

PRODUCT INFORMATION PACKET

FASCO®

Model No: D1050A

Catalog No: D1050A

OEM Replacement Motor, 1/8 HP, 1 Ph, 60/50 Hz, 230 V, 1550 RPM, 1 Speed, 42 Frame, OAO



Regal and FASCO are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord



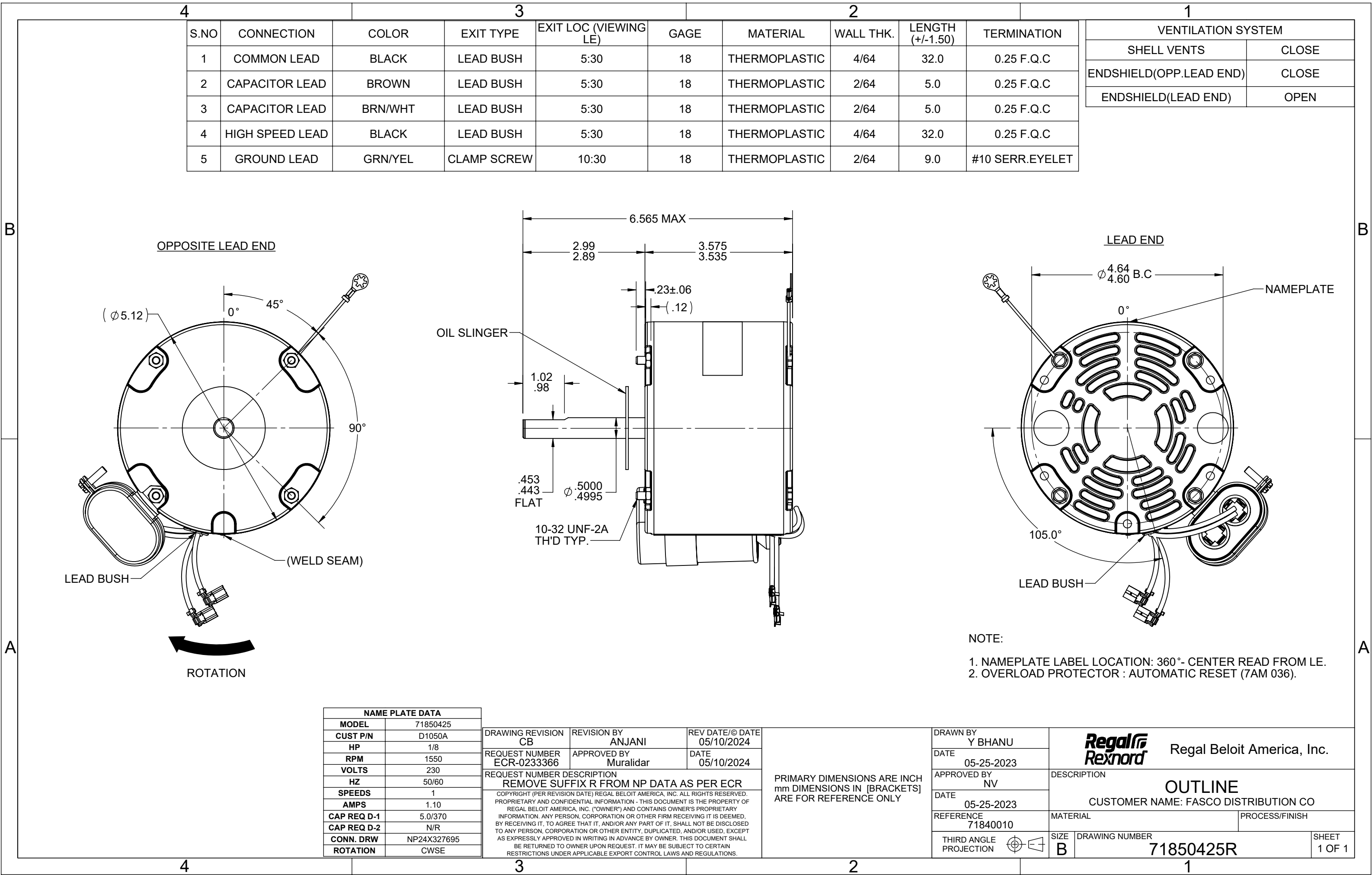
Nameplate Specifications

Phase	1	Output HP	1/8 Hp
Voltage	230 V	Speed	1550 rpm
Service Factor	1.0	Frame	42
Enclosure	Open Air Over	Thermal Protection	Automatic
Ambient Temperature	40 °C	Frequency	60/50 Hz
Current	1.1 A	Duty	Continuous
Insulation Class	B	UL	Recognized
CSA	Y	CE	N
Number of Speeds	1		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Counterclockwise Lead End
Mounting	Round Belly Band	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Flat	Frame Length	3.58 in
Shaft Diameter	0.500 in	Shaft Extension	2.95 in
Outline Drawing	71850425R		

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/23/2025



Winding and Test Specification

WTS # 82850425-1																									
Revision # 0					Rev. Date : May 19, 2023		First Made for : 71850425R																		
WTS Nameplate Data <table><tr><td>Horsepower</td><td>1/8</td><td>RPM</td><td>1550</td></tr><tr><td>Voltage</td><td>230</td><td>Amps</td><td>1.10</td></tr><tr><td>Frequency</td><td>50/60</td><td>Phases</td><td>1</td></tr><tr><td>Capacitor</td><td>5.0 μfd</td><td>Cap Volts</td><td>370</td></tr></table> Test Volts : 230 Low Spd St Volts : 125 Test Frequency : 60 Test Instructions : 24A105040AA-P1										Horsepower	1/8	RPM	1550	Voltage	230	Amps	1.10	Frequency	50/60	Phases	1	Capacitor	5.0 μ fd	Cap Volts	370
Horsepower	1/8	RPM	1550																						
Voltage	230	Amps	1.10																						
Frequency	50/60	Phases	1																						
Capacitor	5.0 μ fd	Cap Volts	370																						
Winding		Resistance																							
		Min	Nominal	Max																					
Main *		57.95	61.00	64.05																					
X Main																									
Y Main																									
Z Main																									
W Main																									
Start		82.12	86.44	90.77																					
		N. L. Performance Data			Full Load Performance																				
		Amps	Watts		Cap. Volts	Amps		Watts		Speed	Torque														
		Nominal	Nominal	Max		Nominal	Max	Nominal	Max	Nominal	Min	Nominal													
High		0.48	95	114	400	0.96	1.06	221	232	1620	8.5	9.4													
Med. High																									
Medium																									
Med. Low																									
Low																									
		Max. Torque		Locked Rotor																					
		RPM	Torque		Amps	Watts	Torque																		
			Min	Nominal	Nominal	Nominal	Nominal																		
High		1441	9.9	11.0	1.65	351	3.8																		
Med. High																									
Medium																									
Med. Low																									
Low																									
		Customer/Special Load Points																							
		Speed	Torque		Watts		Amps																		
		Nominal	Min	Nominal	Nominal	Max	Nominal	Max																	
High		1550	10.0	10.5	249	261	1.08	1.19																	
Med. High																									
Medium																									
Med. Low																									
Low																									



Motor Details

Model : 71850425R

General:

Application : **DIST SALES**
 Phases : **1**
 # of Speeds : **1**
 Testspec : **82850425-1**
 Horiz/Vertical : **HOR**
 Shell Enclosure : **CLOSED**
 Endshield Enclosure : **LE O/OLE C**

Nameplate Data:

Horsepower : **1/8**
 RPM : **1550**
 Voltage : **230**
 FL Amps : **1.10**
 Capacitor 1mFd/V : **5.00/370**
 Additional Information : **N/R**
N/R

Miscellaneous:

Fullload RPM - HI : **1620**
 Poles : **4**
 Rotation : **CCW**
 Thermal Protection :
 Finish Color: **STD GRAY**

OVERLOAD INFORMATION::

Protector: **24A100514P11**
 Catalog No: **7AM036A54838C**

THERMAL CUT-OFF INFORMATION:

TCO: **N/A**
 Catalog No: **N/A**

U.L.CONSTRUCTION FILES:

Motor Construction: **E46035(excluding SME)**
 Over Load : **E27885(excluding SME)**

Shaft:

PE Type : **FLAT**
 PE Length : **2.94**
 PE Diameter : **0**
 PE Flat Length : **1.00**

Endshields:

PE Material : **AL**
 PE Hub Type : **FLAT**
 PE Oiler : **N/R**
 PE Oil Plug : **N/R**
 PE Mounting Holes : **N/R**

Bearings:

PE Bearing Type : **BALL**
 Bearing Protection : **Yes**

Bearing Protection Details:

PE Ext Type : **SEAL**
 PE Int Type : **N/R**

Mounting:

Base : **N/R**
 Clamp Screw : **Yes**

Extended Clamp Screws:

PE Pattern :
 PE Length : **0.23**
 PE Nut Qty : **1**
 Head End : **OPE**
 Nut Thickness : **.12**

Lead & Cord :

Lead End : **OPE**
 Lead Exit H/W : **NYLON GROMMET**
 Lead Exit H/W Orient. : **STD**
 Conductor ID : **COMM-FIXED LINE**
 Exit : **5:30 - NYLON GROMMET**
 Color : **BLACK**
 Termination : **.25 FQC**
 Conductor ID : **CAPACITOR**
 Exit : **5:30 - NYLON GROMMET**
 Color : **BROWN**
 Termination : **.25 FQC**
 Conductor ID : **CAPACITOR**

Catalog Number :

Motor Category : **COMPLETE MOTOR**
 Production Status : **PROD**
 Stock Status :
 Approved For Sale :
 Restricted Model :
 Customer : **FASCO DISTRIBUTION**
 Customer Part# : **D1050A**

GE Type : **KCP**
 Time Rating : **AO**
 Frequency : **60/50**
 Insulation Class: **B**
 Capacitor 2mFd/V : **N/R**

GE Frame : **42**
 Shell Length : **3.125**
 Drains : **N**
 Est. Weight : **-10**
 Capacitor By : **RBC**

Overload Temp : **150/140**
 Vendor Name: **TEXAS INSTRUMENTS**

Overload Temp : **N/A**
 Vendor Name: **N/A**

Class B Insulation : **E306343(excluding SME)**
 CSA(REY) : **MC236833(excluding SME)**

OPE Type : **N/R**
 OPE Length : **N/R**
 OPE Diameter : **0**
 OPE Flat Length : **N/R**

OPE Material : **AL**
 OPE Hub Type : **FLAT**
 OPE Oiler : **N/R**
 OPE Oil Plug : **N/R**
 OPE Mounting Holes : **N/R**

OPE Bearing Type : **BALL**
 Rohs Compliant : **No**

OPE Ext Type : **N/R**
 OPE Int Type : **N/R**

Lug : **N/R**
 Weld Screw : **No**

OPE Pattern :
 OPE Length : **0**
 OPE Nut Qty : **0**
 Screw Size : **#10**

Lead Type :
 Lead Harness Desc : **N/R**

Length : **32.0**
 Mat'l Spec : **18 4/64 THERMOPLAST**
 Slot ID : **N/R**

Length : **5.0**
 Mat'l Spec : **18 2/64 THERMOPLAST**
 Slot ID : **N/R**

Conductor ID :	CAPACITOR		
Exit :	5:30 - NYLON GROMMET	Length :	5.0
Color :	BR/WH	Mat'l Spec :	18 2/64 THERMOPLAST
Termination :	.25 FQC	Slot ID :	N/R
Conductor ID :	HI		
Exit :	5:30 - NYLON GROMMET	Length :	32.0
Color :	BLACK	Mat'l Spec :	18 4/64 THERMOPLAST
Termination :	.25 FQC	Slot ID :	N/R
Conductor ID :			
Exit :	N/R - N/R	Length :	null
Color :	N/R	Mat'l Spec :	0 N/R N/R
Termination :	N/R	Slot ID :	N/R

Note : Exit position is viewed from the Lead End with the Shell Weld at 6:00.

Grounding :

Type :	LEAD	Location :	10:30 viewed from OPE with Oil boss at 12:00
Exit Type :	CLAMPSCREW	AWG Size :	18
Length :	9.00	Color :	GRN-YEL
Terminal :	#10 SERRATED EYELET	Ins.Material & Thickness	2/64 THRMOPLAST

Diagrams and Dimensions :

Outline Drawing :	71850425R	C-Dimension :	6.57
Connection Diagram :	24B200217 Fig# 2	Connection Label :	NP24X327695

Notes :

This document is the property of the Regal Beloit Company containing proprietary and confidential information.
Date of last revision : 28-OCT-23

