

Technical Data CMS 822 HP knit&wear

Knitting Unit	
Carriages / knitting systems	2 x 2
Combined knitting-transfer systems with split function [01]	4
Electronic wear-free selection systems with 2 selection points	12
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)	84 (213)
In tandem version max. inches (cm)	2 x 42 (107)
Gauges	E 2,5.2 3,5.2 5.2 6.2 7.2
Gauge conversion [03]	E 2,5.2 – 5.2 ; E 6.2 – 7.2
Knockover bits	●
Moveable holding-down jacks on both needle beds	●
Pelerine spring-transfer needle with spring-loaded latch	●
Needle detector	●
8 thread clamping and cutting device, left right	● ●
Illuminated working space	●
Shock stop motion, front / rear	● ●
Central lubrication of needle bed elements and carriage slide bars	○
Yarn guide	
Yarn control units	32 26 20 [04]
Active thread clamp left / right	● ●
Lateral yarn tensioners with scale, left right	12 12
Lateral thread break, left right	8 8
Thread deflectors for optimum yarn guidance, left right	● ●
Yarn carrier rail yarn carrier	4 16
Intarsia yarn carrier	○
Plating kit consisting of plating yarn carrier and bobbin holder	○
2 additional holders for 5 bobbins each	● ○ [05]
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 [06]	○
ASCONE® – Stitch Calibration System, 8 measurement points, left / right [07]	○ ○
Stoll-multiflex® fabric take-down system	
Main take-down	●
Upper take-down	●
Comb take-down	●
Control system / Data processing	
Memory (main computer)	256 MB
Stoll-touchcontrol®: moveable colour display slide with touchscreen 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 suction tube	●
Dimensions / Weights	
Length: unpacked in the case on pallet, approx. in mm	4025 4488 4488
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	1670 2430 1930
Connection value, depending on operating status (kW)	2,6

- Standard equipment
- Optional 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] Conversion possible to a CMS 822 HP or CMS 822 HP Multi gauge.
- [04] For gauges E 2,5.2 – 5.2 | 6.2 | 7.2
- [05] For gauges E 2,5.2 - 5.2 | E 6.2 and higher.
- [06] Requires transformer, not in combination with ASCONE®.
- [07] 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 02/14-E.