

# PRODUCT INFORMATION PACKET



Model No: 116753.00

Catalog No: 116753.00

General Purpose Motor, 1.50 & 1.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,  
56 Frame, DP



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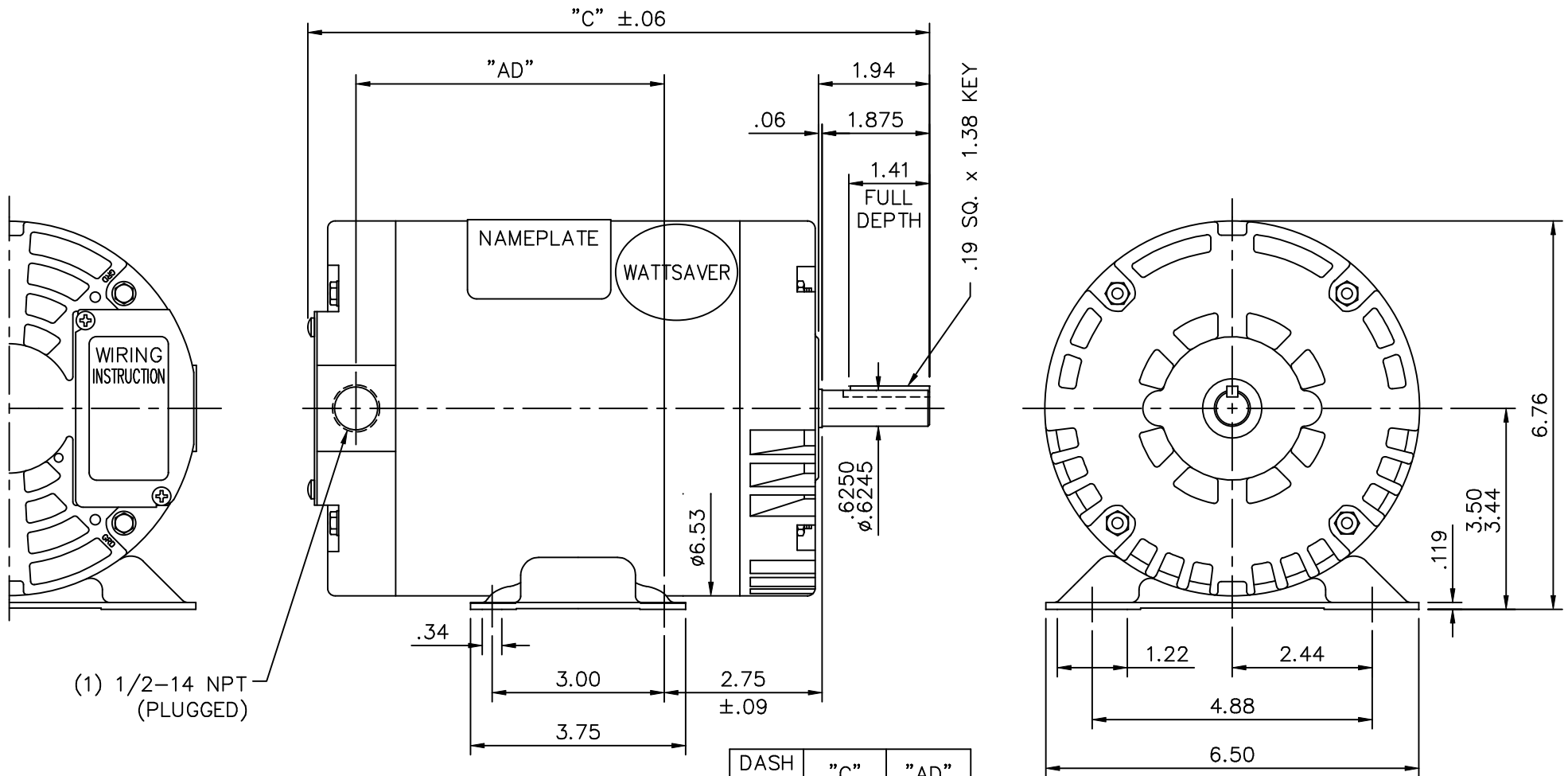


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>1.50 &amp; 1.50 Hp</b>
Output KW	<b>1.1 &amp; 1.1 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>3490 &amp; 2890 rpm</b>	Service Factor	<b>1.25 &amp; 1.25</b>
Frame	<b>56</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>Automatic</b>	Efficiency	<b>84 &amp; 84 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>4.4-4/2 &amp; 4.8/2.4 A</b>	Power Factor	<b>82</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>M</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>22</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>8.5 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>11.84 in</b>
Frame Length	<b>7.00 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 Only</b>
Connection Drawing	<b>005010.20</b>	Outline Drawing	<b>028699-700</b>



DASH NO.	"C"	"AD"
600	10.84	5.37
650	11.34	5.87
700	11.84	6.37
750	12.34	6.87
800	12.84	7.37

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

DRAWN	RDW 8/6/05
CHK	
APPD	SW 8/6/05
SCALE	3=8
REF	034944
FMF	
PREV	

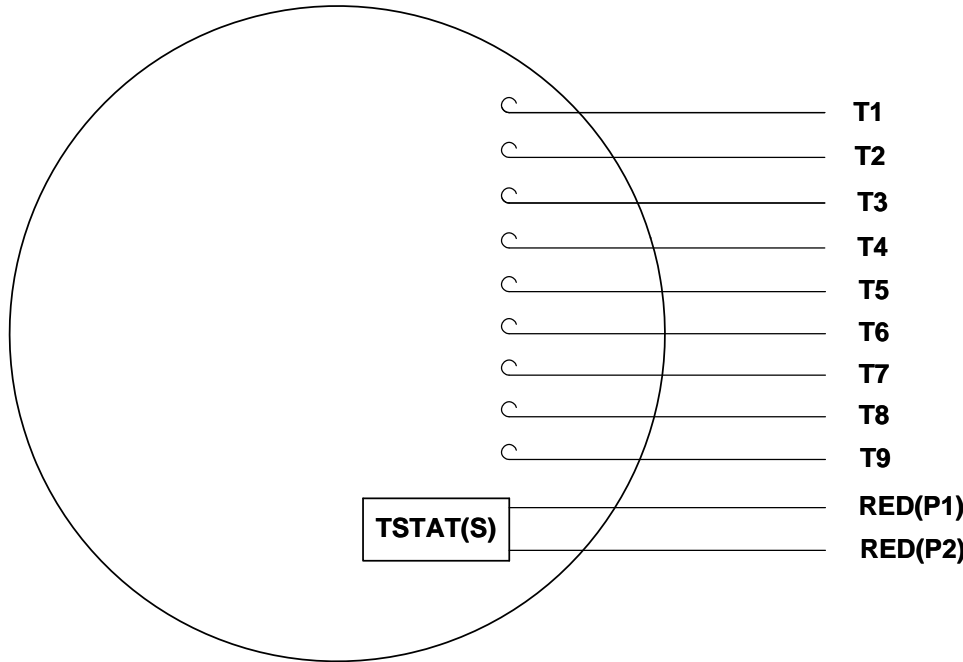
TITLE	OUTLINE - 56 FRAME DRIP PROOF - RIGID
MAT'L.	WATSAVER
FINISH	

NO.	REVISION	BY & DATE	CHK	ANG

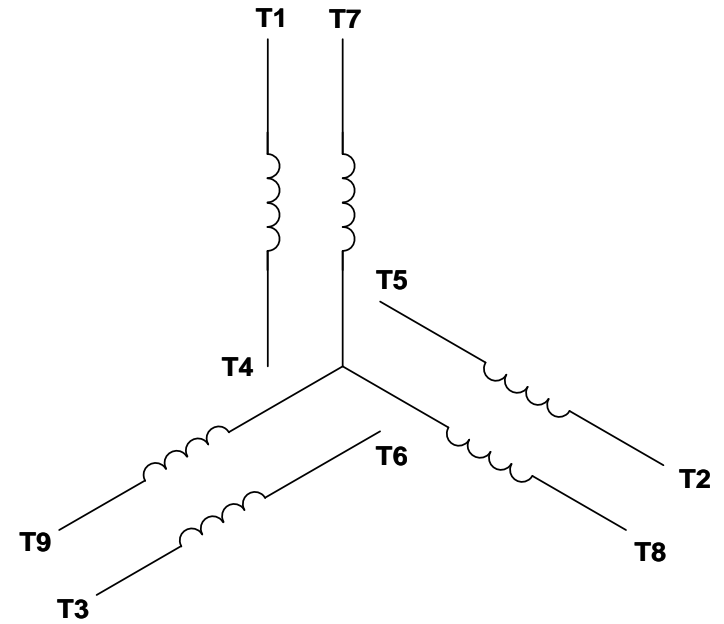
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RFP	8/6/05	CAD FILE	028699	SIZE	DRAWING NO.	REV.
DIST	BRF-NLV			A	028699	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



**LINE LEADS**



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

DRAWING REVISION **G** REVISION BY **MVG** DATE **04/05/2017**

ECO **ECO-0121253** APPROVED BY **SM** DATE **04/05/2017**

ECO DESCRIPTION  
**ADDED P1 & P2 FOR TSTAT**

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.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: 125/3.2 INCH/mm**  
**mm SHOWN IN [BRACKETS]**

DRAWN BY **DBT 12/16/97**

DATE

APPROVED BY **KH 12/17/97**

DATE

REFERENCE

THIRD ANGLE PROJECTION



DESCRIPTION  
**CONN DIAGRAM-EXTERNAL**  
**3 PHASE WITH PROTECTOR**

MATERIAL **DECAL - 004014 (TSTAT) - 080582** PROCESS/FINISH **STOCK**

SIZE **A** DRAWING NUMBER **00501020** SHEET **1 OF 1**



**CERTIFICATION DATA SHEET**

**1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810**

**CONN. DIAGRAM:** 005010.20

**CATALOG #:** 116753.00

**OUTLINE:** 028699-700

**MOUNTING:** F1 ONLY

**WINDING #:** T632173 DR 3 D

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1 1/2	1.12&1.12	3600	3490&2890	56	DP	M	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	4.4-4/2&4.8/2.4	ACROSS THE LINE	CONTINUOUS	F4	1.25/1.25	40

FULL LOAD EFF:	84&84	3/4 LOAD EFF:	82.2	1/2 LOAD EFF:	79.1	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	82&78.5	3/4 LOAD PF:	76.3	1/2 LOAD PF:	64.7	0		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.25 LB-FT	42 / 21	8.5 LB-FT 378 %	11.2 LB-FT 498 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.063 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	0 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	GREEN - LEESON WATTSAVER

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

\*

**INVERTER TORQUE:** NONE  
**INV. HP SPEED RANGE:** NONE

N

**ENCODER:** NONE  
NONE NONE  
NONE NONE PPR

O

T

**BRAKE:** NONE NONE  
NONE P/N NONE  
NONE NONE  
NONE FT-LB NONE V NONE Hz

E

S



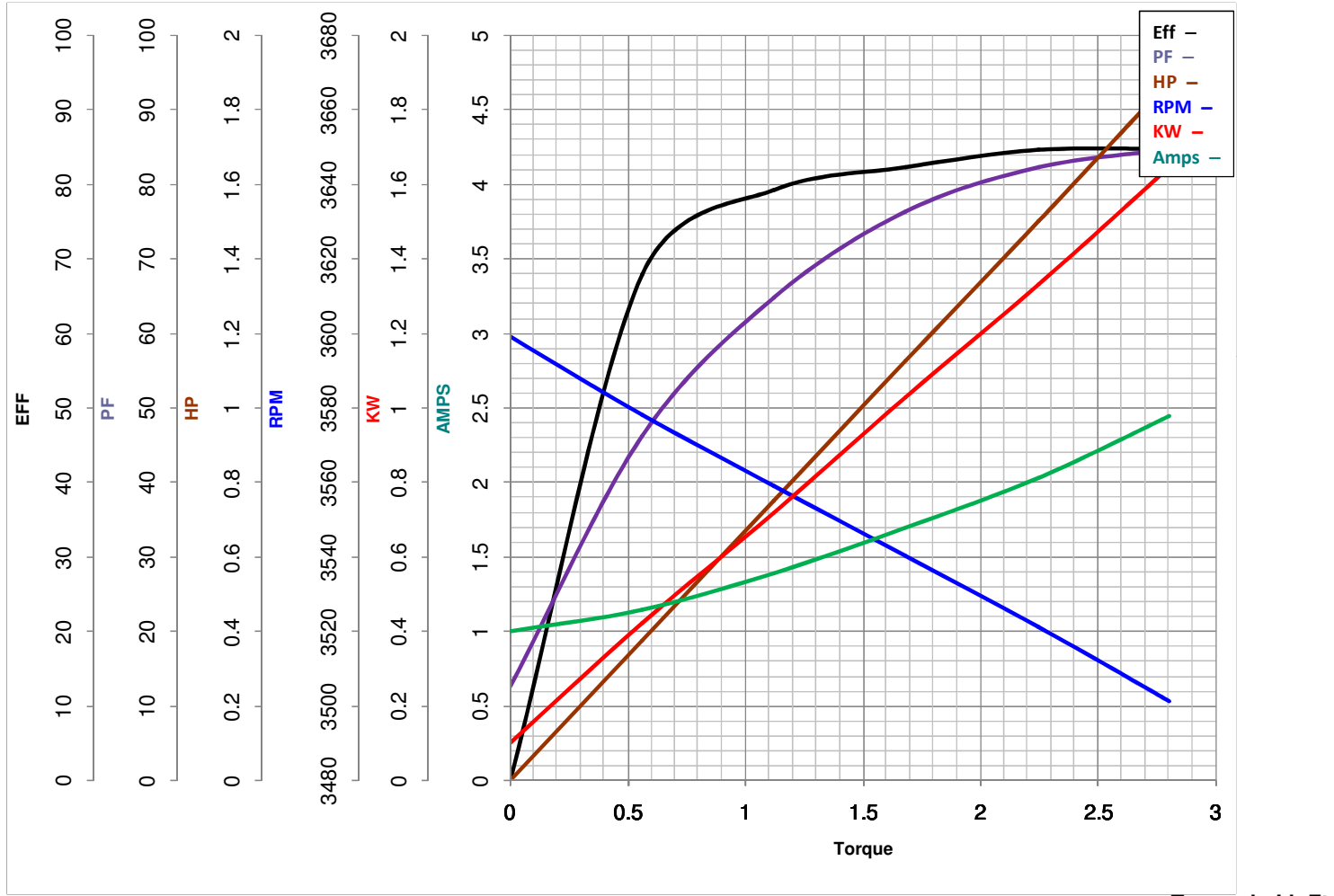
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 116753.00

Catalog No 116753.00

Curve at 460 Volts HP 1.5&1.5 PHASE 3  
60 HZ  
1.5 HP VOLTS 230/460&190/380

HZ 60&50 RPM 3490&2890



FL TORQUE	<u>2.25</u>	Lb.Ft	FL AMPS	<u>4.4-4/2</u>	
BD TORQUE	<u>11.2</u>	Lb.Ft	PU TORQUE	<u>8.5</u>	Lb.Ft
LR TORQUE	<u>8.5</u>	Lb.Ft	LR AMPS	<u>21</u>	
WINDING	T632173-3		Date	<u>5/24/2018</u>	

## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
100 East Randolph St.  
Wausau, WI 54401

and the authorized representative  
established within the Community:

Marathon Electric UK  
6F Thistleton Road Ind. Estate  
Market Overton  
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 116753.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 116753.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon  
Vice President, Technology

Authorized Representative in the Community:



Julian Clark  
Marketing Engineer

Created on 09/06/2022

**CE 22**