LB-FT

WINDING 256(4-6)32-2

 FL AMPS 18.5

 PU TORQUE 70.0

 LR AMPS 116

Date 1/17/2019