

Technical Data CMS 530 HP

Knitting Unit		
Carriages / knitting systems	1 x 3	● Standard equipment
Combined knitting-transfer systems with split function [01]	3	○ Special equipment
Electronic wear-free selection systems with 2 selection points	8	[01] All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.
Dynamic tension setting with step motors. Extremely quick adjustments of stitch tension with PTS (Power Tension Setting).	●	[02] Depends on yarn and pattern structure.
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)	●	[03] Conversion possible to a CMS 530 HP Multi gauge or CMS 530 Knit&Wear.
Max. knitting speed (m/s) [02]	1,2	[04] With needle gauge
Racking course max. 4"; programmable racking speed	●	Machine gauge E 5 ○4 ●5
Needle bed		
Nominal width / max. working width, in inches (cm)	50 (127)	Machine gauge E 7 ○5 ●7 ○8
Gauges	E 5 7 8 10 12 14 16 18	Machine gauge E 8 ○7 ●8
Gauge conversion [03]	E 5 - 7 / E10 - 18	Machine gauge E 10 ●10 ○12
Knockover bits	●	Machine gauge E 12 ○10 ●12
Moveable holding-down sinkers on both needle beds	●	Machine gauge E 14 ●14
Pelerine spring-transfer needle with spring-loaded latch	●	Machine gauge E 16 ●16
Needle detector	●	Machine gauge E 18 ●18
Needle exchange	○ [04]	[05] E 5-8 E10 and higher.
8 thread clamping and cutting device, left right	● ●	[06] ● E5-8
Illuminated working space	●	○ E10 and higher.
Shock stop motion, front rear	● ●	[07] Requires transformer, not in combination with ASCON®.
Central lubrication of needle bed elements and carriage slide bars	○	[08] System for measuring and regulating the stitch length.
Yarn guide		
Yarn control units	20 14 [05]	[09] - ● E16 + E18
Active thread clamps 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 12	
Intarsia yarn carrier	○	
Plating kit consisting of plating yarn carrier and bobbin holder	○	
Devoré knit device	○	
Plush device	○	
2 additional holders for 4 bobbins each	● / ○ [06]	
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]	○	
ASCON® - Stitch Calibration System, 8 measurement points, left right [08]	○ ○ [09]	
Stoll-multiflex® fabric take-down system		
Main take-down	●	
Upper take-down	●	
Take-down comb	●	
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	2700 2970 2970	
Width: unpacked in the case on pallet, approx. in mm	909 1140 1102	
Height: unpacked in the case on pallet, approx. in mm	2050 1900 1800	
Weight: net gross with cage gross with pallet, approx. in kg	1240 1790 1430	
Connection value, depending on operating status (kW)	2,3	

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.