

**Technical Data CMS 822 HP**

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 5   7   8   10   12   14   16   18
Gauge conversion [03]	E5 - 8 ; E10 - 18
Knockover bits	●
Moveable holding-down jacks on both needle beds	●
Pelerine spring-transfer needle with spring-loaded latch	●
Needle detector	●
Needle exchange [04]	○
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 [05]
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	●
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	●   ○ [06]
Additional holders for bobbins, mounted to 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	●
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 multi gauge or CMS 822 HP knit&wear.

[04] 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
Machine gauge E 12	○10   ●12
Machine gauge E 14	●14
Machine gauge E 16	●16
Machine gauge E 18	●18

[05] For gauges E 5 | 7 - 8 | 10 and higher.

[06] For gauges E 5 | 7 - 18.

[07] Requires transformer, not in combination with ASCONE®. As standard feature for gauge E-16 and 18.

[08] System for measuring and regulating the stitch length.  
● | ● E 16 | E 18

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.