AVA HVAC PRODUCTS LLC

Flakt Aerovent AXICO® Fan • Parts Request for Quotation

ORDER FORM

500 Westover Drive #13454
Sanford, NC 27330
Phone: 781-389-5425
bmackay@avahvacproducts.com
avahvacproducts.com

PARTS REQUEST — FLAKT AEROVENT AXICO® VANEAXIAL FAN

Complete this page, mark quantities on the drawing pages that follow, and return all pages to AVA HVAC Products.

FAN INFORMATION (from the fan nameplate)

Fan Brand (e.g. Aerovent): _____ **Model No.:** _____

Serial No.: _____ **Fan Size (cm, e.g. 125):** _____

Unit / Tag No. (e.g. AHU #): _____ **Hub Size (050 / 063 / 080):** _____

Motor HP: _____ **Operating Speed (RPM):** _____

Motor Frame: _____ **Blade Pitch / Angle (nameplate):** _____

AXICO Type: ☐ FPAC (pneumatic variable pitch) ☐ FPMC (mechanical variable pitch) ☐ FPDA (adjustable pitch)

APPLICATION & REQUEST DETAILS (required for factory quotation)

Installation type: ☐ Commercial Building ☐ Other: _____

Priority: ☐ Standard – Stock ☐ Planned Outage ☐ Current Outage ☐ Unplanned – Breakdown

FPMC pitch control (if FPMC): ☐ Electric operator ☐ Handwheel / jack ☐ Quadrant (fixed)

Full Rotor Request:

☐ Full FPDA Adjustable-Pitch Rotor for VFD ☐ Full FPAC / FPMC Variable-Pitch Rotor

Note: FPAC / FPMC variable-pitch rotors include the in-flight pitch-changing mechanism.

Fan operated on a VFD (Variable Frequency Drive)? ☐ Yes ☐ No ☐ Unknown

END USER / INSTALLATION SITE — address where the fan is PHYSICALLY located

Building Name: _____

Company: _____

Street Address: _____

City: _____ **State:** _____ **Zip:** _____

Contact Name: _____ **Phone:** _____

REQUESTED BY

Name: _____ **Company:** _____

Email: _____ **Phone:** _____

Date: _____ **Date Parts Needed:** _____

IMPORTANT — BEFORE YOU SEND THIS FORM

✓ **ATTACH A CLEAR PHOTO OF THE FAN NAMEPLATE (PDF or JPEG). Required to match your fan.**

✓ **VERIFY THE END USER ADDRESS ABOVE IS WHERE THE FAN IS PHYSICALLY INSTALLED —** not a billing or office address. We use this location to match the fan against our records.

Return this form + nameplate photo to: bmackay@avahvacproducts.com • 781-389-5425

AVA HVAC PRODUCTS LLC

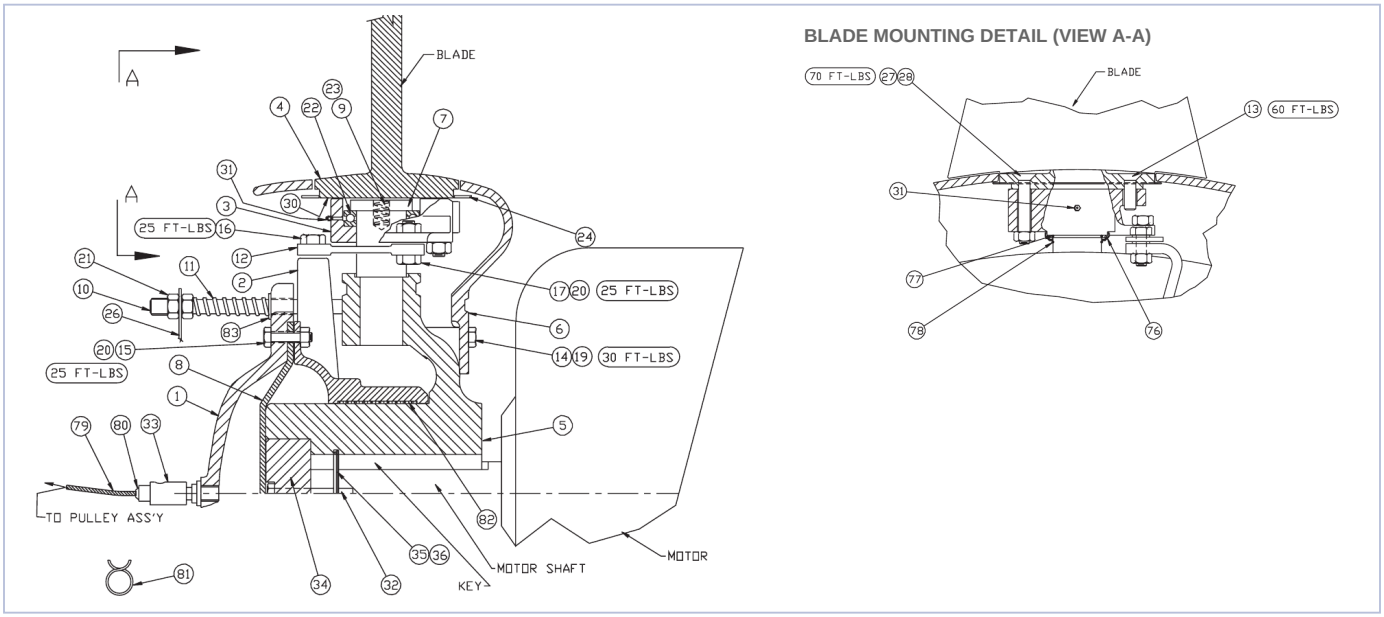
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DRAWING 101236

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DWG. 101236 — AXICO® FPAC IMPELLER PARTS (PNEUMATIC VARIABLE PITCH)

Fan model + serial number required to match parts. Write the quantity needed in the QTY box. ‡ = part number depends on hub size (see table).



ITEM	DESCRIPTION	PART NO.	QTY
1	Diaphragm Cover	‡ by hub size	
2	Spider w/ Teflon Insert	‡ by hub size	
3	Blade Bearing Housing	F30147701	
4	Blade	‡ by fan size	
5	Hub	‡ by hub size	
6	Hub Fairing	‡ by hub size	
7	Shaft, Blade	‡ by hub size	
8	Diaphragm, FPAC	‡ by hub size	
9	Plunger	F200355	
10	Stud	‡ by hub size	
11	Spring, FPAC	F10049802	
12	Link, Gold (fan sizes thru 112)	F200949	
12	Link, Silver (fan size 125+)	F200357	
13	Soc Hd C'sk Screw	F10022201	
14	Hex Hd Screw	F10022203	
15	Hex Hd Screw	F10022240	
16	Hex Hd Screw (link – do not reuse)	F10022239	
17	Hex Hd Screw (link – do not reuse)	F10022240	
19	Lock Washer	F10022213	
20	Hex Nut	F10022209	
21	Hex Nut	F10022210	

ITEM	DESCRIPTION	PART NO.	QTY
22	Bearing, Blade	F100201	
23	Spring, Blade	F10020001	
24	Air Seal	F200350	
26	Plate	‡ by hub size	
27	Soc Hd C'sk Screw	F10022216	
28	Nut	F10022210	
30	Gasket	F200802	
31	Grease Fitting	F10052303	
32	Rotor Bolt	F100334	
33	Rotary Union	F10016701	
34	Washer, Hub	‡ by hub size	
35	Snap Ring	F100321	
36	Thrust Washer	F200393	
76	Grease Seal	F100812	
77	Wire Ring	F100813	
78	O-Ring	F10089801	
79	Cable Assembly	F20034902	
80	Pan Head Screw	F10054301	
81	Hose Clamp	F10051901	
82	Teflon Sleeve	‡ by hub size	
83	Oilite Bushing	F101058	

Items 1, 2, 8, 33, 79 are FPAC only. All other rotor items are common to FPAC and FPMC rotors. Hub-size part numbers are on the last page.

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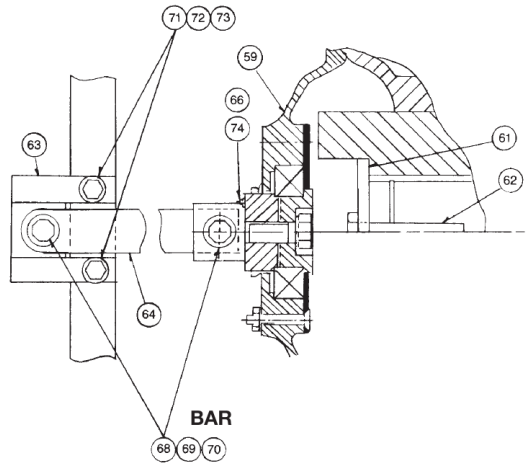
FPMC IMPELLER MODIFICATIONS

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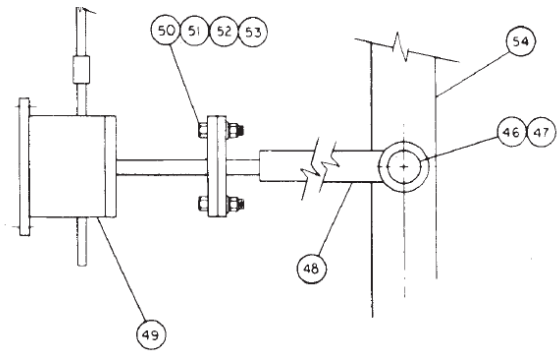
FPMC — AXICO® FPMC IMPELLER MODIFICATIONS (MECHANICAL VARIABLE PITCH)

FPMC rotors use the common rotor parts on the FPAC page (except items 1, 2, 8, 33, 79) plus the parts below.

FPMC WITH BAR



JACTUATOR FPMC



FPMC WITH BAR

ITEM	DESCRIPTION	PART NO.	QTY
59	Hub Cover, 5 or 6 Hub	F301407	
59	Hub Cover, 8 Hub	F301408	
61	Washer	—	
62	Bolt	—	
63	Bearing Holder	—	
64	Actuator Link	—	
66	Grease	—	
68	Bolt	—	
69	Nut	—	
70	Washer	—	
71	Bolt	—	
72	Nut	—	
73	Washer	—	
74	Fitting, Grease	—	

JACTUATOR / OPERATOR

ITEM	DESCRIPTION	PART NO.	QTY
46	Pin	F1004306	
47	Cotter Pin	—	
48	Clevis	F10031508	
49	Jactuator	F100653	
50	Bolt 1/4-20 x 1.25	F10032310	
51	Nut 1/4-20	F10032403	
52	Washer 1/2	F10044603	
53	Lockwasher 1/4	F10044703	
54	Bar	F201092	
—	Thrust Bearing (hub cover)	—	
—	Electric Actuator, 4-20 mA input	F10103502	
—	Electric Actuator, 120 VAC	F100165	

— = part number not listed in the manual; the factory assigns it from the fan serial number.

NOTES / OTHER PARTS

AVA HVAC PRODUCTS LLC

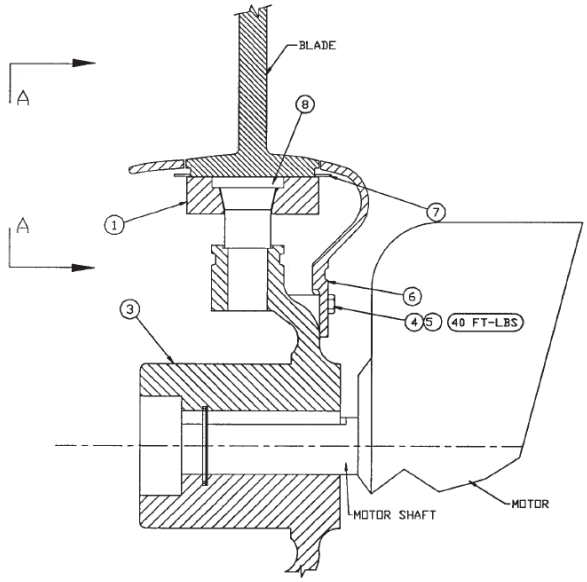
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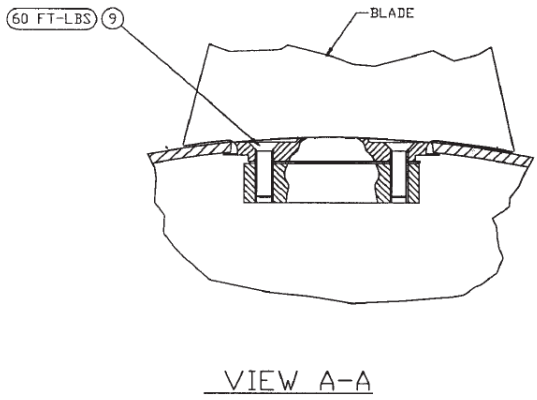
FPDA IMPELLER PARTS

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FPDA — AXICO® FPDA IMPELLER PARTS (ADJUSTABLE PITCH)

Blade pitch is set with the fan stopped. Record the current blade angle from the hub fairing marks if possible.





ITEM	DESCRIPTION	PART NO.	QTY
1	Blade Retainer	F201328	
2	Blade	‡ by fan size	
3	Hub	‡ by hub size	
4	Hex Head Screw	—	
5	Lock Washer	—	
6	Fairing	‡ by hub size	
7	Air Seal	F200350	
8	Blade Shaft, 050 or 080 Hub	F20132701	
8	Blade Shaft, 063 Hub	F20132702	
9	Blade Bolt	F10022241	

CURRENT BLADE ANGLE

Hub fairing marks run from 60° (inlet side) to 25°, in 5° steps, read at the center of the blade leading edge.

Blade angle: _____ deg

No. of blades: _____

8 blades on 050/063 hubs,
10 blades on 080 hubs.

NOTES / OTHER PARTS

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NAMEPLATE REFERENCE & SPARES

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REF — NAMEPLATE • HUB-SIZE PART NOS. • SPARES

Use this page to fill in the Fan Information on page 1 and to identify ‡ parts.

NEW MODEL NUMBER DESIGNATION
AXICO® FANS

F _ _ _ - _ _ - _ _ _ - _ _ - _ _ - _ _ _ _ - _ _ _

AXICO® = PAC
= PMC
= PDA

ARR. 4 TYPE 2 =
2 = HORIZONTAL FLOOR LEG
4 = HORIZONTAL CEILING CLIP
6 = VERTICAL CLIP

ARR. 4 TYPE 3
3 = FLOOR MOUNT

FAN SIZE (cm) =
080
090
100
112
125
140
160
180
200

HUB SIZE =
5 = 50.0 cm Dia.
6 = 63.0 cm Dia.
8 = 80.0 cm Dia.

BLADE COUNT =
8 = IF 5 OR 6 HUB
10 = IF 8 HUB

MOTOR RPM =

MOTOR HP =

NOTES:

1. Motor frame size must be specified in the body of the order and will no longer be indicated within the model number.
2. Blade pitch must be indicated in the body of the order.

‡ PART NUMBERS BY HUB SIZE

ITEM	050 HUB	063 HUB	080 HUB
1 Diaphragm Cover	F300606	F300606	F301121
2 Spider w/ Teflon	F301457	F301458	F301120
5 Hub	F400811	F400811	F400806
6 Hub Fairing	F300609	F300603	F401335
7 Shaft, Blade	F20132901	F20132902	F20132901
8 Diaphragm	F200354	F200354	F200387
10 Stud	F20035601	F20035601	F20035605
26 Plate	F300630	F300630	F201018
34 Washer, Hub	F20038501	F20038501	F20038502
82 Teflon Sleeve	F201463	F201463	F201486

‡ BLADE BY FAN SIZE

Die cast, fan sizes 080 thru 140: F101062
Sandcast, fan sizes 160, 180 & 200: F100461

RECOMMENDED SPARES

ITEM	DESCRIPTION	PART NO.	QTY
—	Positioner (Pilot Ass'y) – FPAC	F10046301	
33	Rotary Union – FPAC	F10016701	
79	Cable Assembly – FPAC	F20034902	
—	Electric Actuator 4-20 mA – FPMC	F10103502	
—	Electric Actuator 120 VAC – FPMC	F100165	
—	Tool, 8 mm hex x 3/8 sq. adaptor	F10024701	

TO ORDER SPARE PARTS, AVA NEEDS:

1. Fan model number and fan serial number (both on the nameplate — send a photo)
2. AXICO type (FPAC / FPMC / FPDA), fan size and hub size
3. Part description, item number and part number from the drawing pages
4. Quantity required
5. Motor frame size and blade pitch (these are not part of the model number)