# **PRODUCT INFORMATION PACKET**

Model No: 080T17FH15414 Catalog No: R373A 1 HP General Purpose, 3 phase, 1800 RPM, 230/460 V, 80C Frame, TEFC Aluminium TEFC Motors





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# marathon®

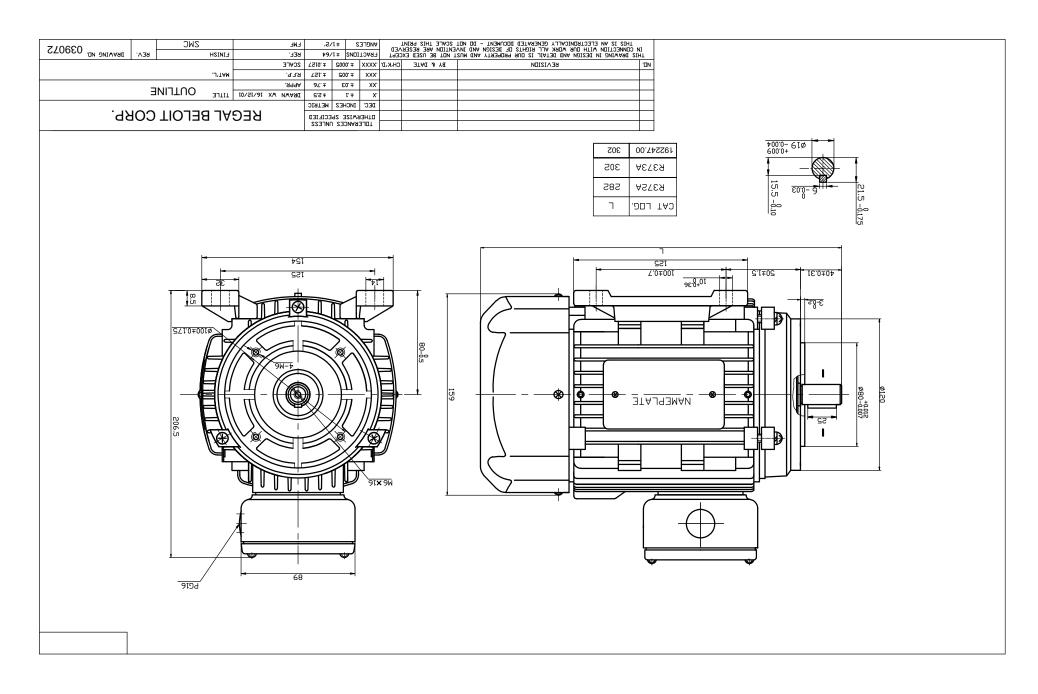
## Nameplate Specifications

Output HP	1 Нр	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1740 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Power Factor	72
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	J
Frame	80C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6204	Opp Drive End Bearing Size	6204
UL	Recognized	CSA	Ν
CE	Υ	IP Code	55

## **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	IEC	Overall Length	11.88 in
Frame Length	6.10 in	Shaft Diameter	0.750 in
Shaft Extension	1.57 in	Assembly/Box Mounting	F3
Outline Drawing	039072-R327A	Connection Drawing	00546501ME

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										00546	65ME	-01
								EC N	1ARK	INGS		
						LOW	/ VOLTA	AGE		HIGH V	OLTAG	E
U1(T1) U5(T7)						U2 (0) (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	2V2 w2 U2 (V1) 1 v5 L2 w	(V2) (W1) /1W5L3		-		(2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
						LINE VOLTAGE	L1	L2	L3		JOIN	
V2(T5)						TERMINAL	U1	V1	W1	W2	U2	V2
						LOW	U1,U5	V1,V5	W1,W5		J2,V2,₩2	
U2(T4)						HIGH	U1	V1	W1	U2,U5	V2,V5	W2,W5
		(TO)	\ \					NEMA		RKINC		
W2(T6)	<u> </u>	(T2)	)			LOW	/ VOLTA	AGE		HIGH V	OLTAG	E
W5(T9)	V5(T8	3)				(w2)	T4 T5 T6	(v2)	<sup>⊤4</sup> 	T7 T5		5 T9
W1(T3)							V1 L2 T8 T2	(W1) (1) L3 T9 T3			1 T2 L	<u>w1</u> 3 T3
REF. DECAL (IEC) 080644						LINE VOLTAGE	L1	L2	L3		JOIN	
REF. DECAL (NEMA) 080446						TERMINAL	U1	V1	W1	W2	U2	V2
						LOW	т1, т7	T2, T8	тз, т9		T4,T5,T6	
						HIGH	T1	T2	Т3	T4, T7	T5, T8	T6, T9
			DEC.	ERANCES S SPECIFIED INCHES						снк з	JGO 3, B 02-1	7–2010
			.x .xx	±.1 ±.01		ERNAL WIR				5 APPD I SCALE	MJS 02-1 1=	
			.xxx	±.005	3 PHASE – D				M BLOC			- 1
			.xxxx	±.0005	MAT'L.	IEC/NEMA	MARKING	S		FMF		
NO. REVISION	BY & DATE	снк	ANG	±1/2°	FINISH					PREV		
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#### CERTIFICATION DATA SHEET

Model#:	80T17FH15414 A	WINDING#:	QT8047 FR 3
CONN. DIAGRAM:	00546501ME	ASSEMBLY:	F3
OUTLINE:	039072		

### TYPICAL MOTOR PERFORMANCE DATA

HP		ĸw	SYN	C. RPM	F.L. RPM	FRAME	EN	CLOSURE	KVA CO	DDE	DESIGN
1&1		.75&.75	1	800	1740&1420	D80C		TEFC	J		NO DESIGN CODE
PH	Hz	v	DLTS	FL AMPS	START TYPE	DUTY	INSL	s	F	AMB°C	ELEVATIO
3	60/50	230/4	60#200/	3.0/1.5&3.4	/1. ACROSS THE	CONTINUOU	F5	1.15	1.15	40	3300
			400	7	LINE	S					
FULL LOAD 85.5&82		3/4 LOA	D EFF: 84	.9 1/2	LOAD EFF: 85.5	GTD. E	FF	ELEC	TYPE	NO	LOAD AMPS
FULL LOAD P	F: 72&73	3/4 LO	AD PF: 68	3 1/2	LOAD PF: 55.6	0		SQ CAGE	IND RUN		1.7 / .9
<b>EL T</b> 0	DOUE										DISENC

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	19.8 / 9.9	8.5 LB-FT 283	10 LB-FT 333	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT	
0 dBA	10 dBA	0.63 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.	

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIEN	NTATION		ERE JTY	HAZARD LOCAT		DRIP COVER	SCREENS	PAINT
B14	STANDARD	RIGID	HORI	ZONTAL	FAI	LSE	NON	E	FALSE	NONE	BLUE (ENAMEL)
BE	ARINGS	GREAS	E	SHAFT	TYPE	SPEC	CIAL DE	SPE	CIAL ODE	SHAFT	FRAME
DE	OPE									MATERIAL	MATERIAL
BALL	BALL	POLYREX	EM	STANDA	RD IEC	N	ONE		NONE	AISI 1045 (C-240)	ALUMINUM
6204	6204										

	THERMO-PF	ROTECTORS		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

	monnauon	
INVERTER TORQUE	E: NONE	
INV. HP SPEED RAM	NGE: NONE	
ENCODER: NONE		
NONE NONE		
NONE NONE PPR		
BRAKE: NONE	NONE	
NONE P/N NO	ONE	
NONE NONE		
NONE FT-LB	NONE V	NONE Hz

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