

PRODUCT INFORMATION PACKET

FASCO®

Model No: D354A

Catalog No: D354A

Fan Coil & Air Conditioner Motor, 1/6,1/10,1/20 HP, 1 Ph, 60 Hz, 115 V, 1050 RPM, 3 Speed,
42 Frame, OAO



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RegalRexnord



Nameplate Specifications

Phase	1	Output HP	1/6,1/10,1/20 Hp
Voltage	115 V	Speed	1050 rpm
Service Factor	1.0	Frame	42
Enclosure	Open Air Over	Thermal Protection	Automatic
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.8,1.6,0.88 A	Duty	Continuous
Insulation Class	B	UL	Recognized
CSA	Y	CE	N
Number of Speeds	3		

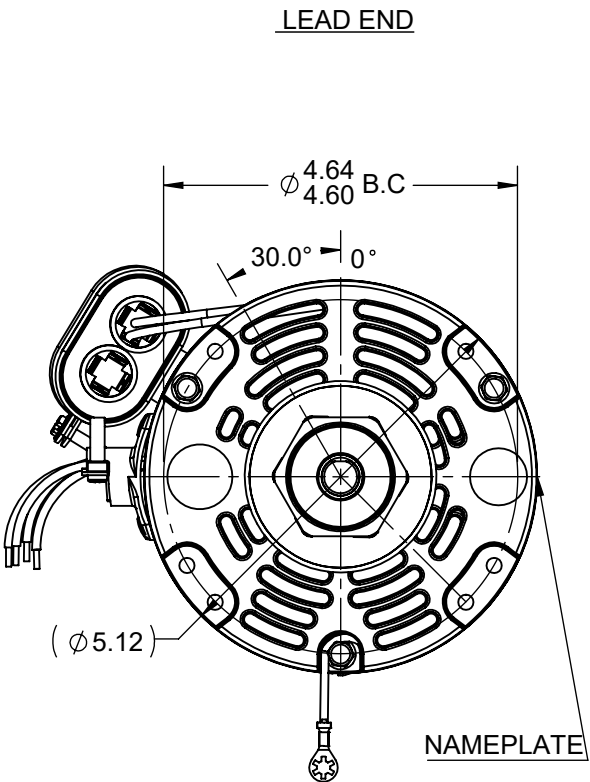
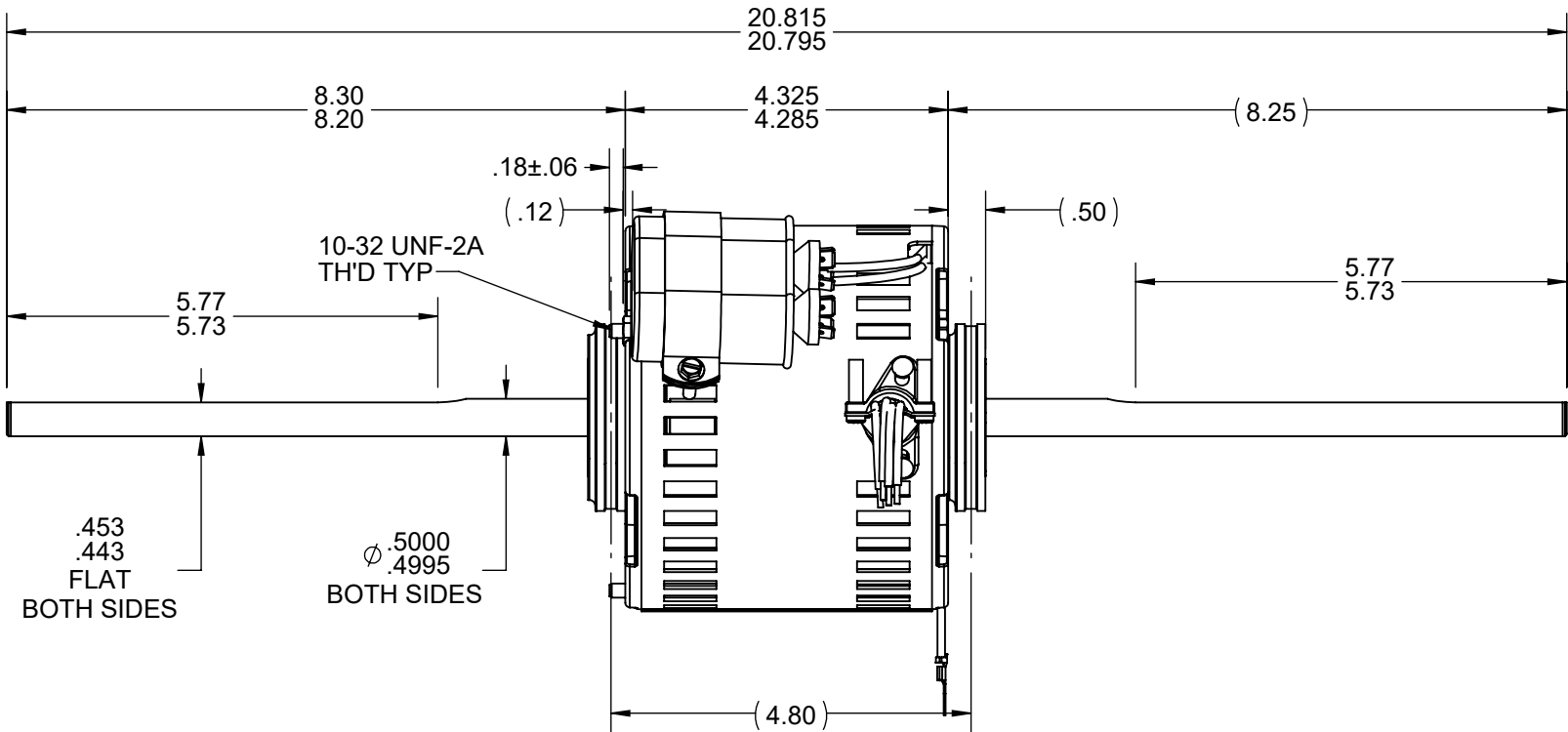
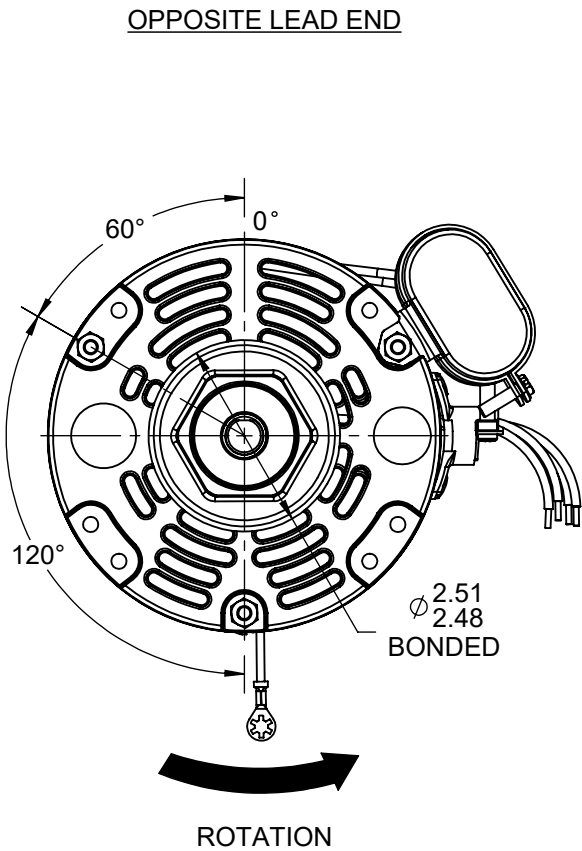
Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Clockwise Lead End
Mounting	Resilient Rings	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Flat	Frame Length	4.33 in
Shaft Diameter	0.500 in	Shaft Extension	8.25X.5X8.25 in
Outline Drawing	71870453R		

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4		3			2				1
S.NO	CONNECTION	COLOR	EXIT TYPE	EXIT LOC (VIEWING LE)	GAGE	MATERIAL	WALL THK.	LENGTH (+/-1.50)	TERMINATION
1	COMMON LEAD	WHITE	CONDUIT CLAMP	9:00	18	THERMOPLASTIC	2/64	31.00	0.5 BWS
2	CAPACITOR LEAD	BROWN	SHELL NOTCH	11:00	18	THERMOPLASTIC	2/64	4.0	0.25 FQC
3	CAPACITOR LEAD	BRN/WHT	SHELL NOTCH	11:00	18	THERMOPLASTIC	2/64	4.0	0.25 FQC
4	HIGH SPEED LEAD	BLACK	CONDUIT CLAMP	9:00	18	THERMOPLASTIC	2/64	31.00	0.5 BWS
5	MED SPEED LEAD	BLUE	CONDUIT CLAMP	9:00	18	THERMOPLASTIC	2/64	31.00	0.5 BWS
6	LOW SPEED LEAD	RED	CONDUIT CLAMP	9:00	18	THERMOPLASTIC	2/64	31.00	0.5 BWS
7	GROUND LEAD	GRN/YEL	CLAMP SCREW	6:00	18	THERMOPLASTIC	2/64	7.0	#10 SERR.EYELET

VENTILATION SYSTEM	
SHELL VENTS	OPEN
ENDSHIELD(OPP.LEAD END)	OPEN
ENDSHIELD(LEAD END)	OPEN



NAMEPLATE DATA	
MODEL	71870453R
CUST P/N	D354A
HP	1/6-1/10-1/20
RPM	1050 (3 SPD)
VOLTS	115
HZ	60
SPEEDS	3
AMPS	2.80 1.60 0.88
CAP REQ'D-1	4 MFD/370 VOLTS
CAP REQ'D-2	N/R
CONN. DRW	NP24X350200
ROTATION	CWLE

DRAWING REVISION C	REVISION BY TRSK	REV DATE/© DATE 12/20/2023
REQUEST NUMBER NMR-0227361	APPROVED BY TRSK	DATE 12/20/2023
REQUEST NUMBER DESCRIPTION UPDATED NP FORMAT PER NMR		
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DRAWN BY BHANU	 Regal Beloit America, Inc.	
DATE 05/09/2023		
APPROVED BY NV	DESCRIPTION	
DATE 05/09/2023	CUSTOMER NAME: FASCO DISTRIBUTION CO.	
REFERENCE 71860023	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER 71870453R
		SHEET 1 OF 1

- NOTE:
- NAMEPLATE LABEL LOCATION: 90° - CENTER - READ FROM LE WITH RESPECT TO MOTOR ZERO.
 - OVERLOAD PROTECTOR : AUTOMATIC RESET (7AM 036)

Winding and Test Specification

WTS # 82870453-1										
Revision # 1					Rev. Date : May 16, 2023		First Made for : 71870453			
WTS Nameplate Data										
Horsepower	1/6-1/10-1/20		RPM	1050 (3 SPD)						
Voltage	115		Amps	2.80 1.60 0.88						
Frequency	60		Phases	1						
Capacitor	4.0 µfd		Cap Volts	370						
Test Volts : 115										

* Large wire size may be double stranded.

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Motor Details

Model : 71870453R

Catalog Number :

General:

Application : **DIST SALES**
 Phases : **1**
 # of Speeds : **3**
 Testspec : **82870453-1**
 Horiz/Vertical : **HOR**
 Shell Enclosure : **OPEN**
 Endshield Enclosure : **OPEN**

Motor Category : **COMPLETE MOTOR**
 Production Status : **PROD**
 Stock Status :
 Approved For Sale :
 Restricted Model :
 Customer : **FASCO DISTRIBUTION**
 Customer Part# : **D354A**

Nameplate Data:

Horsepower : **1/6-1/10-1/20**
 RPM : **1050 (3 SPD)**
 Voltage : **115**
 FL Amps : **2.8-1.6-0.88**
 Capacitor 1mFd/V : **4.00/370**
 Additional Information : **N/R**
 : **N/R**

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

Miscellaneous:

Fullload RPM - HI : **1080**
 Poles : **6**
 Rotation : **CW**
 Thermal Protection :
 Finish Color: **STD GRAY**

GE Frame : **42**
 Shell Length : **3.875**
 Drains : **N**
 Est. Weight : **-10**
 Capacitor By : **RBC**

OVERLOAD INFORMATION::

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

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

THERMAL CUT-OFF INFORMATION:

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

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

U.L.CONSTRUCTION FILES:

Motor Construction: **E46035(excluding SME)** Class B Insulation : **E306343(excluding SME)**
 Over Load : **E27885(excluding SME)** CSA(REY) : **MC236833(excluding SME)**

Shaft:

PE Type : **FLAT**
 PE Length : **8.25**
 PE Diameter : **0**
 PE Flat Length : **5.73**

OPE Type : **FLAT**
 OPE Length : **8.25**
 OPE Diameter : **0**
 OPE Flat Length : **5.73**

Endshields:

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

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

Bearings:

PE Bearing Type : **BALL**
 Bearing Protection : **No**

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

Mounting:

Base : **RB**
 Clamp Screw : **Yes**

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

Base:

Type : **N/R**
 Reversed : **Y**

Height : **0**
 Assembly Angle : **N/R** degrees CW from Oil boss viewed from OPE of the motor.

Extended Clamp Screws:

PE Pattern :
 PE Length : **0.18**
 PE Nut Qty : **1**
 Head End : **OPE**
 Nut Thickness : **.12**

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

Lead & Cord :

Lead End : **OPE**
 Lead Exit H/W : **CONDUIT CONN**
 Lead Exit H/W Orient. : **STD**
 :

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

Conductor ID : **COMM-FIXED LINE**
 Exit : **9:00 - CONDUIT CONN**
 Color : **WHITE**
 Termination : **.50 BWS**
 Conductor ID : **CAPACITOR**
 Exit : **11:00 - SHELL NOTCH**

Length : **31.00**
 Mat'l Spec : **18 2/64 THERMOPLAST**
 Slot ID : **N/A**
 Length : **4.00**

Color :	BROWN	Mat'l Spec :	18 2/64 THERMOPLAST
Termination :	.25 FQC	Slot ID :	N/A
Conductor ID :	CAPACITOR		
Exit :	11:00 - SHELL NOTCH	Length :	4.00
Color :	B/W	Mat'l Spec :	18 2/64 THERMOPLAST
Termination :	.25 FQC	Slot ID :	N/A
Conductor ID :	HI		
Exit :	9:00 - CONDUIT CONN	Length :	31.00
Color :	BLACK	Mat'l Spec :	18 2/64 THERMOPLAST
Termination :	.50 BWS	Slot ID :	N/A
Conductor ID :	MED		
Exit :	9:00 - CONDUIT CONN	Length :	31.00
Color :	BLUE	Mat'l Spec :	18 2/64 THERMOPLAST
Termination :	.50 BWS	Slot ID :	N/A

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

Grounding :

Type :	LEAD	Location :	6:00 viewed from OPE with Oil boss at 12:00
Exit Type :	CLAMPSCREW	AWG Size :	18
Length :	7.00	Color :	GRN-YEL
Terminal :	#10 SERRATED EYELET	Ins.Material & Thickness	2/64 THRMOPLAST

Diagrams and Dimensions :

Outline Drawing :	71870453R	C-Dimension :	20.82
Connection Diagram :	24B200217 Fig# 2	Connection Label :	NP24X350200

Notes :

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