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) In tandem version max. inches (cm)	84 (213) 2 x 42 (107)
Gauges [03]	E 5 – 18
Gauge conversion [04]	E 5 – 18
Fixed knockover bits	●
Moveable holding-down jacks on both needle beds	●
Pelerine 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]	32 | 26 | 20
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 | 16
Intarsia yarn feeder	○
Plating kit consisting of plating yarn feeder and bobbin holder	○
2 additional holders for 5 bobbins each [07]	● | ○
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 [08]	○
ASCON® – Stitch Calibration System, 8 measurement points, left / right [09]	● | ●
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	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
○ 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 822 HP multi gauge or CMS 822 HP knit&wear.
[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 gauges E 5 | 7 + 8 | 10 and higher.
[07] For gauges E 5 | 7 and higher.
[08] Requires transformer, not in combination with ASCON®. As standard feature for gauge E 16 and 18.
[09] 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.