PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 404TTGS6588, Catalog No:E574 Hazardous Duty® Explosion Proof Motor, 60 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 404T Frame, EPFC

marathon®

Nameplate Specifications

Phase	3	Output HP	60 Hp
Output KW	45.0 kW	Voltage	230/460 V
Speed	1185 rpm	Service Factor	1.00
Frame	404T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	94.5 %
Ambient Temperature	50 °C	Frequency	60 Hz
Current	144.0/72.0 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.111 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	35.62 in
Frame Length	15.25 in	Shaft Diameter	2.875 in
Shaft Extension	7.5 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	B-SS518777-1525	Connection Drawing	A-EE7308AD

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CERTIFICATION DATA SHEET

Model#:	404TTGS6588 AR	WINDING#:	T404640 NONE 1
CONN. DIAGRAM:	A-EE7308AD	ASSEMBLY:	F1 ONLY
OUTLINE:	B-SS518777-1525		

TYPICAL MOTOR PERFORMANCE DATA

										_						
HP		ĸw	1	SYN	IC. RPM		F.L. RPM	FRAM	E	EN	CLOSU	RE	KVA COD			DESIGN
60		45		1	1200 1185		1185	4047	-		EPFC		G			В
			ı——]]]
PH	н	lz	vo	LTS	FL AM	MPS	START TYPE	DUTY		INSL		S	.F	AM	B°C	ELEVATION
3	6	60	230	/460	144/	72	LINE OR	CONTINU	DU	F1		1.	15	4	10	3300
]				INVERTER	S								
FULL LOAD EFF: 94.5 3/4 LOAD EFF: 9		5	1/2 LOAD EFF: 95		GTD. EFF		E	ELEC. TYPE			NO LOAD AMPS					
FULL LOAD	PF: 83	3	/4 LOAD) PF: 78.	.5	1/2 LOAD PF: 70		g	4.1		SQ C	Q CAGE INV RATED		ED	53 / 26.5	
			·													
F.L. TO	RQUE		LOC	KED RC	DTOR AN	/IPS	PS L.R. TOP		E B.D. TORQUE			F.L. RISE°C				
266 L	6 LB-FT 870 / 435		435	535 LB		-FT 201 650 LE		50 LB-F) LB-FT 244			60				
SOUND PRES	SURE	SOUN	D POW	ER	ROTOF	R WK^2	2 MAX.	WK^2	SAF	E STALL	TIME		START	s	AP	PROX. MOTOR
@ 3 FT.													/HOUR	२		WGT
68 dBA		7	'8 dBA	3 dBA 33.5		B-FT^2	1000 LB-FT^2			25 SEC.	5 SEC. 2				1125 LBS.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM	EXP PROOF CL	FALSE	NONE	BLUE (EPOXY)
				SEVERE DUTY	I GR C&D CL II			
					GR F&G T3B			

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT	CAST IRON
6316	6313					ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information Г

INVERT	ER TORQUE	: CONST	ANT 10:1	
INV. HP	SPEED RAN	IGE: 1.5)	K BASE SPEE	D
ENCOD	ER: NONE			
NONE	NONE			
NONE	NONE PPR			
BRAKE:	NONE	NONE		
NONE	P/N NC	DNE		
NONE	NONE			
- FT-LB	NON	ΕV	NONE Hz	

** Subject to change without notice.

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Certificate Number Report Reference Issue Date	20220524- E12044 E12044-19750529 2022-MAY-24
U U Issued to:	REGAL BELOIT AMERICA INC 1946 W COOK RD FORT WAYNE IN 46818 Tradename: Marathon
This certificate confirms that representative samples of	MOTORS FOR USE IN HAZARDOUS LOCATIONS Electric motors for use in hazardous locations; Class I, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 404TTGS6588 (may have prefix and/or suffix characters).
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 674 - Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations, CSA C22.2 No. 145, Electric Motors and Generators for Use in Hazardous (Classified) Locations
Additional Information:	See the UL Online Certifications Directory at <u>https://iq.ulprospector.com</u> for additional information.

CERTIFICATE OF COMPLIANCE

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

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Bruce Mahrenholz, Director North American Certification Program

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