

## TECHNICAL DETAILS

Knitting unit	ADF 530-32 ki	ADF 530-32 ki Bc	ADF 530-32 ki W	ADF 530-32 ki BcW
Carriages   Combined knitting-transfer systems with split function <sup>1</sup>	1×3	1×3	1×3	1×3
Electronic wear-free selection systems with 2 selection points	8	8	8	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) <sup>2</sup>	1.2	1.2	1.2	1.2
Max. knitting speed by empty rows (m/s)	1.5	1.5	1.5	1.5
Racking course max. 4", programmable racking speed	●	●	●	●
<b>Needle bed</b>				
Max. working width, in inches (cm)	50 (127)	50 (127)	50 (127)	50 (127)
Gauges <sup>3</sup>	E 10-18 E 6.2-8.2	E 10-18 E 6.2-8.2	E 10-18 E 6.2-8.2	E 10-18 E 6.2-8.2
Gauge conversion <sup>4</sup>	○	○	○	○
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	16   16	16   16
Illuminated working space	●	●	●	●
Shock stop motion, front   rear	●   ●	●   ●	●   ●	●   ●
Plush device	○	○	○	○
Devoré kit with 1 system	○	○	○	○
Devoré kit with 2 systems <sup>5</sup>	○	○	○	○
<b>Yarn guide</b>				
Yarn control units	32	32	32	32
Yarn carrier rail   yarn carriers	8   32	8   32	8   32	8   32
Bypass kit for coarse weft yarns <sup>6</sup>	-	-	●	●
Holders for bobbins, mounted on the rear side of the machine <sup>7</sup>	●	●	●	●
Mounting Kit MSF3 <sup>8</sup>	○	○	○	○
Mounting Kit EFS <sup>8</sup>	○	○	○	○
Mounting Kit LGL <sup>8</sup>	○	○	○	○
ASCON® <sup>9</sup>	○	○	○	○

## TECHNICAL DETAILS

Fabric take-down system	ADF 530-32 ki	ADF 530-32 ki Bc	ADF 530-32 ki W	ADF 530-32 ki BcW
Main take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®	Belt take-down
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	3080   3540   3540	3080   3540   3540
Width: unpacked   in the case   on pallet, approx. in mm	1203   1138   1102	1203   1138   1102	1203   1138   1102	1203   1138   1102
Height: unpacked   in the case   on pallet, approx. in mm	1810   2218   2010	1810   2218   2010	1810   2218   2010	1810   2218   2010
Weight: net   gross with case   gross with pallet, approx. in kg	1490   1905   1605	1370   1785   1485	1495   1910   1610	1375   1790   1490
Power				
Connection value, depending on operating status (kW) <sup>10</sup>	2.3	2.3	2.3	2.3
Flexible voltage connection AC 230V/400V +/-10%	●	●	●	●

- Standard equipment
- Special equipment

<sup>1</sup> All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

<sup>2</sup> Depends on yarn and pattern structure.

<sup>3</sup> Gauges E 6.2 | 7.2 | 8.2 | 10 | 12 | 12/10 | 14 | 14/12 | 16 | 18 | 18/16

<sup>4</sup> Conversion possible to multi gauge and vice versa within the same gauge range.

<sup>5</sup> Gauge availability on request.

<sup>6</sup> For gauges E 10-14 and 6.2:  
- 2× yarn carrier with eyelet E 3,5.2  
- 2× bypass for E 3,5.2

- 2× yarn control unit for E 3,5.2  
For gauges E 16-18:  
- 2× yarn carrier with eyelet E 6.2  
- 2× bypass for E 6.2  
- 2× yarn control unit for E 6.2

<sup>7</sup> For 24 bobbins.

<sup>8</sup> Requires transformer.

<sup>9</sup> System for measuring and regulation the stitch length.

<sup>10</sup> 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.*

## TECHNICAL DETAILS

Knitting unit	ADF 530-16 ki	ADF 530-16 ki Bc	ADF 530-16 ki W	ADF 530-16 ki BcW
Carriages   Combined knitting-transfer systems with split function <sup>1</sup>	1×3	1×3	1×3	1×3
Electronic wear-free selection systems with 2 selection points	8	8	8	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) <sup>2</sup>	1.2	1.2	1.2	1.2
Max. knitting speed by empty rows (m/s)	1.5	1.5	1.5	1.5
Racking course max. 4", programmable racking speed	●	●	●	●
<b>Needle bed</b>				
Max. working width, in inches (cm)	50 (127)	50 (127)	50 (127)	50 (127)
Gauges	E 5 - 18 <sup>3</sup> E 2,5.2 - 8.2	E 5 - 18 <sup>3</sup> E 2,5.2 - 8.2	E 10 - 18 <sup>4</sup> E 6.2 - 8.2	E 10 - 18 <sup>4</sup> E 6.2 - 8.2
Gauge conversion <sup>5</sup>	○	○	○	○
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	8   8	8   8	8   8	8   8
Illuminated working space	●	●	●	●
Shock stop motion, front   rear	●   ●	●   ●	●   ●	●   ●
Plush device	○	○	○	○
Devoré kit with 1 system <sup>6</sup>	○	○	○	○
Devoré kit with 2 systems <sup>7</sup>	○	○	○	○
<b>Yarn guide</b>				
Yarn control units	16	16	16	16
Yarn carrier rail   yarn carriers	4   16	4   16	4   16	4   16
Bypass kit for coarse weft yarns <sup>8</sup>	-	-	●	●
Holders for bobbins, mounted on the rear side of the machine <sup>9</sup>	●	●	●	●
Mounting Kit MSF3 <sup>10</sup>	○	○	○	○
Mounting Kit EFS <sup>10</sup>	○	○	○	○
Mounting Kit LGL <sup>10</sup>	○	○	○	○
ASCONE <sup>11</sup>	○	○	○	○

## TECHNICAL DETAILS

Fabric take-down system	ADF 530-16 ki	ADF 530-16 ki Bc	ADF 530-16 ki W	ADF 530-16 ki BcW
Main take-down	STOLL-multiflex®	Belt take-down	STOLL-multiflex®	Belt take-down
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	3080   3540   3540	3080   3540   3540
Width: unpacked   in the case   on pallet, approx. in mm	1203   1138   1102	1203   1138   1102	1203   1138   1102	1203   1138   1102
Height: unpacked   in the case   on pallet, approx. in mm	1810   2218   2010	1810   2218   2010	1810   2218   2010	1810   2218   2010
Weight: net   gross with case   gross with pallet, approx. in kg	1380   1795   1495	1260   1675   1375	1385   1800   1500	1265   1680   1380
Power				
Connection value, depending on operating status (kW) <sup>12</sup>	2.3	2.3	2.3	2.3
Flexible voltage connection AC 230V/400V +/-10%	●	●	●	●

- Standard equipment
- Special equipment

<sup>1</sup> All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

<sup>2</sup> Depends on yarn and pattern structure.

<sup>3</sup> Gauges ADF 530-16 ki + Bc: E 2,5.2 | 2,5.2 m4L | 3,5.2 | 3,5.2 m4L | 5.2 | 6.2 | 7.2 | 8.2 | 5 | 7 | 8 | 10 | 12 |

12/10 | 14 | 14/12 | 16 | 18 | 18/16

<sup>4</sup> Gauges ADF 530-16 ki W + BW: E 6.2 | 7.2 | 8.2 | 10 | 12 | 12/10 | 14 | 14/12 | 16 | 18 | 18/16

<sup>5</sup> Conversion possible to multi gauge and vice versa within the same gauge range.

<sup>6</sup> Only for fine gauges.

<sup>7</sup> Gauge availability on request.

<sup>8</sup> For gauges E 10-14 and 6.2:  
- 2× yarn carrier with eyelet E 3,5.2  
- 2× bypass for E 3,5.2  
- 2× yarn control unit for E 3,5.2

For gauges E 16-18:  
- 2× yarn carrier with eyelet E 6.2  
- 2× bypass for E 6.2  
- 2× yarn control unit for E 6.2

<sup>9</sup> For 8 bobbins.

<sup>10</sup> Requires transformer.

<sup>11</sup> System for measuring and regulation the stitch length.

<sup>12</sup> The electric power consumption during knitting always depends on the gauge and working conditions and will be considerably lower than the connection value indicated.

\*The distance between systems has been reduced from 6" to 5,2" for the gauge range E 2,5.2-5.2 and E 5-8

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.*

## 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 <sup>1</sup>	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)	●	●	●
<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) <sup>2</sup>	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	●	●	●
<b>Needle bed</b>			
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 <sup>3</sup>
Gauge conversion <sup>4</sup>	○	○	○
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 <sup>5</sup>	-	-	○
Devoré kit with 2 systems <sup>6</sup>	○	○	○
<b>Yarn guide</b>			
Yarn control units	32	32	24
Yarn carrier rail   yarn carriers	6   24	6   24	6   24
Bypass kit for weft yarns <sup>7</sup>	○	○	●
Holders for bobbins, mounted on the rear side of the machine	● <sup>8</sup>	● <sup>8</sup>	● <sup>9</sup>
Mounting Kit MSF3 <sup>10</sup>	○	○	○
Mounting Kit EFS <sup>10</sup>	○	○	○
Mounting Kit LGL	○	○	○
ASCONE <sup>®</sup> <sup>11</sup>	○	○	○

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	●	●	●
<b>Control system   Data processing</b>			
Slide Multi-Touch Panel with color display	●	●	●
2 USB ports; online via Ethernet	●	●	●
Battery backup: correct continuation of the knitting process after power failure	●	●	●
<b>Safety devices</b>			
Light curtain	●	●	●
Machine complies with EC regulations (CE mark)	●	●	●
Machine status lamp with alarm buzzer	●	●	●
<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	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
<b>Power</b>			
Connection value, depending on operating status (kW) <sup>12</sup>	2.3	2.3	2.3
Flexible voltage connection AC 230V/400V +/-10 %	●	●	●

● Standard equipment  
○ Special equipment

<sup>1</sup> All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

<sup>2</sup> Depends on yarn and pattern structure.

<sup>3</sup> For knit&wear.

<sup>4</sup> Conversion possible to multi gauge and vice versa within the same gauge range.

<sup>5</sup> Only for fine gauges.

<sup>6</sup> Gauge availability on request.

<sup>7</sup> 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

<sup>8</sup> For 24 bobbins.

<sup>9</sup> For 12 bobbins.

<sup>10</sup> Requires transformer.

<sup>11</sup> System for measuring and regulating the stitch length.

<sup>12</sup> 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.*