



Technical characteristics / FM20

	FM20	FM20P
Uses	Wool, Long staple chemical fibres, blends	Wool, long staple fibres, blends
Feed	Creel for cans of dia. 400 to 700 mm single or double end	Creel for cans dia. 400, 500, 600, 700 mm single end or double end
Number of bobbins	12,16,20 or 24	None
Number of cans	None	4, 6 or 8
Pitch	355 mm	355 mm
Rovings per bobbin	2	2/4
Tubes	FM20L: length 300 mm - dia. 70 mm FM20S: length 243 mm - dia. 70 mm	None
Cans	None	Dia. 500 mm / height 1000 mm
Bobbin diameter	Max. 300 mm	None
Bobbin weight	FM20L: up to 4.5 kg according to material FM20S: up to 3.8 kg according to material	None
Drafting system type	double apron	Double apron
Maximal load	12 to 15 ktex according to material	Up 16 ktex according to the material
Doubling	1 or 2	1 or 2
Feed cylinder diameter	40 mm	40 mm
Draft cylinder diameter	25 mm and 50 mm	25 and 50 mm
Pressure cylinder diameter	65 mm	65 mm
Pressure on draft cylinders	80 daN (4 bars) with pneumatic jack	85daN (3 bars)
Total nip	327.5 mm	327.5 mm
Draft range	6.88 to 19.95	6.88 to 19.95
Weight delivery roving	A: 0.2 to 1.5 ktex / 5 to 0.66 Nm	0.3 à 2 ktex / 3.3 à 0.5 Nm
Rubbing speed	1200 cycles /min	1 horizontal zone 1200 cycles/min
Number of rubs	5 - 6 - 7 rubs/m	5 - 6 - 7 rubs/m
Stop motion	Electronic, without contact with the material, adapted to the process of any material	Electronic, without contact with the material, adapted to the process of any material
Delivery speed	220 m/min according to the material	Up to 220 m/min according to the material
Compressed air	Should be dry, free from water and oil traces Pressure: 6 bars Consumption: 1 Nm ³ /h	Should be dry, free from water and oil traces Pressure: 6 bars Consumption: 1 Nm ³ /h
Main motor power	12 bobbins: 11 kW 16 and 20 bobbins: 15 kW 24 bobbins: 18.5 kW	11 kW (4 cans and 6 cans) 15 kW (8 cans)
Suction motor power	7.5 kW	7.5 kW

Total installed power	12 bobbins: 18.5 kW 16 and 20 bobbins: 22.5 kW 24 bobbins: 26 kW	18.5 kW (4 cans and 6 cans) 22.5 kW (8 cans)
Net weight	12 bobbins : 4700 kg 16 bobbins : 5300 kg 20 bobbins : 5900 kg 24 bobbins : 6500 kg	5000 kg (4 cans) 6200 kg (6 cans) 7300 kg (8 cans)

*All solutions and technical data subject to change. Performance depends on running configurations, applications and fibres.