

PRODUCT INFORMATION PACKET

Model No: 254TTDR16057
Catalog No: E760A
15,1800,DP,254T,3/60/575
Open Drip Proof (ODP)



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Nameplate Specifications

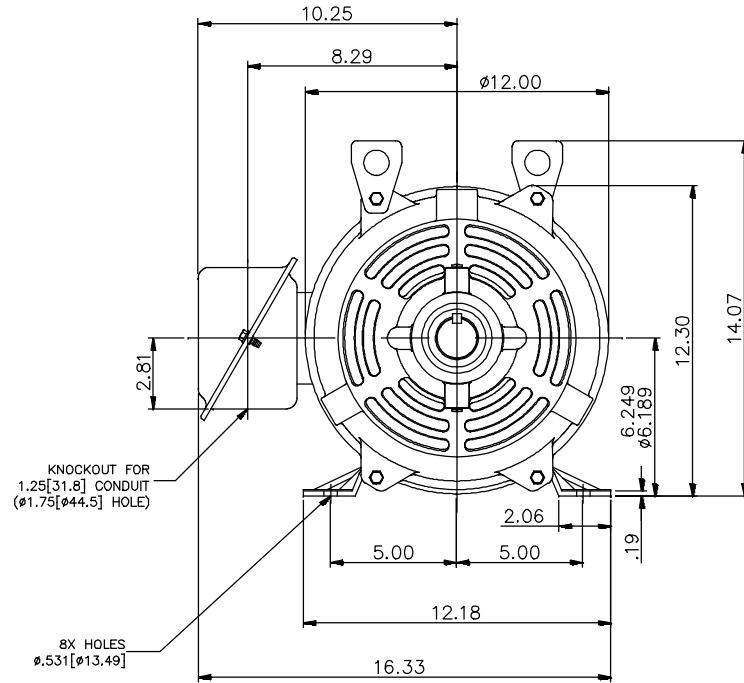
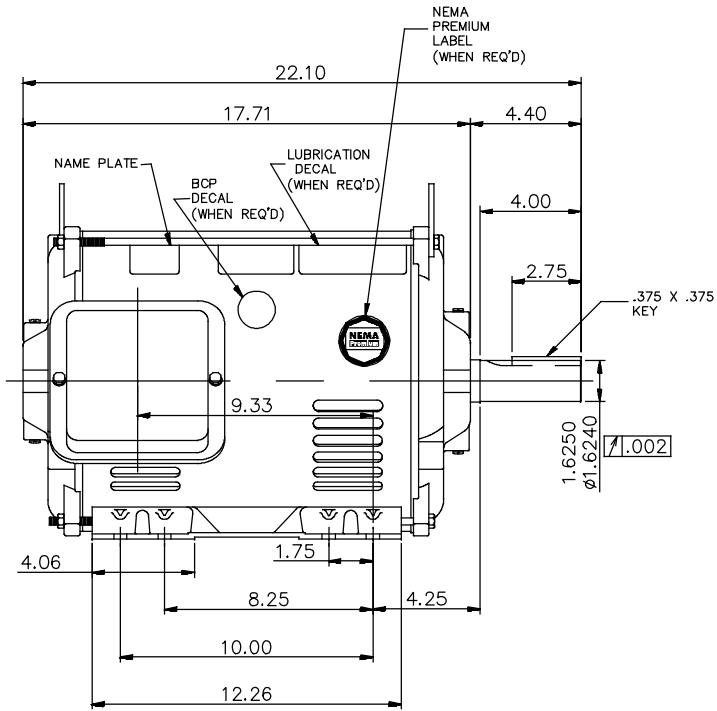
Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	15.1 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	254T
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	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	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Shaft Diameter	1.625 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	037977-1300	Connection Diagram	EE7300U

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037977



NOTES:

1. CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
2. MOTOR IS SUITABLE FOR FIELD CONVERSION FROM AN F1 TO AN F2 CONDUIT BOX LOCATION.
3. MOTOR VENTILATION: AIR INTAKE THROUGH OPENINGS IN THE FACE OF EACH BRACKET AND EXHAUSTED THROUGH THE VENT SLOTS ON EACH END OF THE SHELL.

MOTOR DESCRIPTION:

3 PHASE OPEN DRIPPROOF STEEL SHELL 254T OR 256T MOUNTING. OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT BE DRIPPROOF AS DEFINED BY NEMA.

				TOLERANCES UNLESS SPECIFIED		DRAWN PVR 01/28/15
				DEC.	INCHES	
004	DECAL UPDATED AS PER ECR-0162503	GNK	09/14/2018	GNK	.X ±.1	APPD
003	ADDED NAME PLATE	MVG	12/12/17	SR	.XX ±.03	SCALE 1=4.2
002	CHANGED FROM 20 HP TO 15 HP	AS	01/19/17	ST	.XXX ±.005	REF 18748501-001
001	ADDED REGAL LOGO	SRK	02/23/16	GR	.XXXX ±.0005	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE 037977	SIZE A DRAWING NO. PAGE 1 OF 1 REV. 037977 003
				DIST LB		



TITLE OUTLINE
15 HP

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:	DRAWN BY DRS	Regal Beloit America, Inc.																					
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015	<table style="font-size: small; border-collapse: collapse;"> <tr> <td><u>DEC.</u></td> <td><u>INCH</u></td> <td><u>mm</u></td> <td><u>ANGLE</u></td> </tr> <tr> <td>.X</td> <td>±0.1</td> <td>[±2.5]</td> <td>±7' 30"</td> </tr> <tr> <td>.XX</td> <td>±0.02</td> <td>[±0.51]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.127]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.0127]</td> <td></td> </tr> </table>	<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]		DATE 09-27-1996
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ECO DESCRIPTION UPDATED TO SOLIDWORKS <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			APPROVED BY GK	MATERIAL _____ PROCESS/FINISH _____																						
			DATE 09-30-1996			REFERENCE	<table style="font-size: small; border-collapse: collapse;"> <tr> <td>SIZE</td> <td>DRAWING NUMBER</td> <td>SHEET</td> </tr> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">EE7300U</td> <td style="text-align: center;">1 OF 1</td> </tr> </table>		SIZE	DRAWING NUMBER	SHEET	A	EE7300U	1 OF 1												
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A	EE7300U	1 OF 1																								
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 $\sqrt{\text{INCH}}$ 5.1 $\sqrt{\text{mm}}$ mm SHOWN IN [BRACKETS]			THIRD ANGLE PROJECTION	_____																						



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

HP 15.00

PHASE 3

Model No 254TTDR16057

60

HZ

VOLTS 575

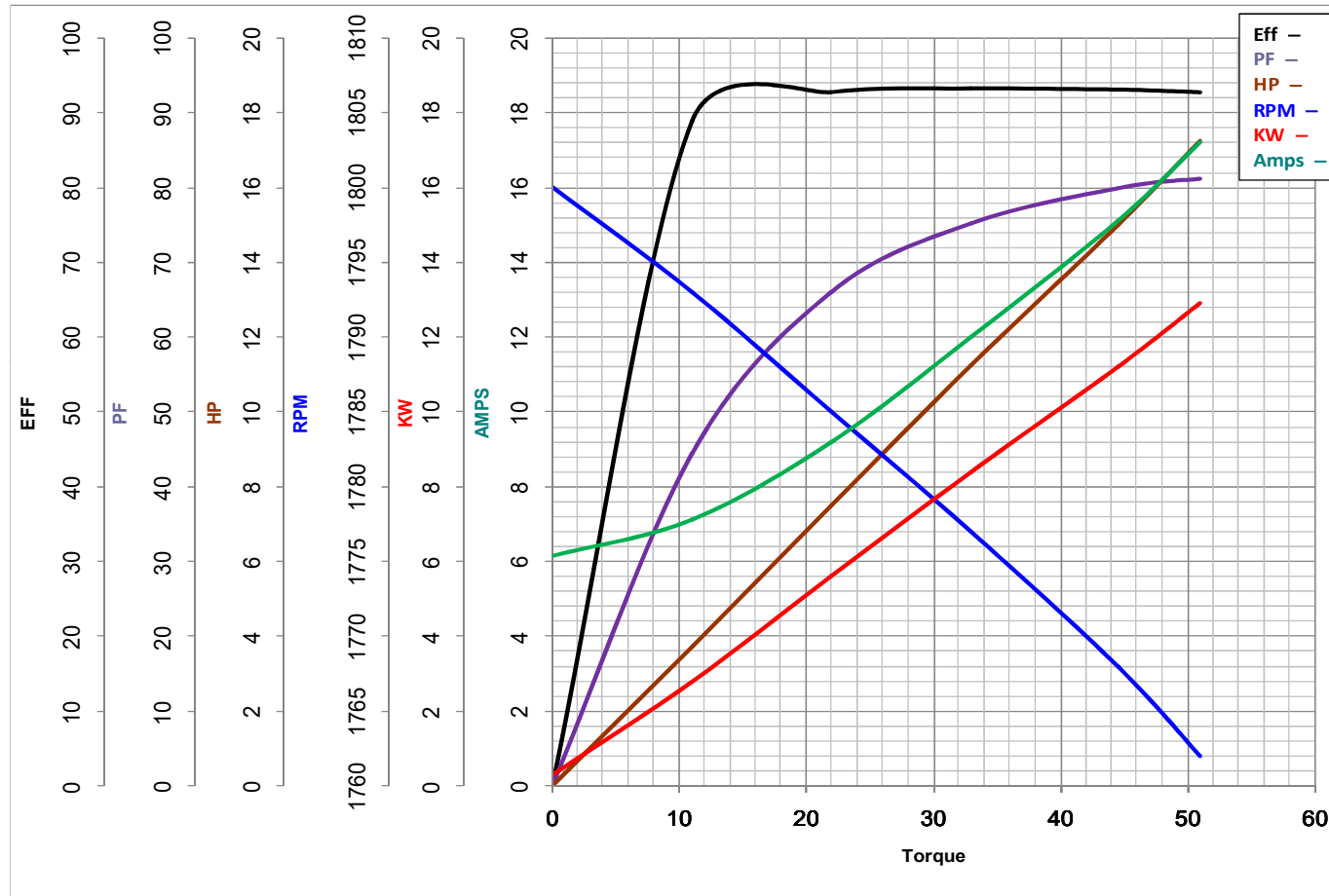
15

HP

HZ 60

RPM 1768

Catalog No E760A



Torque in Lb.Ft

FL TORQUE 44.5 Lb.Ft
BD TORQUE 117.0 Lb.Ft
LR TORQUE 84.1 Lb.Ft

FL AMPS 15.1
PU TORQUE 75.7 Lb.Ft
LR AMPS 91.2

WINDING BGR4T01-3

Date 1/7/2019