




Champion FMb Series
Built to Deliver Value



CHAMPION

FMb 110-160 kW
Contact-Cooled Rotary
Screw Air Compressors

ChampionAirtech.com



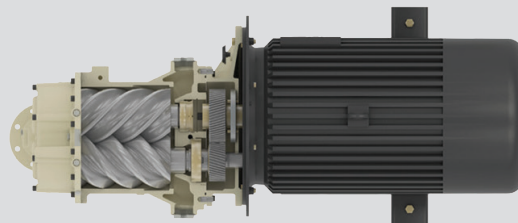
REVOLUTIONIZE
YOUR OPERATIONS WITH
OUR NEXT GEN VALUE
PERFORMANCE

THE FMB SERIES OF COMPRESSORS

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

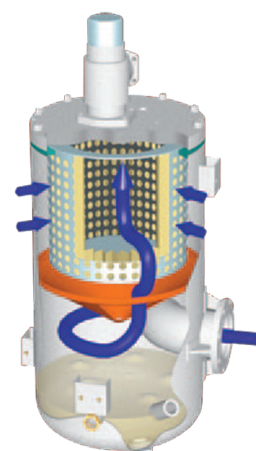


Efficient 3 Stage Separation System

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.



ML46 (4k Coolant)

- Champion ML46 (4K Coolant) has been developed to resist formation of deposits on rotating components in screw compressors to maintain excellent internal surface cleanliness particularly in oil/air separator and coalescer systems.
- ML46 coolant helps provide effective protection of internal metal surfaces from corrosion and wear. It contains an advanced ashless anti-wear system to help prolong the life of critical parts.
- It is designed to provide rapid air release without excessive foaming to give trouble-free operation even under cycling conditions.
- In addition, ML46 coolant has excellent water separation properties to help ensure continuous efficient operation of the compressor even in the presence of condensate.



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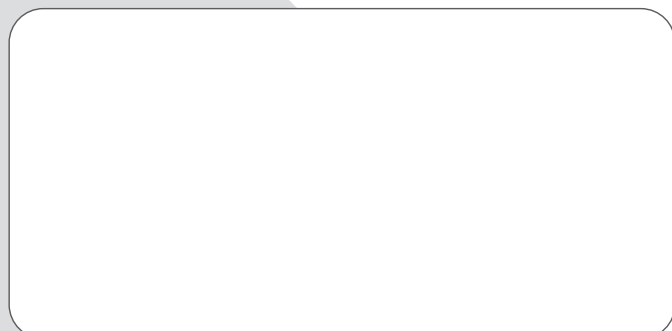


Specifications Fixed Speed

Model	Capacity FAD (cfm)				Weight kg	Dimension L x B x H mm
	7 bar-g	8 bar-g	9.5 bar-g	13.5 bar-g		
FMb 110 A FS	733	678	618	486	2548	3090 x 1700 x 1800
FMb 132 A FS	890	845	745	—	2828	
FMb 160 A FS	1052	1025	920	710	2928	

Specifications Regulated Speed

Model	Capacity FAD (cfm) Min-Max			Weight kg	Dimension L x B x H mm
	7 bar-g	8 bar-g	9.5 bar-g		
FMb 110 A RS	366 to 733	339 to 678	309 to 618	2752	3090 x 1700 x 1800
FMb 132 A RS	445 to 890	422 to 845	372 to 745	3007	
FMb 160 A RS	526 to 1052	512 to 1025	460 to 920	3158	



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21-30, GIDC Estate, Naroda, Ahmedabad - 382 330, India.

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