

PRODUCT INFORMATION PACKET

Model No: 256TTDR16038

Catalog No: E761A

General Purpose Motors, Drip Proof, 20 HP, 3 Ph, 60 Hz, 575 V, 1765 RPM, 256T



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Nameplate Specifications

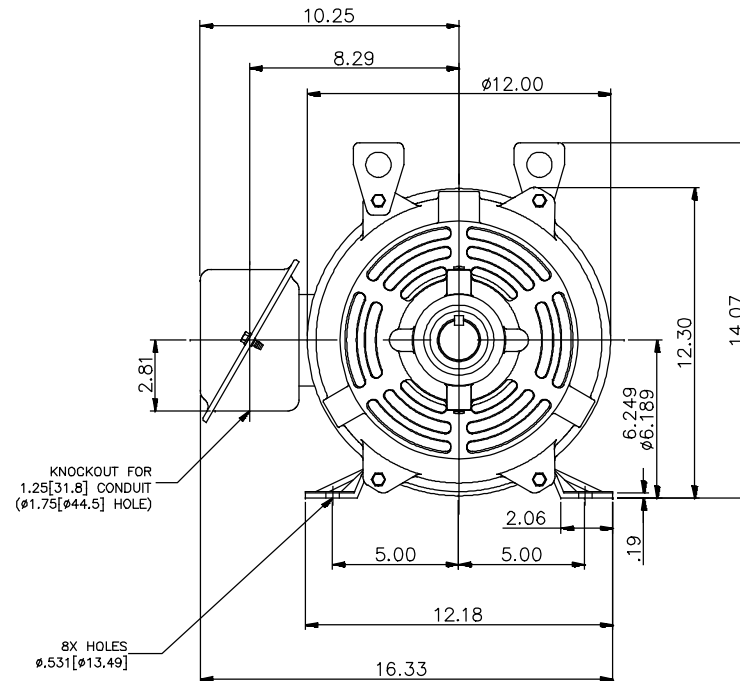
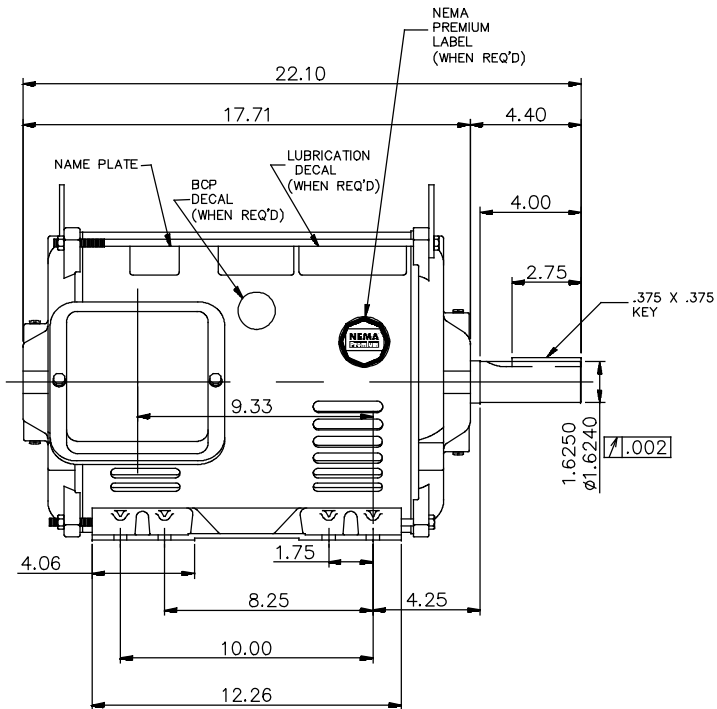
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	19.6 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	80.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive 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	0 Ohms	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 Drawing	EE7300

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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:

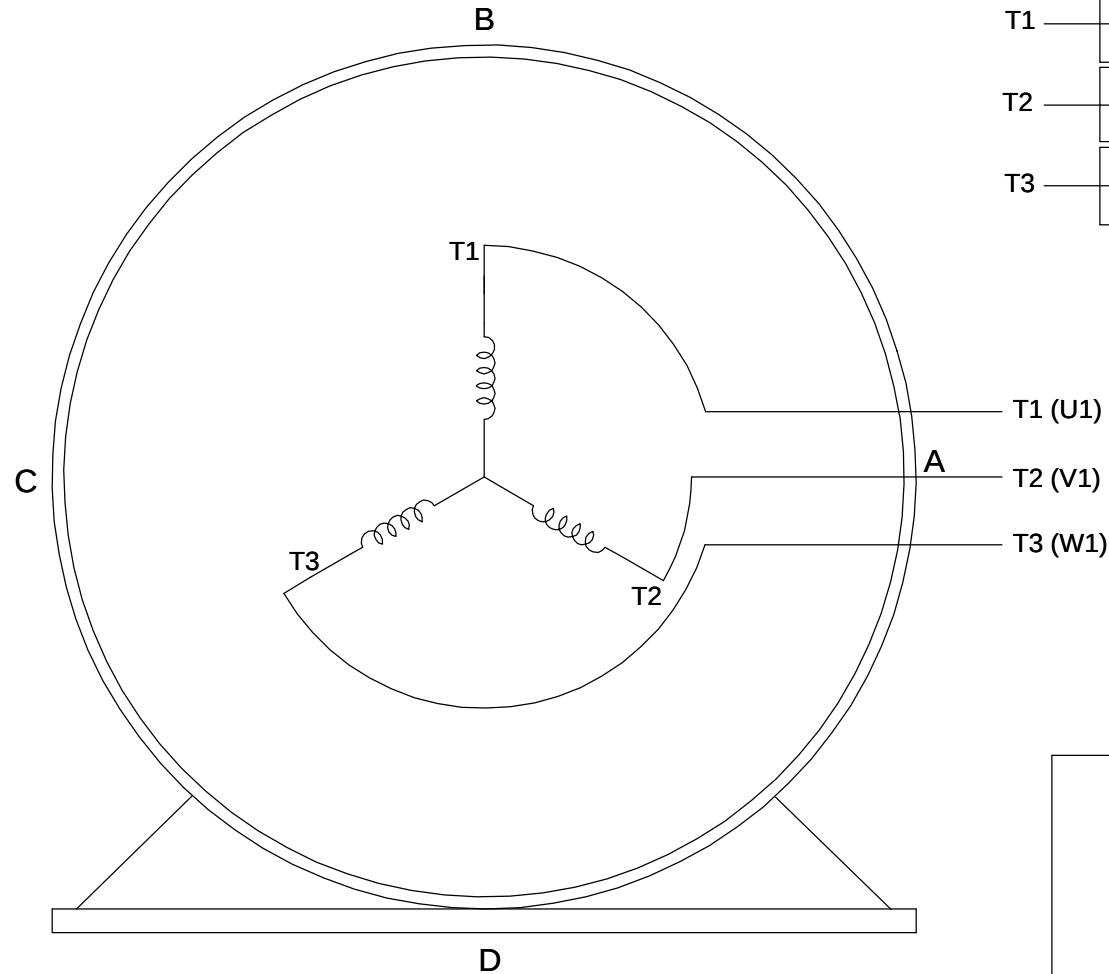
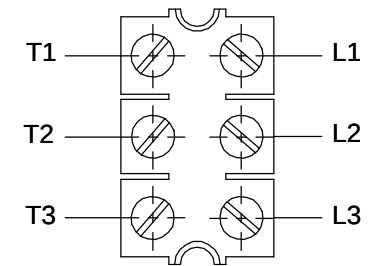
3 PHASE OPEN DRIPPROOF STEEL SHELL 254T OR 256T MOUNTING. OTHER MOUNTING ORIENTATIONS ARE ACCEPTABLE; HOWEVER WHEN MOUNTED OTHER THAN HORIZONTAL; MOTOR WILL NOT BE DRIPPROOF AS DEFINED BY NEMA.

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED DEC. INCHES	 Regal Beloit America, Inc.	DRAWN PVR 01/28/15		
							CHK	ST	01/28/15
004	DECAL UPDATED AS PER ECR-0162503	GNK 09/14/2018	GNK	.X	±.1	TITLE OUTLINE 15 HP MAT'L. FINISH	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	
					±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. 037977	PAGE 1 OF 1 REV. 003
					DIST LB				

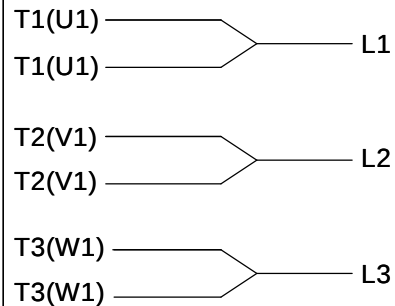
THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7300**OUTLINE:** 037977-1300**WINDING #:** BHR4T01 3**CUSTOMER PO#:****MODEL #:** 256TTDR16038 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1800	1765	256T	DP	F	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	19.6	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	93.6	3/4 LOAD EFF:	93.4	1/2 LOAD EFF:	92.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	80.5	3/4 LOAD PF:	77.6	1/2 LOAD PF:	67.3	91.7		SQ CAGE IND RUN

F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C
59.5 LB-FT		112		115 LB-FT 193 %		160 LB-FT 269 %		35

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		0 SEC.		0		288 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	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	T	NONE	NONE	1045 HOT ROLLED (C-204)	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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PREPARED BY: Dinesh**Suddula DATE:**

02/14/2019 03:52:38 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

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


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

 HP 20.00

 PHASE 3

 Model No 256TTDR16038
60

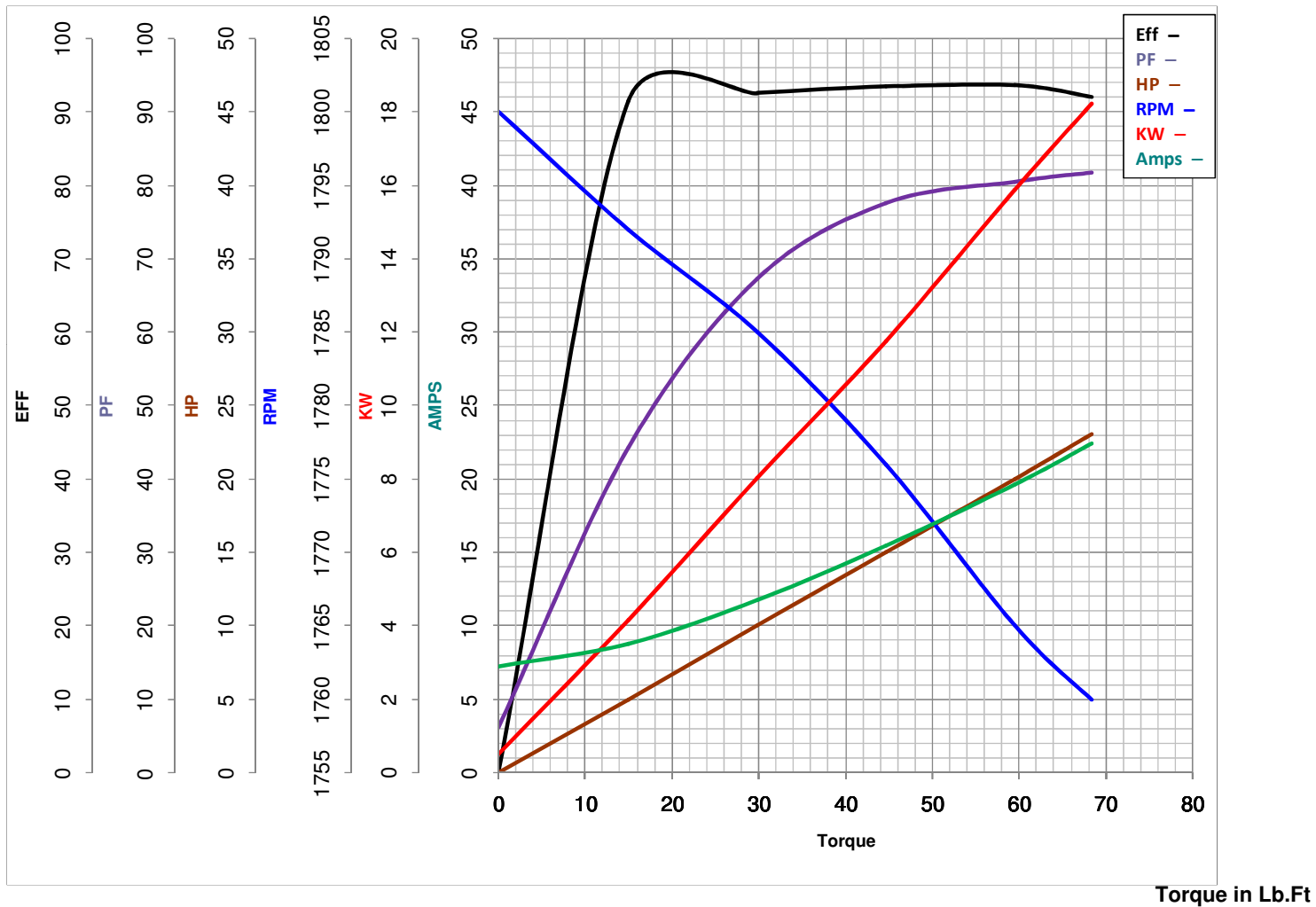
HZ

 VOLTS 575
20

HP

 Catalog No E761A

 HZ 60

 RPM 1765


FL TORQUE 59.5 Lb.Ft
 BD TORQUE 160.0 Lb.Ft
 LR TORQUE 115 Lb.Ft

FL AMPS 19.6
 PU TORQUE 113.0 Lb.Ft
 LR AMPS 112

WINDING BHR4T01-

Date 3/7/2019