

Close-Coupled Pump Motors

Model No: 215TTFBD6020

Catalog No: GT31111

Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 215JM
Frame, TEFC

Product Information Packet: Model No: 215TTFBD6020, Catalog No: GT31111 Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 215JM Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	3530 & 2944 r/min	Synchronous RPM	3600 & 3000 r/min
Service Factor	1.15 & 1.15	Frame	215JM
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	91.7 & 91 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	35/17.4 & 29/14.5 A
Power Factor	88	Duty	Continuous
Insulation Class	F	Design Code	A
KVA Code	J	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Listed
CSA	Y	CE	Y
IP Code	43	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

Technical Specifications

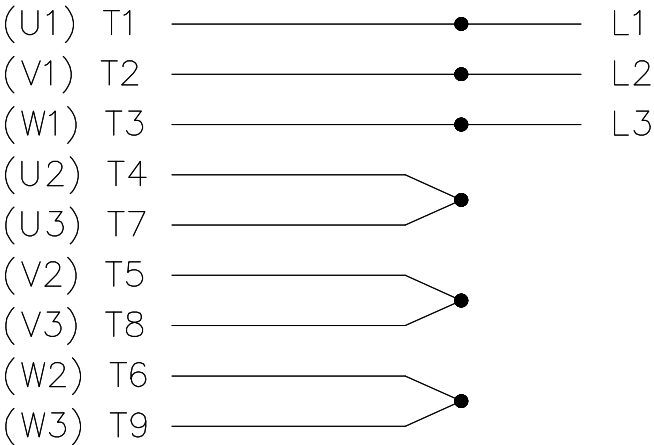
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.56 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Shaft Diameter	0.875 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2:1/Variable 10:1

Drawings

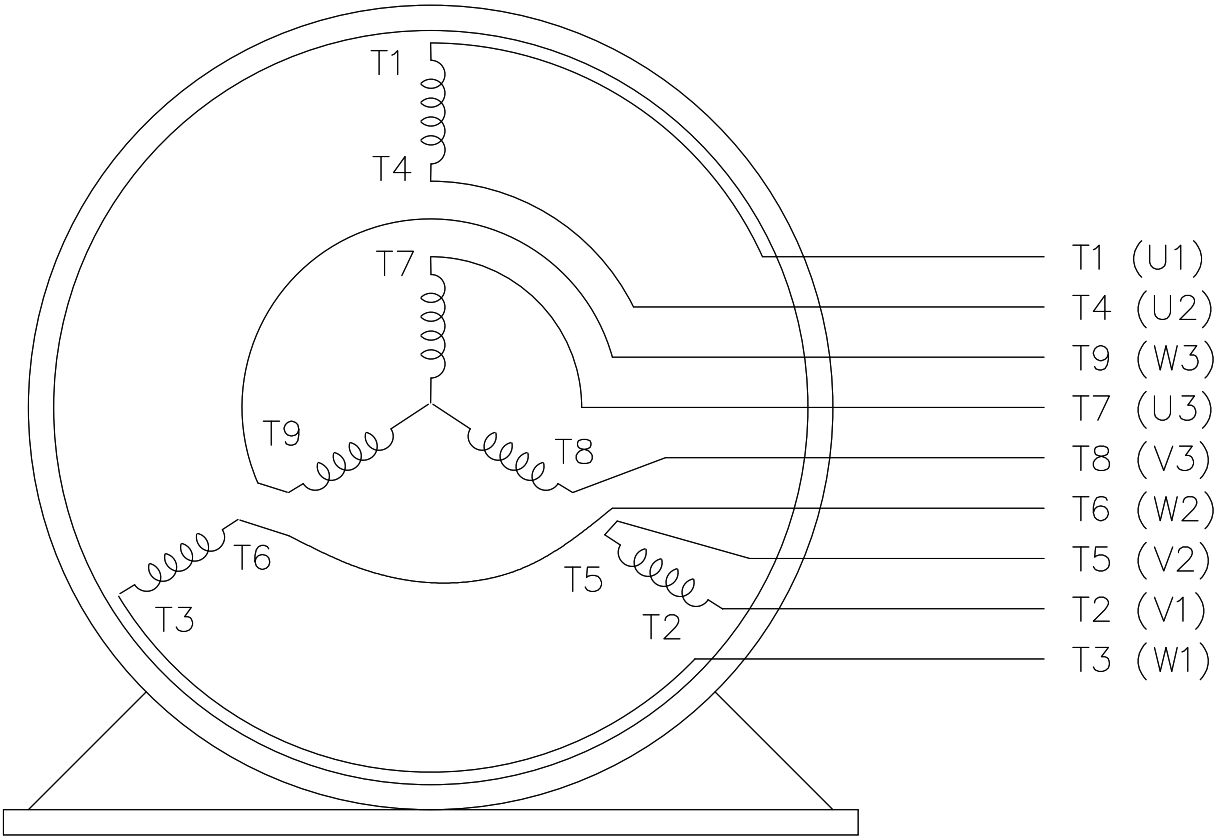
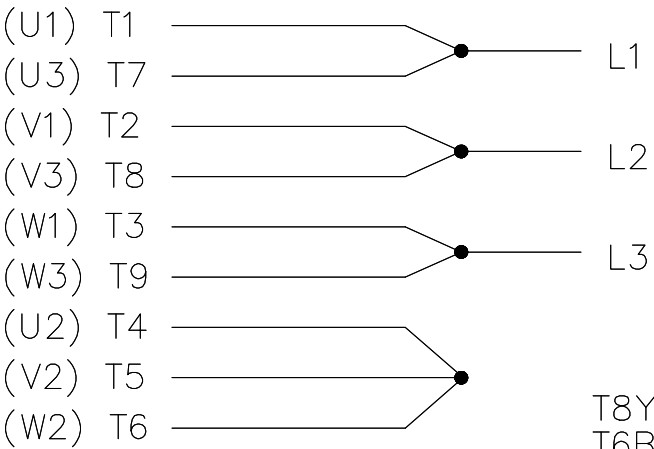
Connection Drawing	EE7308	Outline Drawing	SS620824-200
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THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

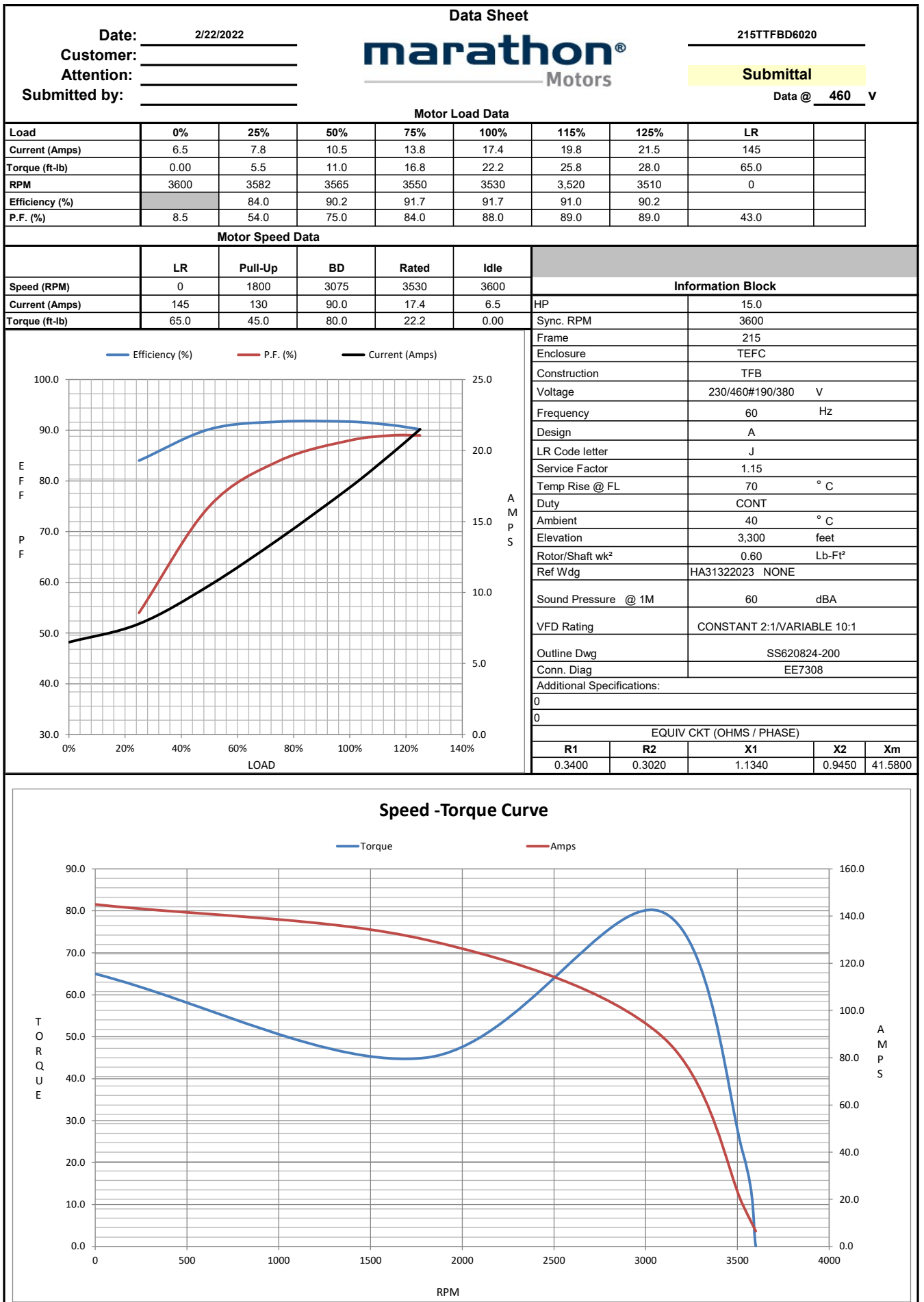
L1 WHITE
L2 RED
L3 BLACK

DRAWING REVISION J	REVISION BY SB	REV DATE/ © DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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PRIMARY DIMENSIONS ARE INCH
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ARE FOR REFERENCE ONLY

DRAWN BY RM
DATE 11/20/1990
APPROVED BY SAS
DATE 04/24/2003
REFERENCE
THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø - DUAL VOLTAGE MOTOR		
MATERIAL		PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7308	SHEET 1 OF 1
4 of 6		





P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308
OUTLINE: SS620824-200
WINDING: HA31322023 NONE 1
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 215TTTBD6020
CAT #: GT3187
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
15	11.2	3600	3530	215JM	TEFC	TFB	J	A	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	35/17.4&29/14.5	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF		91.7	3/4 LD EFF	91.7	1/2 LD EFF	90.2	GTD EFF	ELECT. TYPE	
F.L. PF		88.0	3/4 LD PF	84.0	1/2 LD PF	75.0	89.5	SQ CAGE INV RATED	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
22.2	LB-FT	145		65.0	LB-FT	293%	80.0	LB-FT	360%
SOUND PRESSURE @ 3 FT.		SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR WGT
60	dBA	69	dBA	0.60	LB-FT²	18	LB-FT²	10	SEC.
*** SUPPLEMENTAL INFORMATION ***									
DE BRACKET TYPE		ODE BRACKET TYPE		MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS
C-FACE		STANDARD		RIGID	HORIZONTAL	NO	DIVISION 2 T2B	YES	NONE
BEARINGS		GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE	
DE	ODE	POLYREX EM		JM		NONE		NONE	
BALL	BALL							1045 HOT ROLLED (C-204)	
6309	6206							ROLLED STEEL	
THERMOSTATS		PROTECTORS		WDG RTD's		BRG RTD's		THERMISTORS	
NONE		NOT		NONE		NONE		NONE	
R1 (ohms/ph)		R2 (ohms/ph)		X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)	
0.34		0.302		1.134		0.945		41.58	
VIBRATION (in/sec)		FLOAT							
0.150		ODE							
* N O T E S *									
		INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
		ENCODER: NONE NONE NONE							
		BRAKE: NONE NONE NONE							
		FT-LB: NA VOLTAGE: NONE							
		H2:							
PREPARED BY:		DATE: 2/22/2022							
FORM: 3531 REV. 4		2/27/06							
		UL: NO LETTER - ME, WUXI TEFC BLUEWHALE CLASS 1 DIV. 2 UL LISTED							