



# CHAMPION

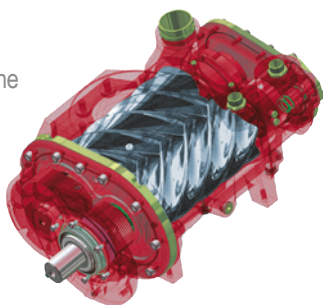
## BIG ON QUALITY! CHAMPION ON PRICE!

FM Series 90 to 132 kW  
Fixed and Regulated Speed



### Premium efficiency airend

The new highly efficient airend delivers the highest quality compressed air at a low rotational speed, to help minimise the unit's energy consumption and achieve excellent performance.



### Eliminating all Risks

Protect your investment and minimise downtimes with the 5-year extended warranty and with the Industry 4.0 Solution iConn.

### Compressor Controller Pilot TS Features & functions

- Home Page – instant overview of the compressor status
- Real Time Clock – allows pre-setting of compressor starting/stopping
- Second Pressure Setting
- Integrated Cooling and Dryer Control
- Fault History Log – for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power Failure
- Optional Base Load Sequencing
- SD Card – stores several run characteristics



### iConn Industry 4.0 Option

The controller Pilot TS has the possibility to connect with iConn monitoring device.

iConn is the smart, proactive real-time monitoring service that delivers in-depth and real-time knowledge on the system to our compressed air users. It enables accurate production planning and total peace-of-mind protection. iConn keeps users informed on performance, at the same time highlighting potential issues before they become a problem.

- Condition based monitoring
- Predictive maintenance required
- Full Air Manufacturing Control Optimisation
- External data pattern integration

## FM RS Variable Speed Technology

Allows substantial energy savings  
of at least 25% of the energy cost



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## Technical data

### FM 90 – 132 Fixed Speed Screw Compressors

FM SERIES	NOMINAL PRESSURE	DRIVE MOTOR	FAD <sup>1)</sup>	NOISE LEVEL <sup>2)</sup>	WEIGHT	DIMENSIONS L X W X H
	BAR G		M <sup>3</sup> /MIN			
FM90	7.5	90	18.16	75	2447	2290 x 1327 x 2039
	10		15.51			
	13		13.52			
FM110	7.5	110	21.60	77	2532	2290 x 1327 x 2039
	10		18.85			
	13		16.47			
FM132	7.5	132	24.79	78	2764	2290 x 1327 x 2039
	10		21.51			
	13		18.70			

### FM 90 – 132RS Variable Speed Screw Compressors

FM SERIES	NOMINAL PRESSURE	DRIVE MOTOR	FAD <sup>1)</sup>	NOISE LEVEL <sup>2)</sup>	WEIGHT	DIMENSIONS L X W X H
	BAR G		MIN - MAX M <sup>3</sup> /MIN			
FM90RS	5 - 13	90	5.24 - 18.16	74	2579	2290 x 1327 x 2039
FM110RS	5 - 13	110	5.24 - 21.52	75	2604	2290 x 1327 x 2039
FM132RS	5 - 13	132	5.24 - 24.76	76	2655	2290 x 1327 x 2039

For technical specifications please refer to the technical information sheets.

<sup>1)</sup> Data measured and stated in accordance with ISO 1217, Edition 4, Annex C and Annex E and the following conditions:  
Air Intake Pressure 1 bar a, Air Intake Temperature 20°C, Humidity 0 % (Dry).

<sup>2)</sup> Measured in free field conditions in accordance with ISO 2151, tolerance ± 3dB (A).

## Compressed Air Treatment

Champion offer a full range of compressed air treatment including:

- Air Filters
- Refrigeration Dryers
- Condensate Drains
- Cyclone Separators
- Adsorption Dryers
- Oil / Water Separators
- Membrane Dryers
- Air Receiver Tanks
- Nitrogen Generators



[www.championairtech.com](http://www.championairtech.com)

For additional information please contact  
your local representative.  
Specifications subject to change without notice.