PRODUCT INFORMATION PACKET

Model No:
Catalog No: F680V1
3/4,1725 & 1425,DP,56,1/60/115/230
Self Cooled



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Nameplate Specifications

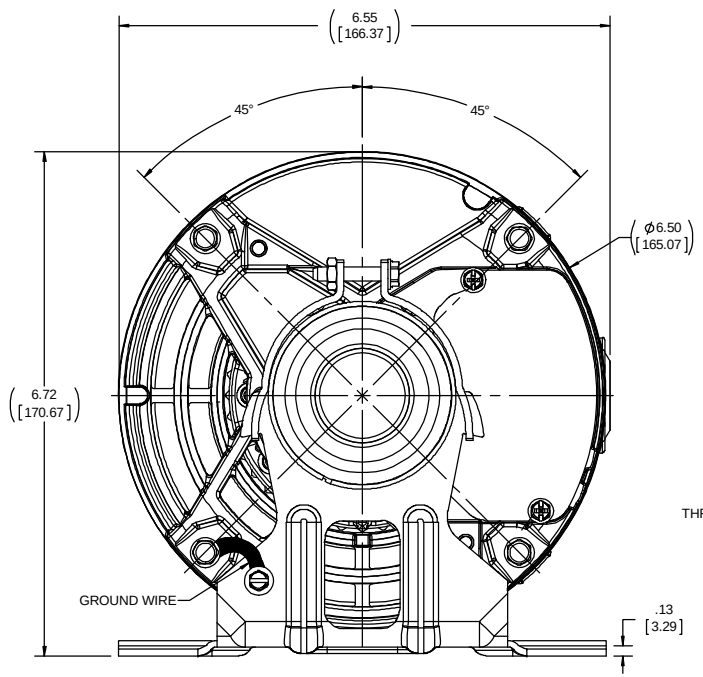
Output HP	**0.75 HP**	Output KW	**0.56 kW**
Frequency	**60 Hz**	Voltage	**115/230 V**
Current	**9.6/4.8&10.4/5.2 A**	Speed	**1725&1425 RPM**
Phase	**1**	Duty	**Continuous**
Insulation Class	**B**	Frame	**56**
Enclosure	**Drip Proof**	Overload Protector	**Thermally Protected**
Ambient Temperature	**40 °C**	UL	**Recognized**
CSA	**Y**	CE	**Y**

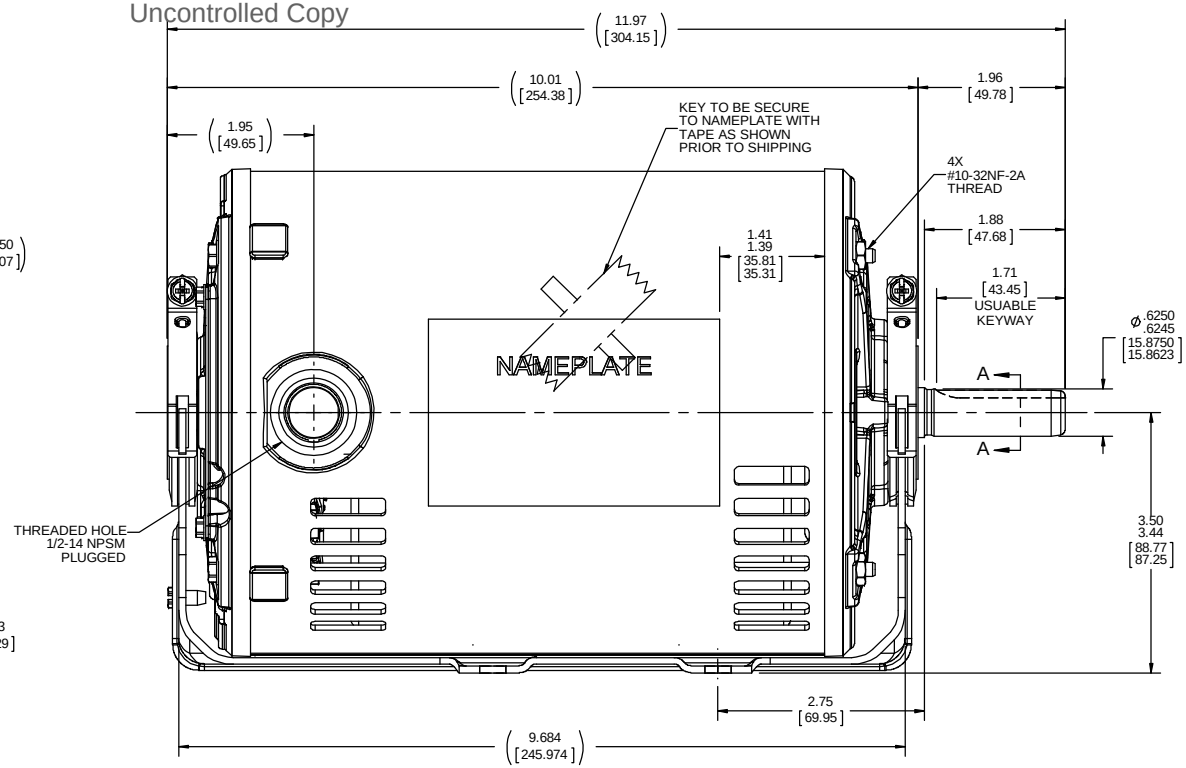
Technical Specifications

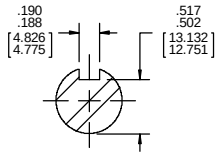
Electrical Type	**Split Phase**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Mounting	**Resilient Base**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**NEMA 56**	Overall Length	**12.04 in**
Frame Length	**7.65 in**	Shaft Diameter	**0.625 in**
Shaft Extension	**1.88 in**		
Outline Drawing	**OL56100105-001**	Connection Diagram	**DD10030-001**

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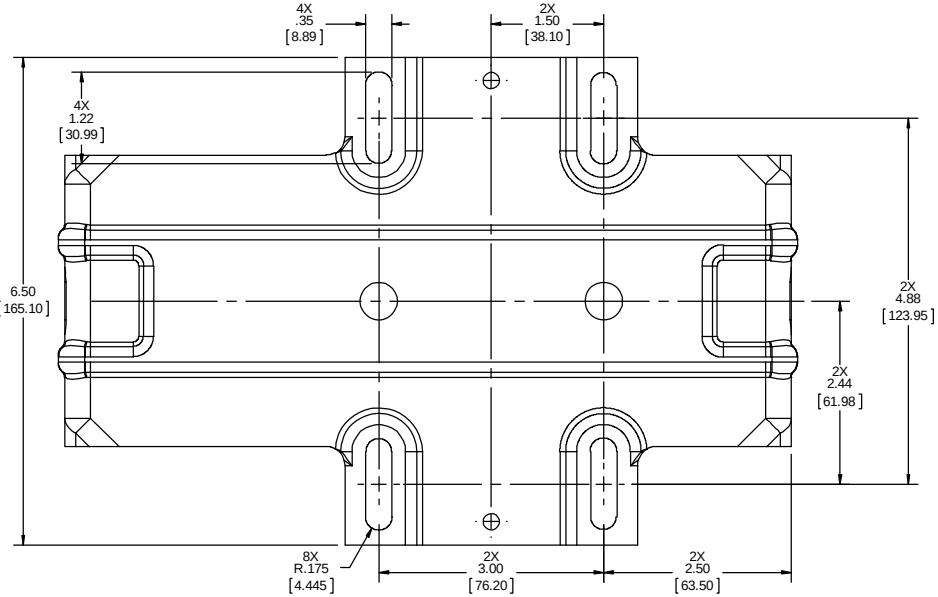
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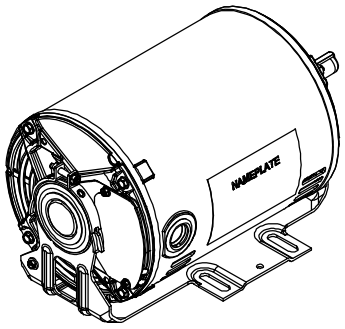


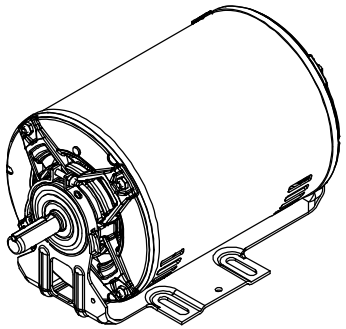




SECTION A-A







DRAWING REVISION: B	REVISION BY: SHESHI	DATE: 01/10/2019
ECO: ECO-0159623	APPROVED BY: D.SURYANSHI	DATE: 01/10/2019
ECO DESCRIPTION: UPDATED MOTOR ASSY		

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DRAWN BY: J.RUIZ	
DATE: 06-10-2016	
APPROVED BY: J.ORTEGA	
DATE: 06-10-2016	
REFERENCE: F680	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION: OUTLINE
56FR,DP,1-PHASE

MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
C	OL56100105-001	1 OF1

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CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

CONN. DIAGRAM: CDSD101

CUSTOMER PART #:

OUTLINE: OL56100105-001

MOUNTING: F1 ONLY

WINDING #: NS5642 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4&3/4	0.56&0.56	1500	1725&1425	56	DP	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60/50	115/230&115/230	9.6/4.8&10.4/5.2	ACROSS THE LINE	CONTINUOUS	B3	1.25/1.25	40

FULL LOAD EFF:	70&68	3/4 LOAD EFF:	68.7	1/2 LOAD EFF:	66	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	72.5&70.5	3/4 LOAD PF:	62	1/2 LOAD PF:	49.7	64	SPLIT PHASE

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.687 LB-FT	55.5 / 27.7	2.34 LB-FT 87.21 %	5.69 LB-FT 211.62 %	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 LB-FT^2	0 LB-FT^2	0 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	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

NOTES

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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: Bhargavi Dontham
DATE: 08/27/2018 04:56:42 AM
FORM 3531 REV.3 02/07/99
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CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

CONN. DIAGRAM: CDSD101

CUSTOMER PART #:

OUTLINE: OL56100105-001

MOUNTING: F1 ONLY

WINDING #: NS5642 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4&3/4	0.56&0.56	1800	1725&1425	56	DP	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60/50	115/230&115/230	9.6/4.8&10.4/5.2	ACROSS THE LINE	CONTINUOUS	B3	1.25/1.25	40

FULL LOAD EFF:	70&68	3/4 LOAD EFF:	71.3	1/2 LOAD EFF:	68.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	72.5&70.5	3/4 LOAD PF:	64.1	1/2 LOAD PF:	52.2	66	SPLIT PHASE

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.256 LB-FT	56.7 / 28.4	1.93 LB-FT 85.32 %	5.03 LB-FT 222.71 %	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 LB-FT^2	0 LB-FT^2	0 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	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

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

NOTES

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PREPARED BY: Bhargavi Dontham
DATE: 08/27/2018 04:56:42 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

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CENTURY

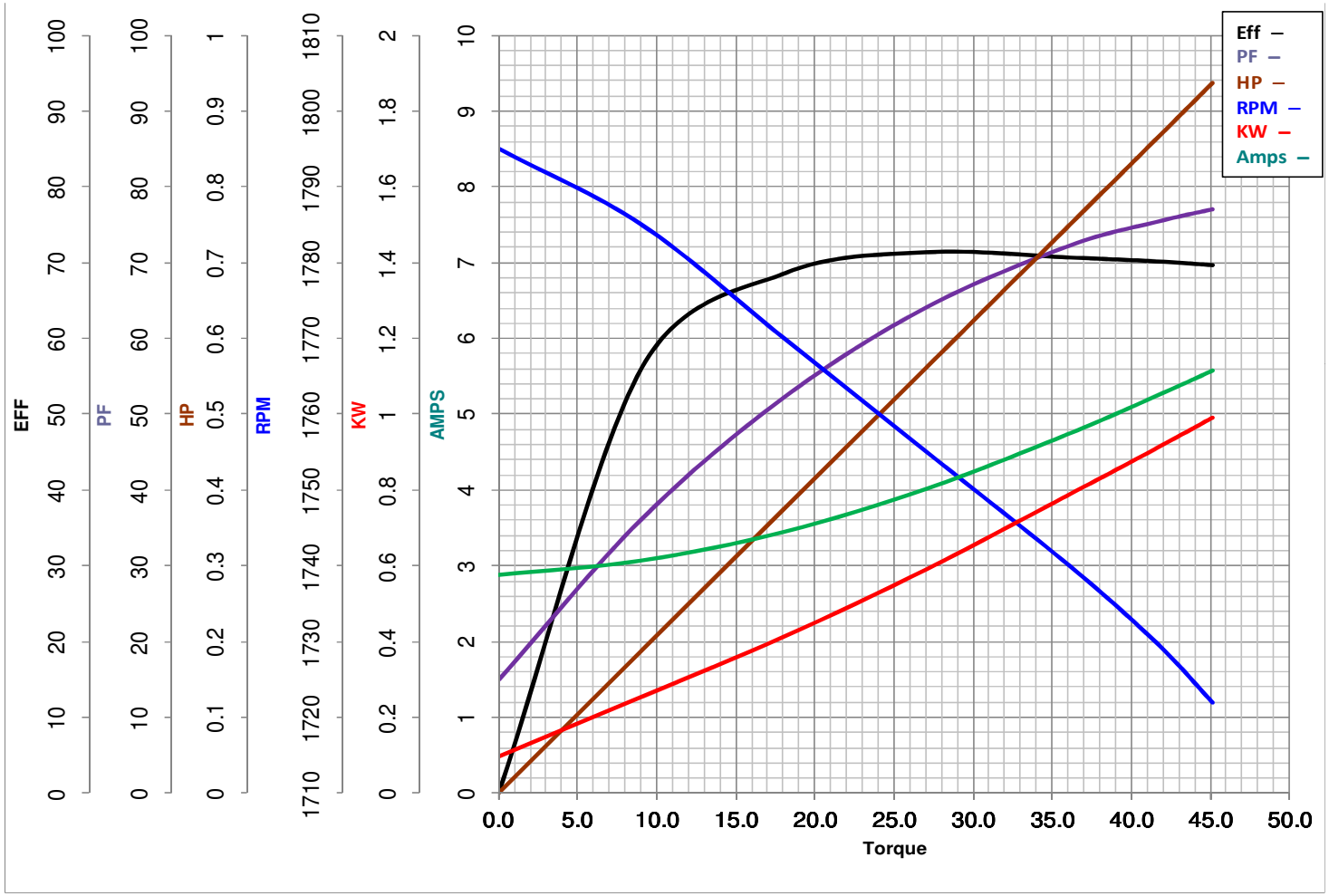
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer WW Grainger **Curve at** 230 **Volts** **HP** 0.75&0.75 **PHASE** 1

60 **HZ**

Model No F680V1 0.75 **HP** **VOLTS** 115/230&115/230

Catalog No F680V1 **HZ** 60&50 **RPM** 1725&1425



Torque in Oz.Ft

FL TORQUE	36.1 **Oz.Ft**		**FL AMPS**	9.6/4.8	
BD TORQUE	80.5 **Oz.Ft**		**PU TORQUE**	25.3	**Oz.Ft**
LR TORQUE	30.88 **Oz.Ft**		**LR AMPS**	28.36	
WINDING	NS5642-3	**Prepared By** BHARGAVI		**Date**	**8/27/2018**