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Close-Coupled Pump Motors

Model No: 254TTDR16028
Catalog No: U210A

Close-Coupled Pump Motor, 15 & 12 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 254JPV Frame, DP

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Product Information Packet: Model No: 254TTDR16028, Catalog No: U210A Close-Coupled Pump Motor, 15 & 12 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 254JPV Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**15 & 12 Hp**
Output KW	**11.2 & 9.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1768 & 1470 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**254JPV**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**93 & 92 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**38/18.9 & 38/19 A**
Power Factor	**79.9**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6207**	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	**.515 O**	Mounting	**Round**
Motor Orientation	**Shaft Down**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JP**	Overall Length	**27.92 in**
Frame Length	**13.0 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**8.13 in**	Assembly/Box Mounting	**F1/F2 Capable**

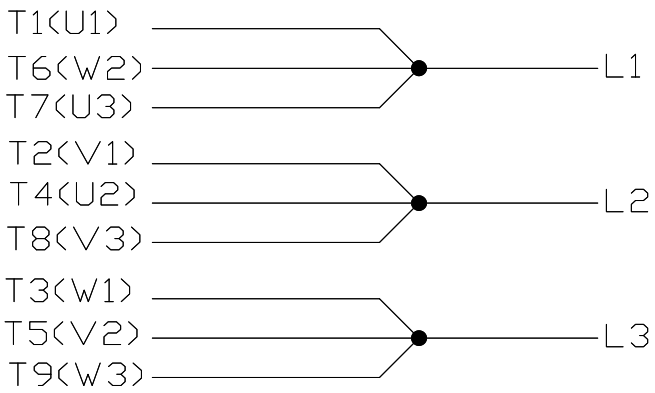
Drawings

Connection Drawing	**EE7308K**	Outline Drawing	**610-0010-1300**

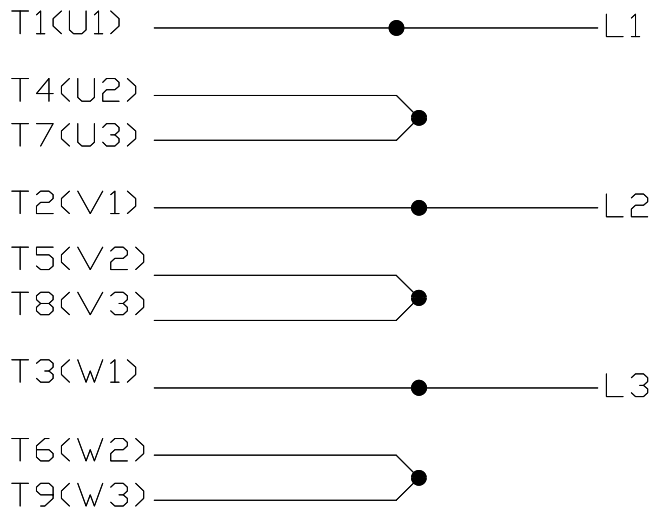
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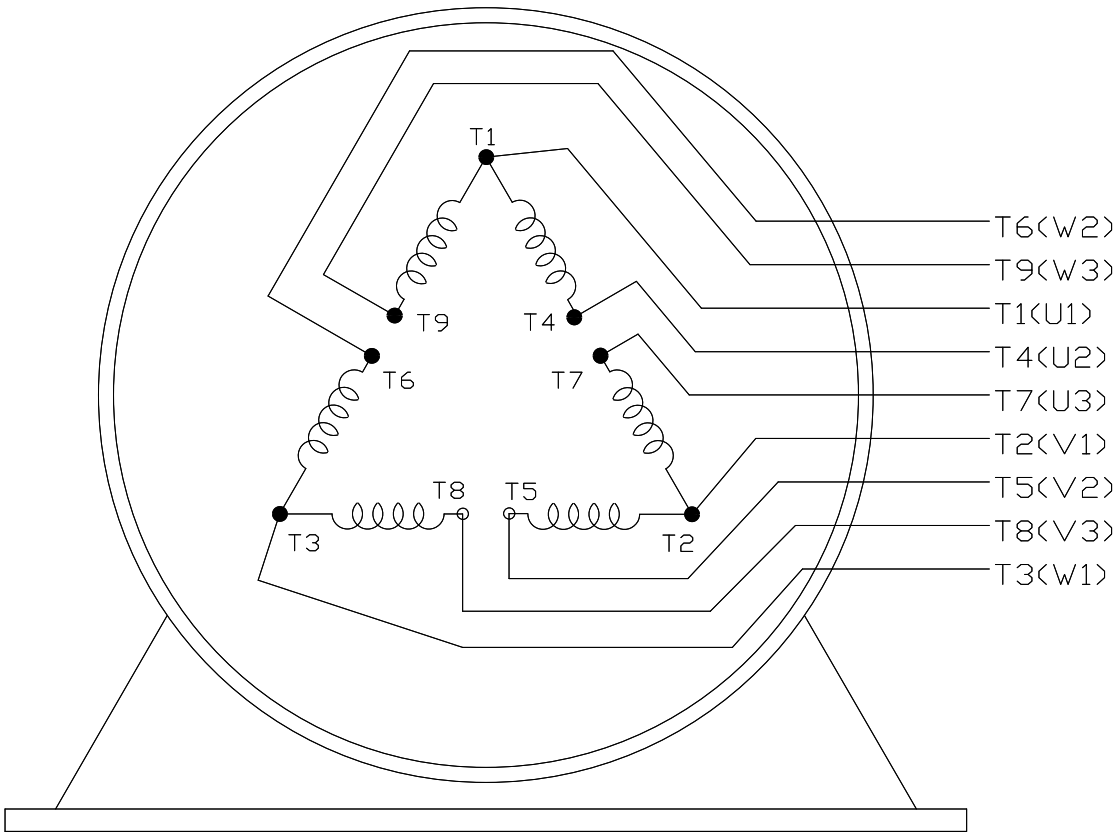
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LOW VOLTAGE



HIGH VOLTAGE





VIEW OF TERMINAL END

DRAWING REVISION F	REVISION BY SB	REV DATE/ © DATE 08/01/2025	DRAWN BY PGK	marathon™
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025	DATE 06/04/1997	
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED			APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL DELTA CON. - 3ø - 9 LEADS
			DATE 06/15/1997	
			REFERENCE	MATERIAL / PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE A / DRAWING NUMBER EE7308K / SHEET 1 OF 1

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Data Sheet

Date: 12/10/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

254TTDR16028

Submittal

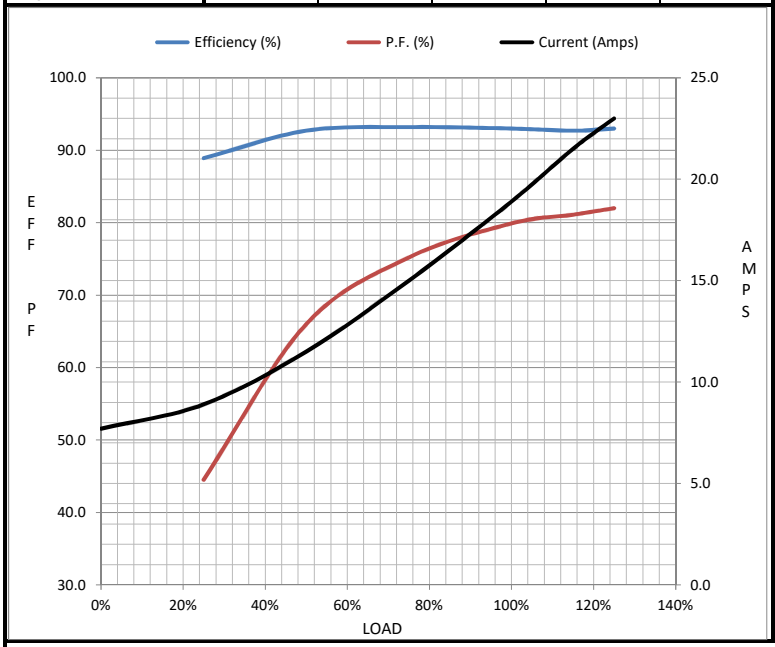
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.7	8.9	11.5	15.0	18.9	21.5	23.0	114	
Torque (ft-lb)	0.00	11.0	22.0	33.0	44.5	51.0	60.0	84.1	
RPM	1800	1793	1785	1777	1768	1,762	1740	0	
Efficiency (%)		88.9	92.7	93.2	93.0	92.7	93.0		
P.F. (%)	0.0	44.5	66.0	75.2	79.9	81.1	82.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	884	1656	1768	1800
Current (Amps)	114	103	68.4	18.9	7.7
Torque (ft-lb)	84.1	71.5	117	44.5	0.00



Information Block

HP	15.0	
Sync. RPM	1800	
Frame	254	
Enclosure	DP	
Construction	TDR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	21	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	2.00	Lb-Ft²
Ref Wdg	BGR4T01 NONE	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	610-0010	
Conn. Diag	80022801	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Speed -Torque Curve

