

X-Floc Insulation Blowing Machines: Comparison / Technical Data



Series	EM100	Minifant M99			Zellofant M95				EM300 ^(*) ⁽⁸⁾			EM400/440		EM500	
Machine model	EM100-230V-2.0kW	M99E-230V-3.6kW	M99E-DS-230V-3.6kW	M99E-DS-Pro-230V-3.6kW	M95-230V-3.6kW	M95-2x230V-4.7kW	M95-400V-4.7kW	M95-400V-6.7kW	EM320-400V-7.0kW ^(*)	EM340-400V-7.3kW ^(*)	EM360-400V-7.3kW ⁽⁸⁾	EM400-7.5kW	EM440-10.5kW	EM500-400V-7.5kW	
Image															
Power/Material processing speed ⁽¹⁾	320kg/h	550kg/h		600kg/h	650kg/h	750kg/h	850kg/h	1050kg/h	1050kg/h	1200kg/h	1300kg/h	1400kg/h	1600kg/h	1800kg/h	
Hopper	0,145m ³	0,2m ³			0,44m ³ (0.3m ³ with shorter hopper)				0,315m ³			1,0m ³		0,4m ³	
Airlock outlet diameter	NW63 / (2 1/2")	NW63 / (2 1/2") ⁽³⁾			NW75 / (3") ⁽³⁾				NW75 (3") ⁽³⁾			NW75 / (3") ⁽³⁾		NW75 / (3") ⁽³⁾	
Dimensions (LxWxH)	600x500x1300mm	640x640x1400mm			Ø880x1500mm (ØxH)				990x830x1740mm			1300x1015x1800mm		1520x800x1300mm	
Unladen weight	105kg	110kg	120kg	120kg	155kg	160kg	165kg	185kg	200kg	200kg	210kg	410kg	420kg	390kg	
Filling height	1300mm	1400mm			1500mm				1250mm			1260mm		860mm	
Airlock ventilation	-	✓			✓				✓			✓		✓	
Dust removal equipment	-	-			✓ (optional)				✓			✓		✓	
Machine control	3 channel (FFB400 optional) 	KFB30 	FFB400 	⁽²⁾ KFB2000, 	FFB2000 	KFB2000 / FFB2000 (external battery) Air power L= 1-10 levels Material flow volume M=1-10 levels Dynamic pressure control Automatic shut-down Switching function for material activation Turn-on time delay: 1 second Turn-off time delay: n.a. Susceptibility: low (<5%)						FFB2000-Pro (internal battery) Air power L= 1-9 levels Material flow volume M=1-19 levels Dynamic pressure control (configurable) Automatic shut-down (configurable) Switching function for material activation Turn-on time delay : configurable Turn-off time delay: configurable Susceptibility: minimal (<1%)			
Material conditioning	2 horizontal agitator shafts	Rotating agitator with shredder arms			2-leveled agitator with rotating shredder arm, replaceable grid and rake unit (shredder available as additional module)				Miller and shredder shaft			4 shredder shafts and an additional shredder with two shafts		3 horizontal conditioning shafts	
Shredder	-	-			✓ optional				✓			✓		-	
Airlock material	Sheet steel	Stainless steel			Stainless steel				Stainless steel			Steel		Stainless steel	
Airlock feed gate	✓ 14 positions	✓ 17 positions, manual adjustment			✓ 14 positions, manual adjustment (optional)				✓ Stepless adjustment			✓ 19 positions, electric and manual adjustment		✓ 19 positions, remote controlled (optional)	
Adjustable airlock rotational speed	-	-	✓	✓	✓ 19 speeds, remote controlled				✓ 19 speeds, remote controlled			✓ 19 speeds, remote controlled (optional)		✓ 19 speeds, remote controlled (optional)	
Dynamic pressure control	-	-	-	✓	✓				✓			✓		✓	
Pressure relief valve	-	-			-				✓ (optional)			✓ (optional)		✓ (optional)	
Air feed unit	Radial compressor	High-powered centrifugal fans 1,2+1,4kW			High-powered centrifugal fans				High-powered centrifugal fans	High-powered turbine	High-powered turbine			High-powered turbine	
Air feed amplification, 2.8kW or 3.0kW	-	Optional external amplification			Optional external amplification				Optional external amplification			Optional external amplification	Integrated	Optional	
Operating temperature	-10 - +30°C	-10 - +30°C			-10 - +30°C				-10 - +30°C			-10 - +30°C		-10 - +30°C	
Air flow volume (max.)	20 - 170m ³ /h	100 - 360m ³ /h			250m ³ /h	280m ³ /h	300m ³ /h	400m ³ /h	490 m ³ /h	460 m ³ /h	450 m ³ /h	450m ³ /h	680m ³ /h	450m ³ /h	
Conveying height ⁽¹⁾ without / with amplifier (max.)	15m	20m / 40m			25m / 40m	30m / 45m	30m / 45m	35m / 50m	30m / 45m	35m / 50m	40m/55m	35m / 50m	- / 50m	35m / 50m	
Hose length (max.)	40m	80m			80m	150m	150m	180m	130m	180m	150m	150m	180m	180m	
Adjustable conveying pressure(max.)	240mbar	320mbar			300mbar	380mbar	380mbar	380mbar	370mbar	400mbar	500 mbar	480mbar	480mbar	480mbar	
Installed adjustable air flow power	1.3kW	2x1.4kW			2x1.2kW	2x1.6kW	2x1.6kW	3x1.6kW	1x1.5+2x1.8kW	3x1.8kW	5.5kW	5.5kW	5.5kW + 2x1,4kW	5.5kW	
Installed motor power	0.75kW	0.75kW			1.25kW	1.5kW	1.5kW	1.85kW	1.85kW	1.85kW	1.85kW	2.0kW	2.0kW	2.0kW	
Power rating	2.0kW	3.6kW			3.6kW	4.7kW	4.7kW	6.7kW	7.0kW	7.3kW	7.4kW	7.5kW	10.5kW	7.5kW	
Electrical connection	230V/50Hz/10A	230V/50Hz/16A (10A possible with a blower)			230V/50Hz/16A	2x230V/50Hz/16A ⁽⁷⁾		400V/50Hz/16A		2x230V/50Hz/16A ⁽⁷⁾	400V/50Hz/16A/N/PE		400V/50Hz/16A/PE	400V/50Hz/16A+1x230V/50Hz/16A	400V/50Hz/16A/PE
Material packing density (max.)	145kg/m ³	145kg/m ³			145kg/m ³		165kg/m ³		220kg/m ³			200kg/m ³		175kg/m ³	

Note: All specifications approximate

*1) Depending on the insulation material and insulating process used. Data based on average results obtained using cellulose insulation material

*2) KFB2000, FFB2000 and FFB2000-Pro: few modified functions for M99E-DS-Pro

*3) Direct reduction to NW63 (2 1/2") or NW50 (2") possible

*4) Varies greatly depending on type of insulation material used

*5) To be released at the beginning of 2013

*6) Alternatively can be adjusted to 19 levels by remote control

*7) Operation with 1 x 230V/50Hz/16A with reduced air power possible

*8) Available from mid 2013

For prices please contact info@x-floc.co.uk or call 0044 (0)1938 500643
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Machine- insulation Compatibility Table



Series	EM100				Minifant M99				Zellofant M95								EM300	EM400/440				EM500																																																					
Machine model	EM100-230V-2.0kW				M99E-230V-3.6kW				M99E-D5-230V-3.6kW		M99ED5-Pro-230V-3.6kW		M95-230V-3,6kW		M95-2x230V-4.7kW		M95-400V-4.7kW		M95-400V-6.7kW		EM320, -340, -360	EM400-7.5kW		EM440-10.5kW		EM500-7.5kW																																																	
Image																																																																											
Cellulose insulation materials	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F										
Suitability	1	3	4	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Examples: Isofloc L, isofloc LW, Dämmstätt, Finefloc, Climafloc, Pavafloc, Climatizer Plus, isodan CI 040, Thermofloc, Unifloc, isocell, Wolfinger Dämmzellulose, Austrozell, Ekofiber, Bellouate, Cellisol, Isol'quate, Klima-Tec-Flock, Poesis-Floc, Biocell, NR Gaia, Univercell, Ouateco, Warmcell, Biocell, iCell, Isofiber, Termex, Selluvilla, Ekovilla, Cellaouate, Isoprof, Franceouate, Ecoce, Nesocell, Ecovata, Greenfiber, Cel-Pak, Arctic Fiber, Mono-Therm, Norhern Fiber, United Fibers, igloo, iglu, Applegate, EC cellulose, Forest wool, Nu-Wool, Fiberlite, Advanced Fibre cellulose, Champion, Zellofix, etc.																																																																											
Wood fibre insulation materials	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F										
Suitability ¹⁾	3	4	4	4	4	2	2	1	3	2	2	2	2	1	2	2	2	2	3	2	2	2	2	3	2	2	3	3	3	2	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1
Notes:						*2)					*2)					*2)					*2) *4)					*2) *4)					*2) *4)					*2) *4)																																							
Examples: Steicozell, Thermofibre, Thermocell, Termoträ, Jasmin, HOIZ, etc.																																																																											
Mineral fibre insulation materials	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F										
Suitability ¹⁾	4	4	4	4	4	2	3	3	3	3	2	2	2	1	2	2	2	2	3	2	2	3	3	3	3	1	2	2	3	2	1	1	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1
Notes:											*2) *3)					*2) *3)					*2) *3)																																																						
Examples: Rockwool, Ecofibre BLT3 – BLT5 – BLT9, Paroc BLT7, Supafil Wall 034, Supafil Loft 045, Greenguard, Comblissimo, Rathifloc, Astratherm, Isomat, Teko-Flock, Indi-Flock, Dossolan Thermique, Fibrexpan, Ecofibre KD,																																																																											
Mineral granules	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F										
Suitability ¹⁾	2	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
Examples: SLS20, Hyperlite, Hyperdämm, Thermoperl, Thermofill S – S40, Bachl Perlite, Perli-Fil, Perlifill-F, Extraperl H4, Fillrock KD, Isomat ISG, Liapor, etc																																																																											
EPS granules	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F										
Suitability ¹⁾	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3															
Notes:											*2)					*2)					*2)																																																						
Examples: H2 Wall, Rigidbead, HK35, HK33, Neopor, Joma Perl, Rathipur KD, Bodiflock XPS, EASY-FILL 034 – 033, DämmPerl 035, Granublow 035,																																																																											
Other insulation materials	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F	A	B	C/D	E	F															
Suitability ¹⁾	4	4	4	4	4	2	3	3	3	3	2	2	2	1	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	1	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1	3	2	1	1	1					
Examples: Agricell (Gras), Aerogel (Nanogel), Duroolan, Duroperl 35, HDW ED (Hanf), etc.																																																																											
Suitability	1 Extremely well suited / Best machine choice					2 Well suited					3 Recommended with limitations					4 Not recommended					○ Not applicable																																																						
Insulating process	A: Open blowing										D: Injection with ventilated lance technology																																																																
For an illustration of insulating processes, see graphics below	B: Dry injection										E: Damp spray / CSO					F: Cavity wall insulation																																																											
	C: Injection with ventilated rotary nozzle technology										D: Injection with ventilated lance technology																																																																

1) Examples are not exhaustive. Is your product listed? If not, please contact us.
 *2) An additional air amplifier station may be required

*3) An additional shredder may be required
 *4) An additional material refiner may be required

Insulating process

