

Technical Data CMS ADF-3

Knitting Unit	
Carriages / knitting systems	1 x 3
Combined knitting-transfer systems with split function [01]	3
Electronic wear-free selection systems with 2 selection points	8
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	E 10 – 18 [03]
Gauge conversion	E 10 – 18 [04]
Knockover bits	●
Moveable holding-down sinkers on both needle beds	●
Pelerine spring-transfer needle with spring-loaded latch	●
Needle detector	●
Needle exchange	○
16 thread clamping and cutting device, left right	● ●
Illuminated working space	●
Shock stop motion, front / rear	● ●
Yarn guide	
Yarn control units	32
Yarn feeder rail / yarn feeder	8 32
Holders for bobbins, mounted on the rear side of the machine	● [05]
Plush device	○
Devoré knit device	○
Thread deflectors for optimum yarn guidance, left right	○ ○
Electronic active thread clamp 8 left 8 right	○ ○
Lateral yarn tensioners with scale and following permanent thread break, 8 left 8 right	○ ○
Option Yarn feed unit	
Friction feed wheel, 8 tracks each, left right [06]	○ ○
Storage feed wheel, max. 2 x 3 [07]	○
ASCON® – 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 10,1" 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	3080 3540 3540
Width: unpacked in the case on pallet, approx. in mm	1203 1138 1102
Height: unpacked in the case on pallet, approx. in mm	1810 2218 2010
Weight: net gross with cage gross with pallet, approx. in kg	1490 1905 1605
Connection value, depending on operating status (kW)	2,3

- 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 E10 | 12 | 12m.10 | 14 | 14/12 | 16 | 18 | 18m.16

[04] Conversion possible to a CMS ADF-3 Multi gauge

[05] 6 holders with 4 bobbins each

[06] Only in combination with lateral yarn feeding

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

Only in combination with lateral yarn feeding

[08] System for measuring and regulating the stitch length

Only in combination with lateral yarn feeding

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.