

Technical Data CMS 520 HP

Knitting Unit	
Carriages / knitting systems	1 x 2
Combined knitting-transfer systems with split function [01]	2
Electronic wear-free selection systems with 2 selection points	6
Dynamic tension setting with step motors. Extremely quick adjustments of stitch tension with PTS (Power Tension Setting).	●
Drive / Racking	
Main drive: programmable speed; variable stroke; Power-RCR-System (Rapid Carriage Return); flexible speed adjustment using starting bar; CFC-protective system (Carriage Force Control)	●
Max. knitting speed (m/s) [02]	1,2
Racking: Racking course max. 4", programmable racking speed	●
Needle bed	
Nominal width / max. working width, in inches (cm)	50 (127)
Gauges [03]	E 5 – 18
Gauge conversion [04]	E 5 – 18
Fixed knockover bits	●
Moveable holding-down sinkers on both needle beds	●
Peleryne spring-transfer needle with spring-loaded latch	●
Needle detector	●
Needle exchange [05]	○
Thread clamping and cutting device, 8 per side	●
Illuminated working space	●
Shock stop motion, front / rear	● ●
Yarn guide	
Yarn control units [06]	16 14 12
Active thread clamp left / right	● ●
Lateral yarn tensioners with scale and following permanent thread break, left / right	12 12
Thread deflectors for optimum yarn guidance	●
Yarn feeder rail / yarn feeder	4 10
Intarsia yarn feeder	○
Plating kit consisting of plating yarn feeder and bobbin holder	○
2 holders for 4 bobbins each	○
Additional holders for bobbins, mounted on the rear side of the machine	○
Yarn feed unit	
Friction feed wheel, 8 tracks each left / right	● ●
Storage feed wheel, max. 2 x 3 [07]	○
ASCONE® – Stitch Calibration System, 8 measurement points, left / right [08]	○ ●
Stoll-multiflex® fabric take-down system	
Main take-down: Tangential method of functioning, adjustable individual roller segments	●
Upper take-down	●
Take-down comb for start of fabric on empty needles	●
Control system / Data processing	
Memory (main computer)	256 MB
Stoll-touchcontrol®: moveable display slide with touchscreen; colour display 800 x 600 pixels	●
2 USB ports: hard-drive: Online via Ethernet	●
Battery back-up: correct continuation of the knitting process after power failure	●
Safety devices	
Fully enclosed working area	●
Machine complies with EC-regulations (CE-mark)	●
Machine status lamp	●
Cleaning device	
Suction device with turbine; with cleaning brush on suction tube	●
Dimensions / Weights	
Length: unpacked in the case on pallet, approx. in mm	2700 3288 3288
Width: unpacked in the case on pallet, approx. in mm	909 1150 1102
Height: unpacked in the case on pallet, approx. in mm	2050 1938 1810
Weight: net gross with cage gross with pallet, approx. in kg	1220 1770 1410
Connection value, depending on operating status (kW)	2,0

- Standard equipment
- Special equipment

[01] All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

[02] Depends on yarn and pattern structure.

[03] Gauges E 5 | 7 | 8 | 10 | 12 | 14 | 16 | 18

[04] Conversion possible to a CMS 520 multi gauge.

[05] With needle gauge

Machine gauge E 5 ○4 | ●5

Machine gauge E 7 ○5 | ●7 | ○8

Machine gauge E 8 ○7 | ●8

Machine gauge E 10 ●10 | ○12

Machine gauge E 12 ○10 | ●12

Machine gauge E 14 ●14

Machine gauge E 16 ●16

Machine gauge E 18 ●18

[06] For gauge E 5-8, E 10 and higher

[07] Requires transformer, not in combination with ASCONE®.

As standard feature for gauges E 16 and 18.

[08] System for measuring and regulating the stitch length.

We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing 01/12-E.