PRODUCT INFORMATION PACKET

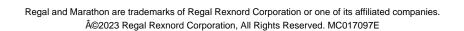


Model No: 250MTFC6586 Catalog No: R350A

Globetrotter® IEC Cast Iron Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V,

1200 & 1000 RPM, 250M Frame, TEFC









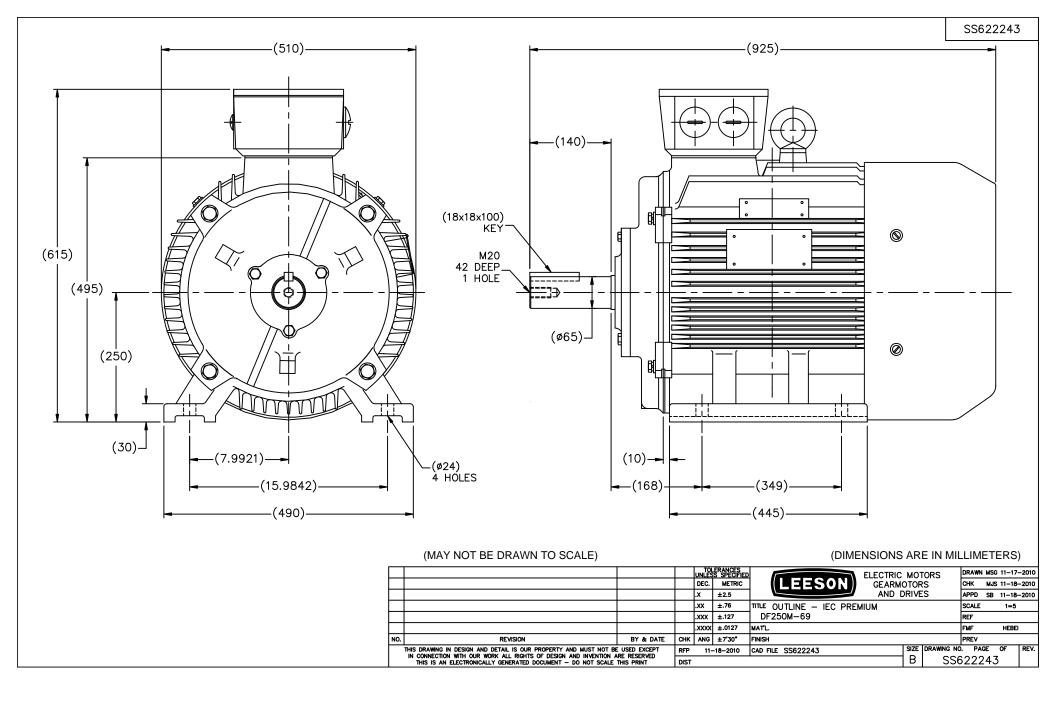
Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 200/400 V
Speed	1190 & 992 rpm	Service Factor	1.15 & 1.15
Frame	250M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	120/60 & 114/57 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	No	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1		

Technical Specifications

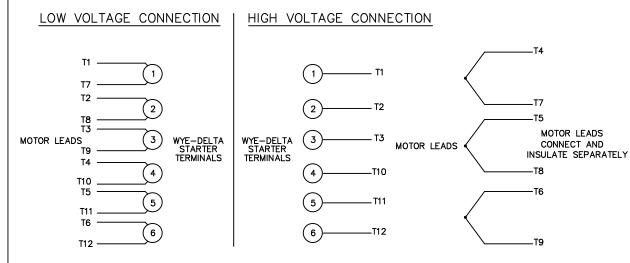
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run C Inverter		
Poles	6	Rotation	Reversible		
Resistance Main	.12 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	36.41 in		
Shaft Diameter	2.555 in	Shaft Extension	5.51 in		
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1		
Outline Drawing	SS622243	Connection Drawing	004172.01		

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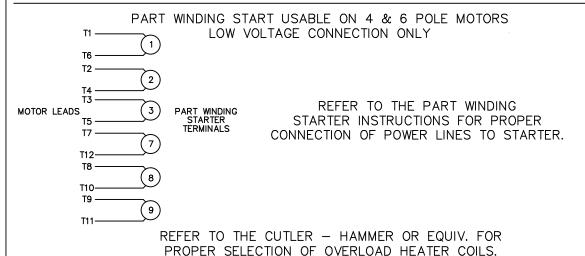


T10

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.



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



				TOL UNLES	ERANCES S SPECIFIED			ELECTRIC	MO	TORS	DRAWN W	VLW 09/08	3/77
				DEC.	INCHES		EESO	GEARM			CHK RP	B 09/12/	77
				.x	±.1			AND D	RIVE	ES	APPD JC	CW 09/12/	/77
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00		.xx	±.01	TITLE DE	LTA - WY	E CONNECTION	DIA	GRAM	SCALE	1=1	
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98		.xxx	±.005						REF		
01	REDRAWN TO CAD	DBT 06/02/97		.xxxx	±.0005	MAT'L.					FMF		
NO.	REVISION	BY & DATE	снк	ANG	±1/2*	FINISH					PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT					CAD FILE	00417	201	SIZE	DRAWING NO			REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT				DIST				Α	004	172-0	J1	03

T6 THERMOSTAT **OPTIONAL**

LINE LEADS

ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS • RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN											
LINE 1 LINE 2 LINE 3 JOIN & INSULA SEPARATELY											
HIGH VOLT	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)							
LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11								

CERTIFICATION DATA SHEET

Model#: 250MTFC6586 AA **WINDING#:** T18306025 NONE 3

F.L. RPM

INV

CONN. DIAGRAM: 004172.01 ASSEMBLY: F3

SYNC. RPM

OUTLINE: SS622243

KW

ΗP

TYPICAL MOTOR PERFORMANCE DATA

FRAME

ENCLOSURE

KVA CODE

DESIGN

50&40	0 37&30 1200		1200	1190&992 250M		TEF	c	G		В	
РН	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	;	AMB°C	ELEVATION	
3	60/50	230/460#200/ 400	120/60&114/5 7	PWS & YDRUN OR	CONTINUOU S	F5	1.15/1	.15	40	3300	

FULL LOAD EFF: 94.1&93.6	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 82&81.5	3/4 LOAD PF: 79	1/2 LOAD PF: 71	93	SQ CAGE INV RATED	41 / 20.5

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
221 LB-FT	700 / 350	340 LB-FT 152	590 LB-FT 265	45	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	0 LB-FT^2	- LB-FT^2	20 SEC.	=	- LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT	CAST IRON
6316	6314					ROLLED (C-204)	

	THERMO-PF	ROTECTORS		THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

* N O T E S

DATE: 06/23/2017 01:09:43 AM FORM 3531 REV.3 02/07/99

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