

TECHNICAL DETAILS

Knitting unit	ADF 330-32 ki W	ADF 330-32 ki BcW	ADF 330-24 ki W	ADF 330-24 ki BcW	ADF 530-16 ki	ADF 530-16 ki W	ADF 530-16 ki Bc	ADF 530-16 ki BcW	ADF 530-24 ki	ADF 530-24 ki Bc	ADF 530-32 ki	ADF 530-32 ki W	ADF 530-32 ki Bc	ADF 530-32 ki BcW	ADF 830-24 ki W
Carriages Combined knitting-transfer systems with split function ¹	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3
Electronic wear-free selection systems with 2 selection points	8	8	8	8	8	8	8	8	8	8	8	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	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Max. knitting speed by empty rows (m/s)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Racking course max. 4", programmable racking speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Needle bed															
Max. working width (inches / centimeters)	36" / 91 cm	36" / 91 cm	36" / 91 cm	36" / 91 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	59" / 127 cm	84" / 213 cm
Gauges	E 10-20; E 6.2 - 10.2	E 10-20; E 6.2 - 10.2	E 10-20; E 6.2 - 10.2	E 10-20; E 6.2 - 10.2	E 5 - 20; E 2,5.2 - 10.2	E 10-20; E 6.2 - 10.2	E 5 - 20 E 2,5.2 - 10.2	E 10-20; E 6.2 - 10.2	E 5 - 8 E 2,5.2 - 5.2	E 5 - 8 E 2,5.2 - 5.2	E 10-20; E 6.2 - 10.2	E 10-20; E 6.2 - 10.2	E 10-20; E 6.2 - 10.2	E 10-20; E 6.2 - 10.2	E 10-20; E 6.2 - 10.2
Gauge conversion ³	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
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	16 / 16	16 / 16	12 / 12	12 / 12	8 / 8	8 / 8	8 / 8	8 / 8	12 / 12	12 / 12	16 / 16	16 / 16	16 / 16	16 / 16	12 / 12
Illuminated working space	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Shock stop motion, front rear	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Push device ⁴	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Devoré kit (with 1 or 2 systems) ⁴	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Yarn guide															
Yarn control units	32	32	24	24	16	16	16	16	32	32	32	32	32	32	24
Yarn carrier rail / yarn carriers	8 / 32	8 / 32	6 / 24	6 / 24	4 / 16	4 / 16	4 / 16	4 / 16							
Bypass kit for coarse weft yarns ⁵	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Holders for bobbins, mounted on the rear side of the machine	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Feed wheels: MSF, EFS LGL, BTSR ⁶	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
ASCON ⁷ + friction feed wheel	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Fabric take-down															
Main take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®	STOLL-multiflex®	Belt take-down	Belt take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®	STOLL-multiflex®	Belt take-down	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 devices															
Suction device with turbine; with suction tube	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Dimensions Weights															
Length: unpacked in the case on pallet, approx. in mm	2720 2970 2970	2720 2970 2970	2720 2970 2970	2720 2970 2970	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540	3080 3540 3540	3950 4490 4490
Width: unpacked in the case on pallet, approx. in mm	1280 1138 1102	1280 1138 1102	1280 1138 1102	1280 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1138 1102	1203 1150 1100
Height: unpacked in the case on pallet, approx. in mm	1880 2081 2010	1880 2081 2010	1880 2081 2010	1880 2081 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 2218 2010	1810 1940 1810
Weight: net gross with case gross with pallet, approx. in kg	1298 1713 1413	1298 1713 1413	1298 1713 1413	1298 1713 1413	1380 1795 1495	1380 1795 1495	1380 1795 1495	1380 1795 1495	1490 1905 1605	1490 1905 1605	1375 1790 1490	1375 1790 1490	1375 1790 1490	1375 1790 1490	1750 2510 2010
Power															
Connection value, depending on operating status (kW) ⁸	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3
Flexible voltage connection AC 230V/400V +/-10%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

- Special equipment
- Standard 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 Conversion possible to multi gauge and vice versa within the same gauge range

⁴ Gauge availability on request

⁵ For gauges E10 - 14:
- 2x yarn carriers E 3,5,2
- 2x bypass for E 3,5,2
- 2x yarn control unit E 3,5,2

For gauges E 16–18:
- 2x yarn carriers E 6.2
- 2x bypass E 6.2
- 2x yarn control unit E 6.2

⁶ Requires transformer

⁷ System for measuring and regulation the stitch length

⁸ The electric power consumption during knitting always depends on the gauge and working conditions and will be considerably lower than the connection value

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