



COMPRESSOR SELECTION GUIDE

Industrial Reciprocating*	Rotary Screw
Intermittent duty applications	Constant volume applications
Lower initial cost	Higher initial cost
Lower maintenance costs	Higher maintenance cost
Easy maintenance	Requires structured maintenance programs
Typical pressure range up to 175 psig	Typical pressure range 100 to 150 psig
Typically 30 hp & below	Typically above 30 hp
Can operate in harsh environment	Requires ideal operating conditions
Low sound NOW available	Low sound available

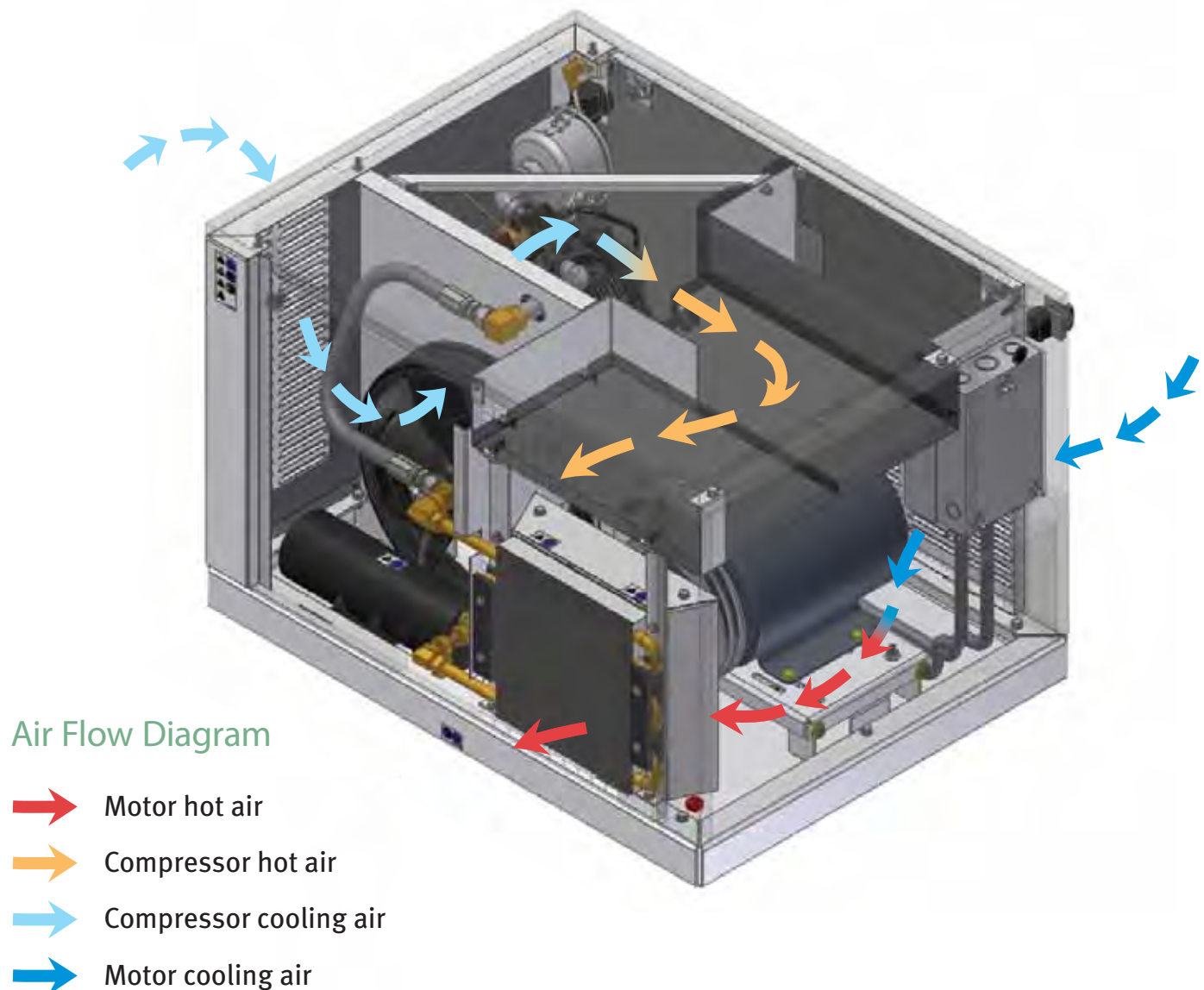
* Single-acting lubricated

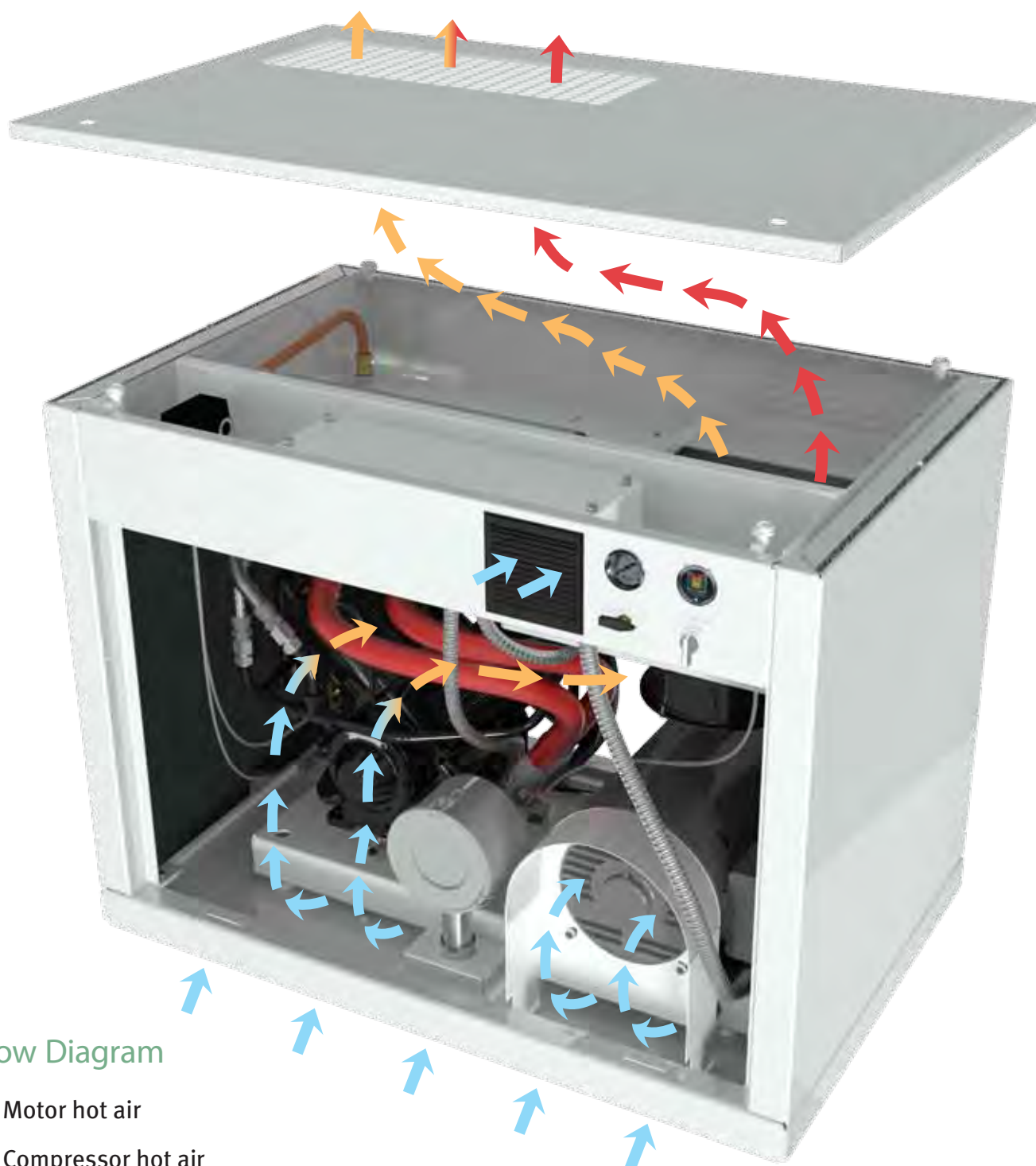
If you desire the advantages of a reciprocating compressor and the low noise of a rotary screw... it is time for you to meet *Evolution*.








The New Champion Evolution is a prime example of a product that has evolved through analysis of our customers' needs and expectations. The Evolution establishes a precedence in innovation, quality, reliability, long life and high performance.





Air Flow Diagram

-  Motor hot air
-  Compressor hot air
-  Cool air

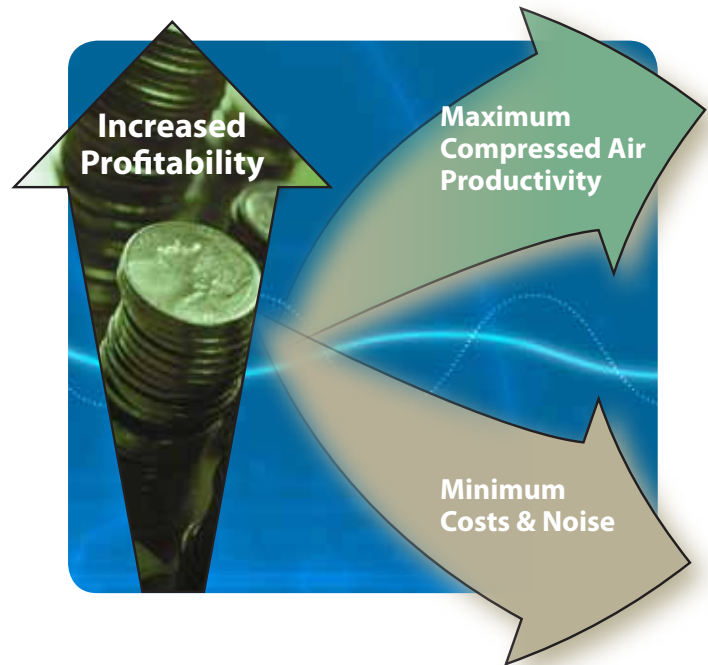
Time-proven Engineering Excellence

Today's Champion compressors are the product of decades of rigorous design and development. With over 90 years experience in designing and manufacturing air compressor systems, Champion compressors have been continuously improved in design and performance through innovation in engineering, material, production techniques, and quality control.

During the development of the Evolution, the voice of our customers was a top priority. After a thorough analysis of our customers' needs and expectations, we developed a unique compressor with unmatched performance and reliability.

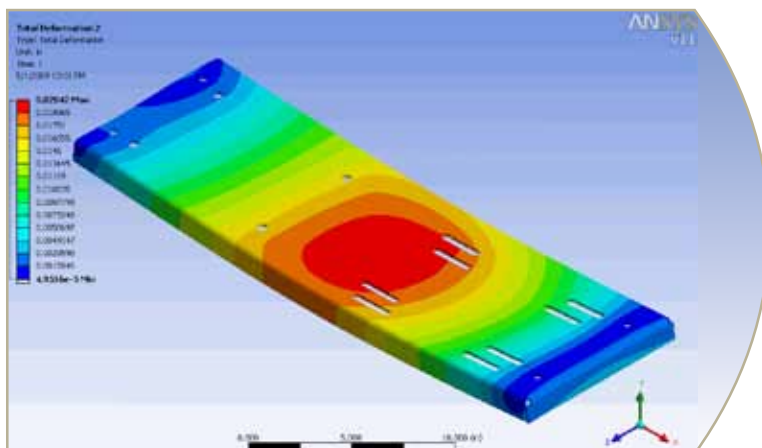
Featuring time-proven design and dependability, high performance and long life, Champion is a true leader in reciprocating compressors.

Throw away your loud compressor and buy a Evolution!



Finite Element Analysis (FEA)

Structural analysis



Champion evaluated several designs using FEA structural analysis. With FEA, Champion engineers created a more rigid base to counter resonance, fatigue and vibration.

Other Innovative Products



CFF Series High Efficiency Filters

A full range of filters 20–21,250 cfm; coalescing, particulate, and activated carbon for the removal of water, oil, and particulates from compressed air.



CDT Series Desiccant Dryers

A complete line of desiccant dryers for the removal of water vapor in compressed air to dew points as low as -100° F.



CRN Series Refrigerated Dryers

A full line of high quality refrigerated dryers with features and benefits unmatched by the competition. Designed to produce dew points as low as 38° F in compressed air.



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Due to Champion's continuing product development program, specifications and materials are subject to change without notice or obligation.



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Member

