

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 254TTDR16041

Catalog No: U208A

15 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 575 V, 254JP Frame, ODP
Close-Coupled Pump Motors



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RegalRexnord

Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	15.1 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	79.9
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	254JP	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
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	Shaft Diameter	1.750 in
Assembly/Box Mounting	F1 Only		
Connection Drawing	EE7300U	Outline Drawing	OL254TTDR16041

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IF MOTOR HAS 9 LEADS



IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY AJW	DATE 05-04-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: <u>DEC.</u> <u>INCH.</u> <u>mm</u> <u>ANGLE</u> .X ±0.1 [±2.5] ±7' 30" .XX ±0.02 [±0.51] XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200  5.1 INCH mm SHOWN IN [BRACKETS]	DRAWN BY DRS	 Regal Beloit America, Inc.	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE					
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015		DATE 09-27-1996							
ECO DESCRIPTION UPDATED TO SOLIDWORKS				APPROVED BY GK							
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				REFERENCE	MATERIAL				PROCESS/FINISH		
				THIRD ANGLE PROJECTION					SIZE A	DRAWING NUMBER EE7300U	SHEET 1 OF 1



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

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7300U**OUTLINE:** OL254TTDR16041**WINDING #:** BGR4T01 3**CUSTOMER PO#:****MODEL #:** 254TTDR16041 AA**CUSTOMER PART #:****MOUNTING:** F1 ONLY**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15	11.2	1800	1768	254JP	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	15.1	ACROSS THE LINE	CONTINUOUS	F3	1.15	40

FULL LOAD EFF: 93	3/4 LOAD EFF: 93.2	1/2 LOAD EFF: 92.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 79.9	3/4 LOAD PF: 75.2	1/2 LOAD PF: 66	91.7	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.5 LB-FT	91.2	84.1 LB-FT 189 %	117 LB-FT 263 %	21

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	2 LB-FT^2	- LB-FT^2	20 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	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6207						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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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

PREPARED BY: DineshSuddula **DATE:**

02/14/2019 03:13:57 AM

FORM 3531 REV.3 02/07/99

** Subject to change without
notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

 HP 15.00

 PHASE 3

 Model No 254TTDR16041
60

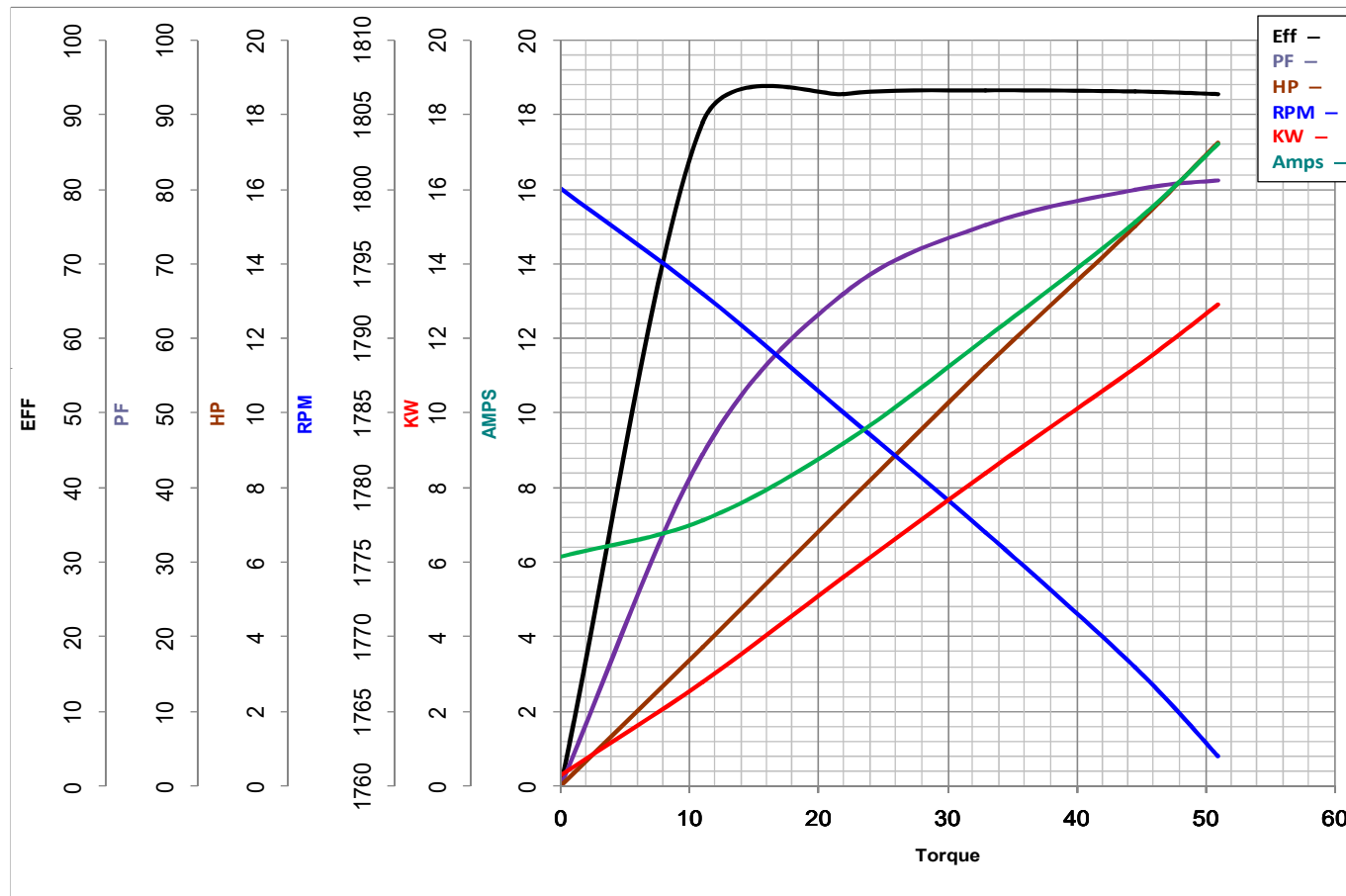
HZ

 VOLTS 575
15

HP

 Catalog No U208A

 HZ 60

 RPM 1768


Torque in Lb.Ft

 FL TORQUE 44.5 Lb.Ft

 BD TORQUE 117.0 Lb.Ft

 LR TORQUE 84.1 Lb.Ft

WINDING BGR4T01-3

 FL AMPS 15.1

 PU TORQUE 75.69 Lb.Ft

 LR AMPS 91.2

Date 1/7/2019