



# SM Series

## Lube-Free Air Motors

Reliable Performance  
Without Compromise.

### Prevent Oil Contamination

Lube-Free airline operation provides clean and consistent performance.

### Minimize Downtime

Self-regulating cooling system maintains optimal temperatures to prevent overheating.

### Easy Installation

Compact, portable design features versatile mounting options (Foot, Flange, Hub, and NEMA).

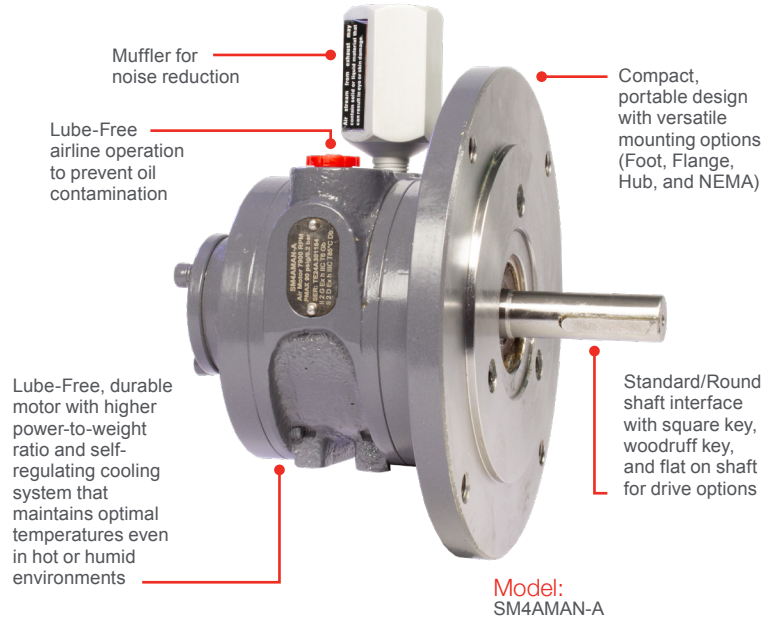


# Maximum Versatility. Easy Installation.



Get reliable performance without compromise. SM Series Lube-Free Air Motors from Ingersoll Rand® perform more cleanly and consistently than traditional air motors, preventing oil contamination in sensitive manufacturing facilities where lubricants must be strictly avoided. Lube-Free operation reduces air consumption compared to competition and minimizes downtime – making maintenance quick and cost-effective. The self-regulating cooling system maintains optimal temperatures even in hot or humid environments. Easy throttling and quick response times ensure instant start and stop, while the auto-stop mechanism protects the motor in the event of overload.

SM Series Lube-Free Air Motors deliver a higher power-to-weight ratio than competition, and installation is easy with versatile mounting options (Foot, Flange, Hub, and NEMA). ATEX- and CE-certified for operation in hazardous locations.



## Specifications

Model	Option	Max. Power (HP)	Free Speed (rpm)	Starting Torque (lb-ft)	Stall Torque (lb-ft)	Air Consumption (scfm)
SM1AMA-A	-	0.45	15000	0.4	0.57	20
SM1AMAL-A	(Left-Hand Bias)	0.45	15000	0.4	0.57	20
SM2AMAN-A	(NEMA)	0.9	8000	1.7	2.3	30
SM2AMC-A	-	0.9	8000	1.7	2.3	30
SM4AMAN-A	(NEMA)	1.5	7900	2.6	4.1	67
SM4AMB-A	(Woodruff Key)	1.5	7900	2.6	4.1	67
SM6AMA-A	-	3.6	7900	5.3	8.7	120
SM6AMAN-A	(NEMA)	3.6	7900	5.3	8.7	120
SM8AMA-A	-	4.8	7000	10	14	152
SM8AMAN-A	(NEMA)	4.8	7000	10	14	152

## Available Options

Model	Option	Muffler Assembly	Mounting Foot	Vane Kit	Tune-up Kit (lb-ft)
SM1AMA-A	-	MRV003A-010-RP-A	SM1AM-AG587-A	SM1AMA-005-A	SM1AMA-TK1-A
SM1AMAL-A	(Left-Hand Bias)	MRV003A-010-RP-A	SM1AMAL-AG587-A	SM1AMAL-005-A	SM1AMAL-TK1-A
SM2AMAN-A	-	MRV015A-010-RP-A	-	SM2AMAN-005-A	SM2AMAN-TK1-A
SM2AMC-A	-	MRV015A-010-RP-A	SM2AM-AH636-A	SM2AMAN-005-A	SM2AMAN-TK1-A
SM4AMAN-A	(NEMA)	MRV015B-010-RP-A	-	SM4AMAN-005-A	SM4AMAN-TK1-A
SM4AMB-A	(Woodruff Key)	MRV015B-010-RP-A	SM4AM-AH634-A	SM4AMAN-005-A	SM4AMB-TK1-A
SM6AMA-A	-	MRV040A-010-RP-A	SM6AM-AH634-A	SM6AMA-005-A	SM6AMA-TK1-A
SM6AMAN-A	(NEMA)	MRV040A-010-RP-A	-	SM6AMA-005-A	SM6AMA-TK1-A
SM8AMA-A	-	MRV050A-010-RP-A	SM8AM-AH640-A	SM8AMA-005-A	SM8AMA-TK1-A
SM8AMAN-A	(NEMA)	MRV050A-010-RP-A	-	SM8AMA-005-A	SM8AMA-TK1-A

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Ingersoll Rand (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers, and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity, and efficiency.