# PRODUCT INFORMATION PACKET



Model No: 145TTFR16074 Catalog No: GT5104 1.50 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 230/460 V, 145JMV Frame, TEFC

JM Motors





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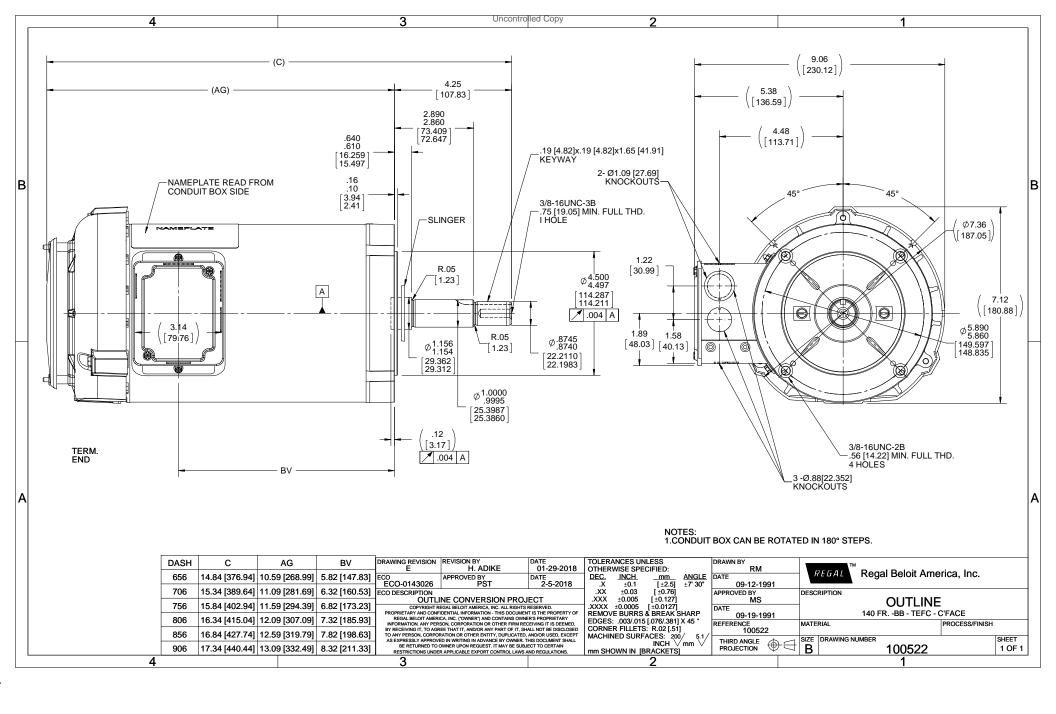
### Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.6/2.3 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	71
Duty	Continuous Insulation Class		F
Design Code	В	KVA Code	P
Frame	145JMV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	7.9 Ohms	Mounting	Round
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	17.29 in
Frame Length	9.06 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-100522-906	Connection Drawing	A-EE7308

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#### **CERTIFICATION DATA SHEET**

 Model#:
 145TTFR16074 AA
 WINDING#:
 ZT4256 FR 3

 CONN. DIAGRAM:
 A-EE7308
 ASSEMBLY:
 F1 ONLY

OUTLINE: B-100522-906

#### TYPICAL MOTOR PERFORMANCE DATA

HP	кw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1800	1755&1470	145JMV	TEFC	Р	В

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	4.6/2.3&4.2/2.	LINE OR	CONTINUOU	F3	1.15/1.0	40	3300
		380	1	INVERTER	S				

FULL LOAD EFF: 86.5&85	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71&64	3/4 LOAD PF: 62.5	1/2 LOAD PF: 49	84	SQ CAGE INV RATED	3 / 1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	48 / 24	21.2 LB-FT 471	26 LB-FT 578	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.14 LB-FT^2	10 LB-FT^2	20 SEC.	2	50 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL OR SHAFT	FALSE	NONE	TRUE	NONE	BLUE (POWDER)
			DOWN					(FOWDER)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	JM	NONE	NONE	1144	ROLLED STEEL
6206	6203					STRESSPROOF	
1200	=====					(C-223)	

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

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ENCODER: NONE
NONE NONE PPR
BRAKE: NONE

BRAKE: NONE NONE

NONE P/N NONE

NONE NONE

- FT-LB NONE V NONE Hz

INVERTER TORQUE: CONSTANT 2:1
INV. HP SPEED RANGE: NONE

DATE: 06/23/2017 07:32:57 AM FORM 3531 REV.3 02/07/99 \*\* Subject to change without notice.

