

General Purpose Motors

Model No: 132STFC6586

Catalog No: R353A

General Purpose Motor, 4 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 RPM, 132S Frame,
TEFC

Product Information Packet: Model No: 132STFC6586, Catalog No: R353A General Purpose Motor, 4 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 RPM, 132S Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	4 & 3 Hp
Output KW	3.0 & 2.2 kW	Voltage	230/460 & 200/400 V
Speed	1182 & 986 r/min	Synchronous RPM	1200 & 1000 r/min
Service Factor	1.15 & 1.15	Frame	132S
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	89.5 & 89.5 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	12.4/6.2 & 11.6/5.8 A
Power Factor	66.5	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Drive End Bearing Size	6308
Opp Drive End Bearing Size	6207	UL	No
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	2.02 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	18.26 in
Shaft Diameter	1 1/2 in	Shaft Extension	3.14 in
Assembly/Box Mounting	F3	Inverter Load	Constant 2:1

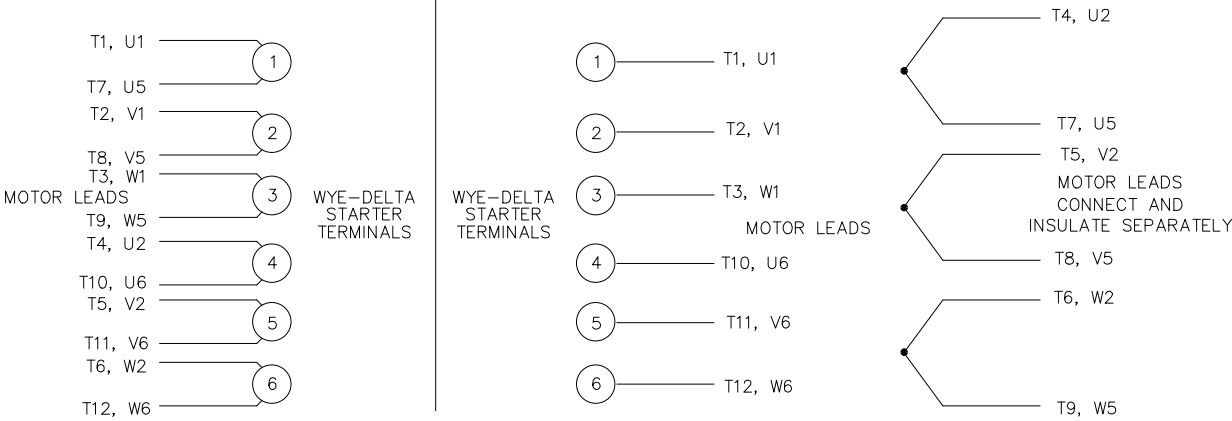
Drawings

Connection Drawing	004172.03	Outline Drawing	SS622267
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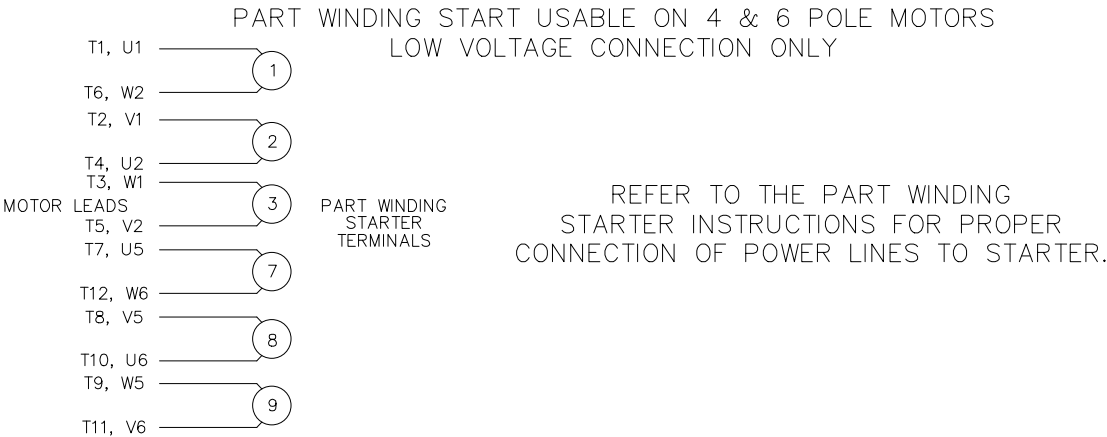
WYE – DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

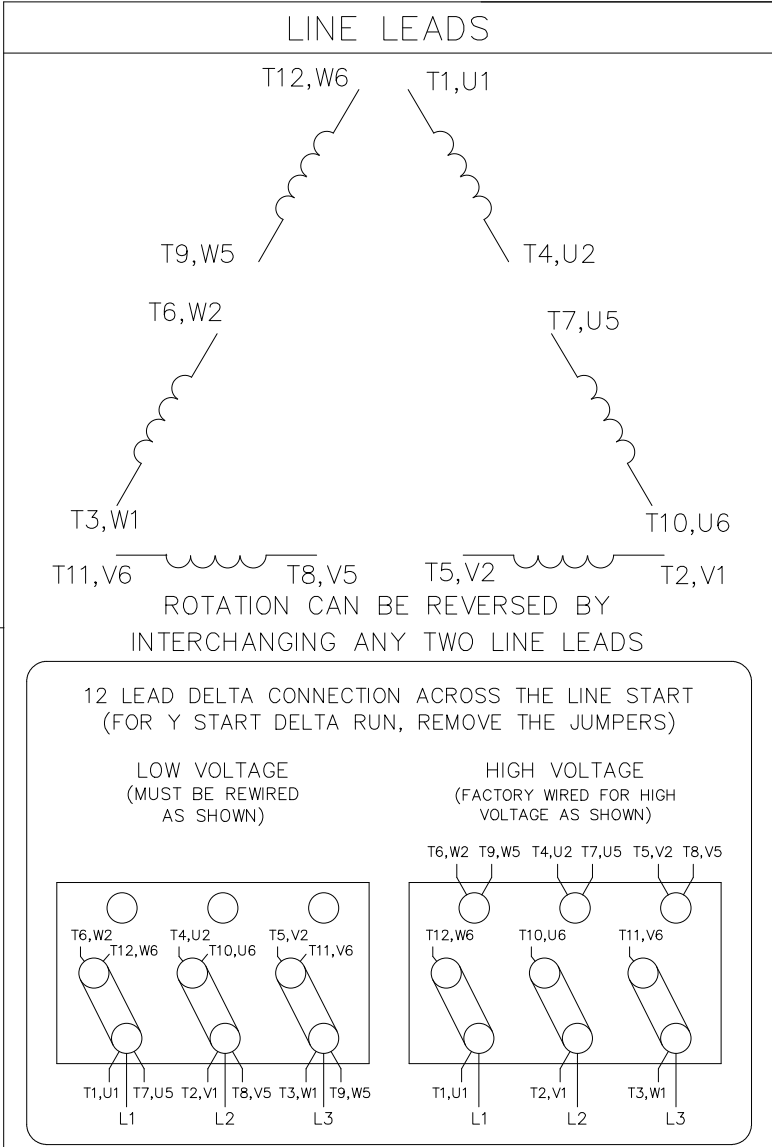
HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.



REFER TO THE CUTLER – HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.



DRAWING REVISION B	REVISION BY SV	REV DATE/ © DATE 08/07/2026
REQUEST NUMBER CR-0027273	APPROVED BY RMS	DATE 08/07/2026
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY NK
DATE 06/28/18
APPROVED BY SR
DATE 06/28/18
REFERENCE
THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER 004172-03	SHEET 1 OF 1

Data Sheet

Date: 6/20/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



132STFC6586

Submittal

Data @ 460 V

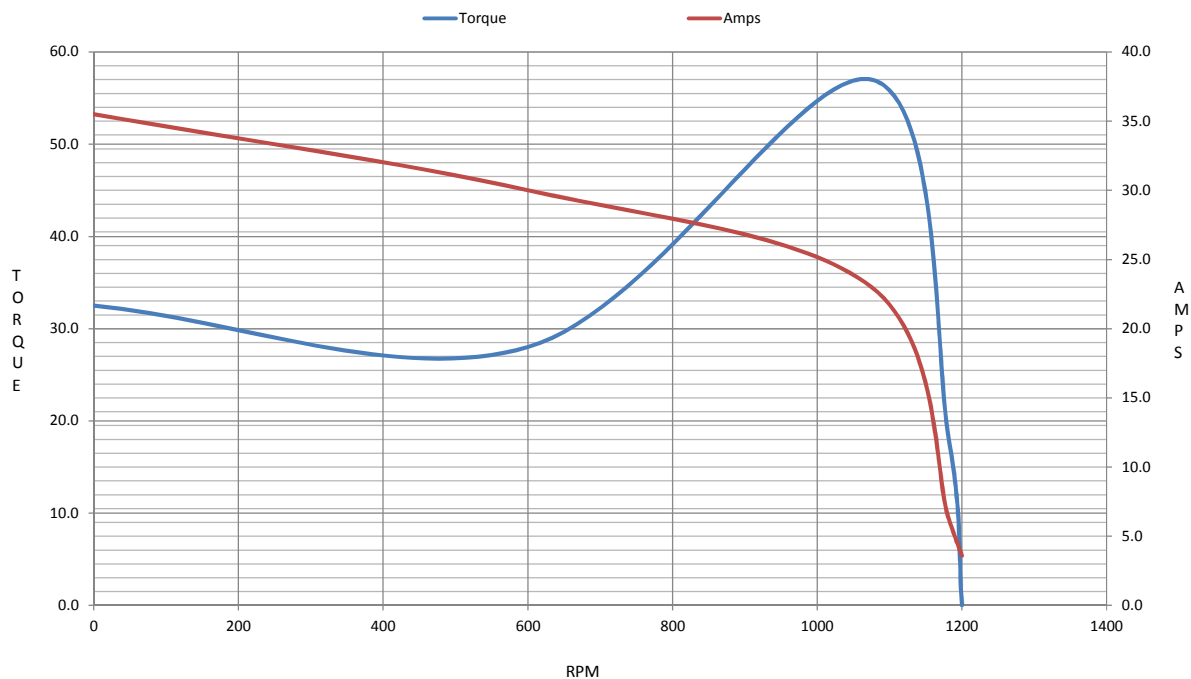
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.6	4.0	4.5	5.5	6.2	7.0	7.2	35.5	
Torque (ft-lb)	0.00	4.4	8.8	13.3	17.9	20.5	22.4	32.5	
RPM	1200	1195	1192	1188	1182	1,180	1178	0	
Efficiency (%)		80.0	87.5	89.5	89.5	89.8	88.5		
P.F. (%)	6.0	29.5	47.5	59.5	66.5	69.0	71.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block																																				
Speed (RPM)	0	600	1075	1182	1200	HP	4.0																																			
Current (Amps)	35.5	30.0	23.0	6.2	3.6	Sync. RPM	1200																																			
Torque (ft-lb)	32.5	28.0	57.0	17.9	0.00	Frame	112																																			
Efficiency (%) P.F. (%) Current (Amps) <table><caption>Graph Data</caption><thead><tr><th>Load (%)</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>20</td><td>80</td><td>3.0</td><td>3.6</td></tr><tr><td>40</td><td>85</td><td>4.0</td><td>4.0</td></tr><tr><td>60</td><td>88</td><td>4.5</td><td>4.5</td></tr><tr><td>80</td><td>90</td><td>4.8</td><td>5.0</td></tr><tr><td>100</td><td>89</td><td>4.9</td><td>6.0</td></tr><tr><td>120</td><td>88</td><td>5.0</td><td>7.0</td></tr><tr><td>125</td><td>88</td><td>5.0</td><td>7.2</td></tr></tbody></table>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	20	80	3.0	3.6	40	85	4.0	4.0	60	88	4.5	4.5	80	90	4.8	5.0	100	89	4.9	6.0	120	88	5.0	7.0	125	88	5.0	7.2	Enclosure	TEFC			
						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)																																	
						20	80	3.0	3.6																																	
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						120	88	5.0	7.0																																	
						125	88	5.0	7.2																																	
						Construction	TFC																																			
						Voltage	30/460#200/40V																																			
						Frequency	60 Hz																																			
						Design	B																																			
						LR Code letter	J																																			
						Service Factor	1.15																																			
						Temp Rise @ FL	30 °C																																			
						Duty	CONT																																			
Ambient	40 °C																																									
Elevation	1,000 feet																																									
Rotor/Shaft wk ²	0.00 Lb-Ft ²																																									
Ref Wdg	T08706008 NONE																																									
Sound Pressure @ 1M	54 dBA																																									
VFD Rating	CONSTANT 2:1																																									
Outline Dwg	SS622267																																									
Conn. Diag	004172.03																																									
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





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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
ORDER #: _____
CONN. DIAGRAM: 004172.03
OUTLINE: SS622267
WINDING: T08706008 NONE 3
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 132STFC6586
CAT #: R353A
CUSTOMER PART #: _____
MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
4	3.0	1200	1182	132S	TEFC	TFC	J	N

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	12.4/6.2&11.6/5.8	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	87.5	GTD EFF		ELECT. TYPE	
F.L. PF	66.5	3/4 LD PF	59.5	1/2 LD PF	47.5	85.5		SQ CAGE INV RATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
17.9 LB-FT	35.5	32.5 LB-FT 182%	57.0 LB-FT 318%	30	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
54 dBA	63 dBA	0.00 LB-FT²	0 LB-FT²	0 SEC.	0	190 LB.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6308 6207						

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	0	0	0	0	0.080	ODE

* N O T E S *		INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED
		ENCODER: NONE NONE NONE NONE PPR
PREPARED BY: EARL BABBITTS DATE: 5/5/2017		BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE UL: NONE
		HZ:

FORM: 3531 REV_4 2/27/06