

Knitting Unit	CMS ADF 32	CMS ADF 32 B	CMS ADF 32 W	CMS ADF 32 BW
Carriages knitting systems	1x3	1x3	1x3	1x3
Combined knitting-transfer systems with split function ¹	3	3	3	3
Electronic wear-free selection systems with 2 selection points	8	8	8	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) ²	1,2	1,2	1,2	1,2
Max. knitting speed by empty rows (m/s)	1,5	1,5	1,5	1,5
Racking course max. 4", programmable racking speed	●	●	●	●
Needle bed				
Nominal width max. working width, in inches (cm)	50 (127)	50 (127)	50 (127)	50 (127)
Gauges ³	E10-18 E6.2-8.2	E10-18 E6.2-8.2	E10-18 E6.2-8.2	E10-18 E6.2-8.2
Gauge conversion ⁴	E10-18 E6.2-8.2	E10-18 E6.2-8.2	E10-18 E6.2-8.2	E10-18 E6.2-8.2
Fixed knockover bits	●	●	●	●
Moveable holding-down sinkers on both needle beds	●	●	●	●
Pelerine spring-transfer needle with spring-loaded latch	●	●	●	●
Needle detector	●	●	●	●
Needle exchange	○	○	○	○
Thread clamping and cutting devices, left right	16 16	16 16	16 16	16 16
Illuminated working space	●	●	●	●
Shock stop motion, front rear	● ●	● ●	● ●	● ●
Plush device	○	○	○	○
Devoré knit device ⁵	○	○	○	○
Yarn guide				
Yarn control units	32	32	32	32
Yarn carrier rail yarn carriers	8 32	8 32	8 32	8 32
Bypass kit for coarse weft yarns ⁶	-	-	●	●
Holders for bobbins, mounted on the rear side of the machine ⁷	●	●	●	●
Lateral thread feeding ⁸	○	○	○	○
Mounting kit storage feed wheel (2 x 5 max.) ⁹	○	○	○	○
ASCON® ¹⁰	○	○	○	○

Fabric take-down system	CMS ADF 32	CMS ADF 32 B	CMS ADF 32 W	CMS ADF 32 BW
Stoll-multiflex®	●	-	●	-
Belt take-down	-	●	-	●
Auxiliary take-down	●	-	●	-
Comb take-down	●	-	●	-
Control system Data processing				
Stoll-touchcontrol®: moveable display slide with 12,1" touchscreen; colour display	●	●	●	●
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 with alarm buzzer	●	●	●	●
Cleaning device				
Suction device with turbine; with suction tube	●	●	●	●
Dimensions Weights				
Length: unpacked in the case on pallet, approx. in mm	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540
Width: unpacked in the case on pallet, approx. in mm	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102
Height: unpacked in the case on pallet, approx. in mm	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010
Weight: net gross with case gross with pallet, approx. in kg	1490 1905 1605	1370 1785 1485	1495 1910 1610	1375 1790 1490
Power				
Connection value, depending on operating status (kW) ¹¹	2,3	2,3	2,3	2,3
Voltage connection AC 230V/400V +/- 10%	●	●	●	●

- Standard equipment
- Special equipment

¹ All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

² Depends on yarn and pattern structure.

³ Gauges E 10 | 12 | 12m.10 | 14 | 14/12 | 16 | 18 | 18m.16 | 6.2 | 7.2 | 8.2

⁴ Conversion possible to multi gauge and vice versa

⁵ For gauges E 10 | 12 | 14 | 7.2

⁶ For gauges E10 - 14 and 6.2:
2x yarn carrier with eyelet E3,5,2
2x Bypass for E3,5,2
2 x yarn control unit for E3,5,2
For gauges E16 - 18:
2x yarn carrier with eyelet E6.2
2x Bypass for E6.2
2 x yarn control unit for E6.2

⁷ 6 holders with 4 bobbins each

⁸ The lateral thread feeding includes:
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 brake, 8 left | 8 right

⁹ Requires transformer and lateral thread feeding, not in combination with ASCON®

¹⁰ Requires lateral thread feeding

¹¹ The electric power consumption during

knitting depends always on the gauge and working conditions and will be considerably lower than the connection value indicated

Further special equipment on request. *We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing 04/16-E.*

Knitting Unit	CMS ADF 16	CMS ADF 16 B	CMS ADF 16 W	CMS ADF 16 BW
Carriages knitting systems	1x3	1x3	1x3	1x3
Combined knitting-transfer systems with split function ¹	3	3	3	3
Electronic wear-free selection systems with 2 selection points	8	8	8	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) ²	1,2	1,2	1,2	1,2
Max. knitting speed by empty rows (m/s)	1,5	1,5	1,5	1,5
Racking course max. 4", programmable racking speed	●	●	●	●
Needle bed				
Nominal width max. working width, in inches (cm)	50 (127)	50 (127)	50 (127)	50 (127)
Gauges	E5-18 ³ E2,5.2-8.2	E5-18 ⁴ E2,5.2-8.2	E10-18 ⁵ E6.2-8.2	E10-18 ⁶ E6.2-8.2
Gauge conversion ⁷	E5-8 E2,5.2-3,5.2 E6.2-8.2 E10-18	E5-8 E2,5.2-3,5.2 E6.2-8.2 E10-18	E10-18 E6.2-8.2	E10-18 E6.2-8.2
Fixed knockover bits	●	●	●	●
Moveable holding-down sinkers on both needle beds	●	●	●	●
Pelrine spring-transfer needle with spring-loaded latch	●	●	●	●
Needle detector	●	●	●	●
Needle exchange	○	○	○	○
Thread clamping and cutting devices, left right	8 8	8 8	8 8	8 8
Illuminated working space	●	●	●	●
Shock stop motion, front rear	● ●	● ●	● ●	● ●
Plush device	○	○	○	○
Devoré knit device ⁸	○	○	○	○
Yarn guide				
Yarn control units	16	16	16	16
Yarn carrier rail yarn carriers	4 16	4 16	4 16	4 16
Bypass kit for coarse weft yarns ⁹	-	-	●	●
Holders for bobbins, mounted on the rear side of the machine ¹⁰	●	●	●	●
Lateral thread feeding ¹¹	○	○	○	○
Mounting kit storage feed wheel (2 x 5 max.) ¹²	○	○	○	○
ASCONE ¹³	○	○	○	○

Fabric take-down system	CMS ADF 16	CMS ADF 16 B	CMS ADF 16 W	CMS ADF 16 BW
Stoll-multiflex®	●	-	●	-
Belt take-down	-	●	-	●
Auxiliary take-down	●	-	●	-
Comb take-down	●	-	●	-
Control system Data processing				
Stoll-touchcontrol®: moveable display slide with 12,1" touchscreen; colour display	●	●	●	●
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 with alarm buzzer	●	●	●	●
Cleaning device				
Suction device with turbine; with suction tube	●	●	●	●
Dimensions Weights				
Length: unpacked in the case on pallet, approx. in mm	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540
Width: unpacked in the case on pallet, approx. in mm	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102
Height: unpacked in the case on pallet, approx. in mm	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010
Weight: net gross with case gross with pallet, approx. in kg	1380 1795 1495	1260 1675 1375	1385 1800 1500	1265 1680 1380
Power				
Connection value, depending on operating status (kW) ¹⁴	2,3	2,3	2,3	2,3
Voltage connection AC 230V/400V +/- 10%	●	●	●	●

- Standard equipment
- Special equipment

¹ All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

² Depends on yarn and pattern structure.

³ Gauges CMS ADF 16:
E 5 | 7 | 2,5.2 | 3,5.2 | 10 | 12 | 12m.10 | 14 | 14/12 | 16 | 18 | 18m.16 | 6.2 | 7.2 | 8.2
4L-needle also possible for gauges E 2,5.2 and E 3,5.2

⁴ Gauges CMS ADF 16 B:
E 5 | 7 | 2,5.2 | 3,5.2 | 10 | 12 | 12m.10 | 14 |

14/12 | 16 | 18 | 18m.16 | 6.2 | 7.2 | 8.2
4L-needle also possible for gauges E 2,5.2 and E 3,5.2

⁵ Gauges CMS ADF 16 W:
E 10 | 12 | 12m.10 | 14 | 14/12 | 16 | 18 | 18m.16 | 6.2 | 7.2 | 8.2

⁶ Gauges CMS ADF 16 BW:
E 10 | 12 | 12m.10 | 14 | 14/12 | 16 | 18 | 18m.16 | 6.2 | 7.2 | 8.2

⁷ Conversion possible to multi gauge and vice versa

⁸ For gauges E 10 | 12 | 14 | 7.2

⁹ For gauges E10 - 14 and 6.2:

2x yarn carrier with eyelet E3,5.2
2x Bypass for E3,5.2
2 x yarn control unit for E3,5.2
For gauges E16 - 18:
2x yarn carrier with eyelet E6.2
2x Bypass for E6.2
2 x yarn control unit for E6.2

¹⁰ 2 holders with 4 bobbins each

¹¹ The lateral thread feeding includes:
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 brake, 8 left | 8 right

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