marathon®

Fire Pump Motors

Model No: 365TSTDCD4303
Catalog No: U1526A

Fire Pump Motor, 100 HP, 3 Ph, 60 Hz, 190/380-400 V, 3600 RPM, 365TS Frame, DP

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Product Information Packet: Model No: 365TSTDCD4303, Catalog No: U1526A Fire Pump Motor, 100 HP, 3 Ph, 60 Hz, 190/380-400 V, 3600 RPM, 365TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**100 Hp**
Output KW	**75.0 kW**	Voltage	**190/380-400 V**
Speed	**3568 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**365TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**93.0 %**	Ambient Temperature	**50 °C**
Frequency	**60 Hz**	Current	**276.0/138.0-132.0 A**
Power Factor	**88**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**F**	Drive End Bearing Size	**6312**
Opp Drive End Bearing Size	**6312**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**12**	Number of Speeds	**1**

Technical Specifications

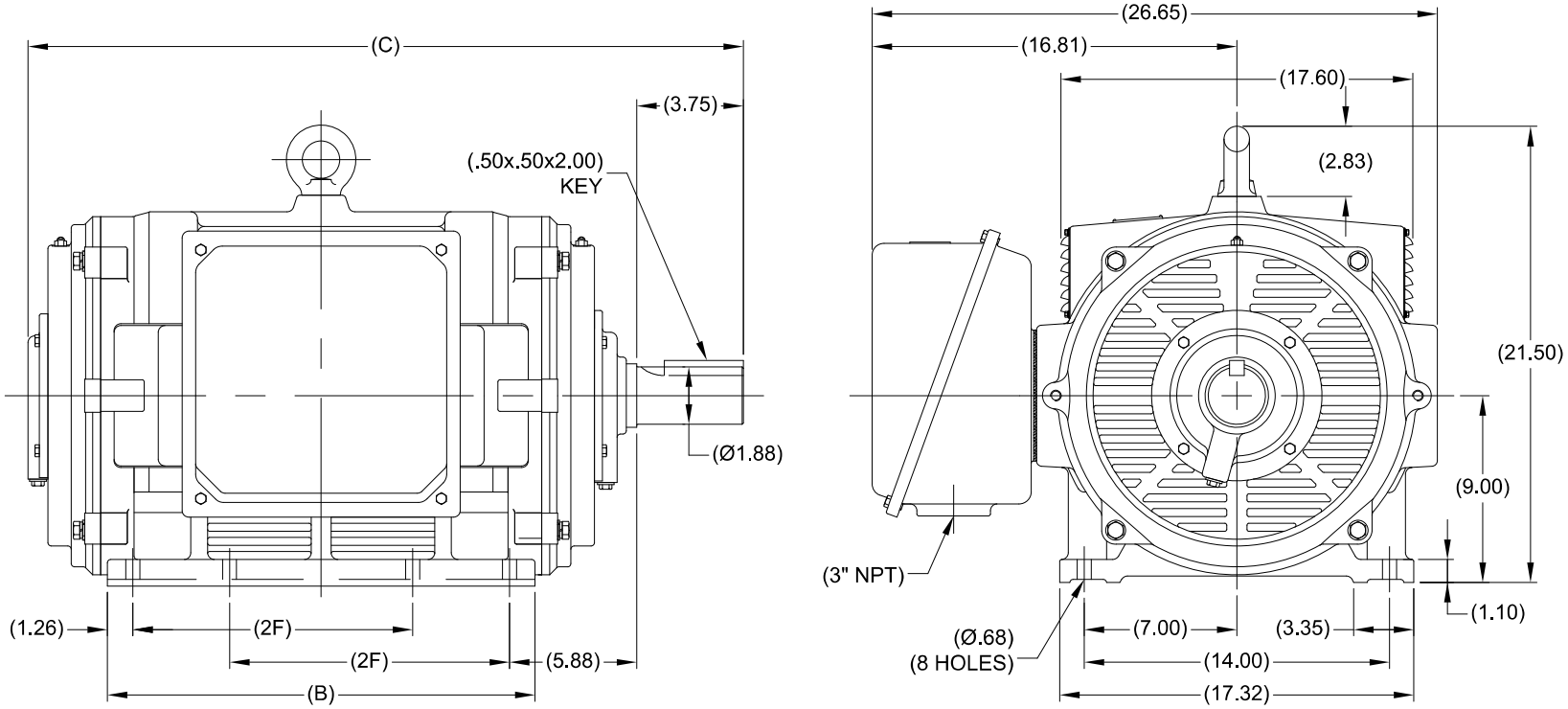
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Part Wdg Start & Wye Start Delta Run**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.095 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**31.14 in**
Frame Length	**18.89 in**	Shaft Diameter	**1 7/8 in**
Shaft Extension	**3.75 in**	Assembly/Box Mounting	**F1/F2 Capable**

Drawings

Connection Drawing	**EE7308AA**	Outline Drawing	**SS620113**

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(MAY NOT BE TO SCALE)

(DIMENSIONS IN TABLE ARE CONSIDERED REFFERENCE)

364TSTDCA4026	364TS	29.57	17.32	11.25
365TSTDCA4026	365TS	31.14	18.90	12.25
MODEL	FRAME	C	B	2F

DRAWING REVISION: D	REVISION BY: SB	REV DATE/ © DATE: 05/20/2026
REQUEST NUMBER: CR-0026330	APPROVED BY: RMS	DATE: 05/20/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.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: 200 / INCH 5.1 / mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

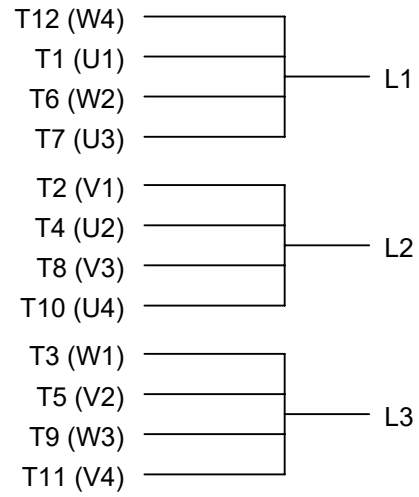
DRAWN BY	SB
DATE	01/14/2008
APPROVED BY	MSG
DATE	11/09/2007
REFERENCE	
THIRD ANGLE PROJECTION	

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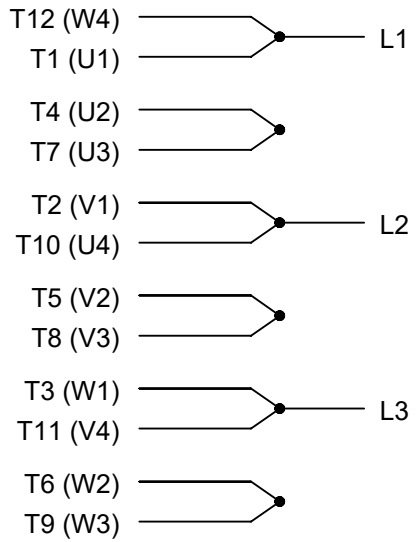
DESCRIPTION: OUTLINE
364/365 TSTDCA4026 - ODP

MATERIAL | PROCESS/FINISH

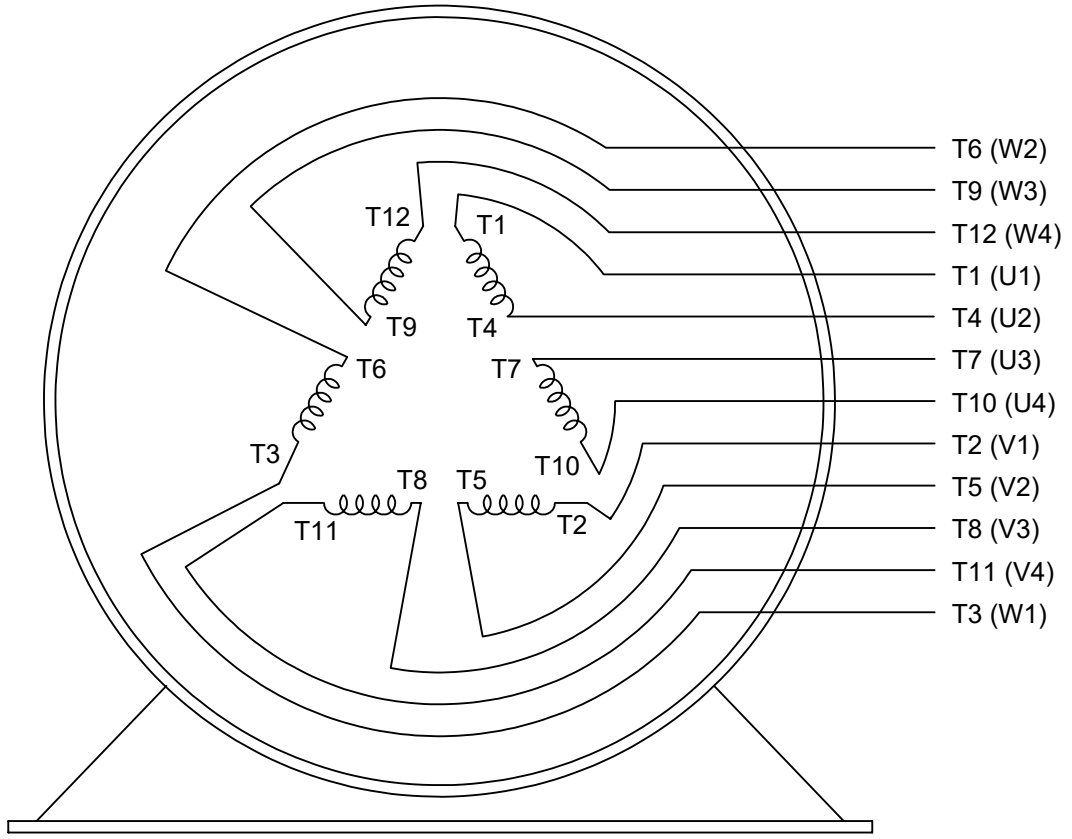
SIZE: B | DRAWING NUMBER: SS620113 | SHEET: 1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION: L	REVISION BY: SB	REV DATE/© DATE: 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY: LZ	marathon™
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025		DATE: 01-12-1994	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED				APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS
				DATE: 01-14-1994	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7308AA / SHEET: 1 OF 1

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Data Sheet

Date: 12/13/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

365TSTDCD4303

Submittal

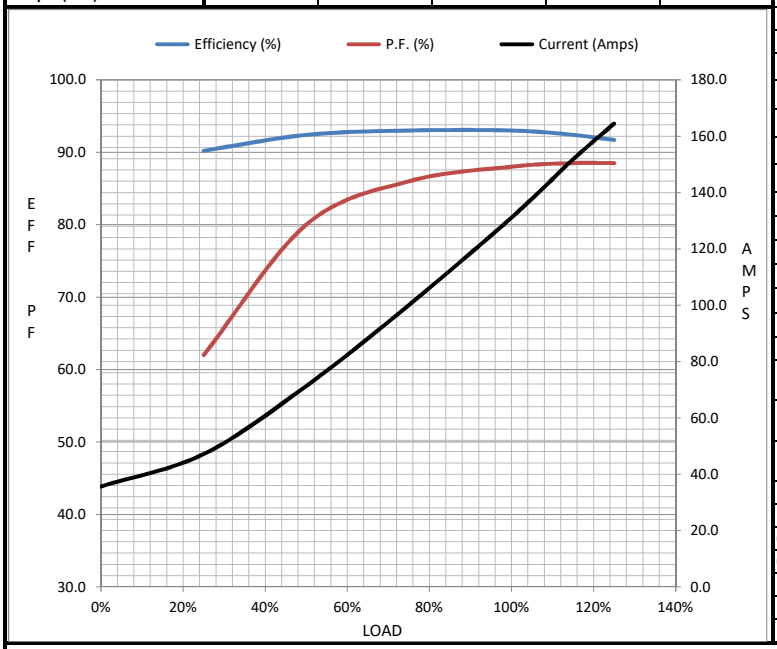
Data @ 400 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	35.7	47.2	71.3	100	131	152	164	776	
Torque (ft-lb)	0.00	36.5	73.5	110	147	170	185	235	
RPM	3600	3590	3585	3575	3568	3,562	3558	0	
Efficiency (%)		90.2	92.4	93.0	93.0	92.4	91.7		
P.F. (%)	6.5	62.0	80.0	86.0	88.0	88.5	88.5	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3450	3568	3600
Current (Amps)	776	690	472	131	35.7
Torque (ft-lb)	235	175	350	147	0.00



Information Block

HP	100.0	
Sync. RPM	3600	
Frame	365	
Enclosure	DP	
Construction	TDC	
Voltage	190/380-400	V
Frequency	60	Hz
Design	B	
LR Code letter	F	
Service Factor	1.15	
Temp Rise @ FL	65	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	IE3L2252111 NONE	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	SS620748	
Conn. Diag	EE7308AA	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0430	0.0160	0.1630	0.2250	6.3890

