



Compressed Air Technologies.  
Built to Deliver Value.



**CHAMPION**

**NOW IN INDIA**  
Rotary Screw, Piston  
Compressors and  
Air Dryers

ChampionAirtech.com



Champion offers a wide range of compressed air solutions using a variety of technologies including rotary screw, piston, and a complete air treatment range.







Champion fixed and variable speed compressed air solutions are ideal for the industrial needs of small and medium-sized businesses. Our comprehensive product range is designed for continuous operation in the toughest conditions, with a strong focus on modularity, performance, energy efficiency, low operating and maintenance costs, and easy installation. More than just a financial investment, compressors are essential to manufacturing and service processes – and Champion delivers consistent, high-quality, cost-effective air.

## Why CHAMPION?

We offer a smart, reliable, and affordable choice for our customers.

### As a Customer

We continually invest in product development to ensure we deliver:

- Quality, reliable, and functional products
- Exceptional customer support
- Competitive pricing
- Strong local presence
- Fast delivery
- Cost-effective solutions for small and medium businesses

### As a Distributor

For decades, we have partnered with local, independent distributors and resellers because they are:

- Highly responsive and customer-focused
- Deeply connected to their local communities
- Flexible to customer needs
- Well-trained and fully staffed
- Committed to service excellence



# FMb SERIES “HIGH FLOW”

## FIXED & VARIABLE SPEED OIL FLOODED SCREW COMPRESSORS



### Overview

- Single-stage rotary screw compressor
- Star-Delta starting
- User friendly controller
- Energy-efficient airend design

### Reliability

- Time-proven, upgraded airend
- Efficient and rugged gear drive system
- V-Shield technology for a leak-free system

### Efficiency

- Optimized specific power over the operating range
- Precise flow and pressure control
- Lower sound level and smaller package size

### Productivity

- Extended service intervals and standardized consumables
- Easy access to serviceable components and cleaning points
- Xe-Series controller with intuitive, high-resolution display offering web-enabled monitoring and control

### Serviceability

- Easy-to-install, operate, and maintain solutions designed to reduce total cost of ownership

### FMb Series Specifications (7-160 kW)

Model	kW	Pressure bar-g	Air Flow cfm
FMb 7-11	7 - 11	7.5 - 10	33 - 58
FMb 15-22	15 - 22	7.5 - 13	64 - 122
FMb 30-45	30 - 45	7.5 - 10	185 - 275
FMb 55-75	55 - 75	7.5 - 10	303 - 485
FMb 90-160	90 - 160	7.5 - 10	505 - 1050



# PISTON COMPRESSORS

## RELIABLE, STRONG, SUITABLE FOR PROFESSIONAL USE

### Overview

- Belt-driven, three-phase
- Pressure range: 7–12 bar
- Electric motor: 3–20 HP
- Voltage: 415 V / 50 Hz

### Benefits

- Durable high quality pistons
- Wide range to suit all applications

### CPS Series Specifications (3-20 hp)

Model	Motor hp	FAD Flow cfm	Pressure psig	Starter type	Control type	Tank Size ltrs.
CPS-150-FT3-12	3	8.6	175	DOL	ASSC	150
CPS-225-FT5-12	5	13.2	175	DOL	ASSC	225
CPS-225-FT7.5-12	7.5	17.8	175	DOL	ASSC	225
CPS-300-FT10-12	10	30	175	DOL	ASSC	300
CPS-300-FT15-12	15	42.5	175	ASD	ASSC	300
CPS-500-FT20-12	20	46.7	175	ASD	ASSC	500

### CP Series Specifications (3-10 hp)

Model	Motor hp	FAD Flow cfm	Pressure psig	Starter type	Control type	Tank Size ltrs.
CP-150-FT3-9	3	8.5	130	DOL	ASSC	150
CP-225-FT5-9	5	13	130	DOL	ASSC	225
CP-225-FT7.5-9	7.5	21	130	DOL	ASSC	225
CP-300-FT10-9	10	30	130	DOL	ASSC	300

# REFRIGERATED COMPRESSED AIR DRYERS

## CHR 012- CHR 440



### Main Features

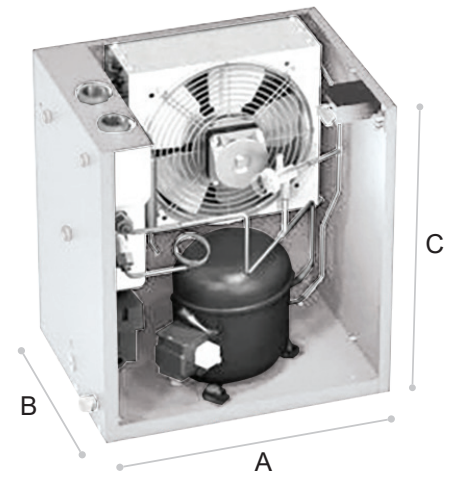
The CHR range of refrigeration dryers provides high performance and operational continuity thanks to:

- All-in-one air heat exchanger: NEW ALU-DRY aluminium (CHR-12-440)
- High efficiency compressor
- Automatic hot-gas by pass control
- Generously sized condenser group: ventilated copper tube and alu fins (CHR 12-130) or microchannel (CHR 180-440)
- Condensing control is by temperature sensor (CHR 12-80) & Pressure sensor (CHR 100-440)
- Safety thermo switch (CHR 100-440)
- Timed automatic condensate drain or capacitive electronic condensate drain
- High and low refrigerant safety pressure switch (CHR 180-440)
- Potential free alarm contact (CHR 12-440)
- RS485 Serial Port - INDUSTRY 4.0 (CHR12-440)

## Refrigerated Compressed Air Dryers

### Technical Characteristics

Data refer to the following nominal conditions: ambient temperature of 25°C, with inlet air at 7 barg and 35°C and 3°C pressure Dew Point. Max, working conditions: ambient temperature 45°C, inlet air temperature 55°C and inlet air pressure 16 barg.



Model	Refrigerant	Flow Rate			Pressure Drop bar	Connections Ø	Power Supply Ph/V/Fr	DIMENSIONS [mm]			Weight kg
		m³/h	min	scfm				A	B	C	
CHR 12	R134a	72	1200	42	0.13	1"	1/230/50	351	450	491	35
CHR 18	R134a	108	1800	64	0.28	1"	1/230/50	351	450	491	36
CHR 23	R134a	144	2300	85	0.23	1"	1/230/50	351	450	491	38
CHR 30	R134a	180	3000	106	0.28	1"	1/230/50	449	595	548	45
CHR 40	R407C	252	4200	148	0.27	1 1/2"	1/230/50	449	595	548	53
CHR 60	R407C	360	6000	212	0.22	1 1/2"	1/230/50	511	785	858	73
CHR 80	R407C	486	8100	286	0.18	1 1/2"	1/230/50	511	785	858	83
CHR 100	R407C	630	10500	371	0.27	1 1/2"	1/230/50	511	785	858	85
CHR 130	R407C	780	13000	459	0.13	2"	1/230/50	511	785	858	106
CHR 180	R407C	1080	18000	636	0.23	2"	1/230/50	691	910	976	123
CHR 210	R407C	1260	21000	742	0.17	2 1/2"	1/230/50	691	910	976	140
CHR 240	R407C	1440	24000	848	0.23	2 1/2"	3/400/50	691	910	976	178
CHR 320	R407C	1920	32000	1130	0.22	Flange DN80	3/400/50	743	1208	1021	251
CHR 440	R407C	2640	44000	1554	0.24	Flange DN80	3/400/50	743	1208	1021	267

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