

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 254TTDR16026

Catalog No: U207A

Close-Coupled Pump Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
254JP Frame, DP



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RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	1768 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	254JP	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 92 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	38/18.9 & 33/16.5 A	Power Factor	79.9
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.515 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Overall Length	26.48 in
Frame Length	13.00 in	Shaft Diameter	1.750 in
Shaft Extension	8.13 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	80022801	Outline Drawing	610-0031-1300



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
ORDER #: _____ REFERENCE MODEL #: 254TTDR16026
CONN. DIAGRAM: 80022801 CAT #: U207A
OUTLINE: OL254TTDR16026 CUSTOMER PART #: _____
WINDING: BGR4T01 NONE 3 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	1800	1768	254JP	DP	TDR	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	38/18.9&33/16.5	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	93.0	3/4 LD EFF	93.2	1/2 LD EFF	92.7	GTD EFF	91.7	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	79.9	3/4 LD PF	75.2	1/2 LD PF	66.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
44.5 LB-FT	114	84.1 LB-FT 189%	117 LB-FT 263%	21	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA	2.00 LB-FT²	0 LB-FT²	20 SEC.	2	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE (ENAMEL)

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

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

PREPARED BY: FAREEDA DUDEKULA	BRAKE: NONE
DATE: 9/17/2018	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

Data Sheet

Date: 12/10/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



254TTDR16026

Submittal

Data @ 460 V

Motor Load Data

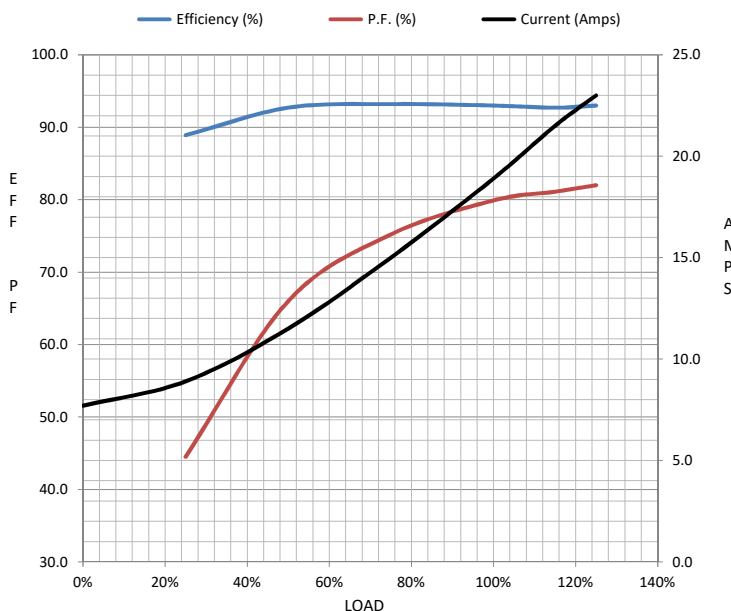
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.7	8.9	11.5	15.0	18.9	21.5	23.0	114	
Torque (ft-lb)	0.00	11.0	22.0	33.0	44.5	51.0	60.0	84.1	
RPM	1800	1793	1785	1777	1768	1762	1740	0	
Efficiency (%)		88.9	92.7	93.2	93.0	92.7	93.0		
P.F. (%)	0.0	44.5	66.0	75.2	79.9	81.1	82.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	884	1656	1768	1800
Current (Amps)	114	103	68.4	18.9	7.7
Torque (ft-lb)	84.1	71.5	117	44.5	0.00

Information Block

HP	15.0			
Sync. RPM	1800			
Frame	254			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380	V		
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 wk ²	2.00	Lb-Ft ²		
Ref Wdg	BGR4T01 NONE			
Sound Pressure @ 1M	999	dBA		
VFD Rating	NONE			
Outline Dwg	OL254TTDR16026			
Conn. Diag	80022801			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

