# **PRODUCT INFORMATION PACKET**

Model No: 180MTFC6536 Catalog No: R340A Globetrotter® IEC Cast Iron Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 180M Frame, TEFC



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# marathon®

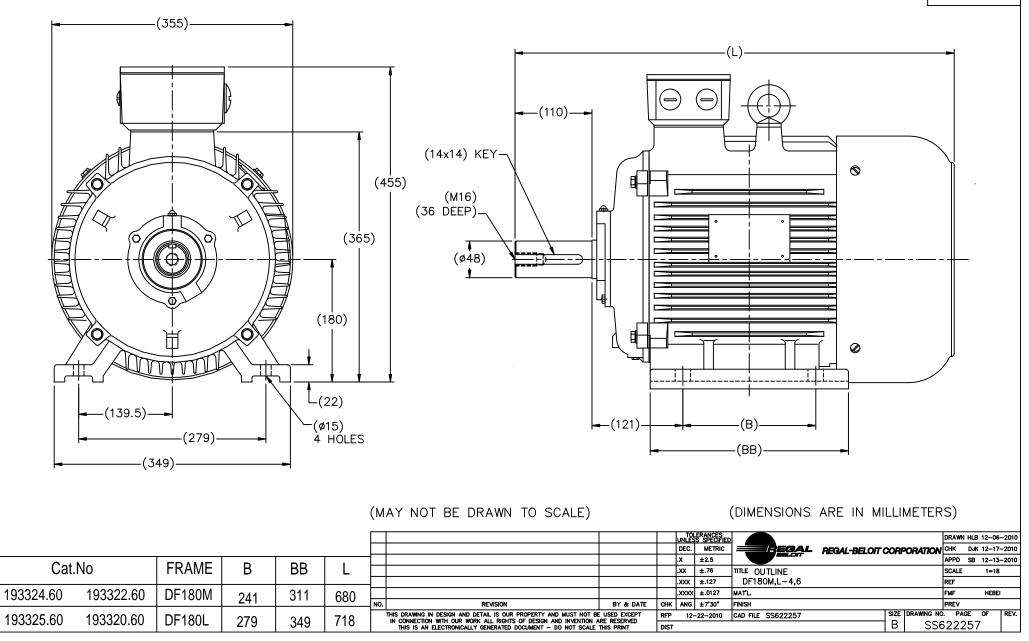
## Nameplate Specifications

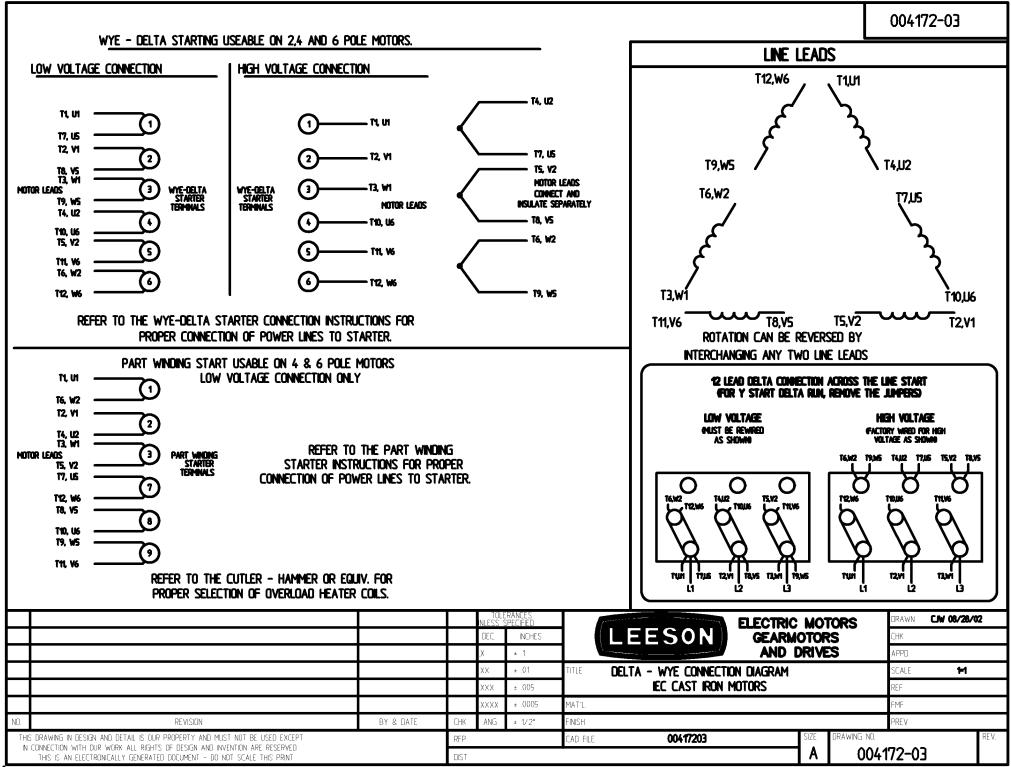
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 200/400 V
Speed	1783 & 1482 rpm	Service Factor	1.15 & 1.15
Frame	180M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93.6 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	59/29.5 & 60/30 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	н
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	No	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

# **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.058 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	26.77 in
Shaft Diameter	1.888 in	Shaft Extension	4.31 in
Assembly/Box Mounting	F3		
Outline Drawing	B-SS622257	Connection Drawing	004172.03

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#### **CERTIFICATION DATA SHEET**

Model#:	180MTFC6536 AA
CONN. DIAGRAM:	004172.03
OUTLINE:	B-SS622257

WINDING#: ASSEMBLY: T14504005 NONE 3 F3

TYPICAL MOTOR PERFORMANCE DATA

HP		ĸw	SYN	C. RPM	F.L. RPM	FRAME	EN	CLOSURE	KVA CC	DE	DESIGN
25&20	18	3.7&14.9	1	800	1783&1482	180M		TEFC	<u>н</u>		В
РН	Hz	vo	LTS	FL AMPS	START TYPE	DUTY	INSL	. s	.F	AMB°C	ELEVATION
3	60/50		60#200/ 00	59/29.5&60/	30 PWS & YDRUN OR INV	CONTINUOU S	F2	1.15	/1.15	40	3300
FULL LOAI 93.6&9		3/4 LOAD	EFF: 94	.1 1/2	.OAD EFF: 93.6	GTD. E	FF	ELEC	. TYPE	NOL	OAD AMPS
FULL LOAD P	F: 85&77	3/4 LOA	D PF: 80	) 1/2	LOAD PF: 69	92.4		SQ CAGE	INV RATED		24 / 12

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
73.5 LB-FT	400 / 200	145 LB-FT 197	225 LB-FT 306	44

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	4.23 LB-FT^2	- LB-FT^2	20 SEC.	2	394 LBS.

### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT	CAST IRON
6311	6211	]				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 20:1						
INV. HP SPEED RANGE: 1.5 X BASE SPEED						
ENCODER: NONE						
NONE NONE						
NONE NONE PPR						
BRAKE: NONE	NONE					
NONE P/N NO	DNE					
NONE NONE						
NONE FT-LB	NONE V	NONE Hz				

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