

<b>Knitting Unit</b>	
Carriages   knitting systems	1 x 3
Combined knitting-transfer systems [01]	3 [02]
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)	●
Manually controlled needle cam exit	●
Presser foot unit	●
<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) [04]	1.2
Max. speed by empty rows (m/s)	1.5
Racking course max. 4", programmable racking speed	●
Racking course of additional needle beds, left   right: max. 2"	-
<b>Needle bed</b>	
Nominal width   max. working width, in inches (cm)	86 (218)
Gauges	E 3,5.2   E 7.2   E 9.2 [05]
Gauge conversion	○ [06]
Moveable holding-down jacks on both needle beds	-
Closed spring loaded holding-down jacks with motor control on both needle beds	●
Pelerine spring-transfer needle with spring-loaded latch	●
Needle detector	●
Knockover bits	-
Magnetic thread clamping device	●
Thread clamping and cutting device, 8 units per side	●   ● [08]
Illuminated working space	●
Shock stop motion, front   rear	●   ●
Central lubrication of needle bed elements and carriage slide bars	●
<b>Additional beds</b>	
2 additional beds with transfer elements	-
Nominal width   max. working width, in inches (cm)	-
2 external transfer systems	-
Shock stop motion, front   rear	-
<b>Yarn guide</b>	
Yarn control units	24   20 [09]
Active thread clamps, left   right	●   ●
Lateral yarn tensioners with scale, left   right	12   12
Lateral thread break, left   right	12   12
Thread deflectors for optimum yarn guidance, left   right	●   ●
Yarn carrier rail   yarn carrier	4   16
Intarsia yarn carrier	-
Plating kit consisting of plating yarn carrier and bobbin holder	○
Holders for bobbins	○ (2 x 5)
Additional holders for bobbins, mounted on the rear side of machine	○ (2 x 6)
<b>Yarn feed unit</b>	
Friction feed wheel, 8 tracks each, left   right	●   ●
Storage feed wheel, max. 2 x 6 [11]	● [12]
ASCONE®, automatic stitch control, 8 measurement units, left   right [13]	○   ○
<b>Fabric take-down system</b>	
Main take-down	●
Upper take-down	●
Comb take-down	●
<b>Control system   Data processing</b>	
Stoll-touchcontrol®: moveable color 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	●
<b>Safety devices</b>	
Fully enclosed working area	●
Machine complies with EC regulations (CE label)	●
Machine status lamp	●
<b>Cleaning device</b>	
Suction device with turbine; with suction tube	● [14]
<b>Dimensions   Weights</b>	
Length: unpacked   in the case   on pallet, approx. in mm	4025   4490   4490
Width: unpacked   in the case   on pallet, approx. in mm	909   1150   1100
Height: unpacked   in the case   on pallet, approx. in mm	2050   1940   1810
Weight: net   gross with case   gross with pallet, approx. in kg	1600   2359   1859
<b>Power</b>	
Voltage connection	AC 400V ± 10%
Connection value: depending on operating status (kw) [15]	2,7

CMS 730 T knit & wear

1 x 3
3 [03]
8
●
-
-
●
1.2
1.5
●
●
72 (183)
E 6.2   E 7.2
○
● [07]
-
●
●
●
-
●   ● [08]
●
●   ●
○
●
72 (183)
●
●   ●
24   20 [10]
●   ●
12   12
8   8
●   ●
4   16
○
○
○ (2 x 5)
○ (2 x 5)
●   ●
○
○   ○
●
●
●
●
●
●
●
●
●
●
●
3550   3840   3840
909   1150   1100
2050   1940   1810
1510   1994   1709
AC 400V ± 10%
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] With variable 2<sup>nd</sup> stitch tension and motor controlled stitch preparation cams.
- [03] With split function.
- [04] Depends on yarn and pattern structure.
- [05] Other gauges available on demand.
- [06] Only within the same gauge range possible.
- [07] Adjustable and variable on hold-down depth.
- [08] Independent of carriage.
- [09] For gauges E 3,5.2 | E 7.2 + E 9.2
- [10] For gauges E 6.2 | E 7.2
- [11] Requires transformer, not in combination with ASCON\*.
- [12] For gauge E 3,5.2 | E 9.2
- [13] System for measuring and regulating the stitch length.
- [14] With cleaning brush on suction tube.
- [15] The electric power consumption during knitting depends always on the gauge and working conditions and will be considerably lower than the connection value indicated.

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<b>Knitting Unit</b>	
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)	●
<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]	1.0
Max. speed by empty rows (m/s)	1,2
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)	84 (213) -
Gauges	E 2,5,2
Gauge conversion	-
Moveable holding-down jacks on both needle beds	-
Spring-controlled holding-down jacks on both needle beds	●
Pelerine spring-transfer needle with spring-loaded latch	●
Needle detector	●
Knockover bits	-
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>Yarn guide</b>	
Yarn control units	32
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   16
Intarsia yarn carrier	0
Plating kit consisting of plating yarn carrier and bobbin holder	0
Devoré knit device	-
Plush device	-
Holders for bobbins	● (2 x 5)
Additional holders for bobbins, mounted on the rear side of machine	0 (2 x 6)
<b>Yarn feed unit</b>	
Friction feed wheel, 8 tracks each, left   right	●   ●
Storage feed wheel, max. 2 x 6 [09]	-
ASCONE®, automatic stitch control, 8 measurement units, left   right [10]	0   0
<b>Fabric take-down system</b>	
Main take-down	●
Upper take-down	●
Comb take-down	●
<b>Control system   Data processing</b>	
Stoll-touchcontrol®: moveable color 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	●
<b>Safety devices</b>	
Fully enclosed working area	●
Machine complies with EC regulations (CE label)	●
Machine status lamp	●
<b>Cleaning device</b>	
Suction device with turbine; with suction tube	●
<b>Dimensions   Weights</b>	
Length: unpacked   in the case   on pallet, approx. in mm	4025   4490   4490
Width: unpacked   in the case   on pallet, approx. in mm	909   1150   1100
Height: unpacked   in the case   on pallet, approx. in mm	2050   1940   1810
Weight: net   gross with case   gross with pallet, approx. in kg	1690   2449   1949
<b>Power</b>	
Voltage connection	AC 400V ± 10%
Connection value: depending on operating status (kw) [11]	2,3

CMS 822 HP knit & wear

CMS 530 HP knit & wear

2 x 2	1 x 3
4	3
12	8
●	●
●	●
1.2	1.2
1.5	1.5
●	●
84 (213) 2 x 42 (107)	50 (127) -
E 2,5.2 - 7.2 [03]	E 2,5.2 - 7.2 [03]
○ [04]	○ [05]
●	●
-	-
●	●
●	●
●	●
●   ●	●   ●
●	●
●   ●	●   ●
○	○
32   26   20 [06]	24   20 [07]
●   ●	●   ●
12   12	12   12
8   8	8   8
●   ●	●   ●
4   16	4   12
○	○
○	○
-	○
-	○
●   ○ (2 x 5) [08]	● (2 x 4)
○ (2 x 6)	○ (2 x 4)
●   ●	●   ●
○	○
○   ○	○   ○
●	●
●	●
●	●
●	●
●	●
●	●
●	●
4025   4490   4490	2700   2970   2970
909   1150   1100	909   1140   1100
2050   1940   1810	2050   1900   1810
1670   2430   1930	1240   1568   1333
AC 400V ± 10%	AC 230V / 400V ± 10%
2,6	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 2,5.2 | 3,5.2 | 5.2 | 6.2 | 7.2
- [04] Only within the same gauge range. Conversion possible to a CMS 822 HP multi gauge or CMS 822 HP and vice versa.
- [05] Only within the same gauge range. Conversion possible to a CMS 530 HP multi gauge or CMS 530 HP and vice versa.
- [06] For gauges E 2,5.2 + E 3,5.2 + E 5.2 | E 6.2 | E 7.2
- [07] For gauges E 2,5.2 - 5.2 | E 6.2 - 7.2
- [08] For gauges E 2,5.2 + E 3,5.2 + E 5.2 | E 6.2 and higher.
- [09] Requires transformer, not in combination with ASCON®.
- [10] System for measuring and regulating the stitch length.
- [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.

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