

FLUID POWER PNEUMATICS VANE AIR MOTORS OVERVIEW

VANE AIR MOTORS

Our lubricated vane air motors come in seven basic models up to 9.5hp (7kW) with variable motor speeds from 300 – 10 000rpm.

Oilless versions, which require absolutely no lubrication, come in three basic models ranging from 0.18 to 2.5hp (0.13 – 1.86kW) with motor speeds up to 2000rpm.

We offer hub, foot, face and flange mountings and single or bi-directional rotation.

We also offer 4-vane & 8-vane models.

PERFORMANCE OVERVIEW

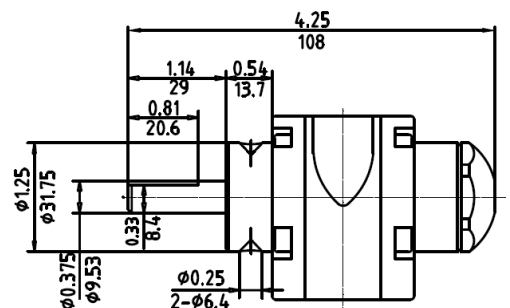
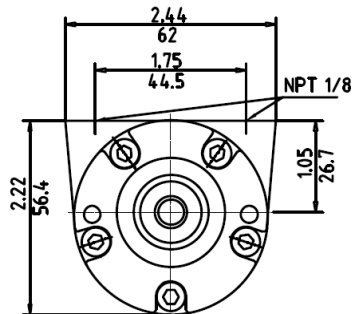
Fluid Power Vane Air Motors

MODEL	OPERATION DATA							MAXIMUM TORQUE		
	Max Output Power		Torque at max output		Max Speed	Max Air Consumption		Max Speed	Max Torque	
	hp	kw	Nm	lb.in	rpm	m3/h	cfm	rpm	Nm	lb.in
FPP1AM	0.45	0.33	0.31	2.75	10000	35.10	20.50	650.00	0.65	5.60
FPP1UP	0.45	0.33	0.58	5.25	6000	47.00	27.00	500.00	0.68	6.00
FPP2AM	0.93	0.68	2.20	19.50	3000	49.50	30.00	350.00	3.05	26.10
FPP4AM	1.70	1.30	4.10	36.00	3000	132.50	78.00	300.00	6.30	56.00
FPP6AM	4.00	3.00	10.00	84.00	3000	228.00	128.00	300.00	13.00	115.00
FPP8AM	5.25	3.90	14.40	132.00	2500	293.00	175.00	300.00	21.00	185.00
FPP16AM	9.50	7.00	34.00	290.00	2000	475.00	275.00	300.00	43.00	372.00

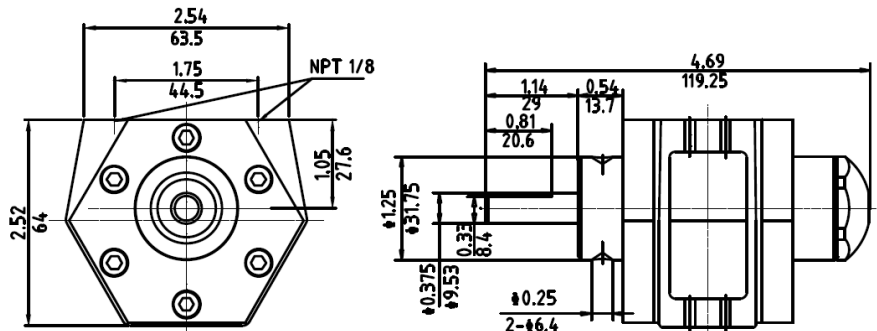
LUBRICATED AIR MOTORS

4 - VANE LUBRICATED AIR MOTORS								
HP	Max Torque @ 5 Bar	Max Air Flow Usage	Max RPM	Shaft Diameter	Mounting	Port Size	Rotation	4 - Vane Part Number
0.45	0.3 Nm	20.5 cfm	10,000	3/8"	Hub	1/8"	REV	FPP1AMNRV
	0.59 Nm	27 cfm	6000	3/8"	Hub	1/8"	CW	FPP1UPNCW
	0.59 Nm	27 cfm	6000	3/8"	Hub	1/8"	REV	FPP1UPNRV
0.93	2.2 Nm	30 cfm	3000	1/2"	Hub	1/4"	CCW	FPP2AMV
	2.2 Nm	30 cfm	3000	5/8"	Nema 56C Flange	1/4"	REV	FPP2AMF114.3
	2.2 Nm	30 cfm	3000	14mm	P71 IEC Flange	1/4"	REV	FPP2AMF110
	2.2 Nm	30 cfm	3000	1/2"	Foot	1/4"	REV	FPP2AMH
1.7	4 Nm	78 cfm	3000	5/8"	Nema 56C Flange	1/4"	REV	FPP4AMF114.3
	4 Nm	78 cfm	3000	1/2"	Foot	1/4"	REV	FPP4AMH
	4 Nm	78 cfm	3000	1/2"	Hub / Face	1/4"	REV	FPP4AMV
	4 Nm	78 cfm	3000	14mm	P71 IEC Flange	1/4"	REV	FPP4AMF110
4	9.5 Nm	128 cfm	3000	5/8"	Foot	1/2"	REV	FPP6AMH
	9.5 Nm	128 cfm	3000	5/8"	Nema 56C Flange	1/2"	REV	FPP6AMF114.3
	9.5 Nm	128 cfm	3000	5/8"	Face	1/2"	REV	FPP6AMV
	9.5 Nm	128 cfm	3000	19mm	P80 IEC Flange	1/2"	REV	FPP6AMF130
5.25	14.9 Nm	175 cfm	2500	3/4"	Foot	1/2"	REV	FPP8AMH
	14.9 Nm	175 cfm	2500	7/8"	Nema 145TC Flange	1/2"	REV	FPP8AMF114.3
	14.9 Nm	175 cfm	2500	3/4"	Face	1/2"	REV	FPP8AMV
	14.9 Nm	175 cfm	2500	24mm	P90 IEC Flange	1/2"	REV	FPP8AMF130
9.5	32.8 Nm	275 cfm	2000	1 1/8"	Face / Foot	1 1/4"	REV	FPP16AM2
	32.8 Nm	275 cfm	2000	7/8"	Foot / Flange	1 1/4"	REV	FPP16AM13

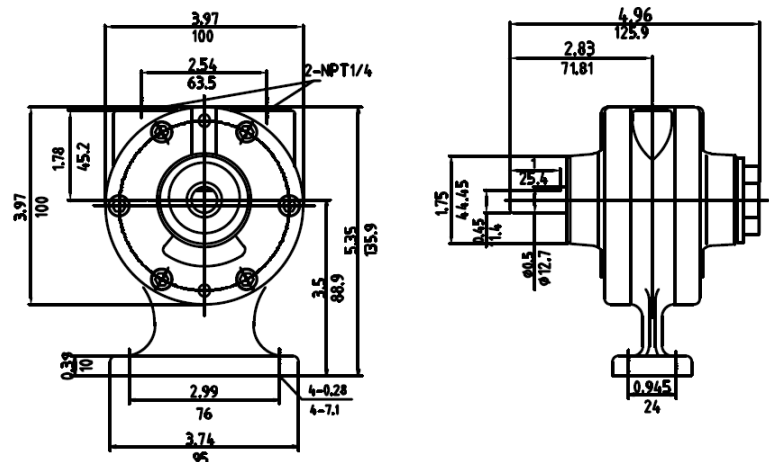
FPP1AMNRV/NCW



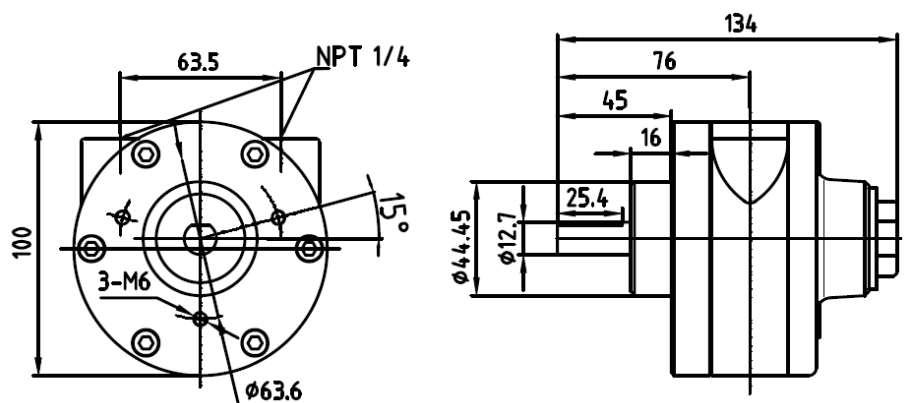
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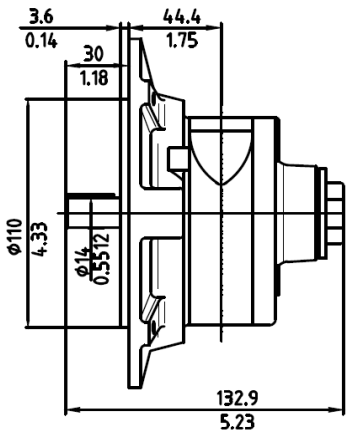
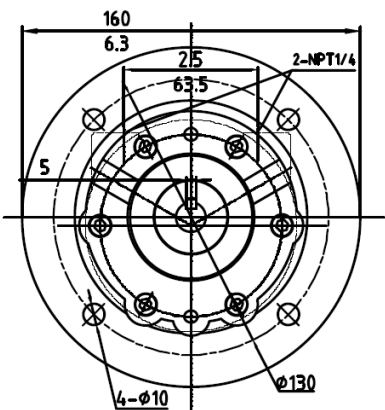
FPP2AMH



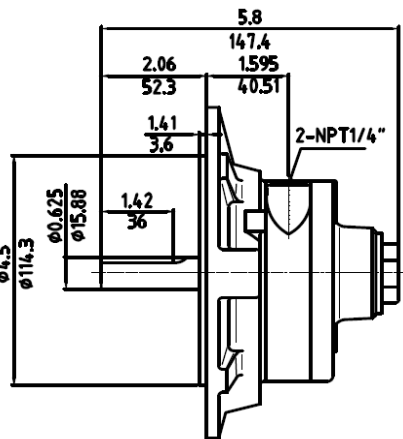
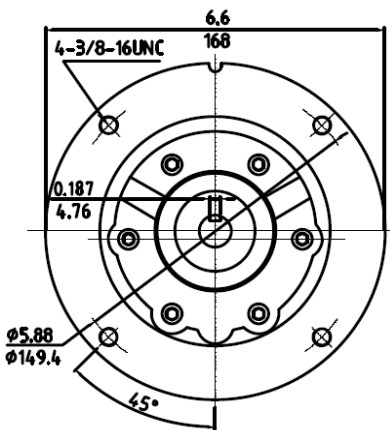
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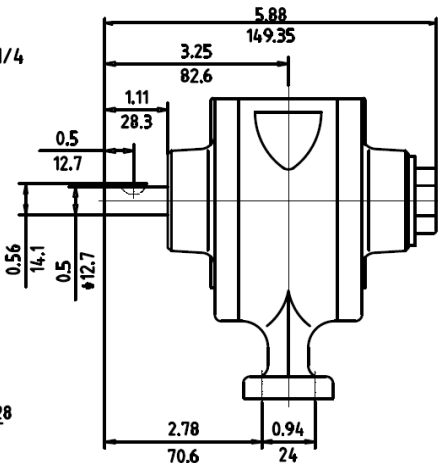
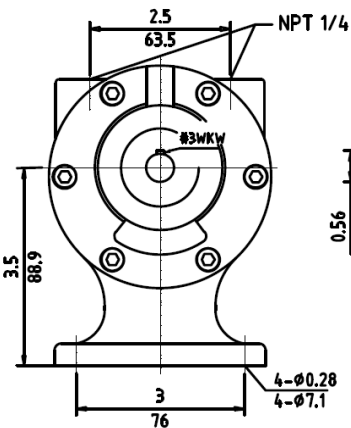
FPP2AMF110



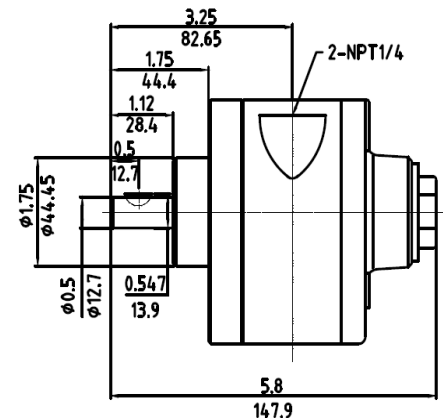
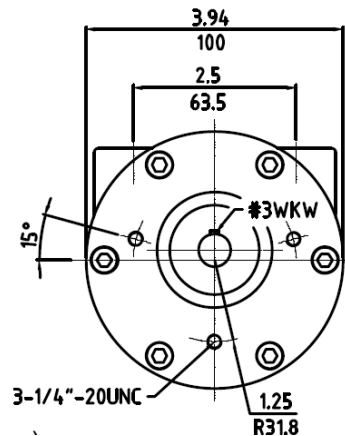
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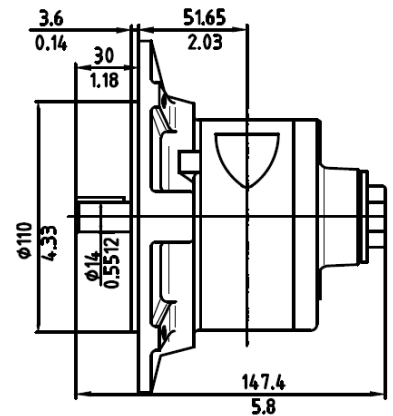
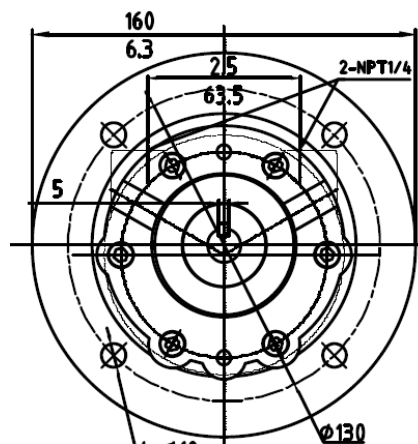
FPP4AMH



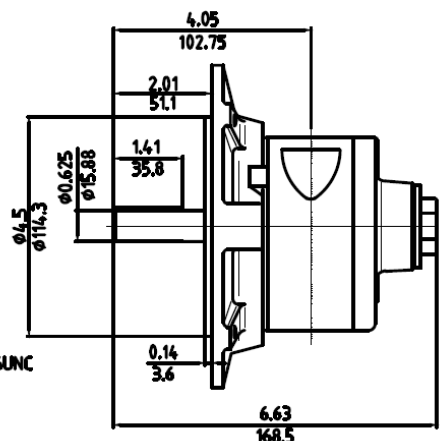
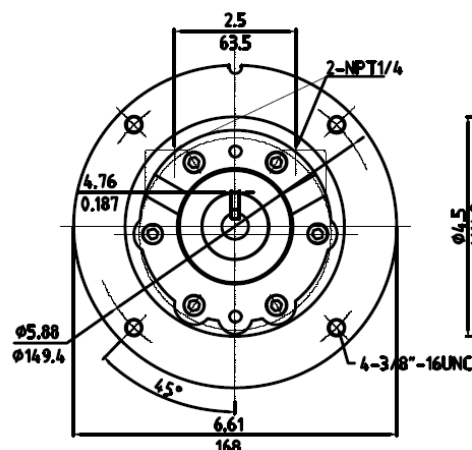
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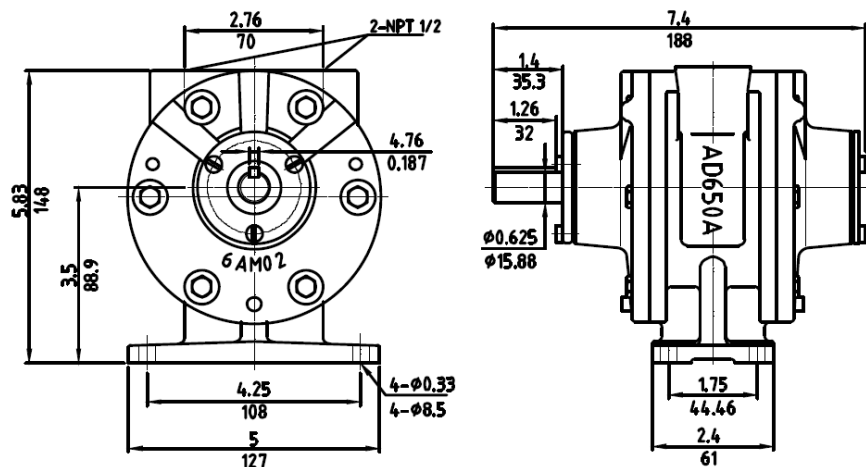
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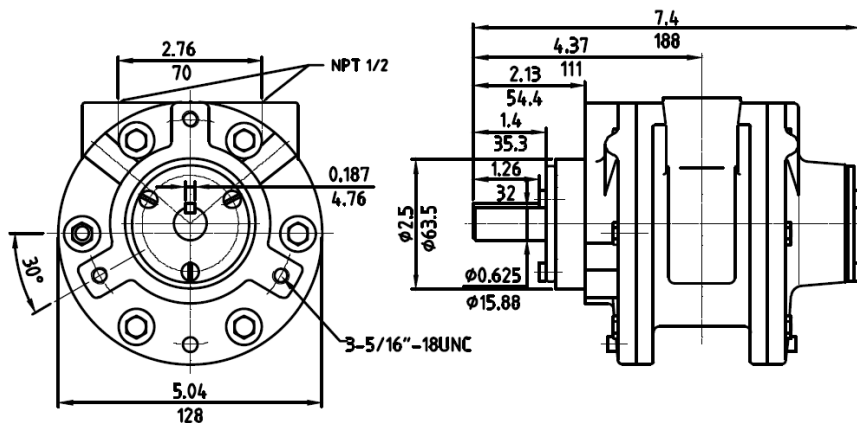
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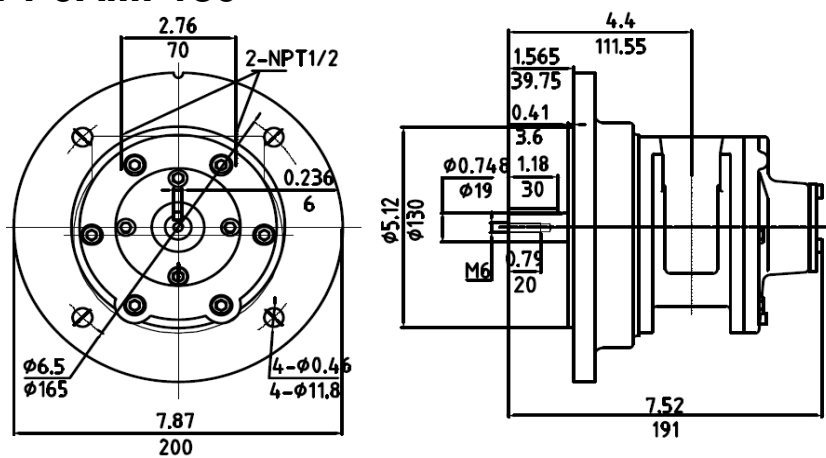
FPP6AMH



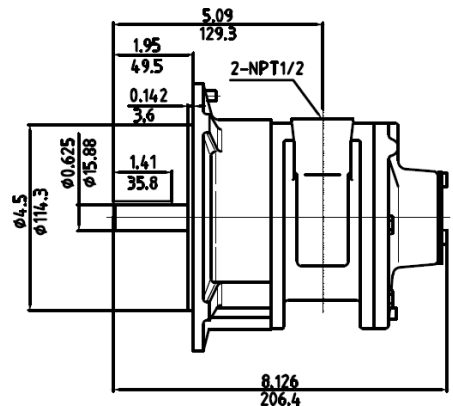
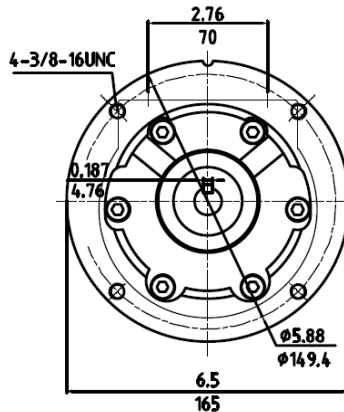
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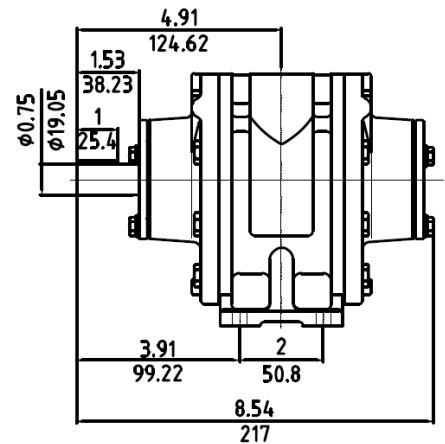
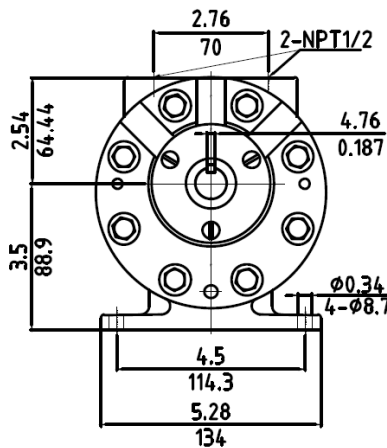
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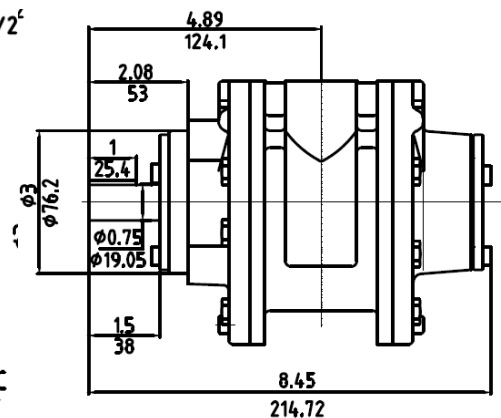
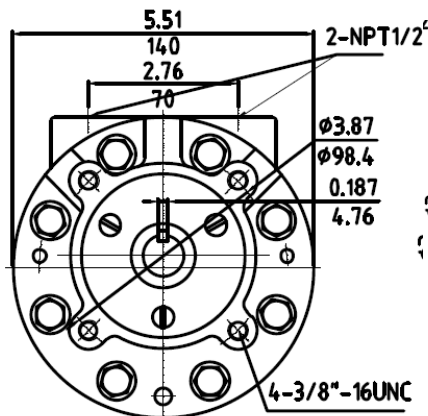
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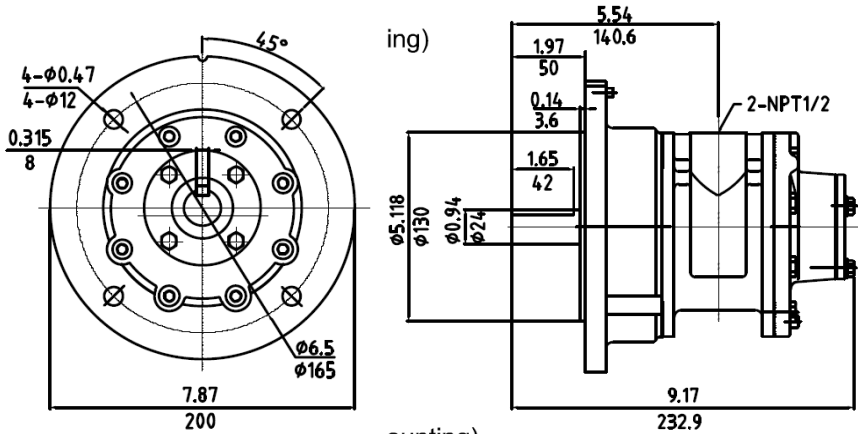
FPP8AMH



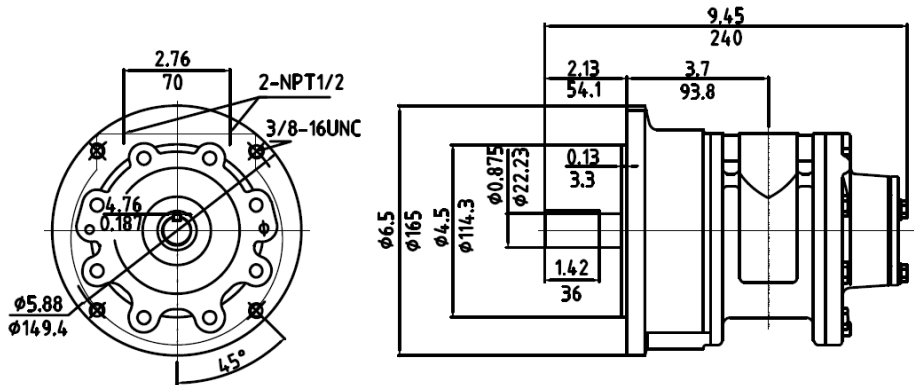
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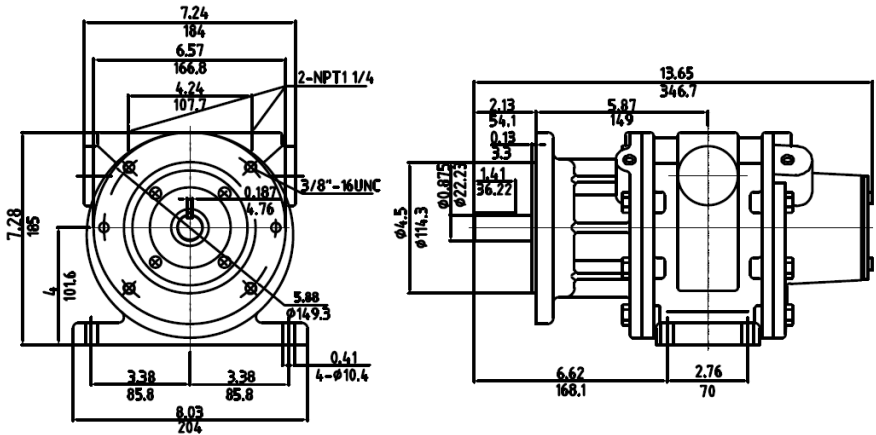
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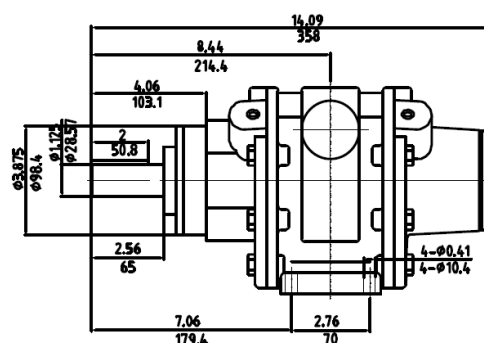
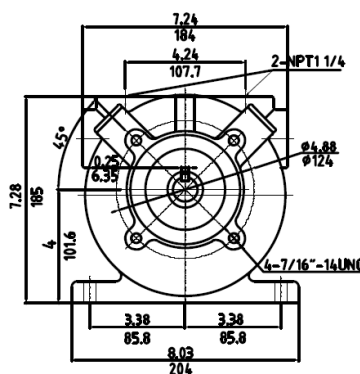
FPP8AMF114.3



FPP16AM13



FPP16AM2



FLUID POWER PNEUMATICS ALSO PROWDLY DISTRIBUTES XCPC SOUTH AFRICA PRODUCTS



- PU & Nylon Tubing.
- Nickle Plated & Plastic push-in fittings.
- Electro-pneumatic & pneumatic valves.
- Hydraulic Shock Absorbers.
- 1/4" – 1 1/2" In-line Poppet Valves.
- Air Service Units (FRL's)
- Pneumatic Cylinders (metric & imperial)

FEEL FREE TO CONTACT US FOR A QUOTATION