

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 254TTDR16027  
Catalog No: E188A  
15,1800,DP,254JMV,3/60/230/460  
JM



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**REGAL**<sup>®</sup>



### Nameplate Specifications

Output HP	<b>15 Hp</b>	Output KW	<b>11.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>38.0/18.9 A</b>	Speed	<b>1768 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>93 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>254JMV</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6207</b>
Opp Drive End Bearing Size	<b>6309</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>12</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Round</b>	Motor Orientation	<b>Shaft Down</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>JM</b>
Overall Length	<b>25.05 in</b>	Shaft Diameter	<b>1.375 in</b>
Shaft Extension	<b>5.28 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>610-0014</b>	Connection Diagram	<b>80022801</b>

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Data Sheet

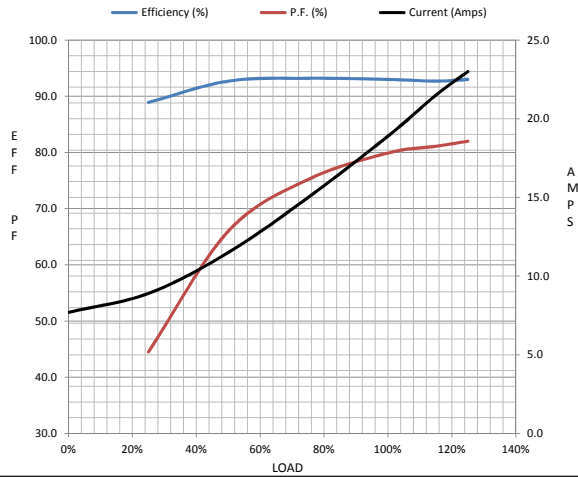
Date: 20-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



254TTDR16027  
**Submittal**  
 Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.7	8.9	11.5	15.0	18.9	21.5	23.0	114	
Torque (ft-lb)	0.00	11.0	22.0	33.0	44.5	51.0	60.0	84.1	
RPM	1800	1793	1785	1777	1768	1,762	1740	0	
Efficiency (%)		88.9	92.7	93.2	93.0	92.7	93.0		
P.F. (%)	0.0	44.5	66.0	75.2	79.9	81.1	82.0	0.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	884	1656	1768	1800	HP	15.0
Current (Amps)	114	103	68.4	18.9	7.7	Sync. RPM	1800
Torque (ft-lb)	84.1	71.5	117	44.5	0.00	Frame	254
						Enclosure	DP
						Construction	TDR
						Voltage	30/460#190/38V
						Frequency	60 Hz
						Design	B
						LR Code letter	G
						Service Factor	1.15
						Temp Rise @ FL	21 ° C
						Duty	CONT
						Ambient	40 ° C
						Elevation	1,000 feet
						Rotor/Shaft wk²	2.00 Lb-Ft²
						Ref Wdg	BGR4T01 NONE
						Sound Pressure @ 1M	999 dBA
						VFD Rating	NONE
						Outline Dwg	610-0014
						Conn. Diag	80022801



Additional Specifications:	
0	
365THFS8036	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	
0.0000	

