

BIG ON EFFICIENCY! CHAMPION ON PRICE!

NEW

At a glance...

 **Nominal Pressure**
5 - 13 bar g

 **Motor Power**
90 - 132kW

 **Volume Flow**
5.26 - 24.79 m³/min



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



OUTSTANDING EFFICIENCY



FM RS Variable Speed Technology

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

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 FIXED SPEED - FMRS VARIABLE SPEED SERIES

Technical data

FM 90 – 132 Series Screw Compressors, Fixed Speed

Design: Oil flooded, Single stage rotary screw compressor, direct drive, star / delta starting

Pressure Range: 7.5 to 13 bar

Electric motor: 90 - 132kW - IE3



FM SERIES CODE	TYPE	FM90			FM110			FM132		
		A34905437	A34905438	Configurator FM9013	A34905440	A34905441	Configurator FM11013	A34905443	A34905444	Configurator FM13213
	REC	FLOOR	FLOOR	FLOOR	FLOOR	FLOOR	FLOOR	FLOOR	FLOOR	FLOOR
Max. Pressure	bar	7.5	10	13	7.5	10	13	7.5	10	13
	PSI	109	145	188	109	145	188	109	145	188
	CFM	641.32	547.74	477.46	762.80	665.69	581.64	875.46	759.63	660.39
Capacity at working pressure	m ³ /min	18.16	15.51	13.52	21.60	18.85	16.47	24.79	21.51	18.70
Drive Motor IP55 / Class IE3	kW	90	90	90	110	110	110	132	132	132
	HP	125	125	125	150	150	150	180	180	180
Operating Voltage, 50 Hz	400 V	•	•	•	•	•	•	•	•	•
Air Cooled		•	•	•	•	•	•	•	•	•
Noise Level	dB(A)	75	75	75	77	77	77	78	78	78
Weight	kg	2447			2532			2764		
Dimensions (LxWxH)	mm	2290 x 1327 x 2039			2290 x 1327 x 2039			2290 x 1327 x 2039		
Compressed Air Delivery Connection		EN 10226 R 2 1/2								

OPTIONAL

Alternative Voltage 380V/60Hz

Heat Recovery Integrated*

Heat Recovery External*

Heat Recovery Retro-fit Integrated*

Heat Recovery Retro-fit External*

Canopy Heater**

Oil Thermostat 70°C

Food Grade Lubricant

Synthetic oil

Water Separator + Drain

iConn factory fitted

iConn Retrofit kit NETT PRICE

Remote on-off

Filter Monitoring

Base Load Sequencing

Profibus

Potential free contact kit

Extended Warranty 5 years

SERVICE & PARTS

Service Kit for 4000h

Service Kit for 8000h

For 8000 Hrs Service both 4000 and 8000 Hrs kits must be purchased together

* Heat recovery requires synthetic oil. Not included in the price of heat recovery. In case of order please add the price of heat recovery + synthetic oil. Food Grade oil is synthetic.

** Not available in combination with heat recovery

FM 90 – 132 RS Series Screw Compressors, Variable Speed



Design: Oil flooded, Single stage rotary screw compressor, direct drive, star / delta starting

Pressure Range: 5 to 13 bar

Electric motor: 90 - 132kW - IE3

FM SERIES	TYPE	FM90RS	FM110RS	FM132RS
CODE		A34905439	A34905442	A34905445
	REC	FLOOR	FLOOR	FLOOR
Max. Pressure	bar	5 - 13	5 - 13	5 - 13
	PSI	73 - 188	73 - 188	73 - 188
	CFM	185.76 - 641.32	186.76 - 759.63	187.76 - 874.40
Capacity at working pressure	m ³ /min	5.26 - 18.16	5.26 - 21.51	5.26 - 24.76
Drive Motor IP55 / Class IE3	kW	90	110	132
	HP	125	150	180
Operating Voltage, 50 Hz	400 V	•	•	•
Air Cooled		•	•	•
Noise Level	dB(A)	74	75	76
Weight	kg	2579	2604	2655
Dimensions (LxWxH)	mm	2290 x 1327 x 2039		
Compressed Air Delivery Connection		EN 10226 R 2 1/2		

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