

PRODUCT INFORMATION PACKET

Model No: 256TTDR16008

Catalog No: U103A

25 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 230/460 V, 256JM Frame, ODP
JM Motors



Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	57.0/28.5 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	92 %	Power Factor	89.5
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Frame	256JM	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	12

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.48 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	23.60 in
Shaft Diameter	1.625 in	Shaft Extension	5.28 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	610-0016	Connection Drawing	80022802

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CERTIFICATION DATA SHEET

Model#: 256TTDR16008 AA **WINDING#:** BHR2T01 NONE 3
CONN. DIAGRAM: 80022802 **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: 610-0016

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	3600	3525&2930	256JM	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	57/28.5&56/28	ACROSS THE LINE	CONTINUOU S	B4	1.15/1.15	40	3300

FULL LOAD EFF: 92&90.9	3/4 LOAD EFF: 92	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89.5&91	3/4 LOAD PF: 87.5	1/2 LOAD PF: 78.5	90.2	SQ CAGE IND RUN	18 / 9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37.2 LB-FT	334 / 167	51.7 LB-FT 139	94.5 LB-FT 254	36

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	15 SEC.	2	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6207						

THERMO-PROTECTORS				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: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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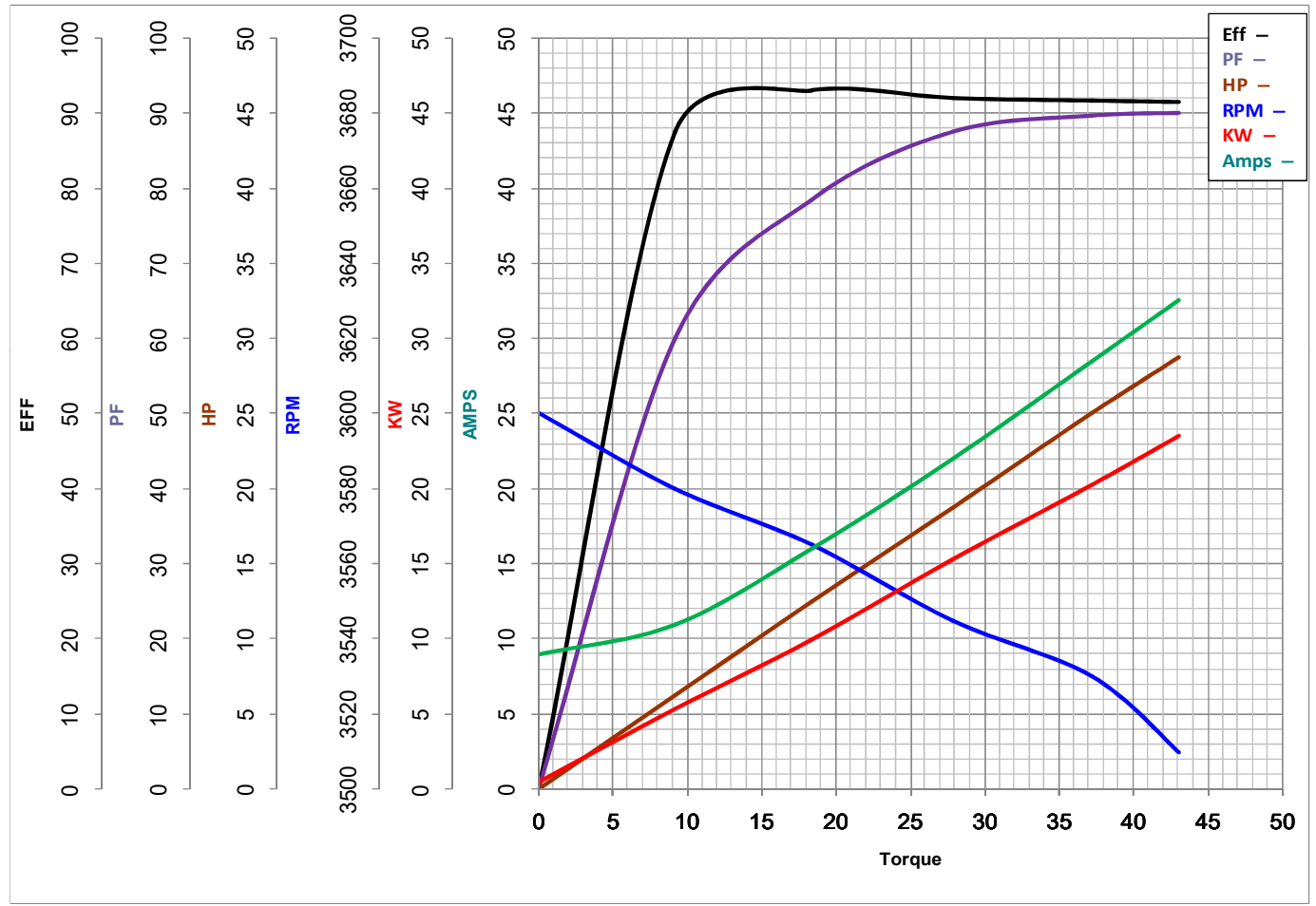
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** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 460 Volts HP 25&20 PHASE 3
 Model No 256TTDR16008 60 HZ
25 HP VOLTS 230/460&190/380
 Catalog No U103A HZ 60&50 RPM 3525&2930



Torque in Lb.Ft

FL TORQUE 37.2 Lb.Ft
 BD TORQUE 94.5 Lb.Ft
 LR TORQUE 51.7 Lb.Ft

FL AMPS 57/28.5
 PU TORQUE 46.5 Lb.Ft
 LR AMPS 167

WINDING BHR2T01-3

Date 1/17/2019