

Knitting unit	CMS 502 HP+ (multi gauge)	CMS 502 HP+ B (multi gauge)	CMS 520 C+ multi gauge	CMS 530 HP (multi gauge)	CMS 530 HP B (multi gauge)
Carriages   knitting systems		1 × 2	1 × 2		1 × 3
Combined knitting-transfer systems with split function [01]		2	2		3
Electronic wear-free selection systems with 2 selection points		6	6		8
Dynamic tension setting with step motors; extremely quick adjustments of stitch tension with PTS (Power Tension Setting)		●	●		●
<b>Drive   Racking</b>					
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	1.0		1.2
Max. speed by empty rows (m/s)		1.5	1.2		1.5
Racking course max. 4", programmable racking speed		●	●		●
<b>Needle bed</b>					
Nominal width   max. working width, in inches (cm) in tandem version max. inches (cm)		45 (114) -	50 (127) -		50 (127) -
Gauges		E 7-18 [03]   E 2,5,2-8,2 [04]	E 1,5,2   E 2,2		E 5-18 [05]   E 2,5.-8,2 [06]
Gauge conversion		E 10-18 [07]   E 2,5,2-3,5,2; E 6,2-8,2 [08]	E 1,5,2   E 2,2		E 5-8; E 10-18 [09]   E 2,5,2-5,2; E 6,2-8,2 [10]
Knockover bits		●	-		●
Moveable holding-down jacks on both needle beds		●	-		●
Closed spring-loaded holding-down jacks		-	●		-
Pelerine spring-transfer needle with spring-loaded latch		●	●		●
Needle detector		●	●		●
Needle exchange [11]		○ [12]	-		○ [12]
8-fold thread clamping and cutting device, left   right		-   12 fold	●   ●		●   ●
Illuminated working space		●	●		●
Shock stop motion, front   rear		●   ●	●   ●		●   ●
Central lubrication of needle bed elements and carriage slide bars		-	-		○
<b>Dimensions   Weights</b>					
Length: unpacked   in the case   on pallet, approx. in mm		2370   2650   2650	2700   2970   2970		2700   2970   2970
Width: unpacked   in the case   on pallet, approx. in mm		909   1150   1100	909   1140   1100		909   1140   1100
Height: unpacked   in the case   on pallet, approx. in mm		2050   1940   1810	2050   1900   1810		2050   1900   1810
Weight: net   gross with case   gross with pallet, approx. in kg		1028   1333   1108	1250   1578   1343		1240   1568   1333
<b>Control system   Data processing</b>					
STOLL-touchcontrol®: moveable color display slide with touch screen		● [13]	●		●
2 USB ports; hard-drive; online via Ethernet		●	●		●
Battery backup: correct continuation of the knitting process after power failure		●	●		●
<b>Safety devices</b>					
Fully enclosed working area		●	●		●
Machine complies with EC regulations (CE label)		●	●		●
Machine status lamp with alarm buzzer		●	●		●

Yarn guide	CMS 502 HP+ (multi gauge)	CMS 502 HP+ B (multi gauge)	CMS 520 C+ multi gauge	CMS 530 HP (multi gauge)	CMS 530 HP B (multi gauge)
Yarn control units	14 -		24	20   14 [14] 24   20   18 [15]	
Active thread clamps, left   right	-   8		8   8	8   8	
Lateral yarn tensioners with scale, left   right	8   8		12   12	12   12	
Lateral thread brake, left   right	-   8		8   8	8   8	
Thread deflectors for optimum yarn guidance, left   right	●   ●		●   ●	●   ●	
Yarn carrier rail   yarn carrier	4   10		4   12	4   12	
Intarsia yarn carrier	-		○	○	
Plating yarn carrier	● [16]		○	○	
Plating kit consisting of plating yarn carrier and bobbin holder	○		○	○	
Devoré knit device	-		-	○	
Plush device	-		-	○	
Holders for bobbins	-		● (2 × 4)	●   ○ (2 × 4) [17]	
Additional holders for bobbins, mounted on the rear side of machine	-		○ (2 × 4)	○ (2 × 4)	
<b>Yarn feed unit</b>					
Friction feed wheel, 8 tracks each, left   right	○   ●		●   ●	●   ●	
Storage feed wheel [18]	○		-	○	
ASCON®, automatic stitch control, 8 measurement units, left   right [19]	○   ○		○   ○	○   ○ [20]	
<b>Fabric take-down system</b>					
Main take-down	●	-	●	●	-
Upper take-down	●	-	●	●	-
Take-down comb	●	-	●	●	-
Belt take-down	-	●	-	-	●
<b>Cleaning device</b>					
Suction device with turbine; with suction tube	-		●	●	
<b>Power</b>					
Voltage connection	AC 230V +/-10%		AC 230V/400V +/-10%		AC 230V/400V +/-10%
Connection value, depending on operating status (KW: [21])	1.7		2.0		2.3

● 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] Gauges E 7 | 10 | 12 | 14 | 16 | 18

[04] Gauges E 2,5.2 | 3,5.2 | 6.2 | 7.2 | 8.2

[05] Gauges E 5 | 7 | 8 | 10 | 12 | 14 | 16 | 18

[06] Gauges E 2,5.2 | 3,5.2 | 5.2 | 6.2 | 7.2 | 8.2

[07] Conversion possible to a CMS 502 HP multi gauge.

[08] Conversion possible to a CMS 502 HP.

[09] Conversion possible to a CMS 530 HP multi gauge and CMS 530 HP knit and wear.

[10] Conversion possible to a CMS 530 HP and CMS 530 HP knit and wear.

[11] With needle gauge:

Machine gauge E 5 ○ 2,5.2 | ● 5

Machine gauge E 7 ○ 3,5.2 | ○ 5 | ● 7 | ○ 8

Machine gauge E 8 ○ 7 | ● 8

Machine gauge E 10 ● 10 | ○ 12

Machine gauge E 12 ○ 6.2 | ○ 10 | ● 12

Machine gauge E 14 ○ 7.2 | ○ 12 | ● 14

Machine gauge E 16 ○ 8.2 | ● 16 | ○ 18

Machine gauge E 18 ○ 8.2 | ○ 16 | ● 18

[12] 4L needle possible for multi gauge machines.

[13] Not moveable display.

[14] For gauges E 5 – 8 | E 10 and higher.

[15] For gauges E 2,5.2 + 3,5.2 + 5.2 | E 6.2 + 7.2 | E 8.2

[16] 2 extra plating yarn carriers for track 4 and 5 as standard.

[17] For gauges E 5 – 8; E 2,5.2 – 5.2 | E 10 – 18; E 6.2 – 8.2

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

[19] System for measuring and regulating the stitch length.

[20] – | ● E 16; E 18; E 8.2

[21] The electric power consumption during knitting always depends on the gauge and working conditions and will be considerably lower than the connection value indicated.

We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing 10/17-E.

Knitting unit	CMS 530 HP W (multi gauge)	CMS 530 HP BW (multi gauge)	CMS 822 HP (multi gauge)	CMS 933 HP (multi gauge)
Carriages   knitting systems		1 × 3	2 × 2	2 × 3
Combined knitting-transfer systems with split function [01]		3	4	6
Electronic wear-free selection systems with 2 selection points		8	12	16
Dynamic tension setting with step motors; extremely quick adjustments of stitch tension with PTS (Power Tension Setting)		●	●	●
<b>Drive   Racking</b>				
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	1.2	1.2
Max. speed by empty rows (m/s)		1.5	1.5	1.5
Racking course max. 4", programmable racking speed		●	●	●
<b>Needle bed</b>				
Nominal width   max. working width, in inches (cm) in tandem version max. inches (cm)		50 (127) -	84 (213) 2 × 42 (107)	96 (244) 2 × 48 (117)
Gauges		E 10-18 [03]   E 6.2-8.2 [04]	E 5-18 [05]   E 2.5,2-8.2 [06]	E 5-16 [07]   E 2,5,2-8.2 [08]
Gauge conversion		E 10-18 [09]   E 6.2-8.2 [10]	E 5-8; E 10-18 [09]   E 2,5,2-5,2; E 6,2-8,2 [11]	E 5-8; E 10-16 [12]   E 2,5,2-3,5,2; E 6,2-8,2 [13]
Knockover bits		●	●	●
Moveable holding-down jacks on both needle beds		●	●	●
Pelerine spring-transfer needle with spring-loaded latch		●	●	●
Needle detector		●	●	●
Needle exchange [14]		○ [15]	○ [15]	○ [15]
Thread clamping and cutting device, 8 units per side		●   ●	●   ●	-
Illuminated working space		●	●	●
Shock stop motion, front   rear		●   ●	●   ●	●   ●
Central lubrication of needle bed elements and carriage slide bars		○	○	●
<b>Dimensions   Weights</b>				
Length: unpacked   in the case   on pallet, approx. in mm		2700   2970   2970	4025   4490   4490	5100   5460   5460
Width: unpacked   in the case   on pallet, approx. in mm		909   1140   1100	909   1150   1100	1062   1470   1420
Height: unpacked   in the case   on pallet, approx. in mm		2050   1900   1810	2050   1940   1810	2050   2090   1980
Weight: net   gross with case   gross with pallet, approx. in kg		1290   1618   1383	1670   2430   1930	2060   3060   2410
<b>Control system   Data processing</b>				
STOLL-touchcontrol®: moveable color display slide with touch screen		●	●	●
2 USB ports; hard-drive; online via Ethernet		●	●	●
Battery backup: correct continuation of the knitting process after power failure		●	●	●
<b>Safety devices</b>				
Fully enclosed working area		●	●	●
Machine complies with EC regulations (CE label)		●	●	●
Machine status lamp with alarm buzzer		●	●	●

Yarn guide	CMS 530 HP W (multi gauge)	CMS 530 HP BW (multi gauge)	CMS 822 HP (multi gauge)	CMS 933 HP (multi gauge)
Yarn control units	20   18   14 [16]		32   26   20 [17] [18]	36   30   26 [19] [20]
Active thread clamps, left   right	8   8		8   8	8   8
Lateral yarn tensioners with scale, left   right	12   12		12   12	16   16
Lateral thread brake, left   right	8   8		8   8	16   16 [21]
Thread deflectors for optimum yarn guidance, left   right	●   ●		●   ●	●   ●
Yarn carrier rail   yarn carrier	4   12		4   12	4   12
Intarsia yarn carrier	○		○	○
Plating kit consisting of plating yarn carrier and bobbin holder	○		○	○
Devoré knit device	-		-	○
Plush device	-		-	○
Holders for bobbins	○ (2 × 4)		●   ○ (2 × 5) [22]	●   ○ (2 × 7) [22]
Additional holders for bobbins, mounted on the rear side of machine	○ (2 × 4)		○ (2 × 6)	○ (2 × 6)
<b>Yarn feed unit</b>				
Friction feed wheel, 8 tracks each, left   right	●   ●		●   ●	○   ○ [23]
Storage feed wheel [24]	○		○	○
ASCONE®, automatic stitch control, 8 measurement units, left   right [25]	○   ○ [26]		○   ○ [27]	○   ○
<b>Fabric take-down system</b>				
Main take-down	●	-	●	●
Upper take-down	●	-	●	●
Take-down comb	●	-	●	-
Belt take-down	-	●	-	-
<b>Cleaning device</b>				
Suction device with turbine; with suction tube	●		●	●
<b>Power</b>				
Voltage connection	AC 230V   400V +/-10%		AC 400V +/-10%	AC 400V +/-10%
Connection value, depending on operating status (KW: [28])	2.3		2.6	3.0

● 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] Gauges E 10 | 12 | 14 | 16 | 18

[04] Gauges E 6.2 | 7.2 | 8.2

[05] Gauges E 5 | 7 | 8 | 10 | 12 | 14 | 16 | 18

[06] Gauges E 2,5.2 | 3,5.2 | 5.2 | 6.2 | 7.2 | 8.2

[07] Gauges E 5 | 7 | 8 | 10 | 12 | 14 | 16

[08] Gauges E 2,5.2 | 6.2 | 7.2 | 8.2

[09] Conversion possible to multi gauge or knit and wear.

[10] Conversion possible to a CMS 530 HP W/BW or CMS 530 HP W/BW knit and wear.

[11] Conversion possible to a CMS 822 HP or CMS 822 HP knit and wear.

[12] Conversion possible to a CMS 933 HP multi gauge.

[13] Conversion possible to a CMS 933 HP.

[14] With needle gauge:

Machine gauge E 5 ○ 2,5.2 | ● 5

Machine gauge E 7 ○ 3,5.2 | ○ 5 | ● 7 | ○ 8

Machine gauge E 8 ○ 7 | ● 8

Machine gauge E 10 ● 10 | ○ 12

Machine gauge E 12 ○ 6.2 | ○ 10 | ● 12

Machine gauge E 14 ○ 7.2 | ○ 12 | ● 14

Machine gauge E 16 ○ 8.2 | ● 16 | ○ 18

Machine gauge E 18 ○ 8.2 | ○ 16 | ● 18

[15] 4L needle possible for multi gauge machines.

[16] For gauges E 6.2-7.2 | E 8.2 | E 10 or higher.

[17] For gauges E 5 | E 7-8 | E 10-18

[18] For gauges E 2,5.2-5.2 | 6.2 | 7.2-8.2

[19] For gauges E 5 | E 7-8 | E 10-16

[20] For gauges E 3,5.2-5.2 | E 6.2-7.2 | E 8.2

[21] With following permanent thread brake.

[22] For gauges E 5; E 2,5.2-5.2 | E 7-18; E 6.2-8.2

[23] Optional: friction feed wheel, 16 tracks each left/right.

[24] Requires transformer, not in combination with ASCONE®.

[25] System for measuring and regulating the stitch length

[26] - | ● E 18 or higher

[27] ● | ● E 16; E 18; E 8.2

[28] The electric power consumption during knitting always depends on the gauge and working conditions and will be considerably lower than the connection value indicated.

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