

CHAMPION

L23-L29 (30-40 HP)
FIXED SPEED ROTARY SCREW COMPRESSORS

L Series



Advanced Technology Inspired Simplicity

A Better Approach

Champion has a long history of manufacturing compressed air equipment. With our L Series line of products, we have uniquely combined ***simplicity*** with ***cutting-edge design***.

The result—a compressor that delivers outstanding performance with unprecedented serviceability.





The Total Package

Champion has the total package—extensive compressor and air treatment product lines, sales and service support through our extensive network of authorized local distributors, and industry leading warranty programs. Because we offer more than just compressed air equipment, we can provide solutions that keep you running, protect your production objectives and save you money.



A Whole New Level of Serviceability

Designed with the customer in mind, all L Series compressors feature a clean, simple and intuitive layout. The “advanced but simple package design” ensures first-class serviceability by:

- Lowering maintenance and service costs
 - Reduced number of components to maintain
 - Machines all feature one common layout
- Lengthening service life
 - Superior long-life components ensure excellent compressed air quality
- Limiting down time
 - Quick and complete access to grouped service components
 - Removable hinged enclosure panels

Experience the difference of a truly
service-friendly compressor



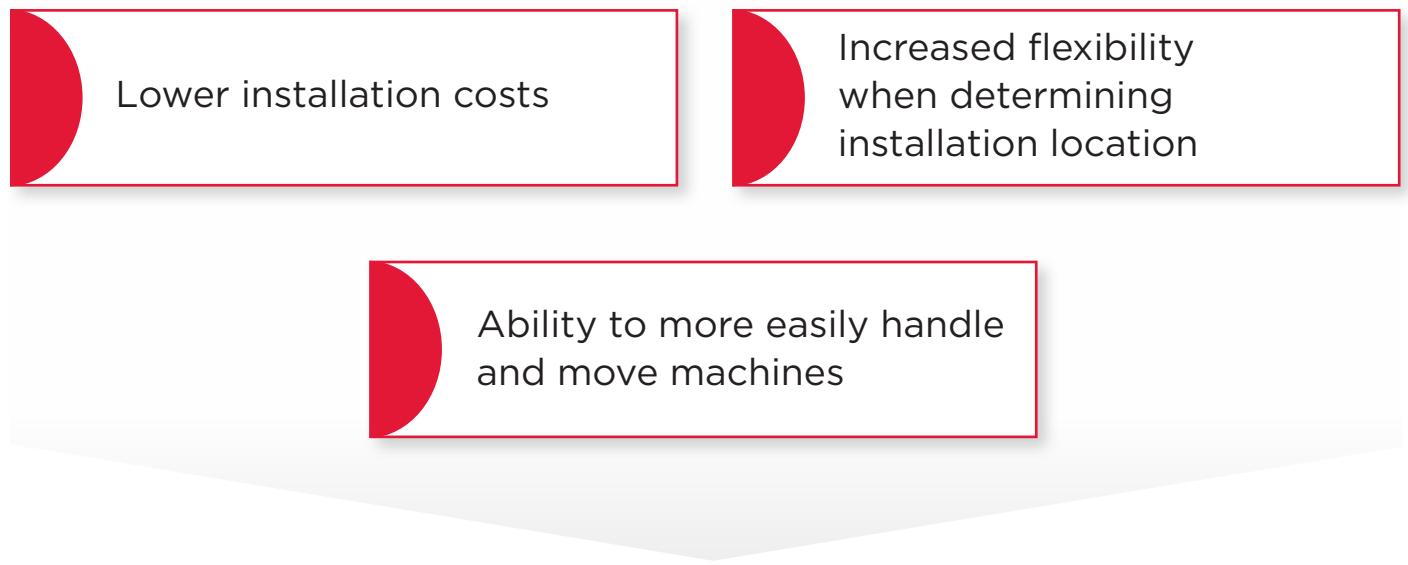




Easy to Navigate,
Compact Packages

Small Footprint or Superior **Serviceability**?

Achieve the best of both worlds with Champion. The integrated design eliminates unneeded connections and minimizes piping; allowing the footprint of the package to be reduced without overlooking the importance of serviceability.



Lower installation costs

Increased flexibility
when determining
installation location

Ability to more easily handle
and move machines

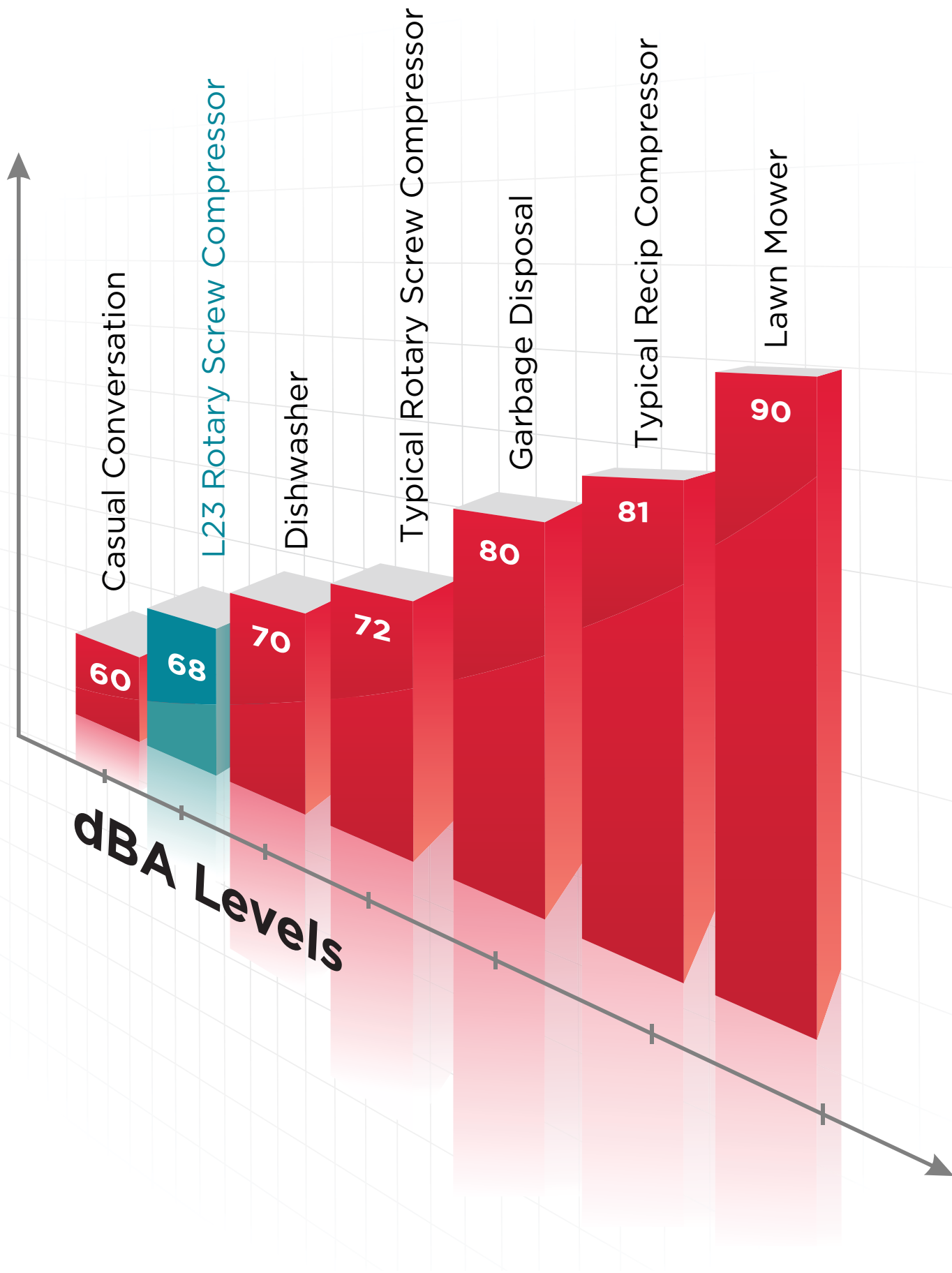
Small Footprints = **Cost Savings**

Without sacrificing serviceability, the Champion compressor packages feature some of the smallest footprints in the industry.



Nearly **Silent** Noise Levels

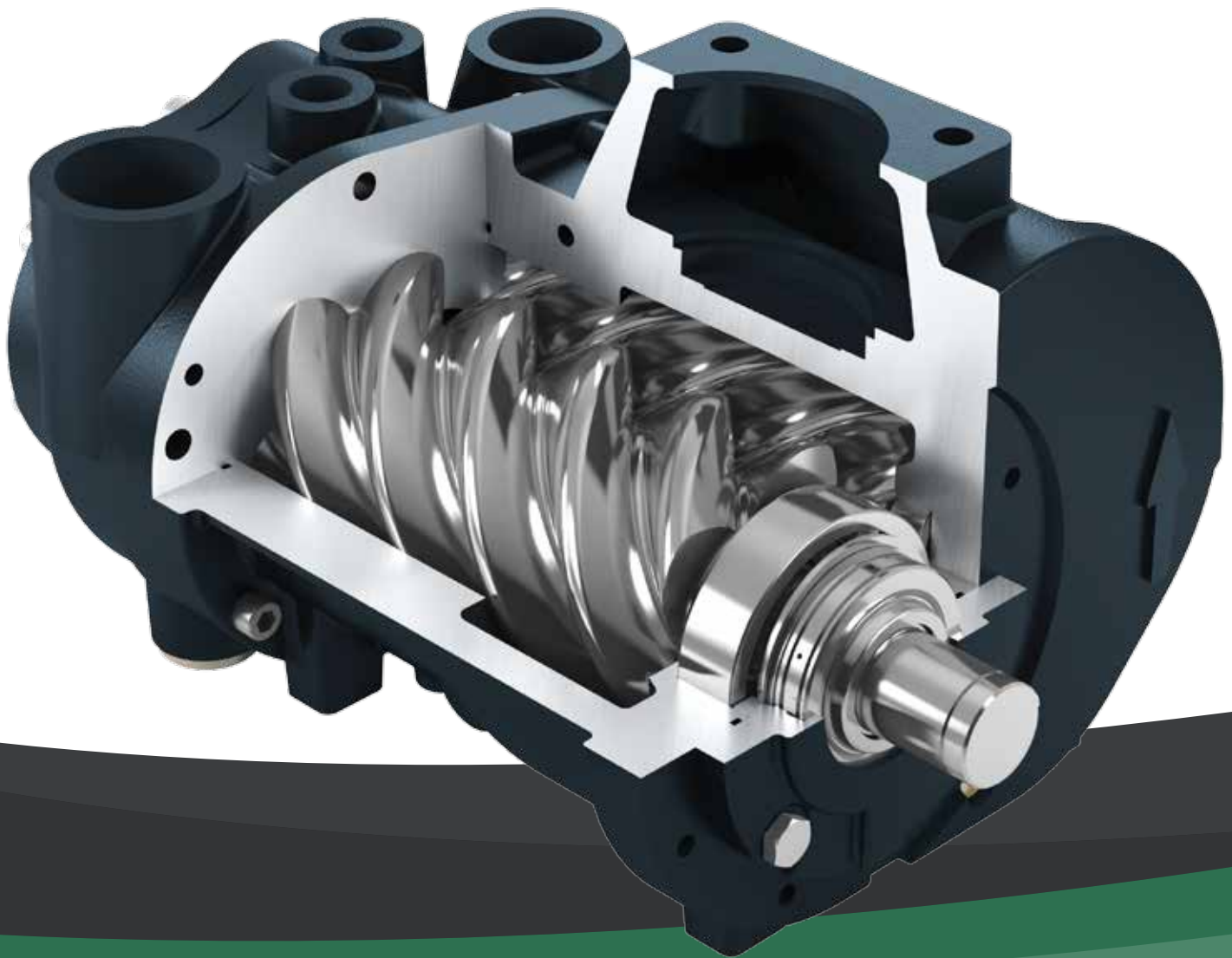
The Champion L Series compressor designs feature high-quality, sound-insulating enclosure panels and a low-noise, thermostatically-controlled, motor-driven fan. These components reduce the noise to whisper-quiet levels and eliminate the need for a separate compressor room, saving you money on installation costs.



Stay Focused on What Is **Important**

Compressors are more than just a financial investment. They are a key component in ensuring that you, as a manufacturer, processor and operator, receive consistent, high-quality low-cost air. Champion uses the latest design techniques to develop a compressor that focuses on the three most important aspects of a compressor.

Reliability. Performance. Value.



Direct Gear Drive Fewer Hose
Connections

Integrated
Thermostatic
Mixing Valve

Direct Angle
Injection

Low Rotational Speeds

RELIABILITY

Integrated Oil Filter

Reduced Number
of Components

Industrial Grade
Components

Semi Integrated Airend

Fail Safe Shaft System

Less Leak Opportunities



High Performance Commands Engineering Excellence.

The air you need when you need it

Champion compressors are more than reliable. They feature high-efficiency airends that make more air using less power when compared to the competition. When you choose Champion you can rest assured you'll have the air you need.



High Efficiency
TEFC Motor

Low Life Cycle Costs

Market Leading Energy Savings

Lowest
kW/100
CFM

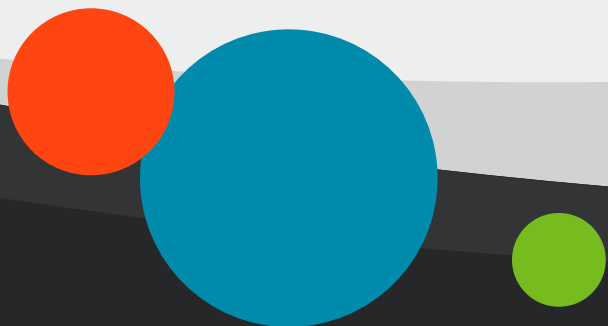
Minimal
Pressure
Drop

VALUE

Superior
Specific Power



Get More
For Your **Money**



Get In Touch With The **Next Generation** Of Compressor Controllers

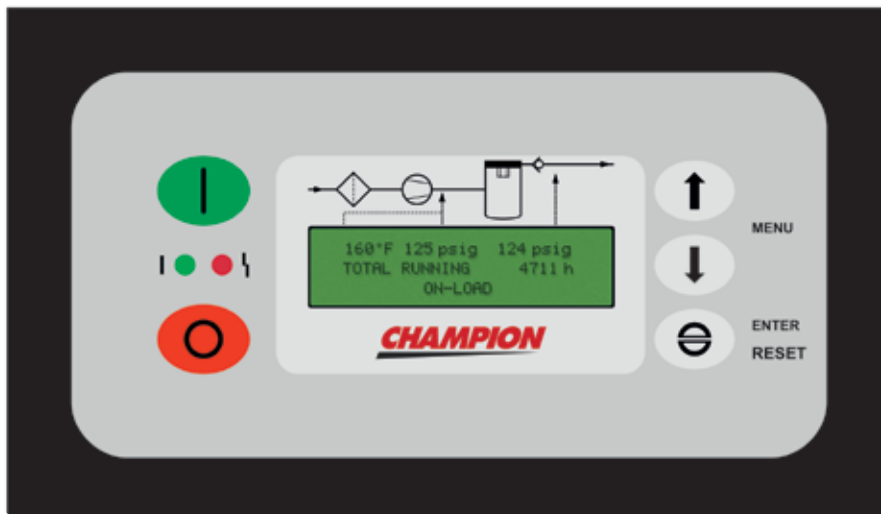
Champion completes its industry leading compressor packages with the state-of-the-art dual position Pilot controller. Featuring advanced software and an easy to use interface, the Pilot controller provides and displays an extensive amount of data on the operation of your compressor.



Built-In **Intelligent** Controls

Pilot Controller Features

- Real time clock
- Second pressure setting
- Discharge/line/network pressure data displayed
- Advanced fault history log
- Programmable inputs and outputs
- Auto restart after power failure
- RS485-Modbus RTU Standard



Best Warranty in the Industry

Experience Peace of Mind

Champion's engineering philosophy ensures long-lasting, reliable equipment. Our simple, but bold warranty programs demonstrate our belief in the quality found in Champion compressors.

Our standard warranty ensures that you have peace of mind when it comes to your system's operation. For added protection, take advantage of our 10-year extended airend warranty program. Simply stated, it's the best in the industry.







Superior **Support**
at a Local Level

Sales & Service **Distributors** Across America

An Extensive Network

By leveraging the extensive network of Champion factory-trained authorized local distributors, your sales, service and technical support needs can be handled quickly and easily.

Keeping your compressors

MAINTAINED

and adequately serviced has never been

EASIER

To find a distributor visit:

<http://championpneumatic.com>



Keeping the System Healthy

Factory-Specified Parts & Accessories

Each and every part that goes into a Champion compressed air system is tested and approved by our world-class Engineering team. Don't trust some faceless pirate to supply the vital parts and accessories that keep your compressed air system healthy. Where will they be when their knock-off parts cause problems for your operation?

Service Components

Oil filters, separators and air filters are specified and designed into a Champion compressor as part of the total package. Replacing these components with genuine Champion parts ensures that your compressed air system remains a total package.

Replacement Parts

Champion air compressor parts have tolerances as low as one-ten-thousandths of an inch. Keep that in mind as you decide where to purchase your replacement parts.

Ensure your compressed air
system remains a **total package**

Lubricant Solutions

Meeting Demands

Also known as the “lifeblood” of the air compressor, choosing the correct lubricant is vital in maximizing efficiencies and equipment longevity. Whatever your application, there is a Champion lubricant formulated to meet your demands, head-on.



High Temperatures Semi-Synthetic
SYNTHETIC
Food Grade High Performance



The **L Series** fixed speed compressors are ideal for any application thanks to its **high performance** airend, **energy efficiency** and robust design.

Technical Data

L23-L29 SCREW COMPRESSOR, 60 HZ

MODEL	NOMINAL PRESSURE		DRIVE MOTOR		FAD ¹		NOISE LEVEL ² DB(A)	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	PSIG	BAR	HP	KW	CFM	M ³ /MIN		LBS	KG	
L23	100 125 190	6.9 8.6 13.0	30	22	149 130 107	4.22 3.68 3.03	68	1433	650	53 x 35 x 64 (1345 x 880 x 1612)
L26	100 125 190	6.9 8.6 13.0	35	26	173 148 128	4.90 4.19 3.62	69	1493	677	53 x 35 x 64 (1345 x 880 x 1612)
L29	100 125 190	6.9 8.6 13.0	40	30	193 177 147	5.47 5.01 4.16	71	1501	681	53 x 35 x 64 (1345 x 880 x 1612)

1) Data measured and stated in accordance with ISO1217, Ed. 4, Annex C & Annex E at the following conditions:
Air Intake Pressure 1 bar A, Air Intake Temperature 20° C, Humidity 0 % (Dry)

2) Measured in free field conditions in accordance with ISO 2151, tolerance +/- 3 dB

L23-L29 SCREW COMPRESSOR, 50 HZ

MODEL	NOMINAL PRESSURE		DRIVE MOTOR		FAD ¹		NOISE LEVEL ² DB(A)	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	PSIG	BAR	HP	KW	CFM	M ³ /MIN		LBS	KG	
L23	110 145 190	7.5 10.0 13.0	30	22	147 122 105	4.16 3.45 2.98	67	1433	650	53 x 35 x 64 (1345 x 880 x 1612)
L26	110 145 190	7.5 10.0 13.0	35	26	145 146 122	4.84 4.13 3.44	68	1493	677	53 x 35 x 64 (1345 x 880 x 1612)
L29	110 145 190	7.5 10.0 13.0	40	30	195 170 145	5.52 4.81 4.12	69	1501	681	53 x 35 x 64 (1345 x 880 x 1612)

1) Data measured and stated in accordance with ISO1217, Ed. 4, Annex C & Annex E at the following conditions:
Air Intake Pressure 1 bar A, Air Intake Temperature 20° C, Humidity 0 % (Dry)

2) Measured in free field conditions in accordance with ISO 2151, tolerance +/- 3 dB

The leader in every market we serve
by continuously improving all business processes
with a focus on innovation and velocity

CHAMPION

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