

# PRODUCT INFORMATION PACKET



Model No: 103018.00  
Catalog No: 103018.00  
0.50 HP General Purpose Motor, 3 phase, 1800 RPM, 230/460 V, 56 Frame, ODP  
Three Phase ODP Motors



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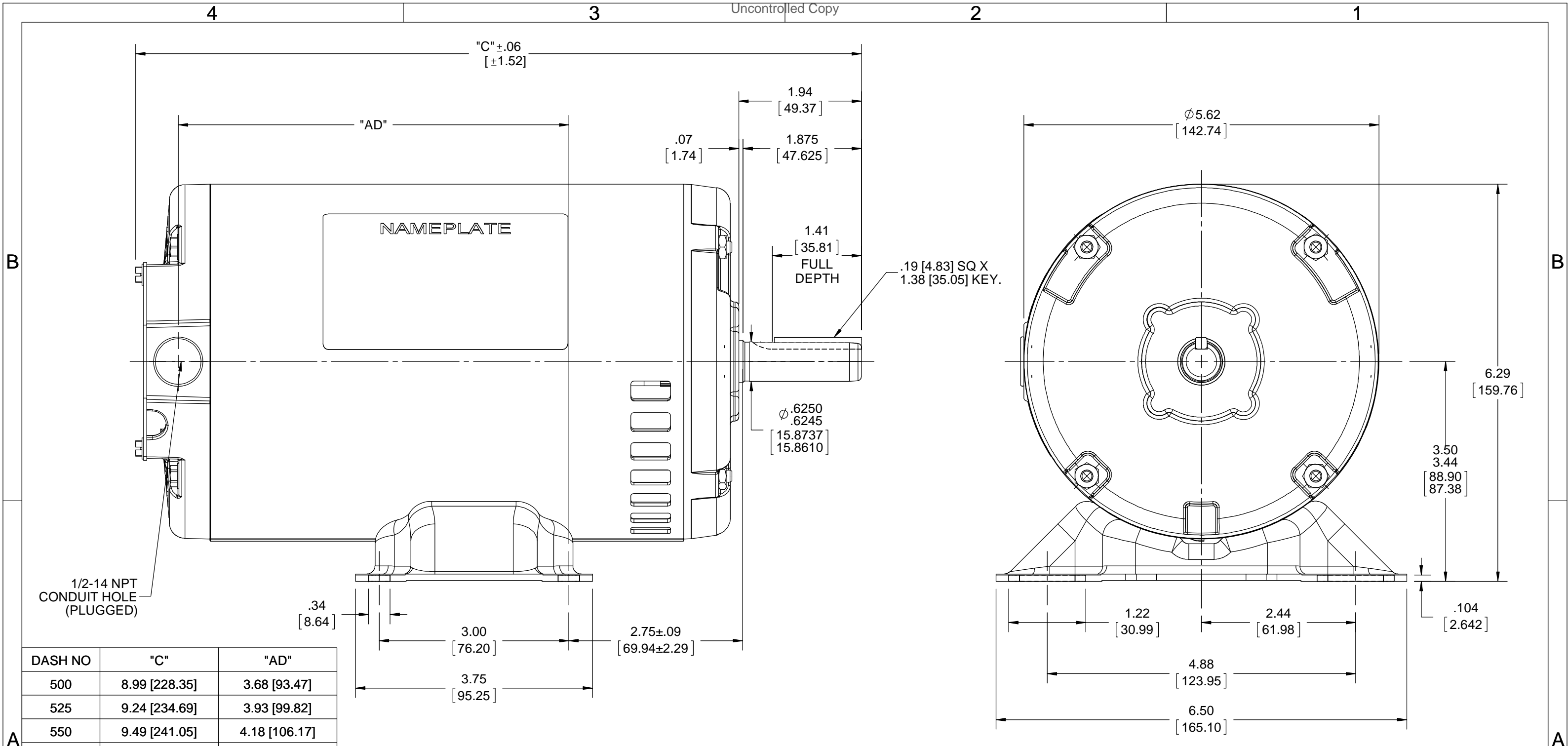
### Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60/50 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>1.8/0.90 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>77 %</b>	Power Factor	<b>69</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>No Design Code</b>	KVA Code	<b>M</b>
Frame	<b>S56</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>Automatic</b>	Ambient Temperature	<b>40 °C</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>

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>9.144 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>NEMA 56</b>	Overall Length	<b>10.74 in</b>
Frame Length	<b>6.75 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>031620-675</b>

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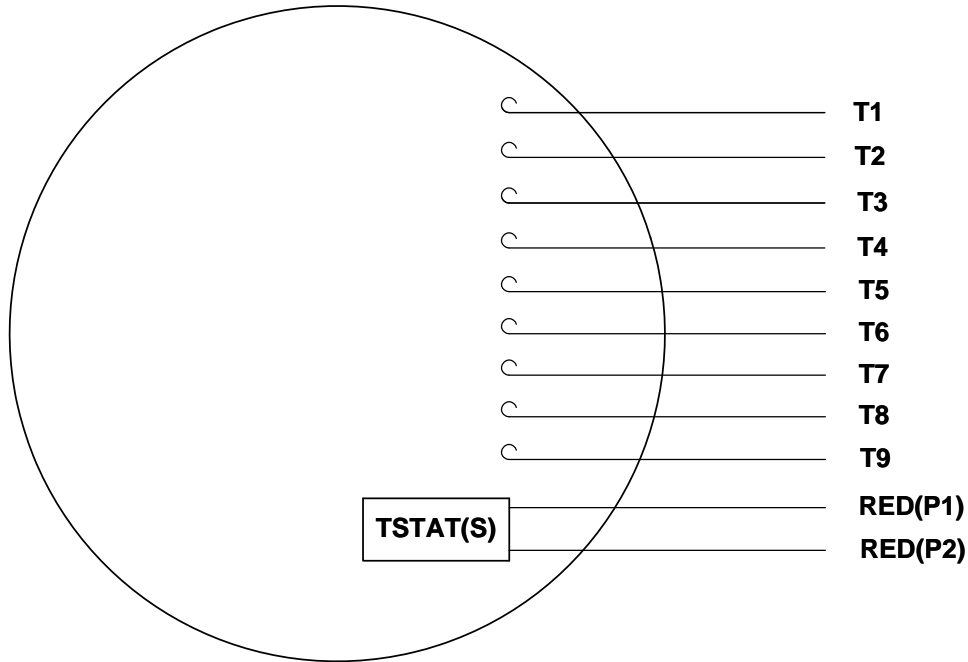
DASH NO	"C"	"AD"
500	8.99 [228.35]	3.68 [93.47]
525	9.24 [234.69]	3.93 [99.82]
550	9.49 [241.05]	4.18 [106.17]
575	9.74 [247.39]	4.43 [112.52]
600	9.99 [253.75]	4.68 [118.87]
625	10.24 [260.09]	4.93 [125.22]
650	10.49 [266.45]	5.18 [131.57]
675	10.74 [272.79]	5.43 [137.92]
700	10.99 [279.15]	5.68 [144.27]
725	11.24 [285.49]	5.93 [150.97]
750	11.49 [291.85]	6.18 [156.97]
775	11.74 [298.19]	6.43 [163.32]
800	11.99 [304.55]	6.68 [169.67]

DRAWING REVISION E	REVISION BY A SUPPANAVAR	DATE 09/18/2018
ECO ECO-0154532	APPROVED BY JD	DATE 10/11/2018
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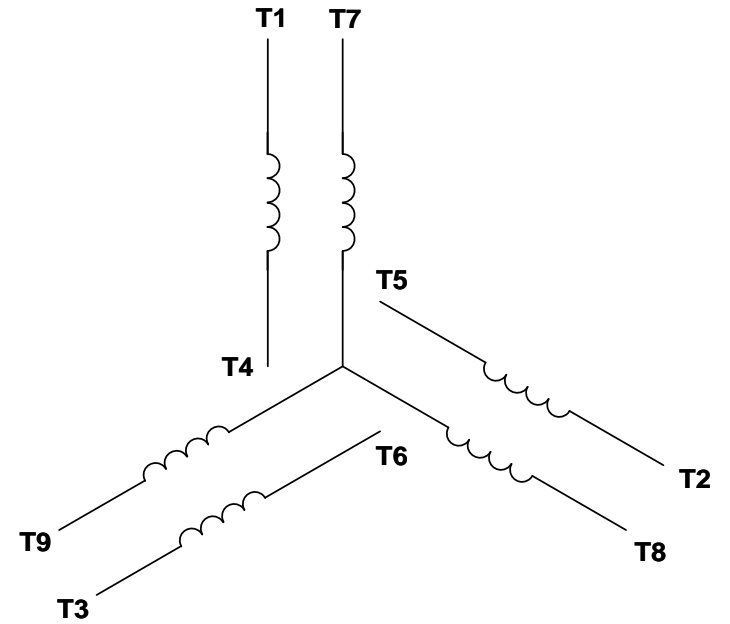
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]			

DRAWN BY PG	REGAL™ Regal Beloit America, Inc.	
DATE 5/24/01	DESCRIPTION <b>OUTLINE</b> RIGID MOUNT-DRIP PROOF 3 PHASE	
APPROVED BY	MATERIAL	PROCESS/FINISH
DATE	SIZE B	DRAWING NUMBER 031620
REFERENCE 031067	SHEET 1 OF 1	
THIRD ANGLE PROJECTION		

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

**REGAL**™ Regal Beloit America, Inc.

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**