

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056T17E5315
Catalog No: G665
1/3,1725,EPNV,56,3/60/575
Explosion Proof



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REGAL[®]



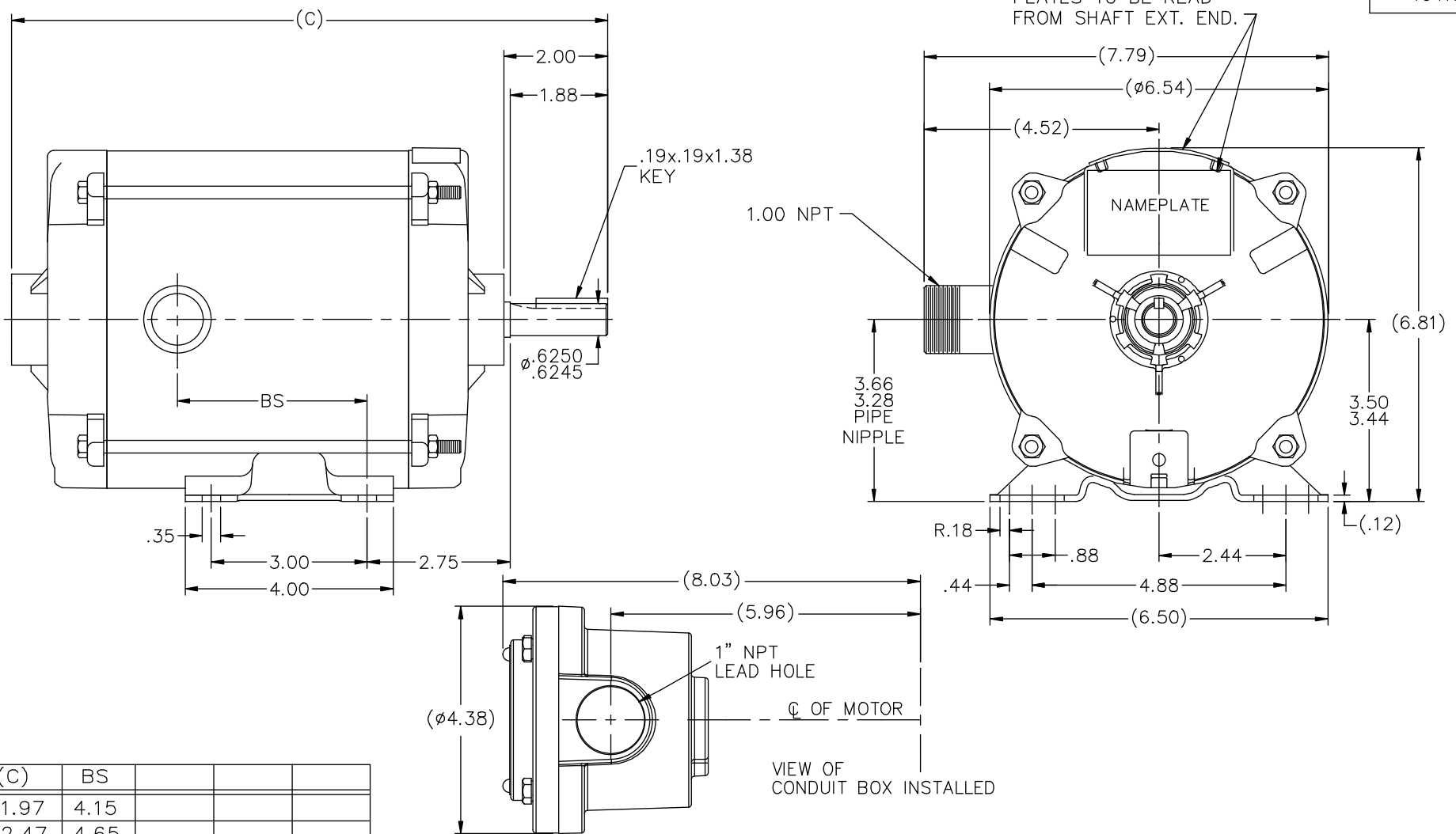
Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	575 V
Current	0.44 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	71 %	Duty	Continuous
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	K	Frame	56
Enclosure	Explosion Proof Non Ventilated	Overload Protector	Automatic
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	N	CE	N
IP Code	54		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	11.97 in	Frame Length	6.31 in
Shaft Diameter	0.625 in	Shaft Extension	2 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	B-104196-631	Connection Diagram	A-EE7335B

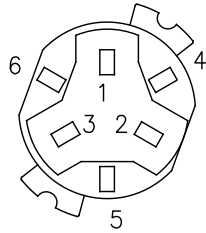
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DASH	(C)	BS			
631	11.97	4.15			
681	12.47	4.65			
731	12.97	5.15			
781	13.47	5.65			
831	13.97	6.15			
881	14.47	6.65			
931	14.97	7.15			
981	15.47	7.65			

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	INCHES	MARATHON ELECTRIC	DRAWN MH 12-10-1996
5	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD 10/15/13	ST					CHK ML 01-13-1997
4	REVISED C'BOX PER CN40784A	JJB 02/23/2007	ML	.X	±.1			APPD GK 01-13-1997
3	REDRAWN IN AUTOCAD	TAT 06-28-2004	ML	.XX	±.03		TITLE OUTLINE	SCALE 17=32
2	ADDED CONDUIT BOX VIEW CN 26686	MRB 03-22-1999		.XXX	±.005		56 FRAME - EXP. PR. - TENV - 1ø & 3ø	REF
1	NEW DRAWING CN 23099	MH 01-13-1997		.XXXX	±.0005		MAT'L.	FMF
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						DIST WP	B	104196 5

SINGLE VOLTAGE – THREE PHASE WITH OVERLOAD PROTECTOR

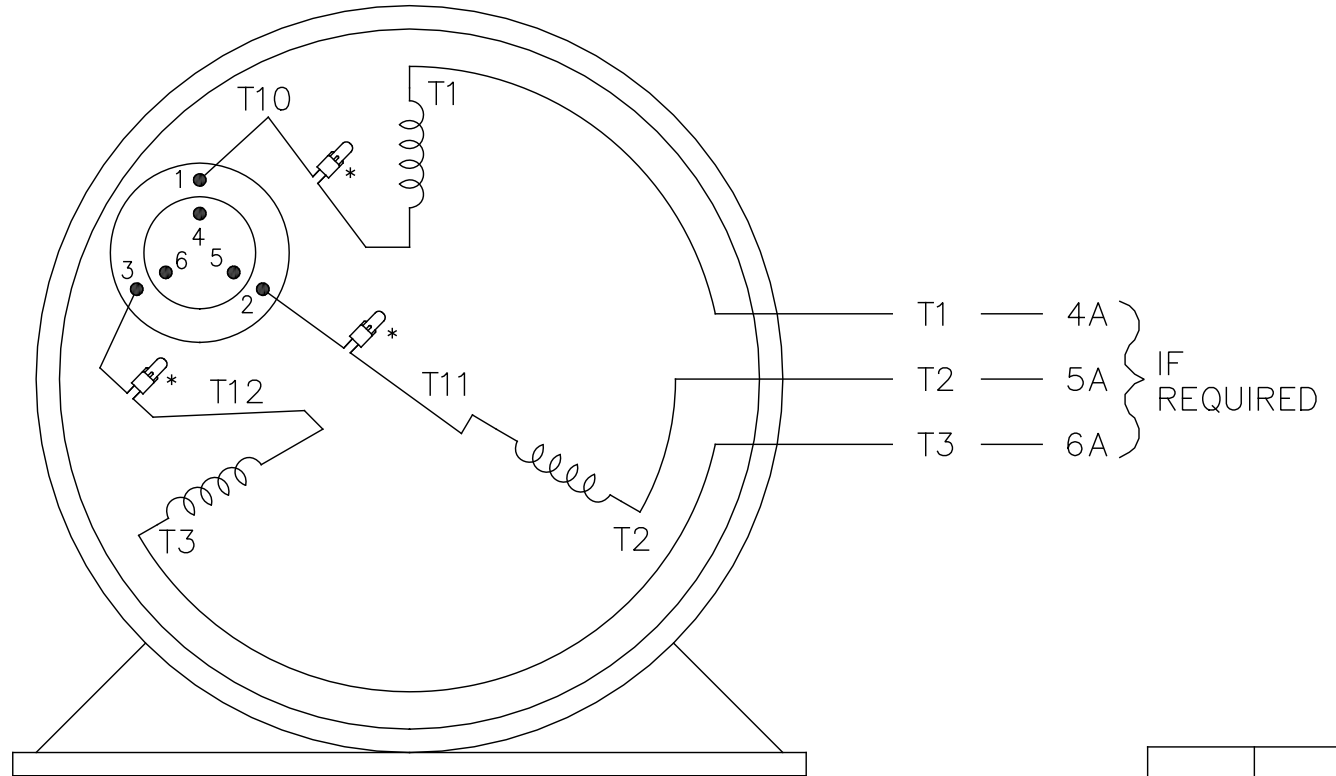


NOTE:
ACTUAL PROTECTOR
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS

NOTE:

WEST PLAINS

LEADS WITH TERMINALS
SHOULD BE CONNECTED
TO INBOARD SIDE OF
TERMINAL BOARD.



VIEW OF TERMINAL END

–TO REVERSE ROTATION–
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS

OPTIONAL CORD
CONNECTION

L1 — WHITE —
L2 — RED —
L3 — BLACK —

		T6CK
T6CA	T6BM	
T4CC	T4AY	
T4C	T2DL	
T6D	T2H	

* USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

NO.	REVISION	BY & DATE	CHK	ANG	±	–	FINISH	PREV
11	ADDED THE OPTIONAL CORD CONNECTION	JAH 11-12-2014	RD					
10	PRESSURE CONNECTORS ADDED (QTY 3)	PVR 07-09-2014	GR					
9	ADDED 4A, 5A, & 6A "IF REQUIRED" MU44987	MSG 01-07-2002	SAS	.X	±	–		
8	ADDED ACTUAL PROTECTOR VIEW CN 17481	KL 05-18-1994		.XX	±	–		
7	REWORDED WEST PLAINS NOTE – PER WEST PLAINS	DD 01-12-1994		.XXX	±	–		
6	REDRAWN ON CAD – "WEST PLAINS" NOTE ADDED	KL 08-26-1993		.XXXX	±	–		

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RFP
DIST LB-WP
CAD FILE EE7335B

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TITLE CONNECTION DIAGRAM
SINGLE VOLT – 3Ø WITH OVERLOAD PROT.

CERTIFICATION DATA SHEET

Model#: 56T17E5315 E **WINDING#:** ZT493 NONE 2
CONN. DIAGRAM: A-EE7335B **ASSEMBLY:** F1 ONLY
OUTLINE: B-104196-631

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1800	1725	56	EPNV	N	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	.44	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 71	3/4 LOAD EFF: 68	1/2 LOAD EFF: 60.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 61.5	3/4 LOAD PF: 53	1/2 LOAD PF: 42.5	67.5	SQ CAGE IND RUN	.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0.75 LB-FT	2.9	3.1 LB-FT 413	3.7 LB-FT 493	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.038 LB-FT^2	2 LB-FT^2	15 SEC.	2	21 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	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

If Inverter equals NONE, contact factory for further information

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N
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S
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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

