

Brake Motors

Model No: 215TTDBD6341

Catalog No: K572

Brake Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 215T Frame, DP

Product Information Packet: Model No: 215TTDBD6341, Catalog No: K572 Brake Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 215T Frame, DP

Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	208-230/460 & 190/380 V
Speed	1768 & 1470 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.15 & 1.15	Frame	215T
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	91.7 & 91 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	27.7-25.4/12.7 & 23.4/11.7 A
Power Factor	80.1	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6307	UL	Recognized
CSA	Y	CE	Y
IP Code	22	Number of Speeds	1

Technical Specifications

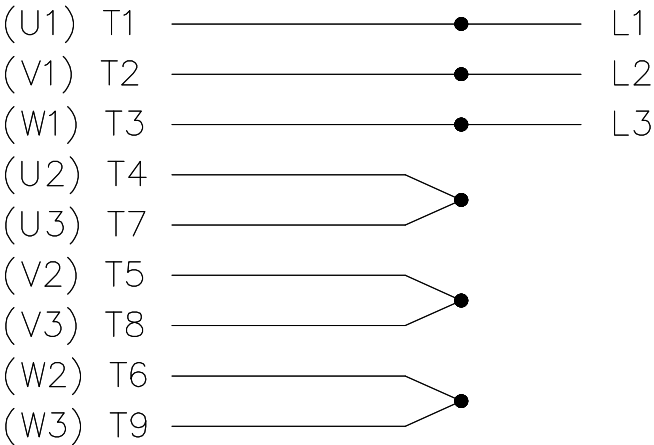
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.217 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	1.375 in
Assembly/Box Mounting	F1/F2 Capable		

Drawings

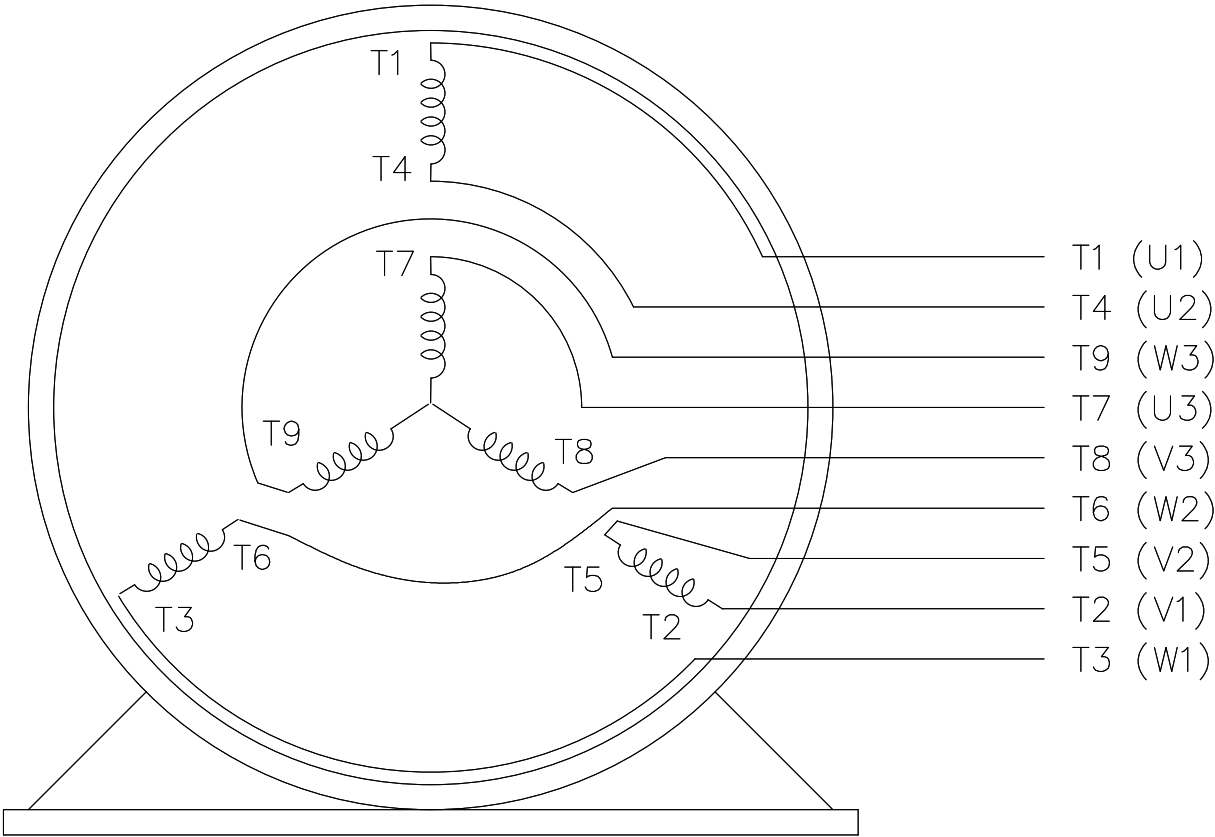
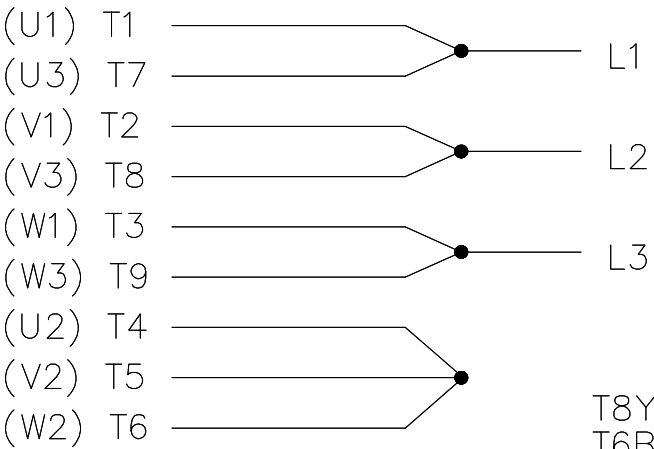
Connection Drawing	EE7308	Outline Drawing	SS621185
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THREE PHASE
DUAL VOLTAGE MOTOR

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

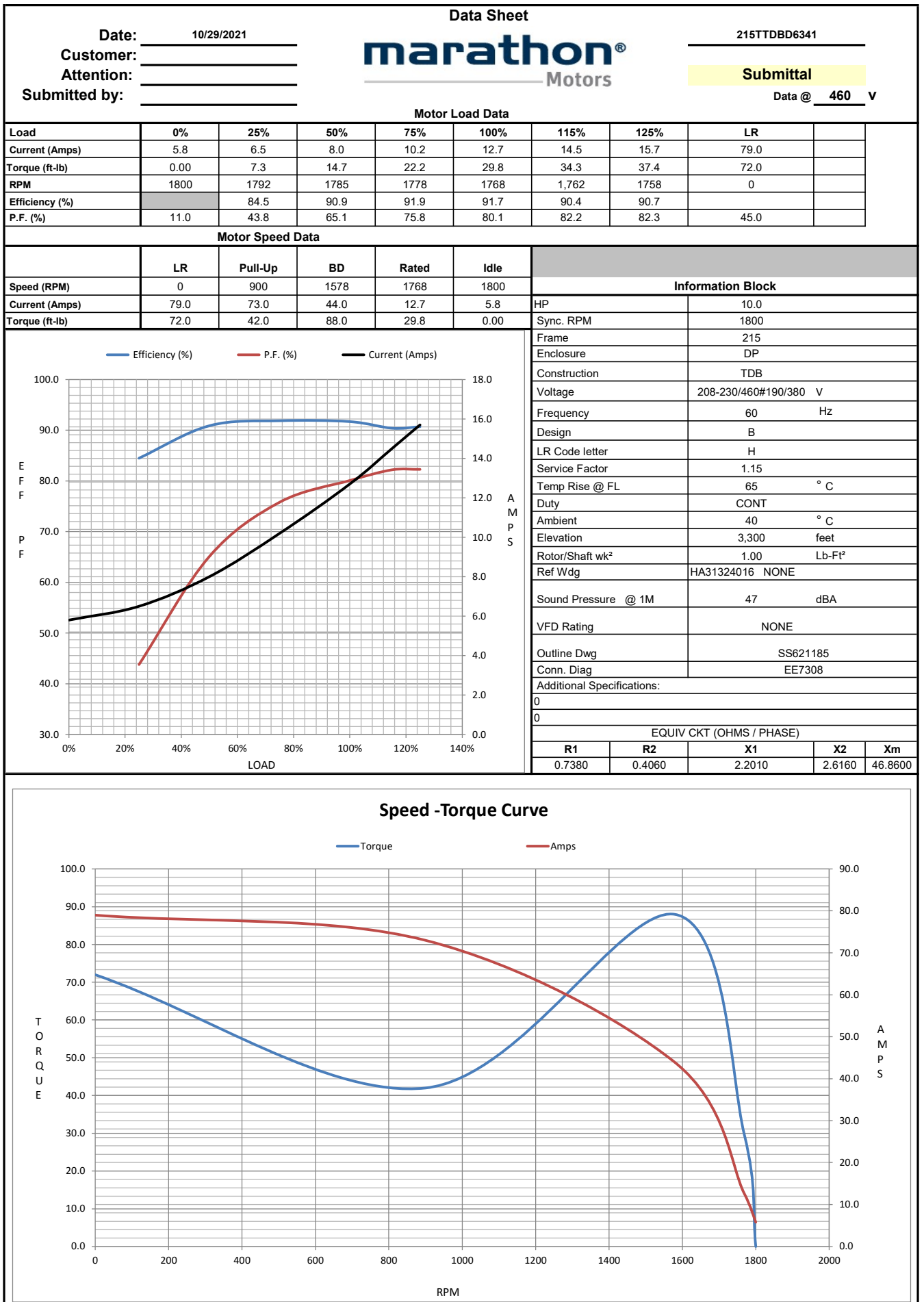
L1 WHITE
L2 RED
L3 BLACK

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
3 of 5		





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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:**ORDER #:****CONN. DIAGRAM:****OUTLINE:****WINDING:****SPEED:**

EE7308

SS621185

HA31324016 NONE 2

CUSTOMER P.O. #:**REFERENCE MODEL #:****CAT #:****CUSTOMER PART #:****MOUNTING:**

215TTDBD6341

K572

F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	1800	1768	215T	DP	TDB	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	27.8-25.4/12.7&23.4/11.7	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	91.7	3/4 LD EFF	91.9	1/2 LD EFF	90.9	GTD EFF	ELECT. TYPE
F.L. PF	80.1	3/4 LD PF	75.8	1/2 LD PF	65.1	91.0	SQ CAGE IND RUN

F.L. TORQUE		LR AMPS @ 460 V	L.R. TORQUE		B.D. TORQUE		F.L. RISE (° C)	
29.8	LB-FT	79.0	72.0	LB-FT 242%	88.0	LB-FT 295%	65	

SOUND PRESSURE @ 3 FT.	SOUND	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR WGT
47 dBA	56 dBA		1.00 LB-FT ²	79 LB-FT ²	15 SEC.	2	140 LB.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	BRAKE	RIGID	HORIZONTAL	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE ODE							
BALL BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		ROLLED STEEL
6307 6307							

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
0.738	0.406	2.201	2.616	46.86	0.150	ODE

* N O T E s *		INVERTER TORQUE: NONE
		INV. HP SPEED RANGE: NONE
		ENCODER: NONE
		NONE
		NONE PPR

PREPARED BY: DATE: 10/29/2021	BRAKE: STEARNS
	87,000 NONE
	FT-LB: 50
	VOLTAGE: 230/460-190/380 HZ:
FORM: 3531 REV. 4 2/27/06	UL: V - LI ME-INS. CONST UL REC