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General Purpose Motors

Model No: 213TTDWD16060
Catalog No: U430B

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213T Frame, DP

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Product Information Packet: Model No: 213TTDWD16060, Catalog No: U430B General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**7.50 & 5 Hp**
Output KW	**5.6 & 3.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1765 & 1470 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**213T**
Enclosure	**Drip Proof**	Thermal Protection	**Automatic**
Efficiency	**91 & 91 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**20/10 & 16.4/8.2 A**
Power Factor	**77.1**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**12**	Number of Speeds	**1**

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**1.56 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**18.04 in**
Frame Length	**11.15 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**3.38 in**	Assembly/Box Mounting	**F1/F2 Capable**

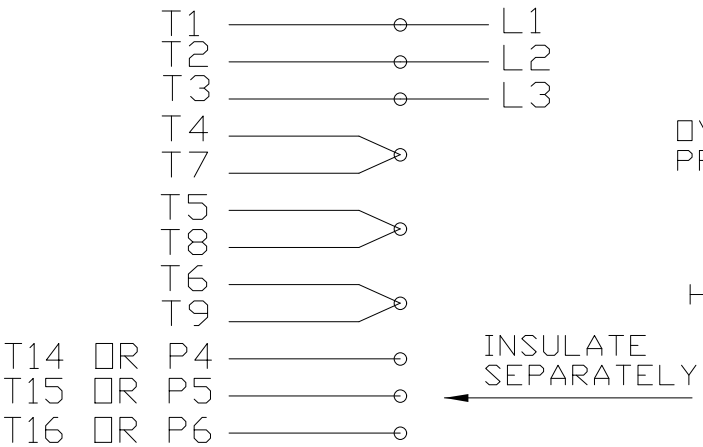
Drawings

Connection Drawing	**EE7335**	Outline Drawing	**SS86668-1115**

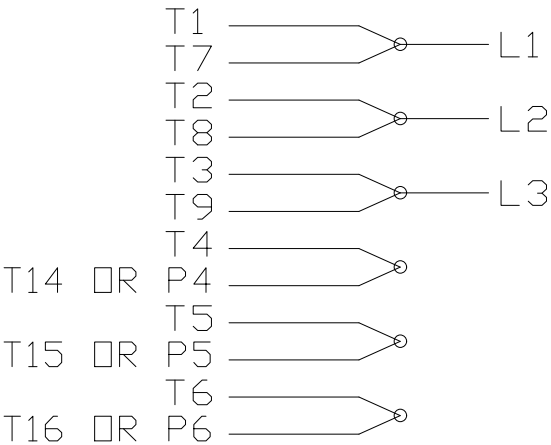
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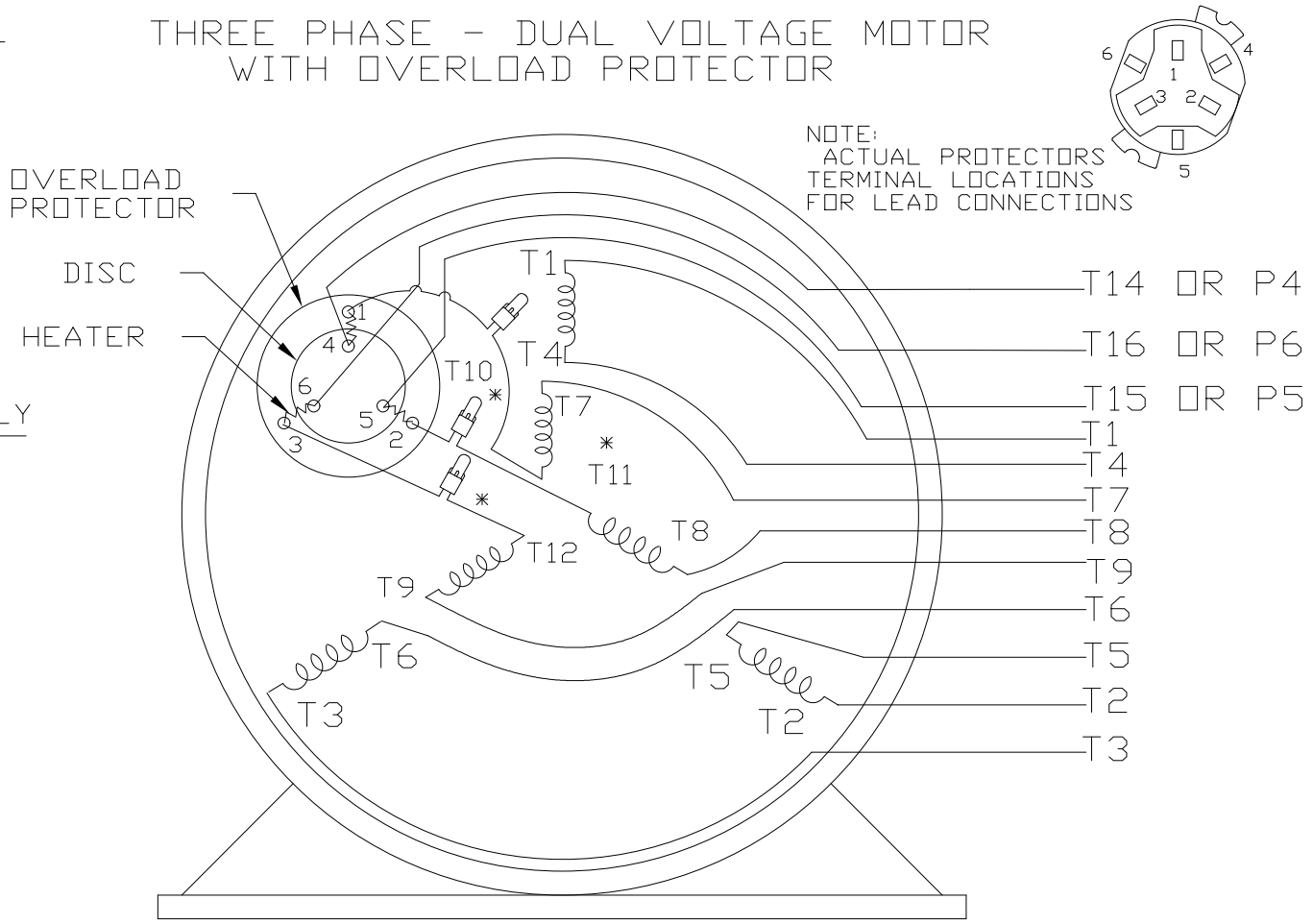
HIGH VOLTAGE CONNECTIONS



LOW VOLTAGE CONNECTIONS



THREE PHASE - DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR



VIEW OF TERMINAL END

* USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

T2K
T4D
T6AN

DRAWING REVISION: G	REVISION BY: SV	REV DATE/ © DATE: 08/11/2026
REQUEST NUMBER: CR-0027303	APPROVED BY: RMS	DATE: 08/11/2026

REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.01	[±0.3]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY: KL	
DATE: 08/09/1993	
APPROVED BY: GK	
DATE: 08/10/1993	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION: CONNECTION DIAGRAM
3Ø-DUAL VOLT WITH OVERLOAD PROTECTION

MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7335 3 of 4	1 OF 1

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Data Sheet

Date: 12/3/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

213TTDWD16060

Submittal

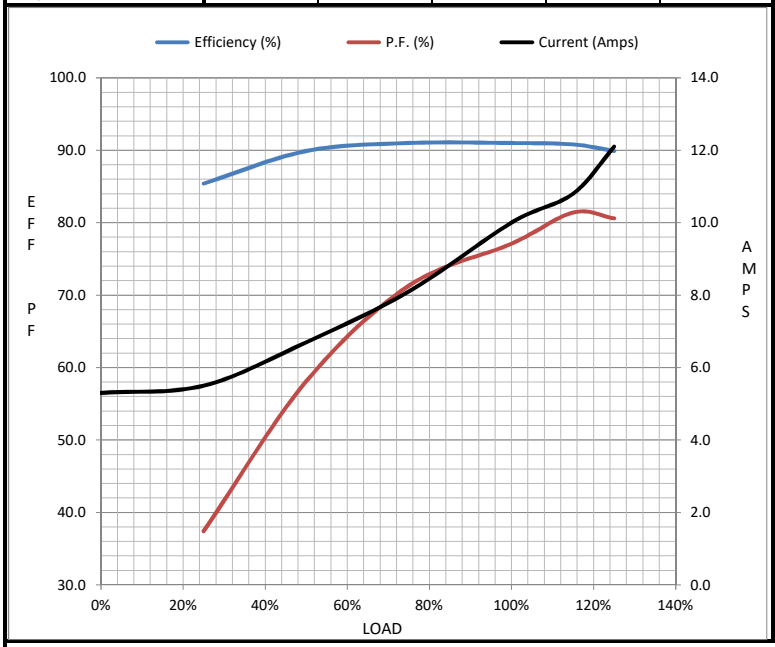
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.3	5.5	6.7	8.1	10.0	10.8	12.1	61.0	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.5	28.0	45.3	
RPM	1800	1792	1784	1775	1765	1,755	1748	0	
Efficiency (%)		85.4	89.9	91.0	91.0	90.8	89.9		
P.F. (%)	5.2	37.4	58.1	71.3	77.1	81.4	80.6	44.8	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	700	1575	1765	1800
Current (Amps)	61.0	55.0	37.0	10.0	5.3
Torque (ft-lb)	45.3	40.0	66.1	22.3	0.00



Information Block

HP	7.5	
Sync. RPM	1800	
Frame	213	
Enclosure	DP	
Construction	TDR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.85	Lb-Ft²
Ref Wdg	K2134278 NONE	
Sound Pressure @ 1M	66	dBA
VFD Rating	NONE	
Outline Dwg	TBD	
Conn. Diag	005020.04	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.7600	0.5590	2.6080	3.6970	57.4560

Speed -Torque Curve

