

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056T17W99029
Catalog No: N293A
1 1/2, 1800, TEFC, 56HC, 3/60/230/460
Washdown Duty



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REGAL

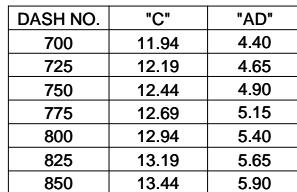


Nameplate Specifications

Output HP	1.5 Hp	Output KW	1.12 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.8/2.4 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	L	Frame	56HC
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	4	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	STAINLESS STEEL	Shaft Type	STANDARD 56
Overall Length	12.69 in	Frame Length	7.75 in
Shaft Diameter	0.63 in	Shaft Extension	2.07 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	028926-775	Connection Diagram	005010.01ME



TOLERANCES UNLESS OTHERWISE SPECIFIED:



<u>DEC.</u>	<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>
.X	±0.1	[±2.5]	±0.5
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°

CORNER FILLETS: R.02 [1.51]

MACHINED SURFACES: $\frac{125}{\text{INCH}} \sqrt{\text{mm}}$ 3.2

mm SHOWN IN [BRACKETS]

DRAWN BY LST 12/8/08		 Regal Beloit America, Inc.	
DATE			
APPROVED BY		DESCRIPTION OUTLINE TEFC RIGID "C"	
DATE			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER 028926	SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		 MARATHON ELECTRIC	DRAWN RDW 04/12/02		
				DEC.	INCHES		CHK		
				.X	±.1		APPD		
				.XX	±.01		SCALE 1=1		
				.XXX	±.005		REF FIG.2-51		
				.XXXX	±.0005	MAT'L. DECAL - 004014		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	04/12/02	CAD FILE 00501001ME		SIZE A	DRAWING NO. 005010-01ME	REV.
			DIST						

CERTIFICATION DATA SHEET

Model#: 56T17W99029 AA **WINDING#:** T634341 FR 3
CONN. DIAGRAM: 005010.01ME **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: 028926-775

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1800	1750&1450	56HC	TEFC	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	4.8/2.4&3.6/1. 8	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&86.5	3/4 LOAD EFF: 87.2	1/2 LOAD EFF: 84.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 67.7&69	3/4 LOAD PF: 67.3	1/2 LOAD PF: 55.2	0	SQ CAGE INV RATED	2.5 / 1.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	37 / 18.5	17.2 LB-FT 382	20.4 LB-FT 453	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.14 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	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	NONE	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL
BALL	BALL						
6205	6205						

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: CONSTANT 3:1		
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

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 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.