

Vane Air Motors

Known industry wide for their rugged construction and reliability, Hongxin air motors and air powered gearmotors are used in a variety of applications.

Lubricated air motors come in seven basic models up to 9.5hp (7kw); motor speeds are variable from 300 to 10,000rpm.

Oilless versions, which require absolutely no lubrication, come in three basic models ranging from 0.18 to 2.5hp (0.13 to 1.86kw) and with motor speeds up to 2,000rpm.

Choose from hub, foot, face, flange interface mountings and clockwise, counterclockwise or reversible rotations.

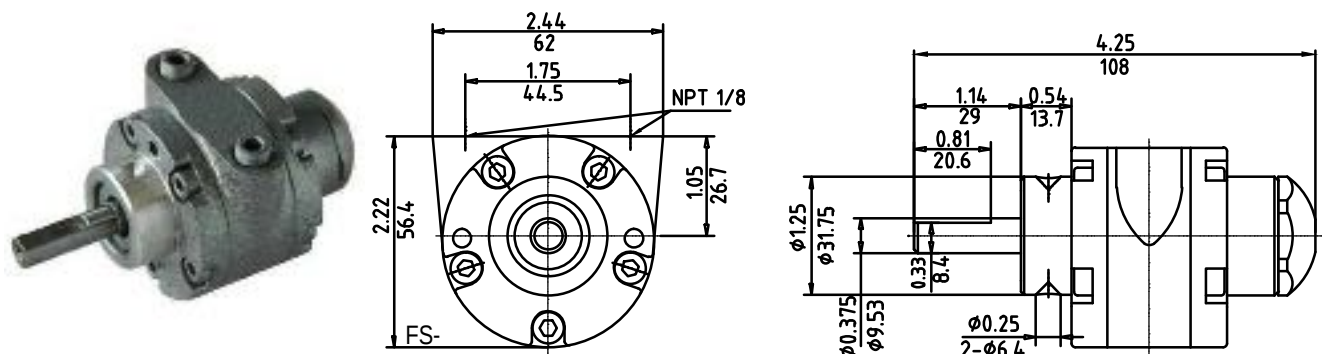
Four and eight vane models are also available.

Performance Overview

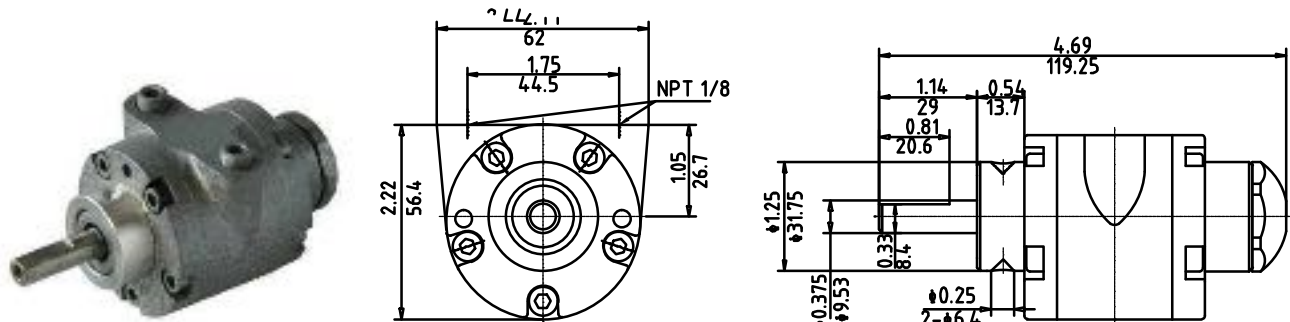
VANE AIR MOTOR										
Model	Operation Data							Maximum Torque		
	Max output power		Torque at max output		Max Speed	Max Air Consumption		Max Speed	Max Torque	
	hp	kw	Nm	lb.in.	rpm	m ³ /h	cfm	rpm	Nm	lb.in.
FS- 1AM	0.45	0.33	0.31	2.75	10000	35.1	20.5	650	0.65	5.60
FS- 1UP	0.45	0.33	0.58	5.25	6000	47	27	500	0.68	6.00
FS- 2AM	0.93	0.68	2.20	19.50	3000	49.5	30	350	3.05	26.10
FS- 4AM	1.70	1.30	4.10	36.00	3000	132.5	78	300	6.3	56.00
FS- 6AM	4.00	3.00	10.00	84.00	3000	228	128	300	13	115.00
FS- 8AM	5.25	3.90	14.40	132.00	2500	293	175	300	21	185.00
FS- 16AM	9.50	7.00	34.00	290.00	2000	475	275	300	43	372.00

1AM AIR MOTOR

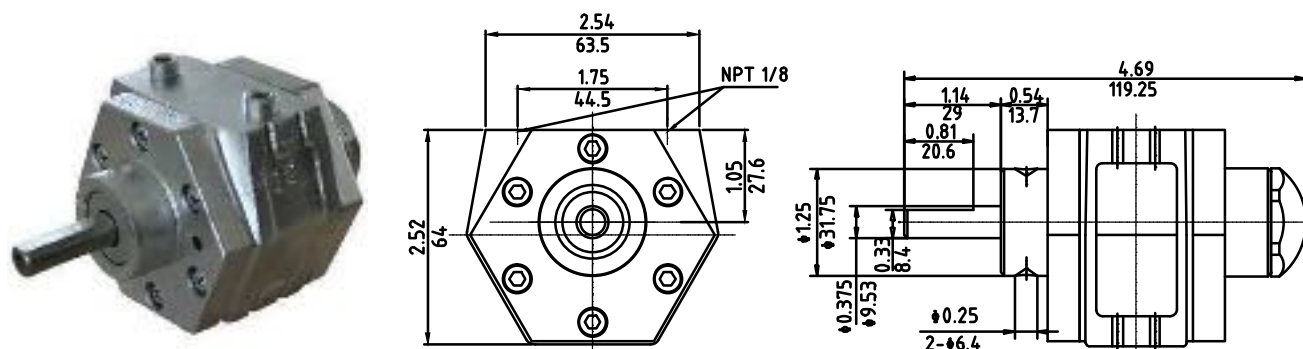
FS- 1AM-NRV (Hub mounting) (Reversible)



FS- 1UP-NCW (Hub mounting) (CW Rotation)

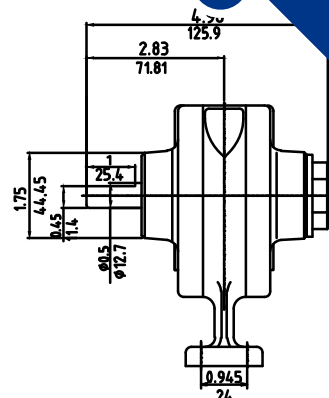
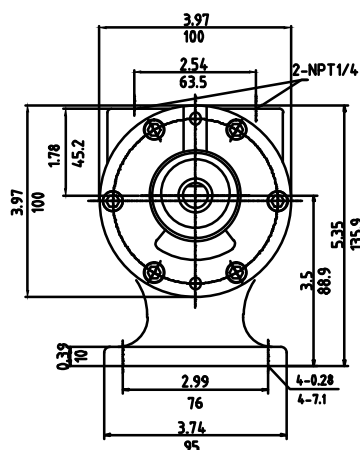


FS- 1UP-NRV (Hub mounting) (Reversible)

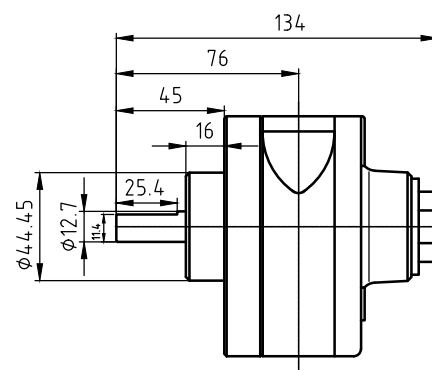
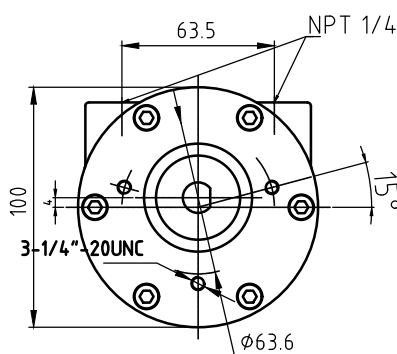


2AM AIR MOTOR

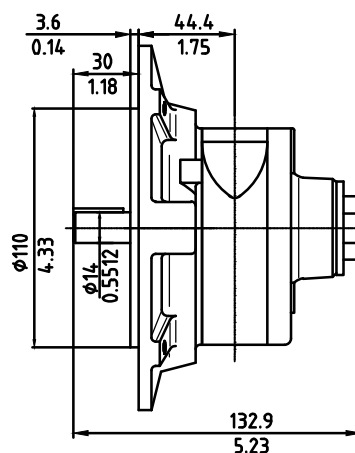
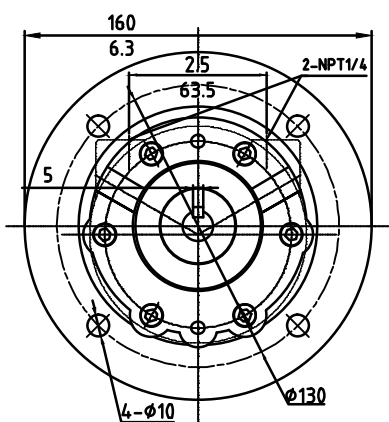
FS-2AM-H (Foot mounting)



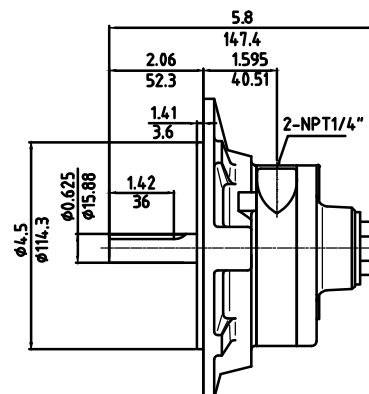
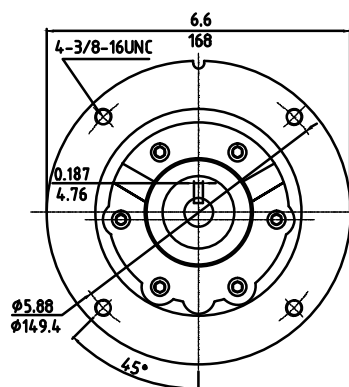
FS-2AM-V (Hub & Face mounting)



FS- 2AM-F110 (IEC flange mounting)

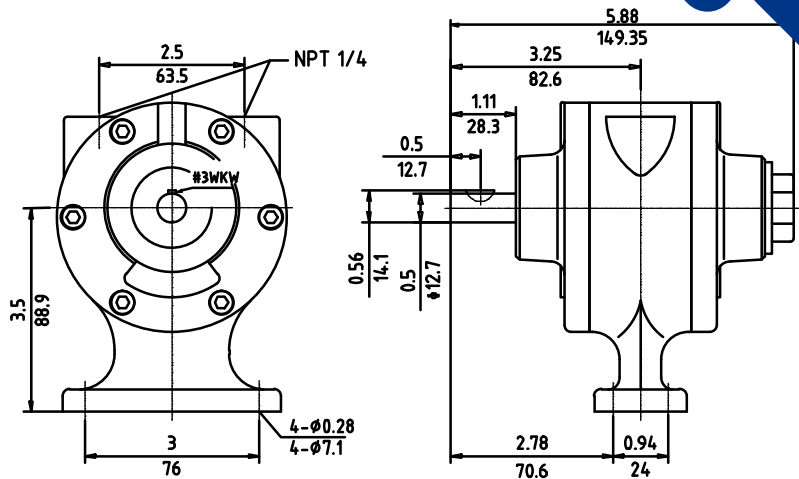


FS-2AM-F114.3 (NEMA flange mounting)

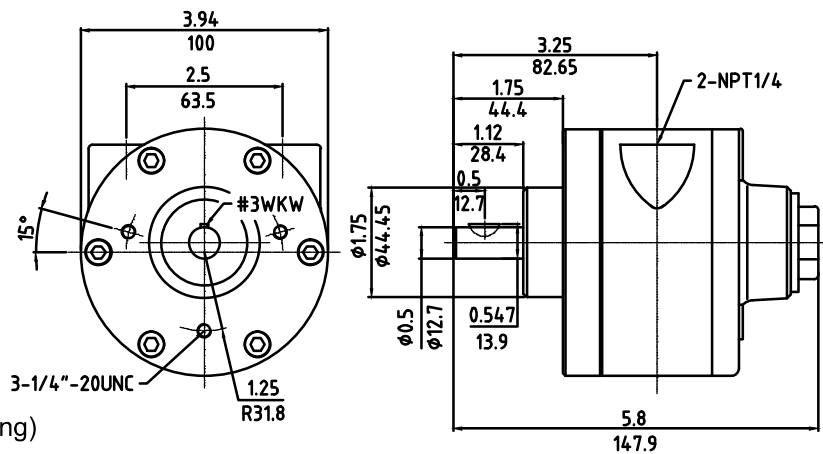


4AM AIR MOTOR

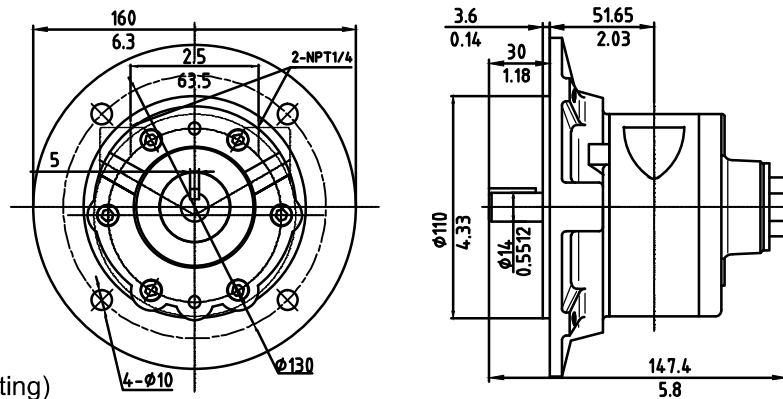
FS-4AM-H (Foot mounting)



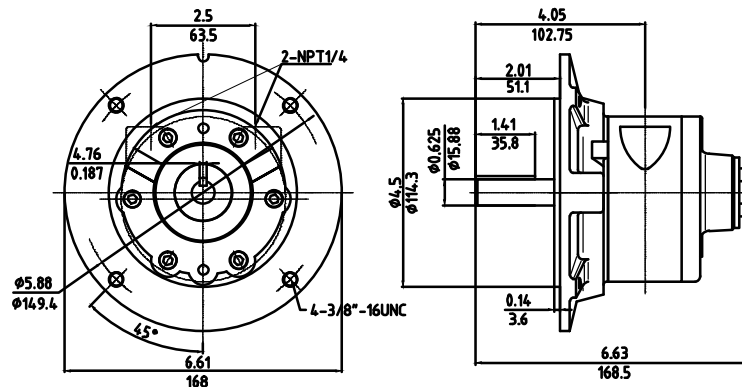
FS-4AM-V (Face mounting)



FS-4AM-F110 (IEC flange mounting)

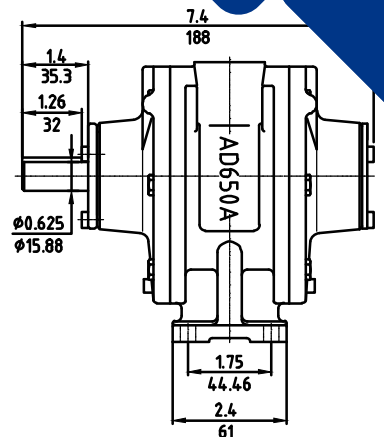
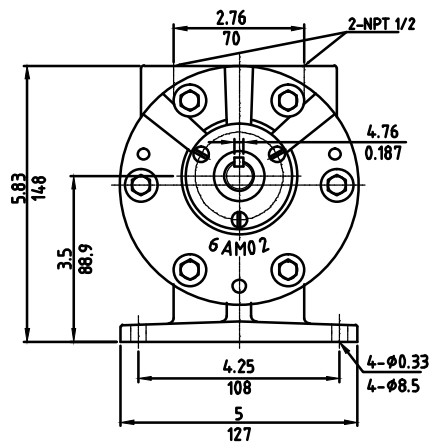


FS-4AM-F114.3 (NEMA flange mounting)

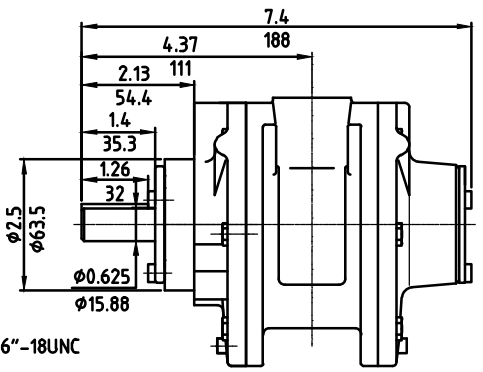
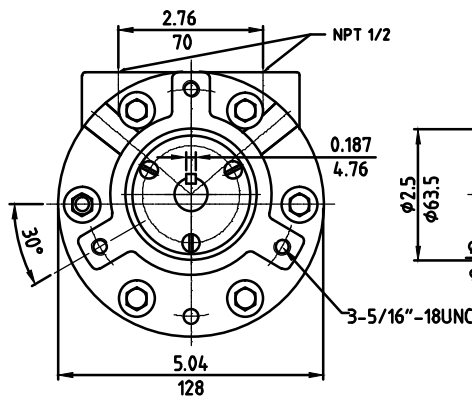


6AM AIR MOTOR

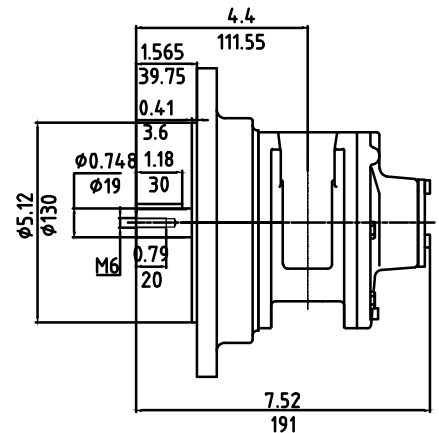
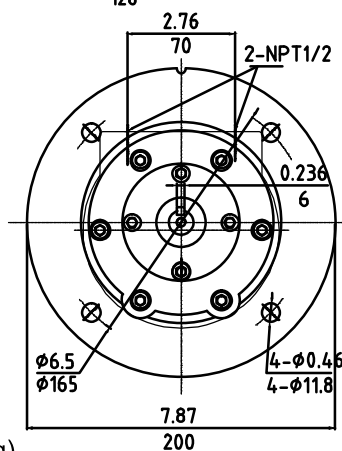
FS-6AM-H (Foot mounting)



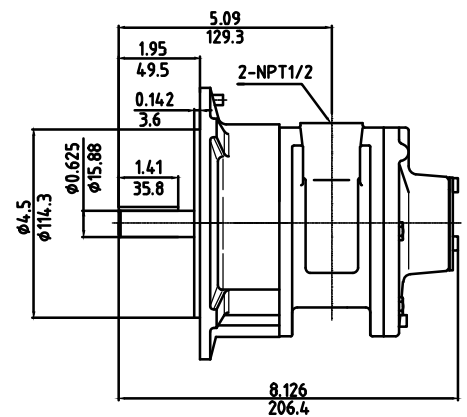
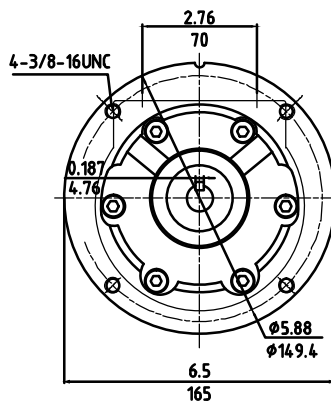
FS-6AM-V (Face mounting)



FS-6AM-F130 (IEC flange mounting)

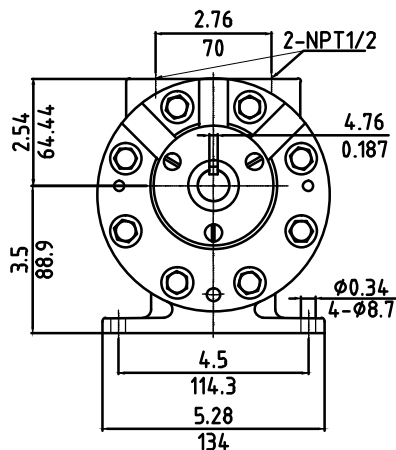


FS-6AM-F114.3 (NEMA flange mounting)

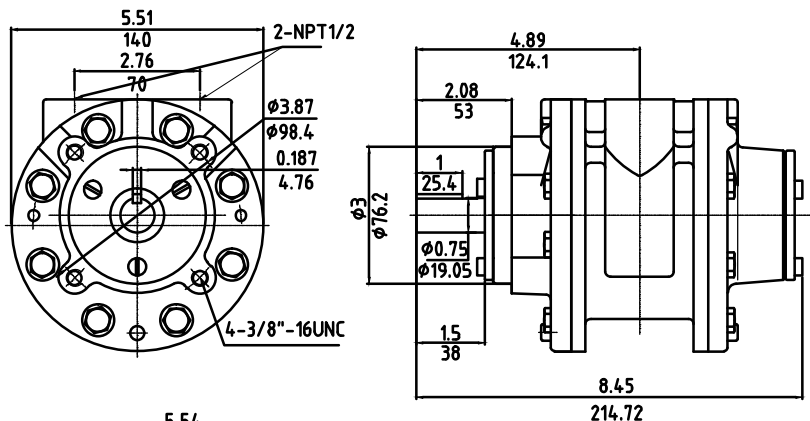


8AM AIR MOTOR

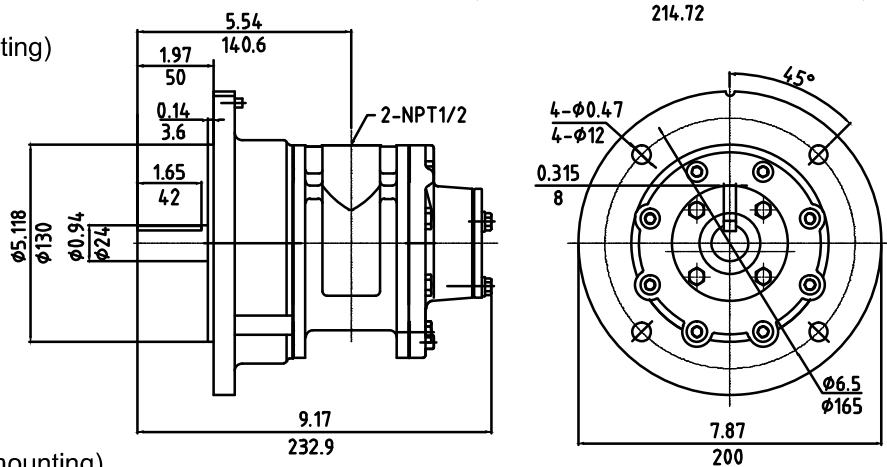
FS-8AM-H (Foot mounting)



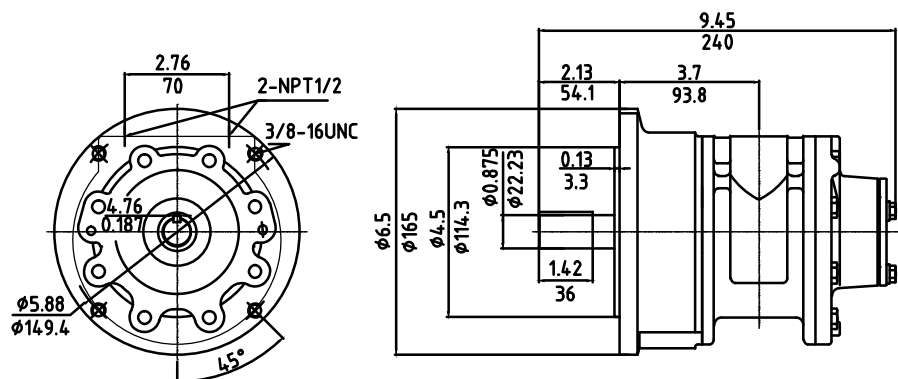
FS-8AM-V (Face mounting)



FS-8AM-F130 (IEC flange mounting)

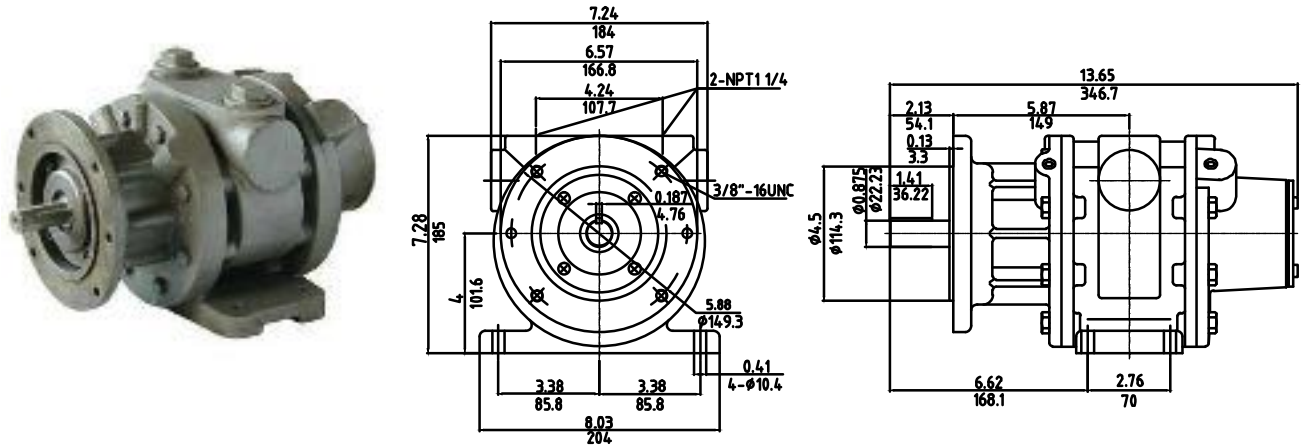


FS-8AM-F114.3 (NEMA flange mounting)

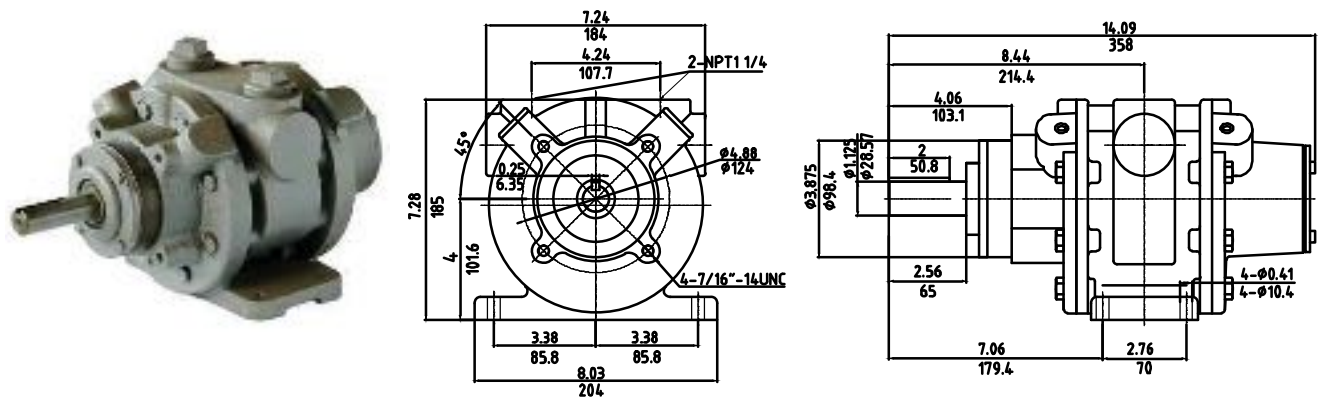


16AM AIR MOTOR

FS-16AM-FRV-13 (Foot & NEMA flange mounting)



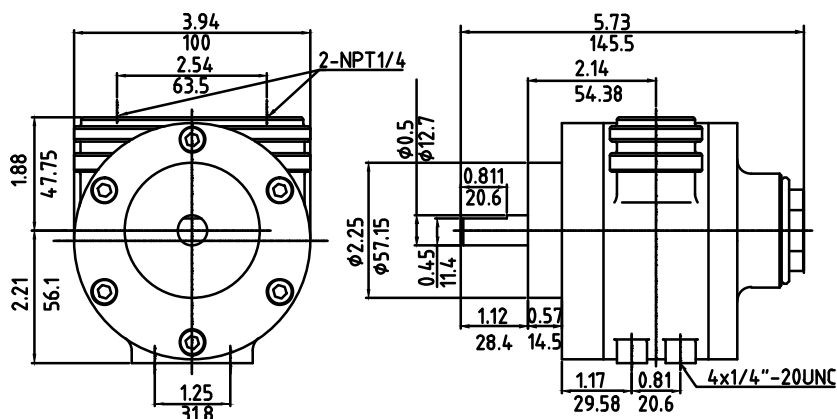
FS-16AM-FRV-2 (Foot & Face mounting)



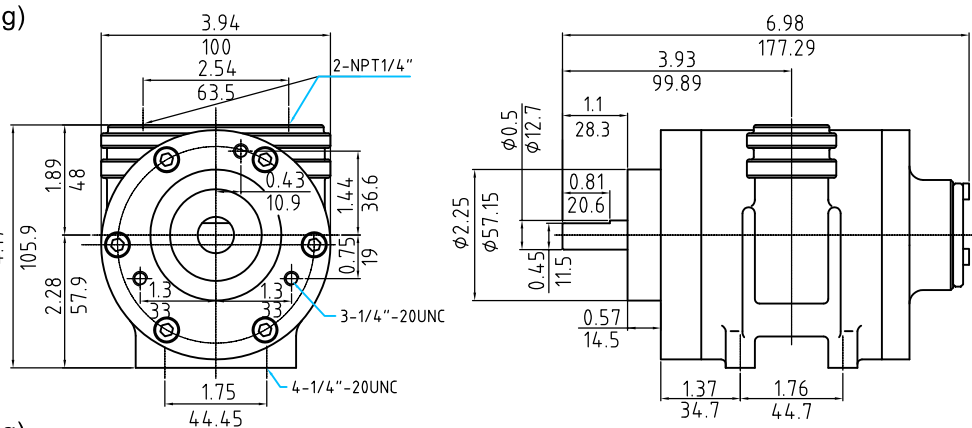
OILLESS VANE AIR MOTOR

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	m ³ /h	cfm	rpm	Nm	lb.in.
FS-NL32	0.42	0.31	1.5	13.5	2000	51	30	300	2.5	21
FS-NL42	0.82	0.61	2.9	25.5	2000	70	41	500	5.0	44
FS-NL52	2.5	1.86	8.9	78.75	2000	115	68	500	11.3	100

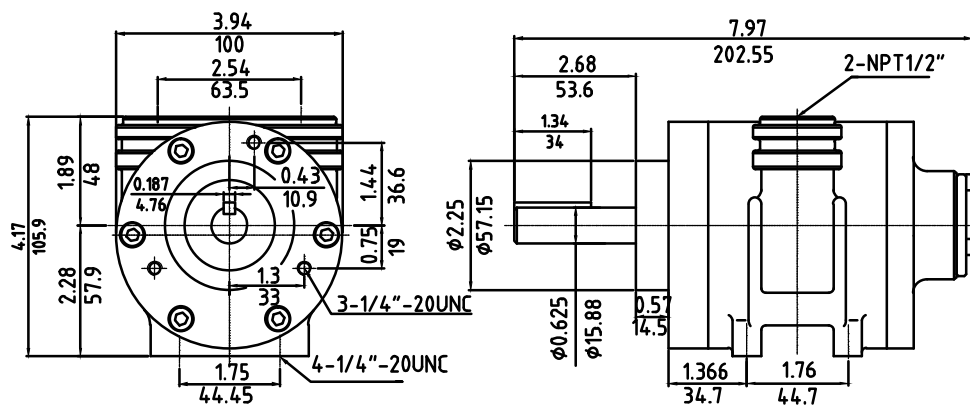
FS-NL32 (Hub & Foot mounting)



FS-NL42 (Hub & Foot mounting)



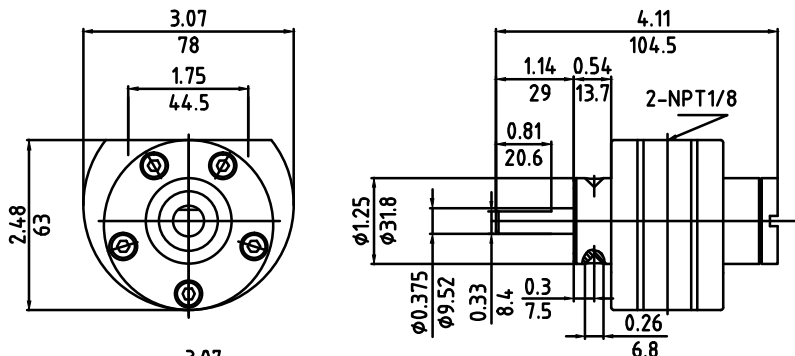
FS-NL52 (Hub & Foot mounting)



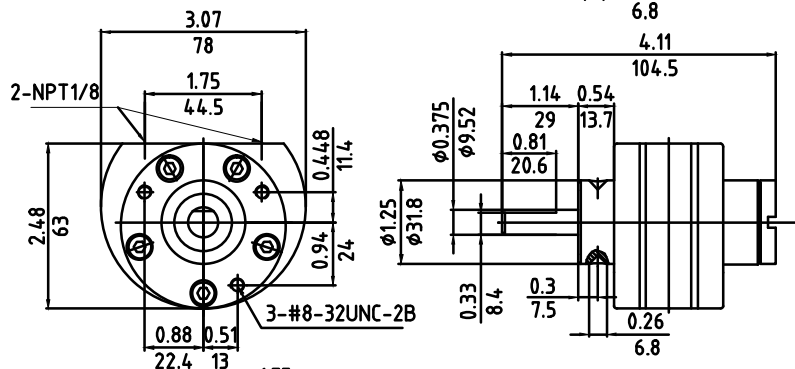
STAINLESS STEEL AIR MOTOR

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.
FS-1AM-V-S-113	0.45	0.33	0.31	2.75	10000	35.1	20.5	650	0.65	5.60
FS-1AM-VF-S-113	0.45	0.33	0.31	2.75	10000	35.1	20.5	650	0.65	5.60
FS-1AM-V-S-127	0.45	0.33	0.31	2.75	10000	35.1	20.5	650	0.65	5.60
FS-4AM-NRV-251SS	1.70	1.30	4.1	36.00	3000	132.5	78	300	6.3	56.00

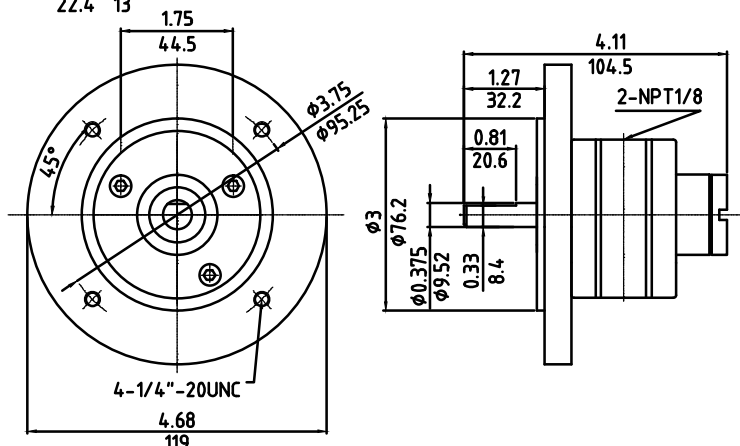
FS-1AM-V-S-113 (Hub mounting)



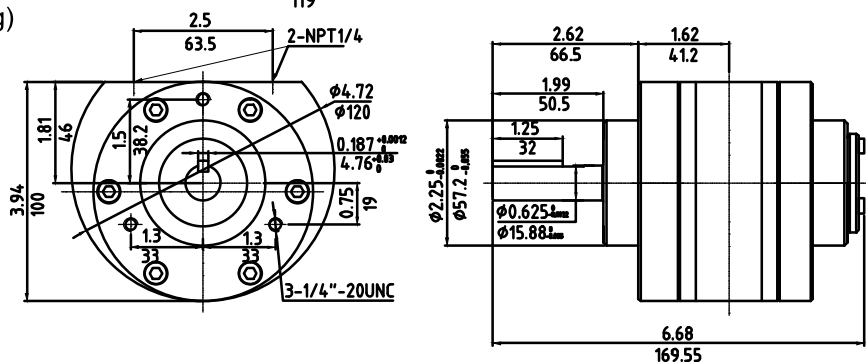
FS-1AM-VF-S-113 (Face mounting)



FS-1AM-V-S-127 (Flange mounting)



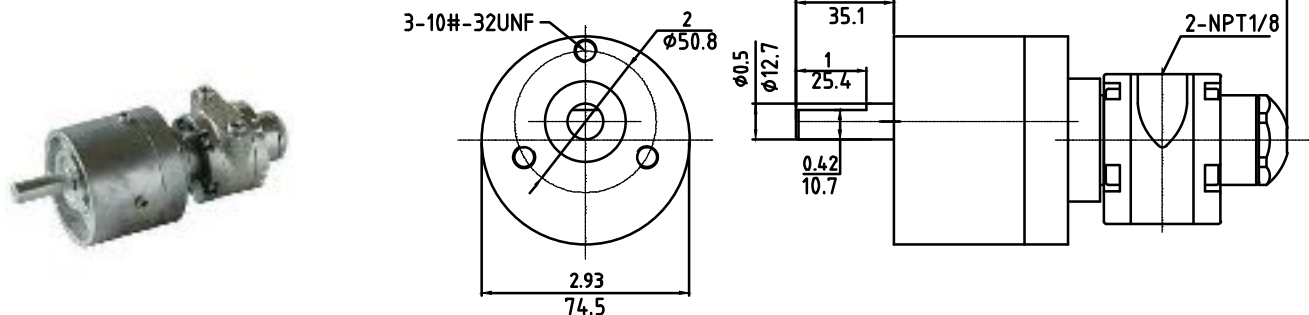
FS-4AM-NRV-251SS (Face mounting)



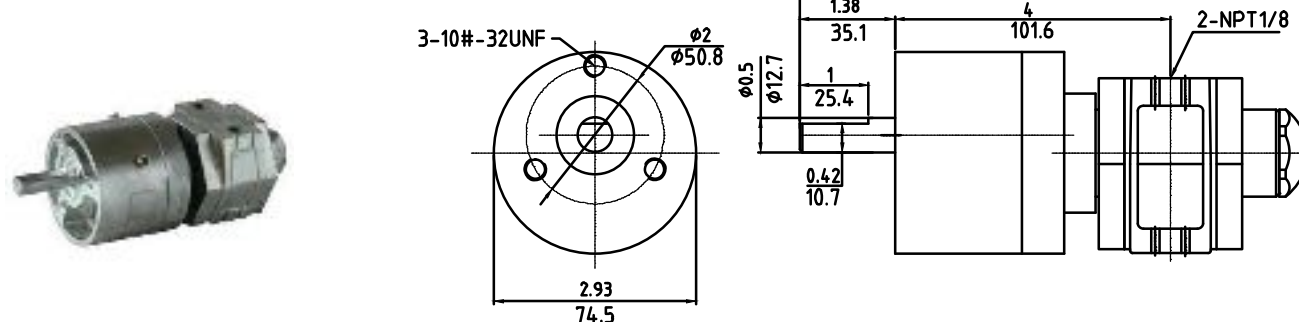
AIR GEAR MOTOR

Model	Gear Ratio	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	m ³ /h	cfm	rpm	Nm	lb.in.
FS-1AM-NRV-95-GR15	15:1	0.34	0.26	7.1	62	350	36	21	30	8.1	72
FS-1UP-NRV-16-GR15	15:1	0.32	0.23	5.5	49	400	36	21	30	8.0	71
FS-4AM-RV-10	10:1	1.26	0.94	31	274	300	98	57.5	30	48	425
FS-4AM-RV-15	15:1	1.25	0.9	45.2	400	200	102	60	20	72	640
FS-WG01	20:1	0.64	0.48	21	172	110	34	20	12	28	240
FS-WG02	20:1	0.90	0.68	29	256	150	46	27	17	40	343.5

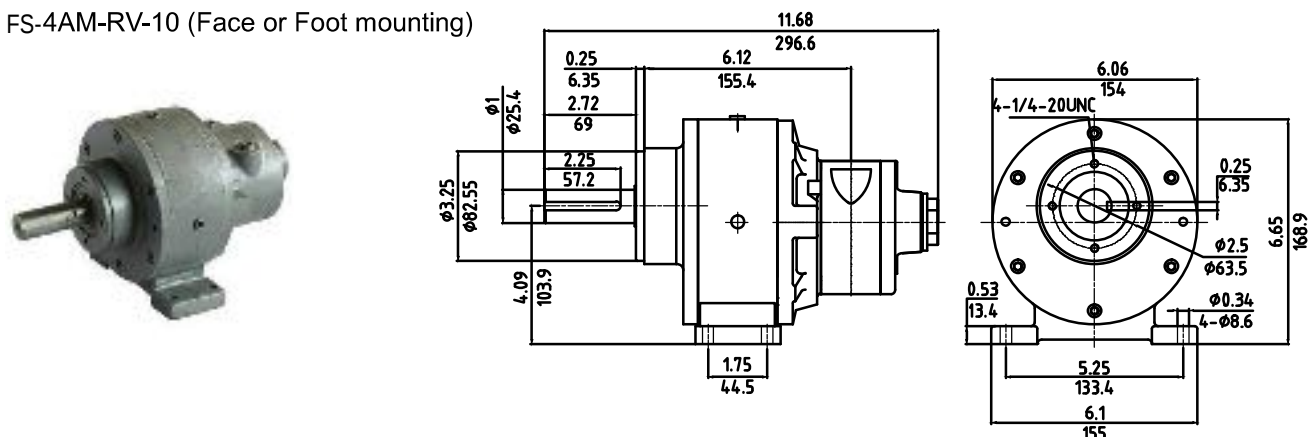
FS-1AM-NRV-95-GR15 (Face mounting)



FS-1UP-NRV-16-GR15 (Face mounting)

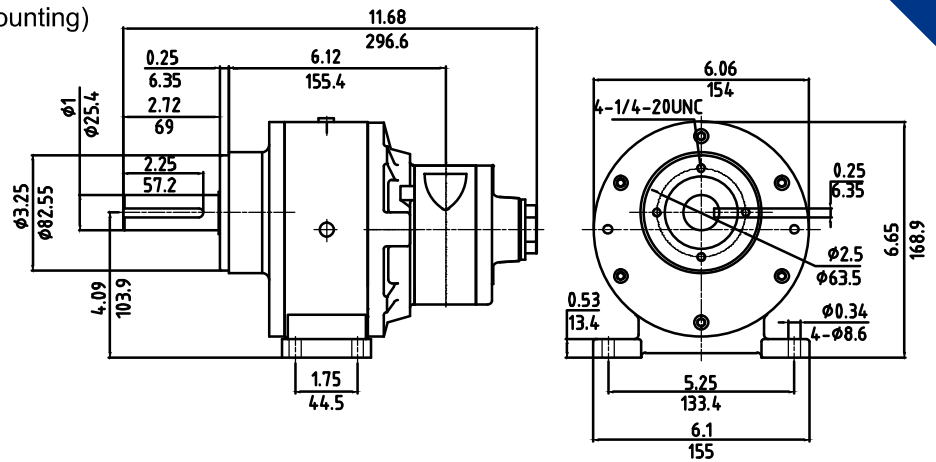


FS-4AM-RV-10 (Face or Foot mounting)

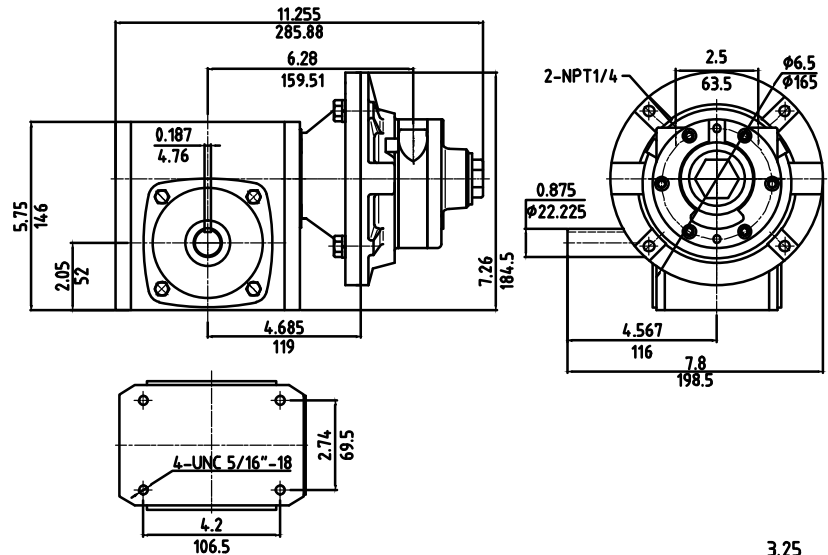


AIR GEAR MOTOR

FS-4AM-RV-15 (Face or Foot mounting)



FS-WG01 (Base mounting)



FS-WG02 (Base mounting)

