



Champion FMb Series Built to Deliver Value



CHAMPION

FMb 30-90 kW

Contact-Cooled Rotary
Screw Air Compressors

ChampionAirtech.com

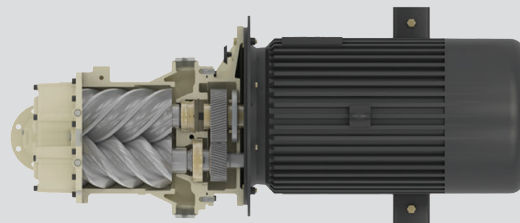


PRODUCT OFFERING TO ENDORSE **BUSINESS STRATEGY OF CUSTOMERS**

Champion rotary screw air compressors offer the best of time-proven designs and technologies with new, advanced features to ensure the highest levels of Productivity, Reliability, Efficiency and Serviceability.

High-efficient Gear Driven System

- Highly efficient gear driven system that is efficient and stable functioning to increase service life
- It's the only drive system that is maintenance free and totally isolated from the environment
- Nothing to maintain between motor and rotor shaft
- Sealed housing
- Power transmission – best in class



Xe-Series Controller

- High-tech Xe-Series controller, satisfies all-around requirements from our customers
- Increases efficiency and stabilizes pressure by sequencing up to 4 Xe-controlled compressors without additional hardware





Time-Proven Reliable Airends

Robust Airends

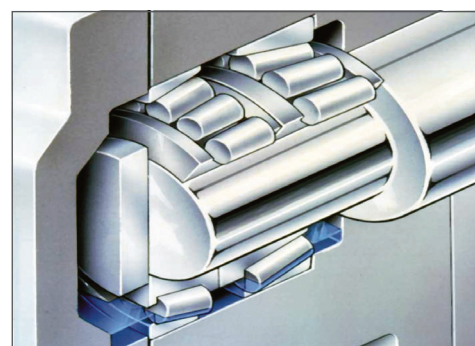
Used in compressors worldwide, Champion single-stage airends have proven to be the market leader in both reliability and efficiency.

- Precision machined rotors
- Highest quality tapered roller bearings
- Integrated coolant flow to eliminate leak paths



Coolant dam engineered design to maximize reliability

- Ensures no dry starts
- Lubricated start-up right from first bearing rotation
- Longer airend life

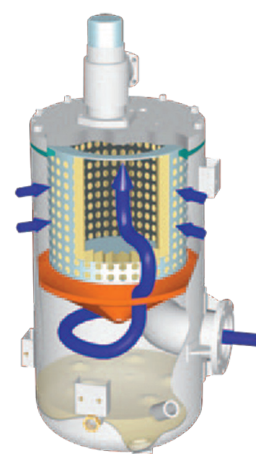


Efficient 3 Stage Separation System

Our Patented Vertical 3-Stage conical baffle separator element minimizes coolant carryover to customer plant and reduces the amount of make up replaced. This design also reduces the impact that overfilling or under filling can have on coolant carryover.

Serviceability

- Longer Service Intervals increases the productivity & makes the servicing of the machine easier & hassle free.
- Offers the best of the space for servicing making the machine ergonomically friendly for technician to service with no fatigue.



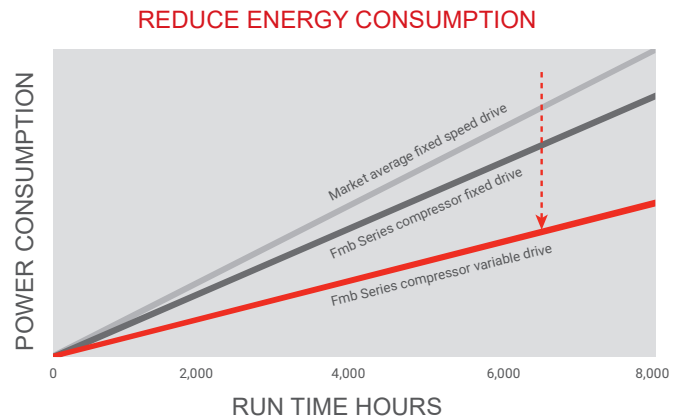
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Driving Towards Maximum Efficiency using Variable Speed Drives (VSD's)

When approx. 20-25% of the total electrical energy is used by Industry to run compressors, it makes compressed air 10 times costlier than electricity. This increases the need to improve efficiency and reduce the wastage of power.

Advanced efficiency motor. For even more efficiency, optional Variable Speed Drive can help you save 35% of the energy cost.



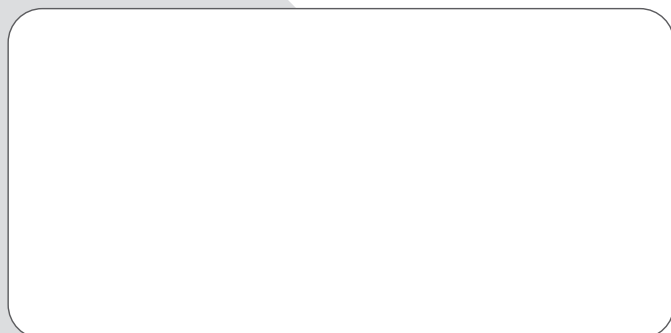
VFD Option is available for FMb Series Rotary Screw Air Compressors

Specifications Fixed Speed

Model	Capacity FAD (cfm)			Weight kg	Dimension L x B x H mm
	7 bar-g	8 bar-g	9.5 bar-g		
FMb 30 A FS	205	197	185	885	2100 x 1050 x 1215
FMb 37 A FS	244	228	218	905	
FMb 45 A FS	275	238	218	986	
FMb 55 A FS	360	333	303	1484	2655 x 1325 x 1435
FMb 75 A FS	520	475	435	1509	
FMb 90 A FS	602	566	505	2090	2655 x 1325 x 1535

Specifications Regulated Speed

Model	Capacity FAD (cfm)			Weight kg	Dimension L x B x H mm
	7 bar-g	8 bar-g	9.5 bar-g		
FMb 30 A RS	97 to 194	94 to 188	87 to 174	925	2170 x 1050 x 1215
FMb 37 A RS	117 to 233	108 to 215	104 to 208	945	
FMb 55 A RS	180 to 360	167 to 333	152 to 303	1624	2655 x 1325 x 1435
FMb 75 A RS	260 to 520	238 to 475	218 to 435	1800	
FMb 90 A RS	301 to 602	294 to 566	293 to 505	2090	2655 x 1325 x 1535



Product design and specifications may change without prior notice.



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