

Fire Pump Motors

Model No: 286TSTDBD4023

Catalog No: U1155

Fire Pump Motor, 40 HP, 3 Ph, 60 Hz, 190/380-400 V, 3600 RPM, 286TS Frame, DP

Product Information Packet: Model No: 286TSTDBD4023, Catalog No: U1155 Fire Pump Motor, 40 HP, 3 Ph, 60 Hz, 190/380-400 V, 3600 RPM, 286TS Frame, DP

Nameplate Specifications

Phase	3	Output HP	40 Hp
Output KW	30.0 kW	Voltage	190/380-400 V
Speed	3555 r/min	Synchronous RPM	3600 r/min
Service Factor	1.15	Frame	286TS
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	91.7 %	Ambient Temperature	50 °C
Frequency	60 Hz	Current	114.0/57.0-54.0 A
Power Factor	87	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	F	Drive End Bearing Size	6211
Opp Drive End Bearing Size	6211	UL	Listed
CSA	Y	CE	Y
IP Code	23	Number of Speeds	1

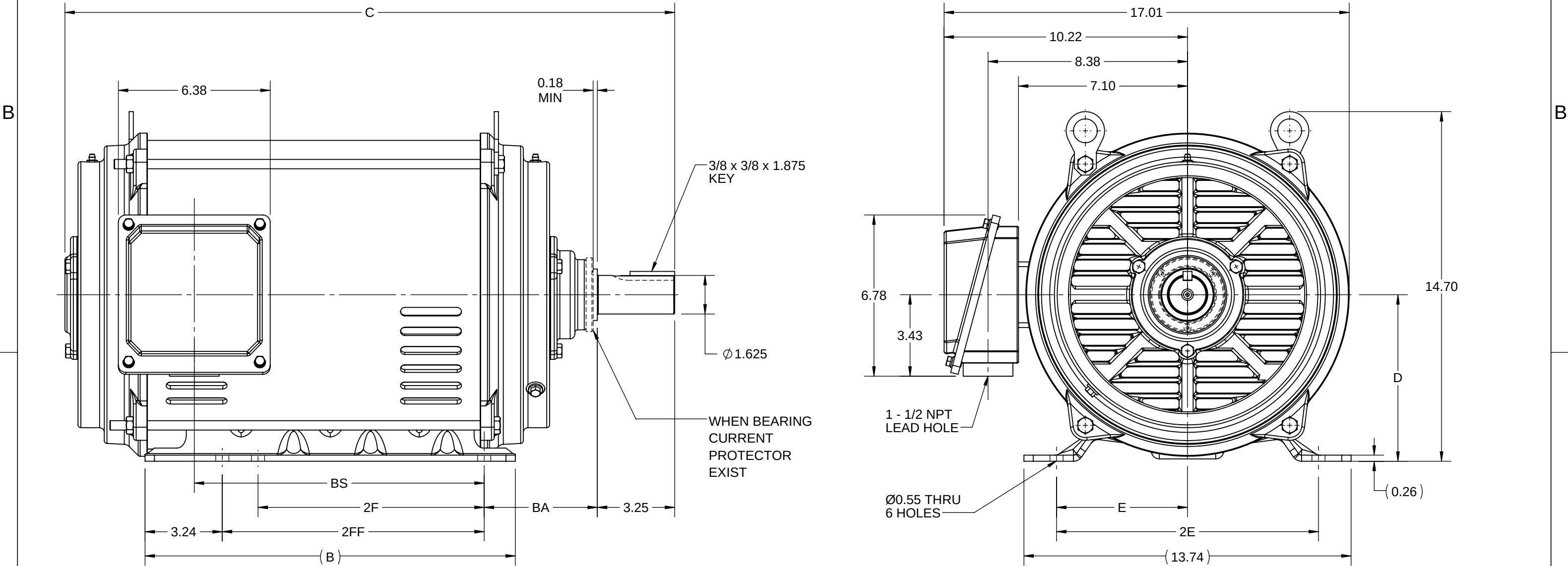
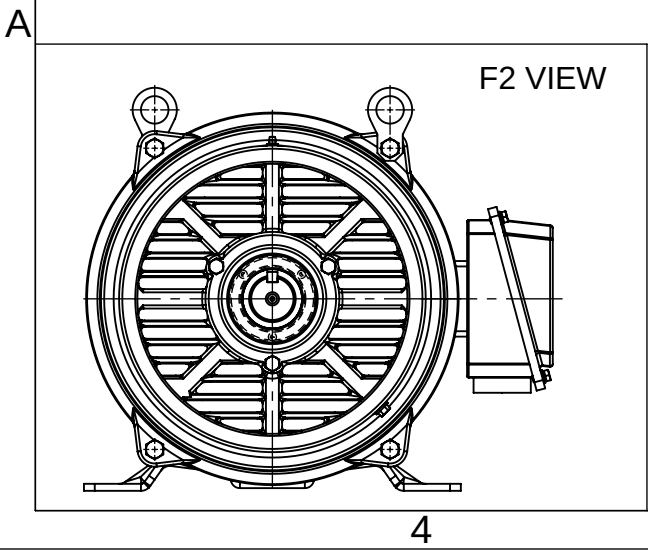
Technical Specifications

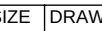
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.285 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	TS	Overall Length	25.72 in
Frame Length	13.97 in	Shaft Diameter	1 5/8 in
Shaft Extension	3.25 in	Assembly/Box Mounting	F1/F2 Capable

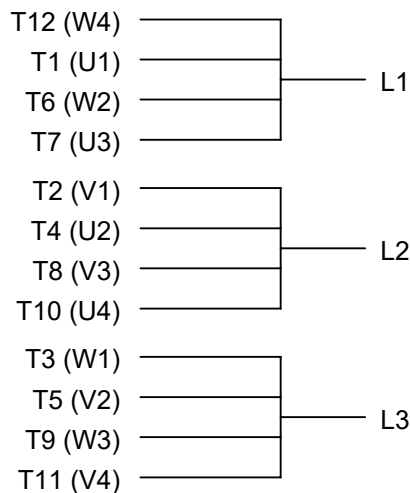
Drawings

Connection Drawing	EE7308AA	Outline Drawing	SS620709-286TS
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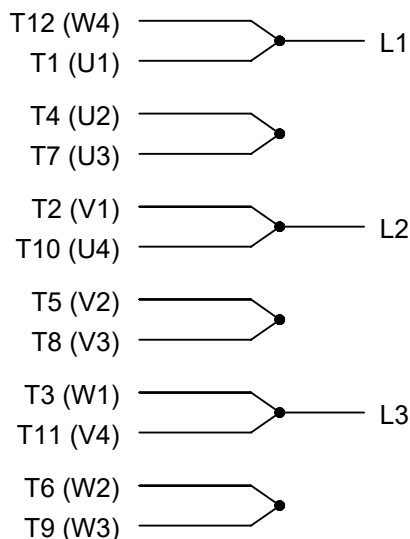
4					3					2		1	
DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME		
100	15.55	24.23	7.00	5.50	11.00	9.50	11.00	4.75	10.80	F1 OR F2	284TS		
200		25.61							12.18		286TS		



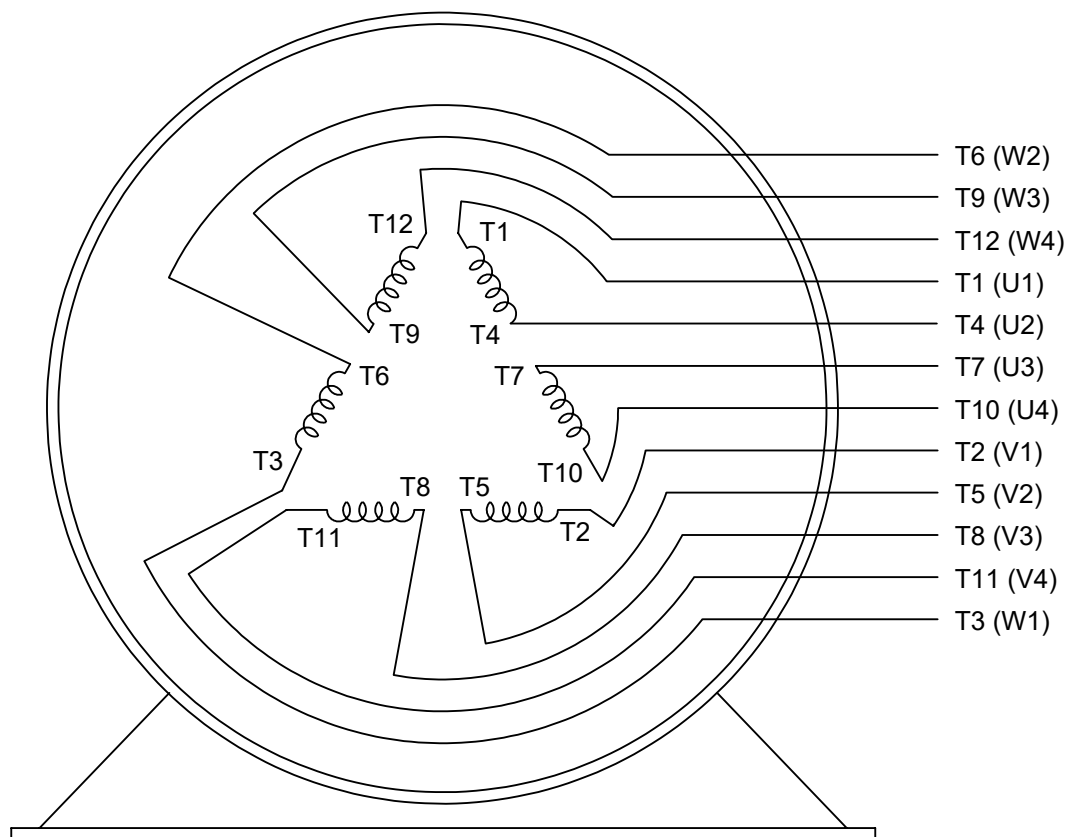
DRAWING REVISION E	REVISION BY SV	REV DATE/© DATE 05/22/2026	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY VS	marathon™		
REQUEST NUMBER CR-0026372	APPROVED BY RMS	DATE 05/22/2026		DATE 12/02/2021			
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED				APPROVED BY GNK	DESCRIPTION OUTLINE 284/286TS FR NEMA ODP RS		
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				REFERENCE	MATERIAL	PROCESS/FINISH	
			THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS620709	SHEET 1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION L	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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DRAWN BY LZ	marathon™		
DATE 01-12-1994			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL		
DATE 01-14-1994	3Ø-2/1 DELTA-12 LEADS		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

Data Sheet

Date: 12/12/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



286TSTDBD4023

Submittal

Data @ 380 V

Motor Load Data

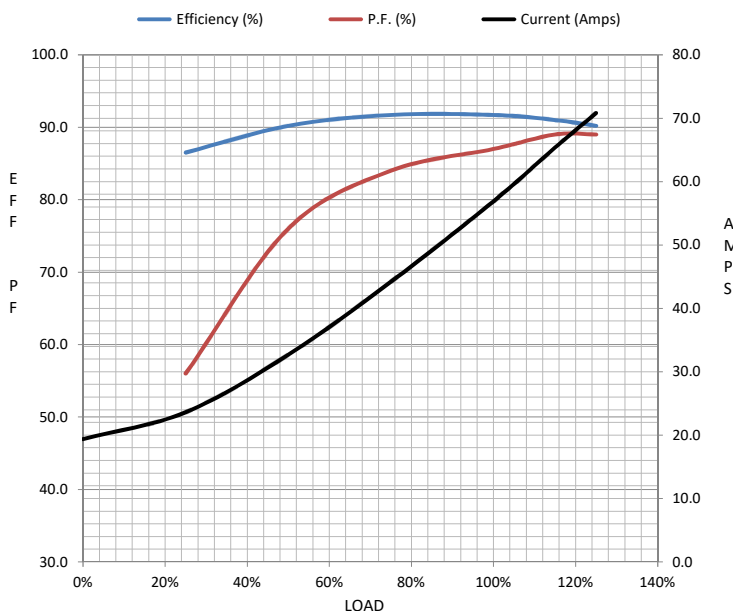
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	19.4	23.6	32.7	44.2	56.9	65.4	70.8	327	
Torque (ft-lb)	0.00	14.6	29.5	44.0	59.0	68.0	74.0	87.0	
RPM	3600	3590	3578	3565	3555	3545	3540	0	
Efficiency (%)		86.5	90.2	91.7	91.7	91.0	90.2		
P.F. (%)	8.0	56.0	76.0	84.0	87.0	89.0	89.0	37.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3555	3600
Current (Amps)	327	303	188	56.9	19.4
Torque (ft-lb)	87.0	75.0	145	59.0	0.00

Information Block

HP	40.0			
Sync. RPM	3600			
Frame	286			
Enclosure	DP			
Construction	TDB			
Voltage	190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	40	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	IE3L1802111 NONE			
Sound Pressure @ 1M	999	dBA		
VFD Rating	NONE			
Outline Dwg	SS620709			
Conn. Diag	EE7308AA			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1160	0.0530	0.3190	0.4780	11.5640



Speed -Torque Curve

