

Knitting unit	CMS 502 ki (multi gauge) CMS 502 ki Bc (multi gauge)	CMS 520 ki C multi gauge	CMS 530 ki (multi gauge) CMS 530 ki Bc (multi gauge)	CMS 530 ki W (multi gauge)	CMS 530 ki BcW (multi gauge)
Carriages Combined knitting-transfer systems with split function ¹	1 × 2	1 × 2	1 × 3		1 × 3
Electronic wear-free selection systems with 2 selection points	6	6	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	1.0	1.2		1.2
Max. speed by empty rows (m/s)	1.5	1.2	1.5		1.5
Racking course max. 4", programmable racking speed	●	●	●		●
Needle bed					
Nominal width max. working width, in inches (cm)	45 (114)	50 (127)	50 (127)		50 (127)
Gauges	E 7 - 18 ³ E 2,5,2 - 7,2 ⁴	E 1,5,2 E 2,2	E 5 - 18 ⁵ E 2,5,2 - 8,2 ⁶		E 10 - 18 ⁷ E 6,2 - 8,2 ⁸
Gauge conversion ⁹	○	○	○		○
Knockover bits	●	-	●		●
Moveable holding-down jacks on both needle beds	●	-	●		●
Spring-loaded holding-down jacks	-	●	-		-
Pelerine spring-transfer needle with spring-loaded latch	●	●	●		●
Needle detector	●	●	●		●
Needle exchange ¹⁰	○	-	○		○
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	-	-	○		○
Dimensions Weights					
Length: unpacked in the case on pallet, approx. in mm	2370 2650 2650	2700 2970 2970	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		909 1140 1100
Height: unpacked in the case on pallet, approx. in mm	2050 1940 1810	2050 1900 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		1290 1618 1383
Control system Data processing					
Slide Multi-Touch Panel with color display	● ¹¹	●	●		●
2 USB ports; online via Ethernet	●	●	●		●
Battery backup: correct continuation of the knitting process after power failure	●	●	●		●
Safety devices					
Fully enclosed working area	●	●	●		●
Machine complies with EC regulations (CE label)	●	●	●		●
Machine status lamp with alarm buzzer	●	●	●		●

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Yarn control units		14	24		20 - 24 ¹²		14 - 20 ¹²
Active thread clamps, left right		- 8	8 8		8 8		8 8
Lateral yarn tensioners with scale, left right		8 8	12 12		12 12		12 12
Lateral thread brake, left right		- 8	8 8		8 8		8 8
Thread deflectors for optimum yarn guidance, left right		● ●	● ●		● ●		● ●
Yarn carrier rail yarn carrier		4 10	4 12		4 12		4 12
Intarsia yarn carrier		-	○		○		○
Plating yarn carrier		● ¹³	○		○		○
Plating kit consisting of plating yarn carrier and bobbin holder		○	○		○		○
Devoré kit with 1 system ¹⁴		○	-		○		○
Devoré kit with 2 systems ¹⁵		-	-		○		○
Plush device		-	-		○		○
Holders for bobbins		-	● (2 × 4)		● ○ (2 × 4) ¹⁶		○ (2 × 4)
Yarn feed unit							
Friction feed wheel, 8 tracks each, left right		○ ●	● ●		● ●		● ●
Storage feed wheel ¹⁷		○	-		○		○
ASCONE®, automatic stitch control, 8 measurement units, left right ¹⁸		○ ○	○ ○		○ ○ ¹⁹		○ ○ ¹⁹
Fabric take-down system							
Main take-down		Stoll-multiflex*	Belt take-down	Stoll-multiflex*	Stoll-multiflex*	Belt take-down	Stoll-multiflex* Belt take-down
Comb take-down		●	●	●	●	●	● ●
Auxiliary take down		●	-	●	●	-	● -
Cleaning device							
Suction device with turbine; with suction tube		-	●		●		●
Power							
Voltage connection		AC 230V +/-10%	AC 230V/400V +/-10%		AC 230V/400V +/-10%		AC 230V 400V +/-10%
Connection value, depending on operating status (KW: ²⁰)		1.7	2.0		2.3		2.3

- Standard equipment
- Optional 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 7 | 12/10 | 14/12 | 16 | 18 | 18/16

⁴ Gauges E 2,5.2 | 2,5.2m4L | 3,5.2 | 3,5.2 m4L | 6.2 | 7.2

⁵ Gauges E 5 | 7 | 8 | 10 | 12 | 12/10 | 14 | 14/12 | 16 | 18 | 18/16

⁶ Gauges E 2,5.2 | 2,5.2m4L | 3,5.2 | 3,5.2m4L | 5.2 | 6.2 | 7.2 | 8.2

⁷ Gauges E 10 | 12 | 12/10 | 14 | 14/12 | 16 | 18

⁸ Gauges E 6.2 | 7.2 | 8.2

⁹ Possible within the same gauge range.

¹⁰ 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

¹¹ Not moveable display.

¹² Depends on the gauge.

¹³ 2 extra plating yarn carriers for track 4 and 5 as standard.

¹⁴ Only for fine gauges.

¹⁵ Gauge availability on request.

¹⁶ For gauges E 5 - 8; E 2,5.2 - 5.2 | E 10 - 18; E 6.2 - 8.2

¹⁷ Requires transformer, not in combination with ASCONE®.

¹⁸ System for measuring and regulating the stitch length.

¹⁹ - | ● E 16; E 18; E 8.2

²⁰ 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 05/19-E.