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FM Rotary Screw Compressors offer a range incorporating a high efficiency premium quality air end and cooling system ensuring the highest reliability. **The entire range consists of direct drive transmission models.**
Optional 5 year extended warranty.

Main Features

- Electronic controller C-PRO 2.0
- Premium quality group air-ends
- Easy maintenance
- Direct from 30-75 kW
- High efficient IE3 motors
- High capacities
- iConn as option
- Oil Separator Vessel Heater as option
- Heat Recovery Connection Kit as option

Part No.	CC1195721	CC1195722	CC1195723
Model/Modèle	FM30	FM30	FM30
Rec/Réservoir (l)	Floor	Floor	Floor
Drive/Régulation	Fixed	Fixed	Fixed
Transmission/Accouplement	Direct	Direct	Direct
Dryer/Sécheur d'air	No	No	No
Power/Puissance (kW)	30	30	30
Power/Puissance (Hp / Ch)	40	40	40
Voltage/Tension (Volts)	400/50	400/50	400/50
FAD/Débit (m ³ /min)	4.87	4.67	4.08
FAD/Débit (Cfm)	171.98	164.92	144.09
Pressure/Pression maxi (Bar)	8	10	13
Pressure/Pression maxi (Psi)	116	145	188
Electronic Control/Contrôleur	C-PRO 2.0	C-PRO 2.0	C-PRO 2.0
Air Cooled/Refroidissement par air	Yes	Yes	Yes
After-Cooler/Radiateur	Yes	Yes	Yes
Noise level/Niveau sonore dB(A)	71	71	71
Port/Raccordement	1"	1"	1"
Dimensions	1554x894x1405	1554x894x1405	1554x894x1405
Weight/Poids (kg)	700	700	700



CHAMPION		FM30-45A			OX142026			Ver.02		
		Technical Information Sheet			ECN:			Region:EMEA		
		Air Cooled 50Hz						2019/07/02		
Performance Data		FM30			FM37			FM45		
Working pressure		8	10	13	8	10	13	8	10	13
Min working pressure	bar g				5					
Max working pressure	bar g	8	10	13	8	10	13	8	10	13
Ambient temperature-min/max		°C								
FAD*		m ³ /min								
Total input power (P spec. - kW/min/m3)		kW								
5	FAD*	4,87	4,67	4,08	6,4	5,49	5,05	7,32	6,75	5,4
	Total input power (P spec. - kW/min/m3)	33,79 (8,94)	35,87 (7,88)	36,77 (9,01)	44,88 (7,01)	42,22 (7,69)	45,36 (8,98)	55,33 (7,36)	52,7 (7,81)	48,69 (9,02)
6	FAD*	4,97	4,8	4,43	6,46	5,89	5,41	7,65	6,88	5,69
	Total input power (P spec. - kW/min/m3)	28,04(5,64)	28,51(5,52)	24,47(5,52)	37,41(5,79)	31,24(5,51)	29,88(5,52)	46,5(6,08)	40,11(5,83)	31,94(5,56)
7	FAD*	4,94	4,77	4,37	6,44	5,94	5,38	7,59	6,84	5,64
	Total input power (P spec. - kW/min/m3)	29,68(6)	28,34(5,64)	25,83(5,91)	40,12(6,23)	34,2(6,05)	32,02(5,97)	49,09(6,47)	42,54(6,22)	34,18(6,06)
8	FAD*	4,91	4,75	4,32	6,42	5,8	5,3	7,55	6,81	5,60
	Total input power (P spec. - kW/min/m3)	31,8(6,47)	30,37(6,4)	27,6(6,39)	42,22(6,58)	36,08(6,44)	33,78(6,37)	52,08(6,9)	45,13(6,62)	36,06(6,44)
9	FAD*	4,87	4,74	4,27	6,40	5,67	5,25	7,52	6,79	5,57
	Total input power (P spec. - kW/min/m3)	33,79 (8,94)	31,93(6,73)	29(6,79)	44,88 (7,01)	37,71(6,77)	35,42(6,75)	55,33 (7,36)	48,52(7,15)	37,71(6,77)
10	FAD*		4,59	4,22		5,54	5,21		6,77	5,54
	Total input power (P spec. - kW/min/m3)		33,03(7,04)	30,22(7,16)		40,03(7,23)	37,37(7,17)		51,33(7,59)	40,65(7,23)
11	FAD*		4,67	4,18		5,49	5,19		6,75	5,49
	Total input power (P spec. - kW/min/m3)		35,87 (7,68)	31,54(7,55)		42,22 (7,69)	39,51(7,61)		52,7 (7,81)	42,15(7,68)
12	FAD*		4,14	3,7		5,18	4,8		5,48	4,43(8,11)
	Total input power (P spec. - kW/min/m3)			33(7,97)			41(8,07)			5,43
13	FAD*		4,11	3,75		5,11	4,81(8,57)		5,4	46,51(8,56)
	Total input power (P spec. - kW/min/m3)			34,75(8,46)			43,81(8,57)			5,4
Total input power at no load, fan switched off		kW								
Airend		11,55	9,79	8,21	14,88	13,17	12,95	17,22	15,18	13,17
Male rotor speed		rpm								
Approx discharge temperature of air above		°C								
Free field noiselevel measured in 1m**		dB(A)								
Electrical Data										
Nominal motor rating		kW								
Full load Current max @400V		Amp								
Start Current max (400V)		Amp								
Standard drive motor detail		IP								
Driver motor speed		rpm								
Fan motor rating		kW								
Suggested cable size		mm ²								
Suggested fuse rating, time delay		Amp								
Cooling Data										
Ventilating fan capacity		m ³ /min								
Heat rejected by ventilating fan		%								
Size of cooling air inlet aperture		mm								
Size of cooling air outlet aperture		mm								
Cooling air temp above ambient approx		°C								
Max. allowable pressure drop in duct at amb. 35°C/45°C		Pa								
Weights Dimensions Capacities Data										
Compressor oil capacity		litres								
Approx. Oil carry over		PPM								
Compressed air delivery connection		EN 10226 G1 1/4 (DIN 2999-G1 1/4) female								
Weight		kg								
Package dimensions LxWxH		mm								

* Data measured and stated in accordance with ISO 1217 4th Edition Annex E and at the following conditions:

Air Intake Pressure: 1 bar a / 14.5 psia

Air Intake Temperature: 20°C / 68°F

Humidity: 0% (dry)

** Measured in free field conditions in accordance with ISO 2151, tolerance ± 3dB.

Our policy is one of continuous improvement and we therefore reserve the right to alter specifications without prior notice.