

## Technical characteristics / FMV50

Uses	Wool, Long staple synthetic fibres, blends
Feed	Creel for cans of dia. 400 to 800 mm single or double end
Number of bobbins	12,16,20 or 24
Pitch	450 mm
Rovings per bobbin	2
Tubes	FMV50S: length 300 mm – dia. 70 mm FMV50L: length 330 mm – dia. 70 mm
Bobbin diameter	Max. 300 mm
Bobbin weight	FMV50S: up to 4.5 kg according to material FMV50L: up to 6 kg according to material
Drafting system type	Interchangeable A: Long - apron and 3 barrels B: Short - double apron C: Short - apron and 2 barrels
Maximal load	A: 8.5 to 18 ktex according to material B: 5.8 to 14 ktex according to material C: 8.5 to 18 ktex according to material
Doubling	1 or 2
Feed cylinder diameter	40 mm
Draft cylinder diameter	25 mm - 50 mm
Pressure cylinder diameter	65 mm
Pressure on draft cylinders	80 daN (4 bars) with pneumatic jack
Total nip	A: 205 – 260 mm B: 145 – 260 mm C: 130 – 260 mm
Mini. Distance between draft cylinder and apron	31 mm
Draft range	7 to 21
Weight delivery roving	A: 0.2 to 1.5 ktex / 5 to 0.66 Nm B: 0.16 to 0.66 ktex / 6 to 1.5 Nm C: 0.16 to 1.5 ktex / 6 to 0.66 Nm
Rubbing speed	1500 cycles /min
Number of rubs	2.5 to 10 rubs/m
Stop motion	Electronic, without contact with the material, adapted to the process of any material
Delivery speed	275 m/min (12 – 16 bobbins) according to the material 250 m/min (20 – 24 bobbins) according to the material
Compressed air	Should be dry, free from water and oil traces Pressure: 6 bars Consumption: 3 Nm <sup>3</sup> /h
Main motor	Asynchronous with frequency inverter
Total installed power	58 kW
Net weight	12 bobbins: 8,650 kg 16 bobbins: 10,100 kg 20 bobbins: 11,600 kg 24 bobbins : 13050 kg
Packed Volume	12 bobbins : 43 m <sup>3</sup> 16 bobbins : 43 m <sup>3</sup> 20 bobbins : 50 m <sup>3</sup> 24 bobbins : 50 m <sup>3</sup>

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