Product Information Packet: Model No: TCA18P1AE271GAA009, Catalog No:R639 Cast Iron Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 160L Frame, TEFC

marathon®

Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.5 & 15.0 kW	Voltage	230/460 & 200/400 V
Speed	3550 & 2960 rpm	Service Factor	1.15 & 1.15
Frame	160L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91.9 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	56/28.1 & 53.5/26.7 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	н
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	N
CE	Y	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	2	Rotation	Reversible	
Resistance Main	.5 Ohms	Mounting	Round	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	IEC	Overall Length	26.22 in	
Frame Length	11.73 in	Shaft Diameter	1.654 in	
Shaft Extension	4.33 in	Assembly/Box Mounting	F3	
Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Connection Drawing	8442000715	Outline Drawing	SS620906	

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