

TECHNICAL DETAILS

Knitting unit	ADF 530-24 ki	ADF 530-24 ki Bc	ADF 830-24 ki W
Carriages Combined knitting-transfer systems with split function ¹	1×3	1×3	1×3
Electronic wear-free selection systems with 2 selection points	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
Max. knitting speed by empty rows (m/s)	1.5	1.5	1.5
Racking course max. 4", programmable racking speed	●	●	●
Needle bed			
Max. working width, in inches (cm)	50 (127)	50 (127)	84 (213)
Gauges	E 5 - 8 E 2,5.2 - 5.2	E 5 - 8 E 2,5.2 - 5.2	E 10 - 18 E 6.2 - 8.2 E 6.2; 7.2 ; 9.2 ³
Gauge conversion ⁴	○	○	○
Fixed knockover bits	●	●	●
Moveable holding-down jacks on both needle beds	●	●	●
Pelerine spring-transfer needle with spring-loaded latch	●	●	●
Needle detector	●	●	●
Needle exchange	○	○	○
Thread clamping and cutting devices, left right	12 12	12 12	12 12
Illuminated working space	●	●	●
Shock stop motion, front rear	● ●	● ●	● ●
Plush device	○	○	○
Devoré kit with 1 system ⁵	-	-	○
Devoré kit with 2 systems ⁶	○	○	○
Yarn guide			
Yarn control units	32	32	24
Yarn carrier rail yarn carriers	6 24	6 24	6 24
Bypass kit for weft yarns ⁷	○	○	●
Holders for bobbins, mounted on the rear side of the machine	● ⁸	● ⁸	● ⁹
Mounting Kit MSF3 ¹⁰	○	○	○
Mounting Kit EFS ¹⁰	○	○	○
Mounting Kit LGL	○	○	○
ASCONE [®] ¹¹	○	○	○

Fabric take-down system	ADF 530-24 ki	ADF 530-24 ki Bc	ADF 830-24 ki W
Main take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®
Auxiliary take-down	●	-	●
Comb take-down	●	●	●
Control system Data processing			
Slide Multi-Touch Panel with color display	●	●	●
2 USB ports; online via Ethernet	●	●	●
Battery backup: correct continuation of the knitting process after power failure	●	●	●
Safety devices			
Light curtain	●	●	●
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	3950 4490 4490
Width: unpacked in the case on pallet, approx. in mm	1203 1138 1102	1203 1138 1102	1203 1150 1100
Height: unpacked in the case on pallet, approx. in mm	1810 2218 2010	1810 2218 2010	1810 1940 1810
Weight: net gross with case gross with pallet, approx. in kg	1490 1905 1605	1370 1785 1485	1750 2510 2010
Power			
Connection value, depending on operating status (kW) ¹²	2.3	2.3	2.3
Flexible 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 For knit&wear.

⁴ Conversion possible to multi gauge and vice versa within the same gauge range.

⁵ Only for fine gauges.

⁶ Gauge availability on request.

⁷ For gauges E 10-14 and 6.2:
- 2x yarn carrier with eyelet E 3,5.2
- 2x bypass for E 3,5.2
- 2x yarn control unit for E 3,5.2
For gauges E 16-18:
- 2x yarn carrier with eyelet E 6.2
- 2x bypass for E 6.2
- 2x yarn control unit for E 6.2

⁸ For 24 bobbins.

⁹ For 12 bobbins.

¹⁰ Requires transformer.

¹¹ System for measuring and regulating the stitch length.

¹² The electric power consumption during knitting always depends 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 05/19-E.