

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 256TTFCD6028
Catalog No: GT1225A
20,1800,TEFC,256TC,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



Nameplate Specifications

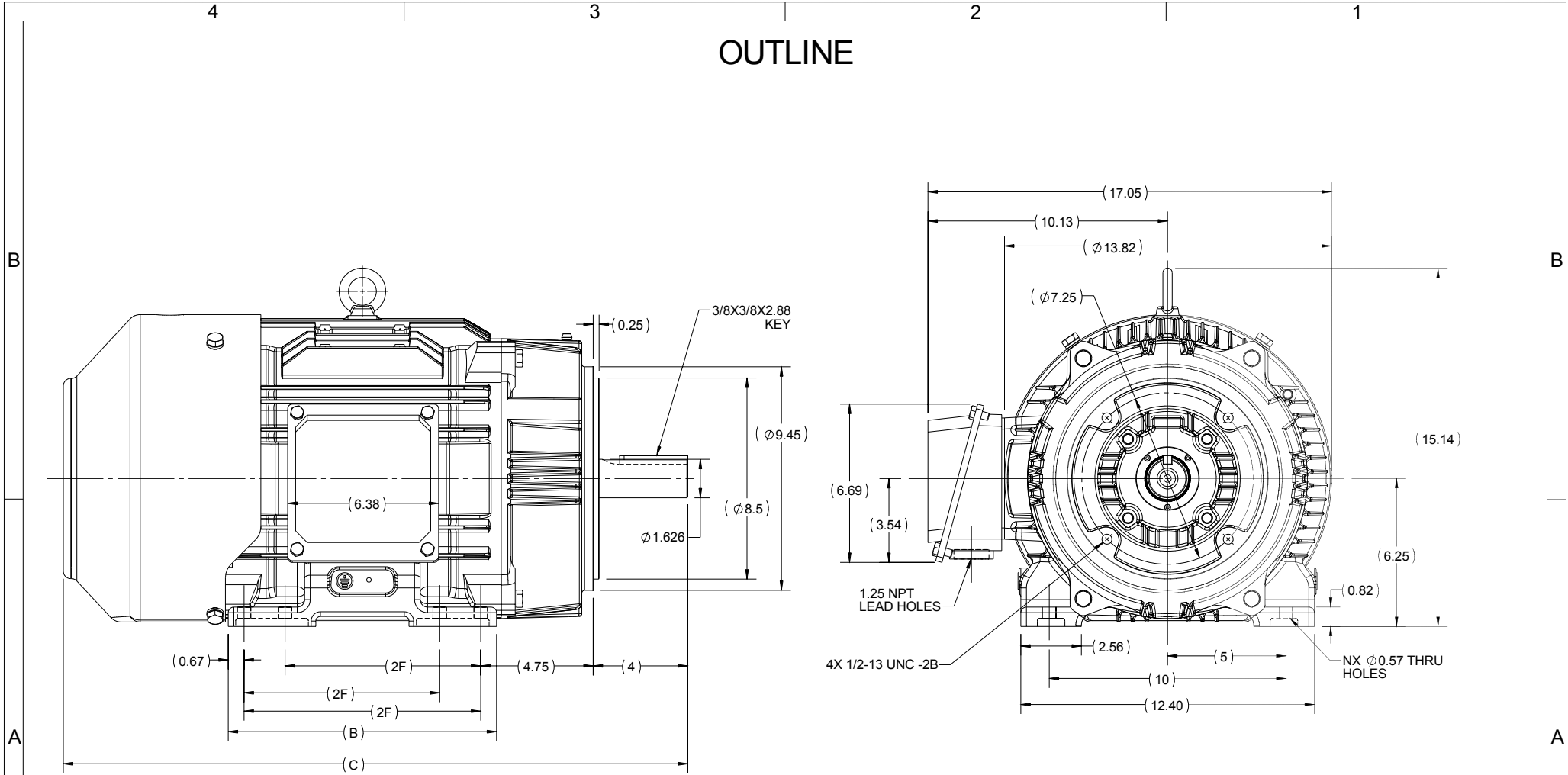
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	48.5/24.2 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	256TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6209	UL	Listed
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Frame Length	11.73 in	Shaft Diameter	1.626 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS620700	Connection Diagram	A-EE7308K

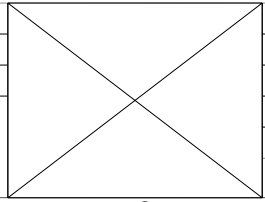
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OUTLINE




256TC	11.34	26.39	10	8
254TC	9.60	24.65	8.25	4
FRAME	B	C	2F	N

DRAWING REVISION A	REVISION BY UDAY	DATE 08/09/2015
ECO ECO-0084584	APPROVED BY SBD	DATE 08/09/2015
ECO DESCRIPTION NEW DRAWING RELEASE		
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DRAWN BY SMAR
DATE 06/07/2015
APPROVED BY SBD
DATE 06/07/2015
REFERENCE
THIRD ANGLE PROJECTION

 REGAL-BELOIT CORPORATION	
DESCRIPTION OUTLINE	
254/256TC FR-TEFC-CAST IRON	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS620700
	SHEET 1 OF 1

LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		REGAL REGAL - BELOIT CORPORATION		DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	±	FINISH		SCALE	PREV	
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES			CHK	ML 06-05-1997	
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	±.1			APPD	GK 06-15-1997	
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	±.02	TITLE	CONNECTION DIAGRAM	REF		
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	±.005		DELTA CON. - 3Ø - 9 LEADS	FMF		
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	±.0005	MAT'L.				
					±7'30"					
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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER P.O. #:
 ORDER #: A-EE7303K
 REFERENCE MODEL #: 256TTFCD06028
 CONN. DIAGRAM: B-SS620700
 CAT #: GT1225A
 OUTLINE: HE31604010 NONE 2
 CUSTOMER PART #:
 WINDING: HE31604010 NONE 2
 MOUNTING: F1/F2 CAPABLE
 SPEED:
 TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
20	14.9	1800	1768	256TC	TEFC	TFC	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	484/242&44 5/22.3	LINE OR INVERTER	CONT	F	1.15	40	3300
	F.L. EFF	93.0	3/4 LD EFF	93.0	1/2 LD EFF	91.7	GTD EFF	ELECT. TYPE	
	F.L. PF	83.5	3/4 LD PF	79.0	1/2 LD PF	69.0	92.4	SQ CAGE INV RATED	
	F.L. TORQUE	LR AMPS @ 460 V	LR TORQUE	B.D. TORQUE	F.L. RISE (°C)				
	59.4 LB-FT	144	119 LB-FT	200%	146 LB-FT	246%	60		
	@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT		
	65 DBA	74 DBA	3.8 LB-FT²	125 LB-FT²	20 SEC.	2	455 LB.		

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE (ENAMEL)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
DE ODE	BALL	POLYREX EM	T	NONE	1045 HOT ROLLED (C-204)	CAST IRON		
BALL	6309							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.341	0.203	1.037	1.25	26.98	0.150	ODE

INVERTER TORQUE: CONSTANT 10:1
 INV. HP SPEED RANGE: NONE

ENCODER:	NONE
FT-LB:	NONE
VOLTAGE:	NONE
BRAKE:	NONE
FT-LB:	NA
VOLTAGE:	NONE
UL:	V-INS, CONST UL REC

PREPARED BY: FAREEDA DUDEKULA
 DATE: 5/3/2018

