



FM02 - FM06

Technical Information Sheet

Ver. 02

Air Cooled 50Hz

2025/10/07

Performance Data		FM 02	FM 02	FM 03	FM 04	FM 05	FM 05+AC	FM 06	FM 06 +AC	
Working pressure		bar	10	10	10	10	10	10	10	
Minimum working pressure	bar g	5.0								
MAX Working pressure	bar g	10	10	10	10	10	10	10	10	
Ambient temperature - min/max	°C	1-40								
Working Pressure	FAD* @ max. working pressure	m ³ /min	0,18	0,21	0,35	0,45	0,66	0,66	0,92	0,89
	Total input power* @ max.working pressure	kW	2,61	2,74	3,36	4,57	6,07	6,1	8,48	8,33
5 bar	FAD*	m ³ /min	0,21	0,24	0,38	0,48	0,68	0,68	0,97	0,95
	Total input power (P spec. - kW*min/m ³)	kW	1,80 (8,78)	1,94 (8,23)	2,43 (6,41)	3,38 (6,98)	4,64 (6,83)	4,71 (6,93)	6,79 (7,01)	6,76 (7,13)
6 bar	FAD*	m ³ /min	0,21	0,24	0,37	0,47	0,68	0,68	0,96	0,94
	Total input power (P spec. - kW*min/m ³)	kW	1,92 (9,37)	2,08 (8,82)	2,59 (7,02)	3,53 (7,45)	4,95 (7,28)	4,97 (7,31)	7,11 (7,42)	7,08 (7,55)
7 bar	FAD*	m ³ /min	0,20	0,23	0,37	0,47	0,67	0,67	0,95	0,93
	Total input power (P spec. - kW*min/m ³)	kW	2,20 (11,18)	2,25 (9,98)	2,78 (7,53)	3,78 (7,98)	5,22 (7,80)	5,25 (7,84)	7,43 (7,84)	7,41 (7,99)
8 bar	FAD*	m ³ /min	0,19	0,22	0,36	0,46	0,66	0,66	0,94	0,92
	Total input power (P spec. - kW*min/m ³)	kW	2,26 (11,60)	2,38 (11,06)	3,02 (8,42)	4,06 (8,76)	5,48 (8,31)	5,50 (8,34)	7,82 (8,34)	7,78 (8,49)
9 bar	FAD*	m ³ /min	0,19	0,22	0,36	0,45	0,65	0,64	0,94	0,91
	Total input power (P spec. - kW*min/m ³)	kW	2,49 (13,27)	2,59 (12,03)	3,19 (8,89)	4,25 (9,38)	5,76 (8,88)	5,76 (9,02)	8,23 (8,78)	8,13 (8,97)
10 bar	FAD*	m ³ /min	0,18	0,21	0,35	0,45	0,66	0,66	0,92	0,89
	Total input power (P spec. - kW*min/m ³)	kW	2,61 (14,15)	2,74 (13,37)	3,36 (9,64)	4,57 (10,08)	6,07 (9,21)	6,10 (9,25)	8,48 (9,25)	8,33 (9,40)
Total input power at no load	kW	0,80	0,85	1,05	1,46	1,92		2,56		
Airend		GD1								
Male rotor speed	rpm	2057	2183	2914	3866	5476	5480	7720	7729	
Discharge temperature of air above ambient	°C	45	45	45	38	33	8	38	14	
Free field noise level **	dB(A)	63		64	67	68		70		
Electrical Data										
Nominal motor rating	kW	2,2	2,2	3,0	4,0	5,5	5,5	7,5	7,5	
Nominal voltage [Tolerance] (Frequency)		230V	230V[±10%] (50Hz) 400V[±10%] (50Hz)							
Full load current max. @ 230V (1 phase)	Amp	12,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Full load current max. @ 400V (3 phase)	Amp	n/a	4,47	6,04	7,73	10,43		14,62		
Full load current max. @ 230V (3 phase)	Amp	n/a	7,74	10,46	13,39	18,06		25,32		
Starting current max. 230V (1 phase)	Amp	Approx. 3 times FLA	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Starting current max. 230V and 400V (3 phase) Y/D	Amp	n/a	n/a	n/a	Approx. 3 times full load current					
Starting current max. 230V and 400V (3 phase) DOL	Amp	n/a	Approx. 7 times full load current						n/a	n/a
Standard drive motor detail	IP	IP55, IE3								
Drive motor speed	rpm	2914			2935			2930		
Suggested cable size @ 230V (1 phase)	mm ²	3G4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Suggested cable size @ 400V (3 phase)	mm ²	n/a	4G2,5	4G2,5	4G2,5	4G4		4G4		
Suggested cable size @ 230V (3 phase)	mm ²	n/a	4G2,5	4G4	4G4	4G4		4G6		
Suggested fuse rating @ 230V (1 phase)	Amp	16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Suggested fuse rating @ 400V (3 phase)	Amp	n/a	10	10	10	16		20		
Suggested fuse rating @ 230V (3 phase)	Amp	n/a	10	16	16	25		32		
Cooling Data										
Ventilating fan capacity	m ³ /min	16			25					
Heat rejected by ventilating fan	%	max. 95% of terminal power								
Size of cooling air inlet aperture	mm	d. 300								
Size of cooling air outlet aperture	mm	260 x 262				255 x 289		260 x 262	255 x 289	
Max. allowable pressure drop in duct at amb. 35°C/45°C	Pa	80/60			110/90					
Weights, Dimensions and Capacities										
Compressor oil capacity	litres	3,5								
Approx. oil carry over	PPM	≤3								
Compressed air delivery connection	BSPP	F 1/2"								
Weight	kg	151			154	168	173	174	179	
Package dimensions L x W x H	mm	600 x 650 x 1100								

* 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.