

B Specifications XL 75 - 5 printing units

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1 Print-related specifications

1.1 Print-related specifications

Print-related specifications - Speedmaster XL 75			
Printing materials	Largest sheet size	F format	605 × 750 mm (23.82 × 29.53 in)
		C format	530 × 750 mm (20.87 × 29.53 in)
	Smallest sheet size	F format, in straight printing	210 × 350 mm (8.27 × 13.78 in)
		F format, in perfecting	340 × 350 mm (13.39 × 13.78 in)
		C format, in straight printing	210 × 350 mm (8.27 × 13.78 in)
		C format, in perfecting	300 × 350 mm (11.81 × 13.78 in)
	Largest print format	F format	585 × 740 mm (23.03 × 29.13 in)
		C format	510 × 740 mm (20.08 × 29.13 in)
	Largest coating format		585 × 740 mm (23.03 × 29.13 in)
	Gripper bite		8...10 mm (0.31...0.39 in), continuously adjustable
	Printing material thickness		0.03...0.8 mm (0.0012...0.031 in) ⁽¹⁾
Printing performance	Maximum	Standard	15000 sheets/h ⁽²⁾
		Option for straight-printing presses, except LYL/LYYL presses	18000 sheets/h ⁽²⁾
	Minimum		3000 sheets/h
	Crawl speed		5 rpm
Plate cylinder	Printing plate size	F format	660 × 745 mm (25.98 × 29.33 in)
		C format	605 × 745 mm (23.82 × 29.33 in)
	Printing plate thickness		0.3 mm (0.012 in)
	Plate cylinder undercut		0.15 mm (0.006 in)
	Distance between lead edge of plate and print start	F format	43 mm (1.69 in)
		C format	59.5 mm (2.34 in)
Coating blanket cylinder	Format	Coating plate	680 × 750 mm (26.77 × 29.53 in)
		Coating blanket (metal-backed)	700 × 772 mm (27.56 × 30.39 in)
	Thickness	Coating plate	Varies according to type (often 1.14/1.16 mm (0.045/0.046 in))
		Coating blanket	1.95 mm (0.077 in)
	Clampable plate substrate thickness		0.25...0.5 mm (0.010...0.020 in)
	Coating blanket cylinder undercut		3.2 mm (0.126 in)
	Distance between lead edge of plate and coating start		47.6 mm (1.874 in)

Print-related specifications - Speedmaster XL 75			
Blanket cylinder	Format	Blanket (metal-backed)	700 × 772 mm (27.56 × 30.39 in)
		Packing sheets	620 × 750 mm (24.41 × 29.53 in)
	Thickness	Blanket	1.95 mm (0.077 in)
		Underlay sheets	0.30...0.35 mm (0.012...0.014 in)
	Blanket cylinder undercut		2.3 mm (0.091 in)
Inking unit	Total number of rollers		15
	Inking form rollers		4
	Inking form rollers diameter		78 mm (3.07 in) 60 mm (2.36 in) 72 mm (2.83 in) 66 mm (2.60 in)
	Ink zones		23
Dampening system	Type		Alcolor-Vario continuous dampening system
	Total number of rollers		5
	Dampening form roller		1
	Dampening form roller diameter		70 mm (2.76 in)
Pile heights, gross ⁽³⁾	Feeder		1120 mm (44.09 in)
	Delivery	Pile removal from the front	1120 mm (44.09 in)
		Pile removal from the side	980 mm (38.58 in)
Pile heights, elevated printing presses	Elevation of the pile by elevating the printing press		+ 550 mm (21.65 in)
Maximum pile weight	Feeder		1000 kg (2205 lbs)
	Delivery		1000 kg (2205 lbs)
Noise emission	Noise emission values according to EN 13023:		
	Sound level at the feeder control console		82 dB(A)
	Sound level at the delivery		83 dB(A)
	Additional measured value according to DIN 45635, sheet 27:		
	Sound level at the feeder (front side)		84 dB(A)
Heat emission			According to power requirement

Tab. 1 Print-related specifications

(1): On printing presses with perfector, the printing material thickness depends on the materials used (especially direction of paper travel and bending strength).

(2): The maximum printing performance depends on the conditions on site and on the materials used. Deviations may also be due to customer- or market-specific special accessories. If this is the case, the deviations are documented in the press-specific publications.

(3): Including pile support plate and pile table.

2 Dimensions of the printing press

2.1 Dimensions of the printing press without DryStar UV in standard installation

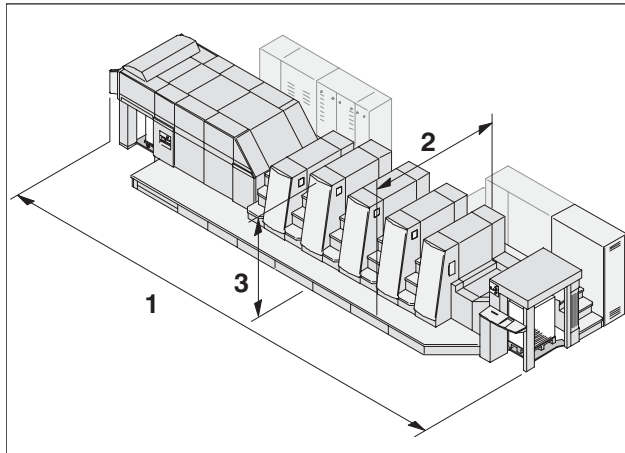


Fig. 1 Dimensions of the printing press without DryStar UV in standard installation (XL 75-4 + L)

The following specifications apply to all press versions:

- 1 Length: see table 2
- 2 Width: 3314 mm (130.47 in)
- 3 Height: 1940 mm (76.38 in)

Overall height of the printing press:

- with open protection grid: 2300 mm (90.55 in);
- with automatic ink dispensing system InkLine 3000, metering unit open: 2640 mm (103.94 in).

The minimum room height required for conveniently changing the InkLine 3000 cartridges should be 2800 mm (110.24 in).

For further information see also the chapters *Floor space required* and *Minimum working space required*.



Note

The following specifications apply only to printing presses that are not equipped with the UV dryer DryStar UV.

Press version	Extended delivery	Length of the printing press for standard installations [mm] ([in])
XL 75-5	-	9741 (383.50)
XL 75-5-P	-	10505 (413.56)
XL 75-5 + L	-	10785 (424.61)
	160 cm (63.0 in)	12410 (488.60)
XL 75-5-P + L	-	11549 (454.66)
	160 cm (63.0 in)	13174 (518.66)
XL 75-5 + LYL	160 cm (63.0 in)	14498 (570.80)
	240 cm (94.5 in)	15311 (602.80)
XL 75-5 + LYYL	160 cm (63.0 in)	15542 (611.90)
	240 cm (94.5 in)	16355 (643.90)

Tab. 2 Length of the printing press without DryStar UV in standard installation

Preloading device

Printing presses with attached preloading device are 90 mm (3.54 in) longer than printing presses without preloading device. And there is another 1595 mm (62.80 in) for the guide rails.

2.2 Dimensions of the printing press with DryStar UV in standard installation

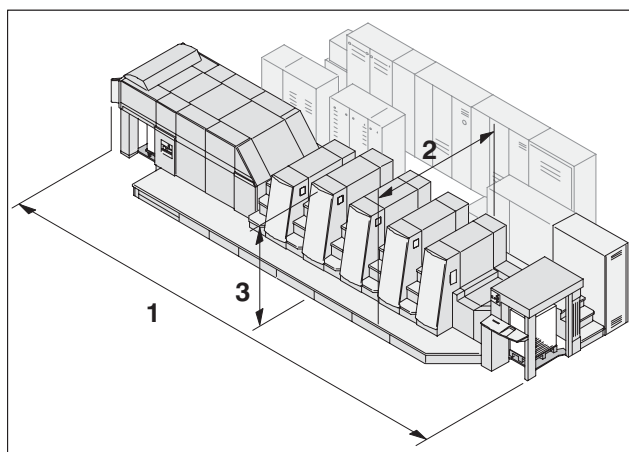


Fig. 2 Dimensions of the printing press with DryStar UV in standard installation (XL 75-4 + L)

The following specifications apply to all press versions:

- 1 Length: see table 3
- 2 Width: 3314 mm (130.47 in)
- 3 Height: 1940 mm (76.38 in)

Overall height of the printing press:

- with open protection grid: 2300 mm (90.55 in);
- with InkMove ink agitator in home position: 2350 mm (92.52 in);
- with automatic ink dispensing system InkLine 3000, metering unit open: 2640 mm (103.94 in).

The minimum room height required for conveniently changing the InkLine 3000 cartridges should be 2800 mm (110.24 in).

For further information see also the chapters *Floor space required* and *Minimum working space required*.



Note

The following specifications apply only to printing presses that are equipped with the UV dryer DryStar UV.

Press version	Length of the printing press for standard installations [mm] ([in])	
	Extended delivery	
XL 75-5	160 cm (63.0 in)	11366 (447.50)
XL 75-5 + L	160 cm (63.0 in)	12410 (488.60)
	240 cm (94.5 in)	13223 (520.59)
XL 75-5 + LYL	160 cm (63.0 in)	14498 (570.80)
	240 cm (94.5 in)	15311 (602.80)
XL 75-5 + LYYL	160 cm (63.0 in)	15542 (611.90)
	240 cm (94.5 in)	16355 (643.90)

Tab. 3 Length of the printing press with DryStar UV in standard installation

Preloading device

Printing presses with attached preloading device are 90 mm (3.54 in) longer than printing presses without preloading device. And there is another 1595 mm (62.80 in) for the guide rails.

2.3 Dimensions of the printing press without DryStar UV in elevated installation

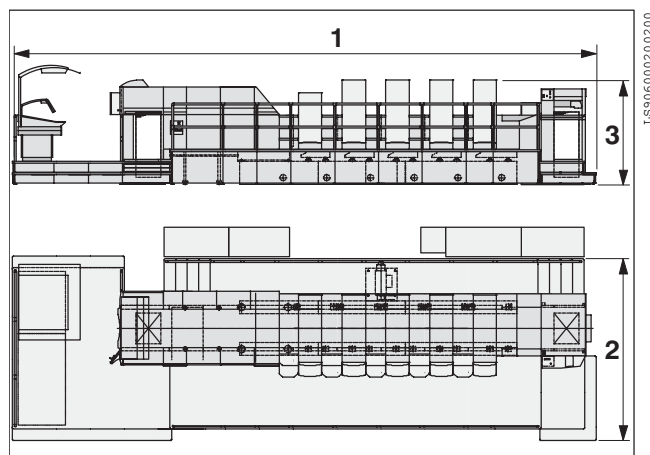


Fig. 3 Dimensions of the printing press without DryStar UV in elevated installation (XL 75-4 + L)

The following specifications apply to all press versions:

- 1 Length: see table 4
- 2 Width: 4339 mm (170.83 in)
- 3 Height: 2490 mm (98.03 in)

Overall height of the printing press:

- with open protection grid: 2850 mm (112.20 in);
- with automatic ink dispensing system InkLine 3000, metering unit open: 3190 mm (125.59 in).

The minimum room height required for conveniently changing the InkLine 3000 cartridges should be 3350 mm (131.89 in).

For further information see also the chapters *Floor space required* and *Minimum working space required*.

► **Note**
The following specifications apply only to printing presses that are not equipped with the UV dryer DryStar UV.

Press version	Extended delivery	Length of the printing press for elevated installations [mm] ([in])
XL 75-5	-	12309 (484.59)
XL 75-5-P	-	13072 (514.65)
XL 75-5 + L	-	13353 (525.70)
	160 cm (63.0 in)	14978 (589.69)
XL 75-5-P + L	-	14116 (555.75)
	160 cm (63.0 in)	15742 (619.75)
XL 75-5 + LYL	160 cm (63.0 in)	17066 (671.89)
	240 cm (94.5 in)	17879 (703.89)
XL 75-5 + LYYL	160 cm (63.0 in)	18110 (712.99)
	240 cm (94.5 in)	18923 (744.99)

Tab. 4 Length of the printing press without DryStar UV in elevated installation

Preloading device

The distance from the beginning of the guide rails to the footboard on O.S. is 1449 mm (57.05 in).

2.4 Dimensions of the printing press with DryStar UV in elevated installation

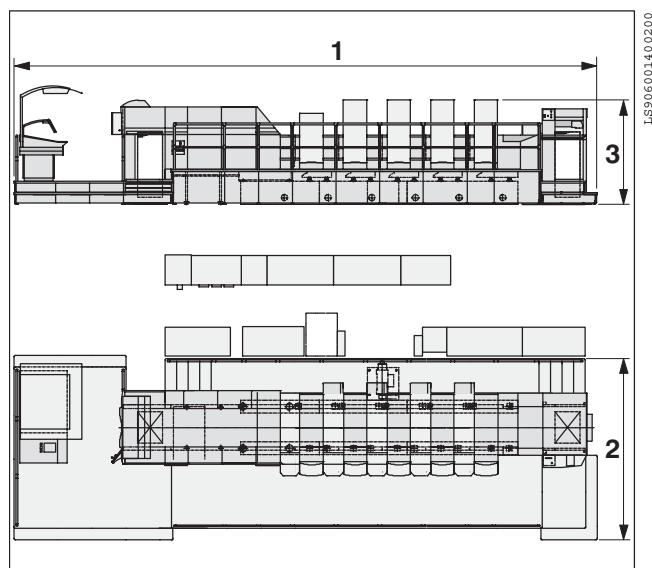


Fig. 4 Dimensions of the printing press with DryStar UV in elevated installation (XL 75-4 + L)

The following specifications apply to all press versions:

- 1 Length: see table 5
- 2 Width: 4339 mm (170.83 in)
- 3 Height: 2490 mm (98.03 in)

Overall height of the printing press:

- with open protection grid: 2850 mm (112.20 in);
- with InkMove ink agitator in home position: 2900 mm (114.17 in);
- with automatic ink dispensing system InkLine 3000, metering unit open: 3190 mm (125.59 in).

The minimum room height required for conveniently changing the InkLine 3000 cartridges should be 3350 mm (131.89 in).

For further information see also the chapters *Floor space required* and *Minimum working space required*.



Note

The following specifications apply only to printing presses that are equipped with the UV dryer DryStar UV.

Press version	Length of the printing press for elevated installations [mm] ([in])	
	Extended delivery	
XL 75-5	160 cm (63.0 in)	13934 (548.59)
XL 75-5 + L	160 cm (63.0 in)	14978 (589.69)
	240 cm (94.5 in)	15791 (621.68)
XL 75-5 + LYL	160 cm (63.0 in)	17066 (671.89)
	240 cm (94.5 in)	17879 (703.89)
XL 75-5 + LYYL	160 cm (63.0 in)	18110 (712.99)
	240 cm (94.5 in)	18923 (744.99)

Tab. 5 Length of the printing press with DryStar UV in elevated installation

Preloading device

The distance from the beginning of the guide rails to the footboard on O.S. is 1449 mm (57.05 in).

3 Dimensions and weights of the peripheral units

3.1 Central control cabinet

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
ZSG central control cabinet	2100 (82.68)	700 (27.56)	1930 (75.98)	1150 (2535)

Tab. 6 Dimensions and weights

3.2 Prinect peripheral equipment

Version	Standard daylight lamp	Width [mm] ([in])	Depth [mm] ([in])	Height ⁽¹⁾ [mm] ([in])	Weight [kg] ([lbs])
Prinect Press Center	Without	1548 (60.94)	1278 (50.31)	880 (34.65)	*
	With	1714 (67.48)	1414 (55.67)	2290 (90.16)	*
Prinect Press Center with Prinect Axis Control	Without	1768 (69.61)	1278 (50.31)	880 (34.65)	*
	With	1851 (72.87)	1414 (55.67)	2290 (90.16)	*
Prinect Press Center with Prinect Inpress Control	Without	1913 (75.31)	1278 (50.31)	880 (34.65)	*
	With	1996 (78.58)	1414 (55.67)	2290 (90.16)	*
Prinect Press Center with drawer desk	Without	2708 (106.61)	1278 (50.31)	880 (34.65)	*
	With	2791 (109.88)	1414 (55.67)	2290 (90.16)	*
Prinect Image Control	Without	2223 (87.52)	1278 (50.31)	1239 (48.78)	*

Tab. 7 Dimensions and weights

*) Not yet known when this manual went to press.

⁽¹⁾: The adjustable base permits the height to be adjusted to a maximum of + 70 mm (+ 2.76 in).

3.3 AirStar 3000 (suction and blast air supply)

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
Air-cooled				
AirStar B-R1-L	1200 (47.24)	700 (27.56)	1930 (75.98)	700 (1545)
AirStar B-R2-L	1600 (62.99)	700 (27.56)	1930 (75.98)	850 (1875)
Water-cooled				
AirStar B-R1-W	1700 (66.93)	700 (27.56)	1930 (75.98)	850 (1875)
AirStar B-R2-W	2100 (82.68)	700 (27.56)	1930 (75.98)	1000 (2205)

Tab. 8 Dimensions and weights

3.4 **ScrollStar** (compressed-air supply)

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
ScrollStar	590 (23.23)	650 (25.59)	1050 (41.34)	210 (460)

Tab. 9 Dimensions and weights

3.5 **HydroStar 3000** (dampening solution supply)

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
Air-cooled				
beta.d 60 L	1000 (39.37)	700 (27.56)	1930 (75.98)	390 (860)
Water-cooled				
beta.d 60 G	1000 (39.37)	700 (27.56)	1930 (75.98)	375 (830)
Accessories				
alcosmart AZR (1)	155 (6.10)	160 (6.30)	437 (17.20)	3 (6.6)

Tab. 10 Dimensions and weights

(1): Integrated in the HydroStar 3000.

3.6 **CombiStar 3000** (dampening solution supply + inking unit temperature control)

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
Air-cooled				
beta.c 130 L	1800 (70.87)	700 (27.56)	1930 (75.98)	670 (1480)
Water-cooled				
beta.c 130 G	1800 (70.87)	700 (27.56)	1930 (75.98)	640 (1415)
Accessories				
alcosmart AZR (1)	155 (6.10)	160 (6.30)	437 (17.20)	3 (6.6)

Tab. 11 Dimensions and weights

(1): Integrated in the CombiStar 3000.

3.7 **Varnish supply unit**

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
LVG-550E (1)	750 (29.53)	480 (18.90)	395 (15.55)	117 (258)
LVG-550E UV (1)	750 (29.53)	480 (18.90)	395 (15.55)	117 (258)
CoatingStar	600 (23.62)	700 (27.56)	1365 (53.74)	245 (540)

Tab. 12 Dimensions and weights

(1): Installation: Underneath the footboard on D.S.

3.8 DryStar (IR drying)

3.8.1 Dryer cabinets

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
Air-cooled				
DryStar Ink	1300 (51.18)	700 (27.56)	1930 (75.98)	480 (1060)
DryStar Coating	1300 (51.18)	700 (27.56)	1930 (75.98)	400 (882)
DryStar Combination	1550 (61.02)	700 (27.56)	1930 (75.98)	610 (1340)
DryStar LYL	1550 (61.02)	700 (27.56)	1930 (75.98)	670 (1480)
DryStar LYYL	1550 (61.02)	700 (27.56)	1930 (75.98)	700 (1545)
Water-cooled				
DryStar Ink	1300 (51.18)	700 (27.56)	1930 (75.98)	480 (1060)
DryStar Coating	1300 (51.18)	700 (27.56)	1930 (75.98)	400 (882)
DryStar Combination	1550 (61.02)	700 (27.56)	1930 (75.98)	620 (1370)

Tab. 13 Dimensions and weights

3.8.2 Slide-in dryers

Slide-in dryer	Length [mm] ([in])	Width [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
DryStar Ink				
IR/hot air slide-in unit	1500 (59.06)	578 (22.80)	260 (10.24)	48 (105.8)
DryStar Coating				
IR/hot air slide-in unit	1500 (59.06)	578 (22.80)	260 (10.24)	48 (105.8)
Suction slide-in unit	1500 (59.06)	227 (8.94)	260 (10.24)	15 (33.1)
DryStar Combination				
IR/hot air slide-in unit (2×)	1500 (59.06)	578 (22.80)	260 (10.24)	48 (105.8)
Suction slide-in unit	1500 (59.06)	227 (8.94)	260 (10.24)	15 (33.1)
Cold air unit	1500 (59.06)	578 (22.80)	260 (10.24)	48 (105.8)
DryStar LYL				
Y dryer	881 (34.68)	407 (16.02)	547 (21.54)	52 (114.6)
IR interdeck dryer (2×), hot air interdeck dryer (1×):				
Dryer unit	940 (37.01)	305 (12.01)	232 (9.13)	19.5 (43.0)
Ventilation system	579 (22.80)	365 (14.37)	508 (20.00)	19.5 (43.0)
DryStar LYYL				
Y dryer (2×), IR interdeck dryer (2×), hot-air interdeck dryer (2×):				
Y dryer	881 (34.68)	407 (16.02)	547 (21.54)	52 (114.6)
Dryer unit	940 (37.01)	305 (12.01)	232 (9.13)	19.5 (43.0)
Ventilation system	579 (22.80)	365 (14.37)	508 (20.00)	19.5 (43.0)

Tab. 14 Dimensions and weights

3.9 DryStar UV (ultraviolet drying)

3.9.1 DryStar UV peripherals

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
Dryer cabinet for 1...3 UV interdeck dryers	1600 (63.00)	700 (27.56)	1930 (75.98)	1000 (2200)
Dryer cabinet for 4...6 UV interdeck dryers	1600 (63.00)	700 (27.56)	1930 (75.98)	1000 (2200)
Dryer cabinet for the final UV dryer	1600 (63.00)	700 (27.56)	1930 (75.98)	1000 (2200)
Supply cabinet	600 (23.62)	700 (27.56)	1930 (75.98)	260 (575)
Blower cabinet	1200 (47.24)	700 (27.56)	1930 (75.98)	400 (880)
Cold air compressor	620 (24.41)	730 (28.74)	1640 (64.57)	200 (440)
Energy distributor	500 (19.69)	200 (7.87)	370 (14.57)	6 (13.2)
Water distributor for the UV interdeck dryers	600 (23.62)	180 (7.09)	540 (21.26)	18 (40)
Air/water heat exchanger				
MK 251 W-N 52/ 62	1360 (53.54)	650 (25.59)	1400 (55.12)	180 (400)
MK 503 W-N 51/ 61	1465 (57.68)	800 (31.50)	1780 (70.08)	440 (970)
MK 803 W-N 51/ 61	2550 (100.39)	800 (31.50)	1780 (70.08)	740 (1635)
MK 1003 W-N 51/ 61	2550 (100.39)	800 (31.50)	1780 (70.08)	772 (1702)
Water/water heat exchanger				
beta.t 40 PW-IST	1000 (39.37)	700 (27.56)	1900 (74.80)	160 (353)
beta.t 60 PW-IST	1000 (39.37)	700 (27.56)	1900 (74.80)	180 (397)
beta.t 80 PW-IST	1000 (39.37)	700 (27.56)	1900 (74.80)	200 (440)

Tab. 15 Dimensions and weights

3.9.2 Slide-in dryers

Slide-in dryer	Length [mm] ([in])	Width [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
DryStar UV				
UV interdeck dryer	935 (36.81)	120 (4.72)	220 (8.66)	25 (55.1)
UV final dryer	1480 (58.27)	530 (20.87)	155 (6.10)	56 (123.5)
Cold air unit	1480 (58.27)	530 (20.87)	155 (6.10)	25 (55.1)

Tab. 16 Dimensions and weights

3.10 InkLine 3000 (automatic ink supply)

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
InkLine 3000	1480 (58.27)	360 (14.17)	675 (26.57) metering unit open	27 (60) per unit

Tab. 17 Dimensions and weights

3.11 InkMove (ink agitator system)

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
InkMove in working position	960 (37.80)	496 (19.53)	176 (6.93)	10 (22) per unit
InkMove in home position	960 (37.80)	276 (10.87)	410 (16.14)	10 (22) per unit

Tab. 18 Dimensions and weights

3.12 Plate punch / plate bending device

Version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Weight [kg] ([lbs])
Plate punch	1530 (60.24)	658 (25.91)	1427 (56.18)	140 (310)
Plate bending device	1530 (60.24)	655 (25.79)	1432 (56.38)	160 (350)

Tab. 19 Dimensions and weights

3.13 Special dimensions of the peripheral equipment

Version	Depth with open doors (90° angle) [mm] ([in])	Height with exhaust-air hood [mm] ([in])
AirStar 3000		
All versions	-	2430 (95.67)
ScrollStar		
ScrollStar	1240 (48.82)	-
HydroStar 3000		
beta.d 60	1300 (51.18)	2430 (95.67)
CombiStar 3000		
beta.c 130	1300 (51.18)	2430 (95.67)
DryStar		
All versions	1215 (47.83)	2430 (95.67)
DryStar UV		
Dryer cabinets for the UV interdeck dryers	1300 (51.18)	-
Dryer cabinet for the final UV dryer	1300 (51.18)	-

Version	Depth with open doors (90° angle) [mm] ([in])	Height with exhaust-air hood [mm] ([in])
Supply cabinet	1300 (51.18)	-
Blower cabinet	-	2532 (99.68)

Tab. 20 Dimensions

3.14 Exhaust hoods

Exhaust hood for version	Width [mm] ([in])	Depth [mm] ([in])	Height [mm] ([in])	Socket diameter [mm] ([in])
AirStar 3000				
All versions	1194 (47.01)	695 (27.36)	500 (19.69)	DN 400 (15.75)
HydroStar 3000				
beta.d 60	986.5 (38.13)	700 (27.56)	503 (19.80)	DN 560 (22.05)
CombiStar 3000				
beta.c 130	768 (30.24)	700 (27.56)	503 (19.80)	DN 560 (22.05)
DryStar				
DryStar Ink, DryStar Coating	950 (37.40)	700 (27.56)	500 (19.69)	DN 315 (12.40)
DryStar Combination, DryStar LYL DryStar LYYL	1017 (40.04)	700 (27.56)	500 (19.69)	DN 400 (15.75)
DryStar UV				
Blower cabinet	1195 (47.05)	700 (27.56)	602 (23.70)	DN 400 (15.75)

Tab. 21 Dimensions

4 Floor space required

4.1 Floor space required by the printing press without DryStar UV in standard installation

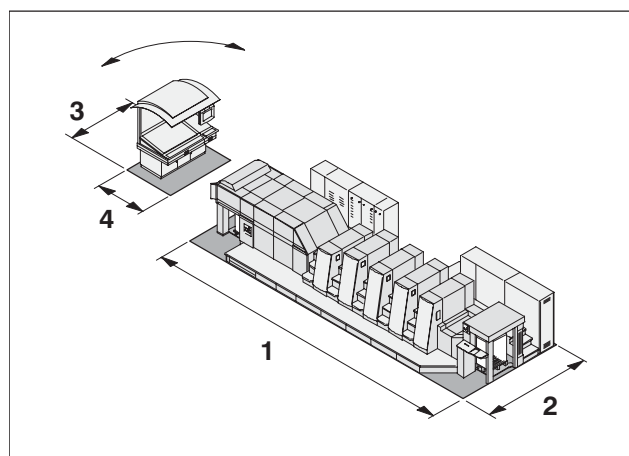


Fig. 5 Floor space required of the printing press without DryStar UV in standard installation

Floor space required by the printing press

1 Length: see table 22

2 Width: see table 22

Floor space required by Prinect Press Center

3 Length: see table 23

4 Width: see table 23

Calculation Floor space required by the printing press:

Contours of the printing press with peripheral units (maximum configuration) in the longitudinal and transverse direction.

The length dimensions in table 22 apply to one printing press without preloading device. Printing presses with attached preloading device are 90 mm (3.54 in) longer. And there is another 1595 mm (62.80 in) for the guide rails.

Calculation Floor space required by Prinect Press Center:

Contours of the Prinect Press Center in longitudinal and lateral direction.

Prinect Press Center can be installed within a radius of 5 m (16.4 ft) (optional 12.5 m (41 ft)) from the delivery.



Note

The following specifications of the floor space required apply only to printing presses that are not equipped with the UV dryer *DryStar UV*.

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5	-	9.74 (31.96)	4.06 (13.33)	39.6 (426.1)
XL 75-5-P	-	10.50 (34.46)	4.06 (13.33)	42.7 (459.5)
XL 75-5 + L	-	10.79 (35.38)	4.06 (13.33)	43.8 (471.8)
	160 cm (63.0 in)	12.41 (40.72)	4.06 (13.33)	50.4 (542.9)
XL 75-5-P + L	-	11.55 (37.89)	4.06 (13.33)	46.9 (505.2)
	160 cm (63.0 in)	13.17 (43.22)	4.06 (13.33)	53.5 (576.3)
XL 75-5 + LYL	160 cm (63.0 in)	14.50 (47.57)	4.06 (13.33)	58.9 (634.2)
	240 cm (94.5 in)	15.31 (50.23)	4.06 (13.33)	62.2 (669.8)
XL 75-5 + LYYL	160 cm (63.0 in)	15.54 (50.99)	4.06 (13.33)	63.2 (679.9)
	240 cm (94.5 in)	16.36 (53.66)	4.06 (13.33)	66.5 (715.4)

Tab. 22 Floor space required of the printing press without DryStar UV in standard installation

Version	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
Prinect Press Center (1)	1.71 (5.61)	1.41 (4.63)	2.4 (26.0)

Tab. 23 Floor space required by Prinect Press Center

(1): Dimensions including standard daylight lamp.
Additional information can be found in chapter *Floor plans*.

4.2 Floor space required by the printing press with DryStar UV in standard installation

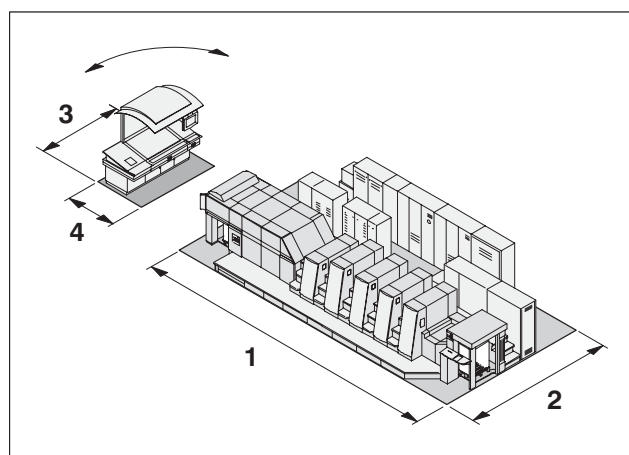


Fig. 6 Floor space required by the printing press with DryStar UV in standard installation

Floor space required by the printing press

- 1 Length: see table 24
- 2 Width: see table 24

Floor space required by Prinect Press Center

- 3 Length: see table 25
- 4 Width: see table 25

Calculation Floor space required by the printing press:

Contours of the printing press with peripheral units (maximum configuration) in the longitudinal and transverse direction.

The length dimensions in table 24 apply to one printing press without preloading device. Printing presses with attached preloading device are 90 mm (3.54 in) longer. And there is another 1595 mm (62.80 in) for the guide rails.

Calculation Floor space required by Prinect Press Center:

Contours of the Prinect Press Center in longitudinal and lateral direction.

Prinect Press Center can be installed within a radius of 5 m (16.4 ft) (optional 12.5 m (41 ft)) from the delivery.



Note

The following specifications of the floor space required apply only to printing presses that are equipped with the UV dryer *DryStar UV*.

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5	160 cm (63.0 in)	11.37 (37.29)	5.76 (18.91)	65.5 (705.2)
XL 75-5 + L	160 cm (63.0 in)	12.41 (40.72)	5.76 (18.91)	71.5 (770.0)
	240 cm (94.5 in)	13.22 (43.38)	5.76 (18.91)	76.2 (820.4)
XL 75-5 + LYL	160 cm (63.0 in)	14.50 (47.57)	5.76 (18.91)	83.6 (899.5)
	240 cm (94.5 in)	15.31 (50.23)	5.76 (18.91)	88.3 (949.9)

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5 + LYYL	160 cm (63.0 in)	15.54 (50.99)	5.76 (18.91)	89.6 (964.3)
	240 cm (94.5 in)	16.36 (53.66)	5.76 (18.91)	94.3 (1014.7)

Tab. 24 Floor space required by the printing press with DryStar UV in standard installation

Version	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
Prinect Press Center ⁽¹⁾	1.71 (5.61)	1.41 (4.63)	2.4 (26.0)

Tab. 25 Floor space required by Prinect Press Center

(1): Dimensions including standard daylight lamp.
Additional information can be found in chapter *Floor plans*.

4.3 Floor space required by the printing press without DryStar UV in elevated installation

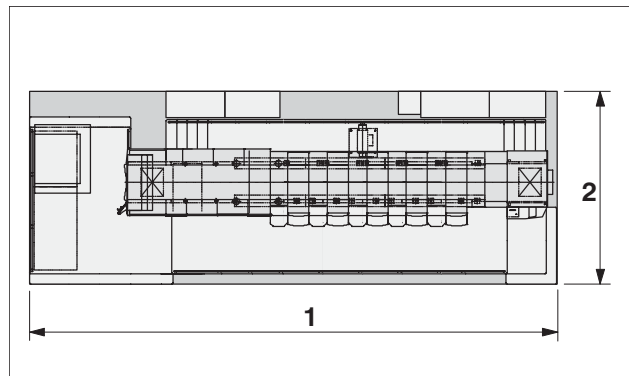


Fig. 7 Floor space required by the printing press without DryStar UV in elevated installation

- 1 Length: see table 26
- 2 Width: see table 26

Calculation *Floor space required by the printing press*:

Contours of the printing press with peripheral units (maximum configuration) in the longitudinal and transverse direction.

The length dimensions in table 26 apply to one printing press without preloading device. The distance from the beginning of the guide rails of a preloading device to the footboard on O.S. is 1449 mm (57.05 in).

► **Note**
The following specifications of the floor space required apply only to printing presses that are not equipped with the UV dryer *DryStar UV*.

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5	-	12.31 (40.38)	5.09 (16.70)	62.6 (674.2)
XL 75-5-P	-	13.07 (42.89)	5.09 (16.70)	66.5 (716.1)
XL 75-5 + L	-	13.35 (43.81)	5.09 (16.70)	68.0 (731.4)
	160 cm (63.0 in)	14.98 (49.14)	5.09 (16.70)	76.2 (820.5)
XL 75-5-P + L	-	14.12 (46.31)	5.09 (16.70)	71.8 (773.3)
	160 cm (63.0 in)	15.74 (51.65)	5.09 (16.70)	80.1 (862.3)
XL 75-5 + LYL	160 cm (63.0 in)	17.07 (55.99)	5.09 (16.70)	86.8 (934.8)
	240 cm (94.5 in)	17.88 (58.66)	5.09 (16.70)	91.0 (979.4)

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5 + LYYL	160 cm (63.0 in)	18.11 (59.42)	5.09 (16.70)	92.2 (992.0)
	240 cm (94.5 in)	18.92 (62.08)	5.09 (16.70)	96.3 (1036.5)

Tab. 26 Floor space required by the printing press without DryStar UV in elevated installation

Additional information can be found in chapter *Floor plans*.

4.4 Floor space required by the printing press with DryStar UV in elevated installation

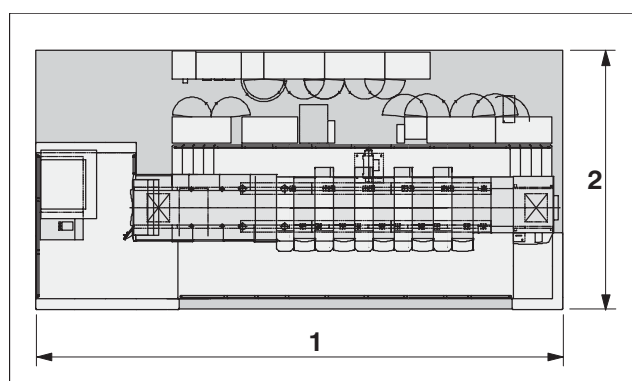


Fig. 8 Floor space required by the printing press with DryStar UV in elevated installation

1 Length: see table 27

2 Width: see table 27

Calculation Floor space required by the printing press:

Contours of the printing press with peripheral units (maximum configuration) in the longitudinal and transverse direction.

The length dimensions in table 27 apply to one printing press without preloading device. The distance from the beginning of the guide rails of a preloading device to the footboard on O.S. is 1449 mm (57.05 in).



Note

The following specifications of the floor space required apply only to printing presses that are equipped with the UV dryer *DryStar UV*.

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5	160 cm (63.0 in)	13.93 (45.72)	6.79 (22.27)	94.6 (1018.3)
XL 75-5 + L	160 cm (63.0 in)	14.98 (49.14)	6.79 (22.27)	101.7 (1094.5)
	240 cm (94.5 in)	15.79 (51.81)	6.79 (22.27)	107.2 (1153.9)
XL 75-5 + LYL	160 cm (63.0 in)	17.07 (55.99)	6.79 (22.27)	115.9 (1247.1)
	240 cm (94.5 in)	17.88 (58.66)	6.79 (22.27)	121.4 (1306.5)
XL 75-5 + LYYL	160 cm (63.0 in)	18.11 (59.42)	6.79 (22.27)	122.9 (1323.4)
	240 cm (94.5 in)	18.92 (62.08)	6.79 (22.27)	128.5 (1382.8)

Tab. 27 Floor space required by the printing press with DryStar UV in elevated installation

Additional information can be found in chapter *Floor plans*.

5 Minimum working space required

5.1 Minimum working space required by the printing press without DryStar UV in standard installation

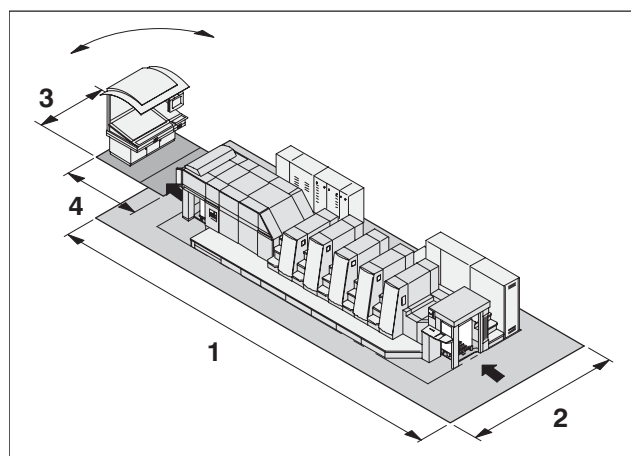


Fig. 9 Minimum working space required by the printing press without DryStar UV in standard installation

Minimum working space required by the printing press

1 Length: see table 28

2 Width: see table 28

Minimum working space required by the Prinect Press Center

3 Length: see table 29

4 Width: see table 29

Calculation Minimum working space required by the printing press:

Floor space required by the printing press plus additional space for loading and removing piles and for good accessibility to all machine components and peripheral units.

The dimensions in table 28 apply to loading and removing piles from the front side. Loading (from D.S.) and removing (from D.S. or O.S.) the piles laterally permits the length of the working space required to be reduced as follows:

- Feeder: 0.9 m (2.95 ft);
- Delivery: 0.9 m (2.95 ft).

The central control cabinet ZSG must be installed outside the pile loading range so that lateral pile loading from D.S. is possible. The footboard on D.S. must also be adjusted.

Calculation Minimum working space required by Prinect Press Center:

Floor space required by the Prinect Press Center plus an additional surface in the operator area.



Note

The following specifications of the minimum working space required apply only to printing presses that are not equipped with the UV dryer DryStar UV.

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5	-	12.76 (41.86)	5.50 (18.06)	70.2 (756.0)
XL 75-5-P	-	13.52 (44.37)	5.50 (18.06)	74.4 (801.2)
XL 75-5 + L	-	13.80 (45.29)	5.50 (18.06)	76.0 (817.8)
	160 cm (63.0 in)	15.43 (50.62)	5.50 (18.06)	84.9 (914.1)
XL 75-5-P + L	-	14.57 (47.79)	5.50 (18.06)	80.2 (863.1)
	160 cm (63.0 in)	16.19 (53.13)	5.50 (18.06)	89.1 (959.4)

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5 + LYL	160 cm (63.0 in)	17.52 (57.47)	5.50 (18.06)	96.4 (1037.8)
	240 cm (94.5 in)	18.33 (60.14)	5.50 (18.06)	100.9 (1086.0)
XL 75-5 + LYYL	160 cm (63.0 in)	18.56 (60.90)	5.50 (18.06)	102.2 (1099.7)
	240 cm (94.5 in)	19.37 (63.56)	5.50 (18.06)	106.6 (1147.8)

Tab. 28 Minimum working space required by the printing press without DryStar UV in standard installation

Version	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
Prinect Press Center (1)	1.71 (5.61)	2.28 (7.48)	4.0 (42.9)

Tab. 29 Minimum working space required by the Prinect Press Center

(1): Dimensions including standard daylight lamp.

5.2 Minimum working space required by the printing press with DryStar UV in standard installation

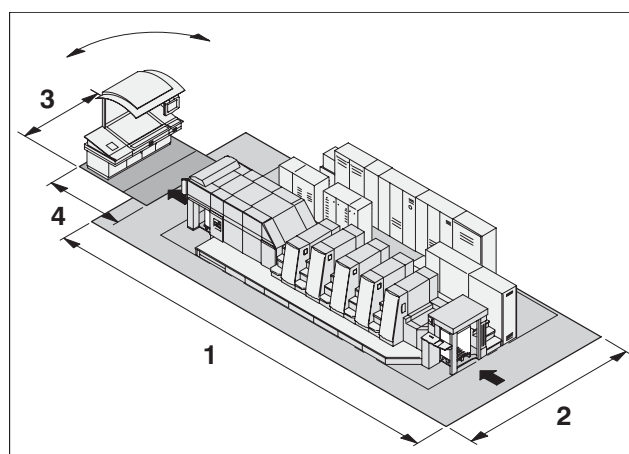


Fig. 10 Minimum working space required by the printing press with DryStar UV in standard installation

Minimum working space required by the printing press

1 Length: see table 30

2 Width: see table 30

Minimum working space required by the Prinect Press Center

3 Length: see table 31

4 Width: see table 31

Calculation Minimum working space required by the printing press:

Floor space required by the printing press plus additional space for loading and removing piles and for good accessibility to all machine components and peripheral units.

The dimensions in table 30 apply to loading and removing piles from the front side. Lateral loading (from D.S.) and removing (from D.S. or O.S.) the piles permits the length of the floor space required to be reduced as follows:

- Feeder: 0.9 m (2.95 ft);
- Delivery: 0.9 m (2.95 ft).

The central control cabinet ZSG must be installed outside the pile loading range so that lateral pile loading from D.S. is possible. The footboard on D.S. must also be adjusted.

Calculation Minimum working space required by Prinect Press Center:

Floor space required by the Prinect Press Center plus an additional surface in the operator area.

► **Note**
The following specifications of the minimum working space required apply only to printing presses that are equipped with the UV dryer *DryStar UV*.

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5	160 cm (63.0 in)	14.39 (47.20)	6.55 (21.50)	94.3 (1014.9)
XL 75-5 + L	160 cm (63.0 in)	15.43 (50.62)	6.55 (21.50)	101.1 (1088.5)
	240 cm (94.5 in)	16.24 (53.29)	6.55 (21.50)	106.5 (1145.9)
XL 75-5 + LYL	160 cm (63.0 in)	17.52 (57.47)	6.55 (21.50)	114.8 (1235.8)
	240 cm (94.5 in)	18.33 (60.14)	6.55 (21.50)	120.1 (1293.2)
XL 75-5 + LYYL	160 cm (63.0 in)	18.56 (60.90)	6.55 (21.50)	121.7 (1309.5)
	240 cm (94.5 in)	19.37 (63.56)	6.55 (21.50)	127.0 (1366.8)

Tab. 30 Minimum working space required by the printing press with DryStar UV in standard installation

Version	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
Prinect Press Center (1)	1.71 (5.61)	2.28 (7.48)	4.0 (42.9)

Tab. 31 Minimum working space required by the Prinect Press Center

(1): Dimensions including standard daylight lamp.

5.3 Minimum working space required by the printing press without DryStar UV in elevated installation

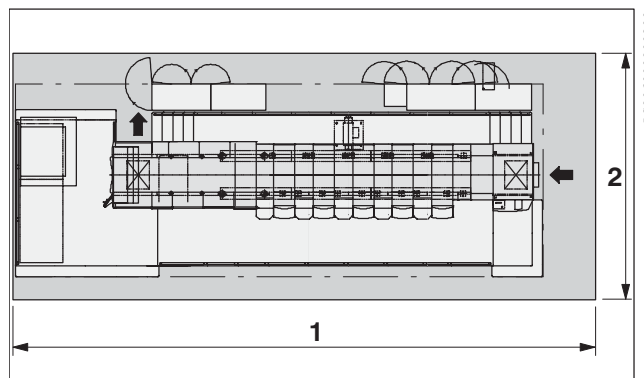


Fig. 11 Minimum working space required by the printing press without DryStar UV in elevated installation

- 1 Length: see table 32
- 2 Width: see table 32

Calculation Minimum working space required by the printing press:

Floor space required by the printing press plus additional space for loading and removing piles and for good accessibility to all machine components and peripheral units.

The dimensions in table 32 refer to pile loading at the front side and lateral pile removal (from D.S.).

► **Note**
The following specifications of the minimum working space required apply only to printing presses that are not equipped with the UV dryer *DryStar UV*.

Press version	Extended delivery	Length [m] ([ft])	Width [m] ([ft])	Floor space [m ²] ([sq ft])
XL 75-5	-	13.91 (45.63)	6.29 (20.63)	87.5 (941.5)
XL 75-5-P	-	14.67 (48.14)	6.29 (20.63)	92.3 (993.2)

Press version		Length [m] ([ft])	Width [m] ([ft])	Floor space [m²] ([sq ft])
	Extended delivery			
XL 75-5 + L	-	14.95 (49.06)	6.29 (20.63)	94.0 (1012.2)
	160 cm (63.0 in)	16.58 (54.39)	6.29 (20.63)	104.3 (1122.2)
XL 75-5-P + L	-	15.72 (51.56)	6.29 (20.63)	98.8 (1063.9)
	160 cm (63.0 in)	17.34 (56.90)	6.29 (20.63)	109.1 (1173.9)
XL 75-5 + LYL	160 cm (63.0 in)	18.67 (61.24)	6.29 (20.63)	117.4 (1263.6)
	240 cm (94.5 in)	19.48 (63.91)	6.29 (20.63)	122.5 (1318.6)
XL 75-5 + LYYL	160 cm (63.0 in)	19.71 (64.67)	6.29 (20.63)	124.0 (1334.3)
	240 cm (94.5 in)	20.52 (67.33)	6.29 (20.63)	129.1 (1389.3)

Tab. 32 Minimum working space required by the printing press without DryStar UV in elevated installation

5.4 Minimum working space required by the printing press with DryStar UV in elevated installation

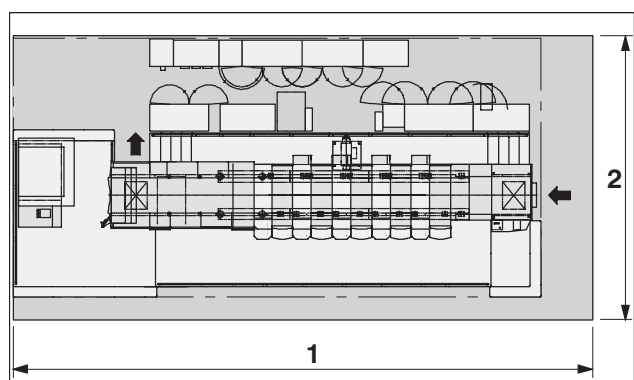


Fig. 12 Minimum working space required by the printing press with DryStar UV in elevated installation

1 Length: see table 33

2 Width: see table 33

Calculation Minimum working space required by the printing press:

Floor space required by the printing press plus additional space for loading and removing piles and for good accessibility to all machine components and peripheral units.

The dimensions in table 33 refer to pile loading at the front side and lateral pile removal (from D.S.).



Note

The following specifications of the minimum working space required apply only to printing presses that are equipped with the UV dryer DryStar UV.

Press version		Length [m] ([ft])	Width [m] ([ft])	Floor space [m²] ([sq ft])
	Extended delivery			
XL 75-5	160 cm (63.0 in)	15.53 (50.96)	7.34 (24.08)	114.0 (1227.1)
XL 75-5 + L	160 cm (63.0 in)	16.58 (54.39)	7.34 (24.08)	121.7 (1309.6)
	240 cm (94.5 in)	17.39 (57.06)	7.34 (24.08)	127.6 (1373.8)
XL 75-5 + LYL	160 cm (63.0 in)	18.67 (61.24)	7.34 (24.08)	137.0 (1474.6)
	240 cm (94.5 in)	19.48 (63.91)	7.34 (24.08)	143.0 (1538.8)
XL 75-5 + LYYL	160 cm (63.0 in)	19.71 (64.67)	7.34 (24.08)	144.7 (1557.0)
	240 cm (94.5 in)	20.52 (67.33)	7.34 (24.08)	150.6 (1621.2)

Tab. 33 Minimum working space required by the printing press with DryStar UV in elevated installation

6 Foundation dimensions

6.1 Dimensions of the foundation for standard installations

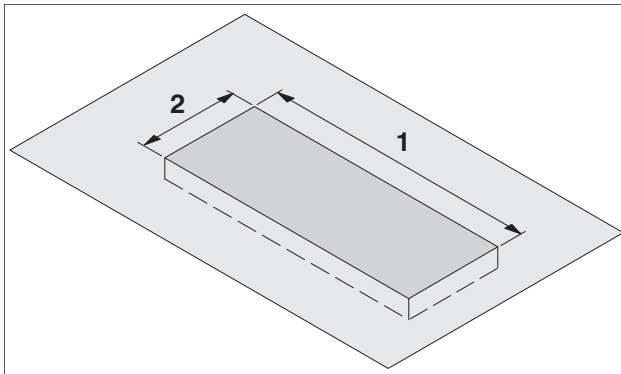


Fig. 13 Dimensions of the foundation plate (sketch)

- 1 Length: see Table 34 for printing presses without DryStar UV
see Table 35 for printing presses with DryStar UV
 - 2 Width:
Recommended: 1500 mm (59.06 in),
Minimum: 1300 mm (51.18 in)
- The surface requirement of the main drive is not included in the dimensions of the foundation.
 - For all foundation work it is recommended that high-density concrete of the concrete property class C30/37 according to EN 206/1 is used.
 - Notes on foundation settling: see chapter *Press weights and floor loads*.

Recommended foundation length for the printing press without DryStar UV in standard installation

Press version	Extended delivery	Recommended foundation length for standard installations [mm] ([in])
XL 75-5	-	9560 (376.39)
XL 75-5-P	-	10320 (406.30)
XL 75-5 + L	-	10600 (417.32)
	160 cm (63.0 in)	12230 (481.50)
XL 75-5-P + L	-	11370 (447.62)
	160 cm (63.0 in)	12990 (511.42)
XL 75-5 + LYL	160 cm (63.0 in)	14320 (563.78)
	240 cm (94.5 in)	15130 (595.66)
XL 75-5 + LYYL	160 cm (63.0 in)	15360 (604.72)
	240 cm (94.5 in)	16170 (636.61)

Tab. 34 Recommended foundation length for the printing press without DryStar UV in standard installation

Recommended foundation length for the printing press with DryStar UV in standard installation

Press version	Extended delivery	Recommended foundation length for standard installations [mm] ([in])
XL 75-5	160 cm (63.0 in)	11190 (440.55)
XL 75-5 + L	160 cm (63.0 in)	12230 (481.50)
	240 cm (94.5 in)	13040 (513.38)
XL 75-5 + LYL	160 cm (63.0 in)	14320 (563.78)
	240 cm (94.5 in)	15130 (595.67)

Press version	Extended delivery	Recommended foundation length for standard installations [mm] ([in])
XL 75-5 + LYYL	160 cm (63.0 in)	15360 (604.72)
	240 cm (94.5 in)	16170 (636.61)

Tab. 35 Recommended foundation length for the printing press with DryStar UV in standard installation

6.2 Dimensions of the foundation for elevated installations

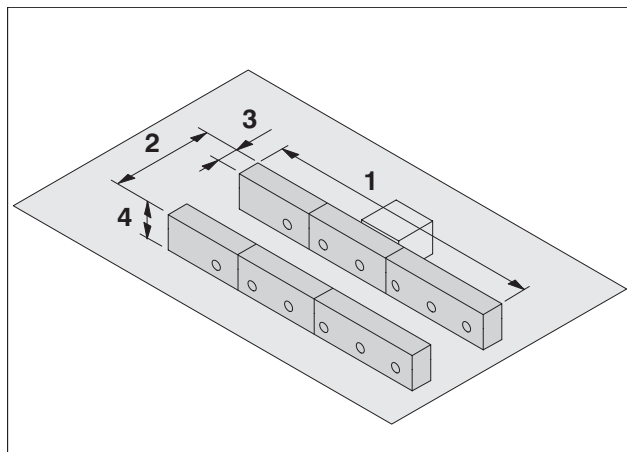


Fig. 14 Dimensions of the foundation strips for elevated installations (diagram)

- 1 Length: see Table 38 for printing presses without DryStar UV
see Table 39 for printing presses with DryStar UV
- 2 Width: 1295 mm (50.98 in)
- 3 Stripe width: 300 mm (11.81 in)
- 4 Height: 550 mm (21.65 in)

- A safe installation of the foundation strips requires adequate foundations to exist all over the potential installation area of the printing press. Inspection by a structural engineer is absolutely necessary.
- Foundation strips are usually made of individual segments; but they can also be made on site in the form of continuous strips.
The decision as to whether complete strips or single segments are to be preferred mainly depends on the conditions of the ground at the future location of the printing press.
- To provide for an easy installation of cables and hoses, the foundation strips should have circular openings.

Distance of the openings from the floor [mm] ([in])	Diameter of the openings [mm] ([in])
200 (7.87)	200 (7.87)

Tab. 36 Position and diameter of the openings

- The main motor must be mounted on a separate mounting base. Due to technical reasons, the motor mounting base cannot be mounted before the installation of the printing press.

Dimensions of the motor mounting base [mm] ([in])	
Length	750 (29.53)
Width	770 (30.31)
Height	550 (21.65)

Tab. 37 Dimensions of the motor mounting base

- For all foundation work it is recommended that high-density concrete of the concrete property class C30/37 according to EN 206/1 is used.
- Notes on foundation settling: see chapter *Press weights and floor loads*.
- For the positioning of the foundation strip segments and the motor mounting base, see the floor plans in the chapter *Floor plans*.
- Additional information about the design of the foundation strips and the motor mounting base can be found in the document *Technical information XL 75*.

Foundation length for the printing press without DryStar UV in elevated installation

Press version	Foundation strips with elevated installation [mm] ([in])	
	Minimum	Maximum
XL 75-5	6570 (258.66)	6635 (261.22)
XL 75-5-P	7334 (288.74)	7399 (291.30)
XL 75-5 + L	7610 (299.61)	7680 (302.36)
XL 75-5-P + L	8374 (329.68)	8444 (332.44)
XL 75-5 + LYL	9700 (381.89)	9770 (384.64)
XL 75-5 + LYYL	10740 (422.83)	10810 (425.59)

Tab. 38 Foundation length for the printing press without DryStar UV in elevated installation

Foundation length for the printing press with DryStar UV in elevated installation

Press version	Foundation strips with elevated installation [mm] ([in])	
	Minimum	Maximum
XL 75-5	6570 (258.66)	6635 (261.22)
XL 75-5 + L	7610 (299.61)	7680 (302.36)
XL 75-5 + LYL	9700 (381.89)	9770 (384.64)
XL 75-5 + LYYL	10740 (422.83)	10810 (425.59)

Tab. 39 Foundation length for the printing press without DryStar UV in elevated installation

Length of the foundation strip segments for printing presses without DryStar UV

Press version	Length of the foundation strip segments [mm] ([in])	Total (theoretical) [mm] ([in])
	Delivery <- feeder	
XL 75-5	1885 (74.21) 2088 (82.20) 2650 (104.33)	6623 (260.75)
XL 75-5-P2	1885 (74.21) 2088 (82.20) 3414 (134.41)	7387 (290.83)
XL 75-5-P3	1885 (74.21) 2852 (112.28) 2650 (104.33)	7387 (290.83)
XL 75-5 + L	2929 (115.31) 2088 (82.20) 2650 (104.33)	7667 (301.85)

Press version	Length of the foundation strip segments [mm] ([in])	Total (theoretical) [mm] ([in])
	Delivery <- feeder	
XL 75-5-P2 + L	2929 (115.31) 2088 (82.20) 3414 (134.41)	8431 (331.93)
XL 75-5-P3 + L	2929 (115.31) 2852 (112.28) 2650 (104.33)	8431 (331.93)
XL 75-5 + LYL	2929 (115.31) 2088 (82.20) 2088 (82.20) 2650 (104.33)	9755 (384.64)
XL 75-5 + LYYL	1885 (74.21) 3x 2088 (82.20) 2650 (104.33)	10799 (425.16)

Tab. 40 Length of the foundation strip segments for printing presses without DryStar UV

Length of the foundation strip segments for printing presses with DryStar UV

Press version	Length of the foundation strip segments [mm] ([in])	Total (theoretical) [mm] ([in])
	Delivery <- feeder	
XL 75-5	1885 (74.21) 2088 (82.20) 2650 (104.33)	6623 (260.75)
XL 75-5 + L	2929 (115.31) 2088 (82.20) 2650 (104.33)	7667 (301.85)
XL 75-5 + LYL	2929 (115.31) 2088 (82.20) 2088 (82.20) 2650 (104.33)	9755 (384.64)
XL 75-5 + LYYL	1885 (74.21) 3x 2088 (82.20) 2650 (104.33)	10799 (425.16)

Tab. 41 Length of the foundation strip segments for printing presses with DryStar UV

7 Press weights and floor loads

7.1 Press weights and floor loads

Press weight and floor load values of the printing press without DryStar UV in standard installation

Press version	Extended delivery	Press weight for standard installations [kg] ([lbs])		Average static floor load for standard installations [N/m ²] ([lbf/sq ft])
		Without pile	Including two piles (F format)	
XL 75-5	-	27120 (59789)	28010 (61751)	8512 (177.8)
XL 75-5-P	-	29120 (64199)	30010 (66161)	8457 (176.7)
XL 75-5 + L	-	30670 (67616)	31560 (69578)	8662 (181.0)
	160 cm (63.0 in)	31560 (69578)	32450 (71540)	7740 (161.7)
XL 75-5-P + L	-	32670 (72025)	33560 (73987)	8602 (179.7)
	160 cm (63.0 in)	33560 (73987)	34450 (75949)	7741 (161.7)
XL 75-5 + LYL	160 cm (63.0 in)	38660 (85231)	39550 (87193)	8075 (168.7)
	240 cm (94.5 in)	39760 (87656)	40650 (89618)	7859 (164.2)
XL 75-5 + LYYL	160 cm (63.0 in)	42210 (93057)	43100 (95019)	8209 (171.5)
	240 cm (94.5 in)	43310 (95482)	44200 (97444)	8000 (167.1)

Tab. 42 Press weight and floor load values of the printing press without DryStar UV in standard installation

Press weight and floor load values of the printing press with DryStar UV in standard installation

Press version	Extended delivery	Press weight for standard installations [kg] ([lbs])		Average static floor load for standard installations [N/m ²] ([lbf/sq ft])
		Without pile	Including two piles (F format)	
XL 75-5	160 cm (63.0 in)	28010 (61751)	28900 (64714)	7526 (157.2)
XL 75-5 + L	160 cm (63.0 in)	31560 (69578)	32450 (71540)	7740 (161.7)
	240 cm (94.5 in)	32660 (72003)	33550 (73965)	7511 (156.9)
XL 75-5 + LYL	160 cm (63.0 in)	38660 (85231)	39550 (87193)	8075 (168.7)
	240 cm (94.5 in)	39760 (87656)	40650 (89618)	7859 (164.2)
XL 75-5 + LYYL	160 cm (63.0 in)	42210 (93057)	43100 (95019)	8209 (171.5)
	240 cm (94.5 in)	43310 (95482)	44200 (97444)	8000 (167.1)

Tab. 43 Press weight and floor load values of the printing press with DryStar UV in standard installation

Press weights of the printing press without DryStar UV in elevated installation

Press version	Extended delivery	Press weight for elevated installations [kg] ([lbs])	
		Without pile	Including two piles (F format)
XL 75-5	-	29090 (64132)	30470 (67175)
XL 75-5-P	-	31090 (68542)	32470 (71584)
XL 75-5 + L	-	32640 (71959)	34020 (75001)
	160 cm (63.0 in)	33530 (73921)	34910 (76963)
XL 75-5-P + L	-	34640 (76368)	36020 (79410)
	160 cm (63.0 in)	35530 (78330)	36910 (81373)
XL 75-5 + LYL	160 cm (63.0 in)	40630 (89574)	42010 (92616)
	240 cm (94.5 in)	41730 (92000)	43110 (95041)
XL 75-5 + LYYL	160 cm (63.0 in)	44180 (97400)	45560 (100442)
	240 cm (94.5 in)	45280 (99825)	46660 (102868)

Tab. 44 Press weights of the printing press without DryStar UV in elevated installation

Press weights of the printing press with DryStar UV in elevated installation

Press version	Extended delivery	Press weight for elevated installations [kg] ([lbs])	
		Without pile	Including two piles (F format)
XL 75-5	160 cm (63.0 in)	29980 (66095)	31360 (69137)
XL 75-5 + L	160 cm (63.0 in)	33530 (73921)	34910 (76963)
	240 cm (94.5 in)	34630 (76346)	36010 (79388)
XL 75-5 + LYL	160 cm (63.0 in)	40630 (89574)	42010 (92616)
	240 cm (94.5 in)	41730 (92000)	43110 (95041)
XL 75-5 + LYYL	160 cm (63.0 in)	44180 (97400)	45560 (100442)
	240 cm (94.5 in)	45280 (99825)	46660 (102868)

Tab. 45 Press weights of the printing press with DryStar UV in elevated installation

- Press weight is the total weight of the press without peripheral units (also without central control cabinet).
- Weight of the peripheral units: see chapter *Dimensions and weights of the peripheral units*.
- Weight of the central control cabinet: 1150 kg (2535 lbs).
- Calculation of the paper pile weight at a paper density of 1 kg/dm³ (0.036 lbs/cu in).
This corresponds to coarse paper of a grammage of 90 g/m² (198 gr/sq ft).

Weight of the press components

Machine component	Weight [kg] ([lbs])
Feeder	1910 (4210)
Printing unit ⁽¹⁾	4330 (9545)
Printing unit with perfector ⁽¹⁾	6330 (13960)
Coating unit ⁽²⁾	3550 (7830)
Intermediate unit ⁽²⁾	3350 (7385)
Delivery without extension module	3560 (7850)
Extended delivery 160 cm (63.0 in)	4450 (9810)
Extended delivery 240 cm (94.5 in)	5550 (12240)

Tab. 46 Weights

(1): including inking rollers (180 kg (400 lbs)) and footboards (80 kg (177 lbs)).

(2): including footboards (80 kg (177 lbs)).



Note

Printing presses that are equipped with the DryStar UV dryer cannot be equipped with a perfector.

Average static floor load

Average static floor load: see

- Table 42 for printing presses without DryStar UV
- Table 43 for printing presses with DryStar UV

Calculation of the average static floor load:

Ratio of press weight including two piles and floor space required by the printing press (including foot-board) without peripheral equipment.

Maximum static surface pressure

The maximum static surface pressure defines the maximum surface pressure occurring underneath the adjustable bases of the printing units and/or the coating unit.

The maximum static surface pressure for presses in the XL 75 product line: 120 N/cm² (174 lbf/sq in).

This value takes into account the fact that the printing units sit on four feet and are therefore geometrically unstable. The surface of an adjustable base is:

- for the printing unit: 182 cm² (28.21 sq in),
- for a coating unit: 182 cm² (28.21 sq in).

Foundation settling

The absolute subsidence of the foundation after installing and before assembling the printing units is of no significance for the printing press.

Once the press has been installed and aligned, any further non-uniform settling of the foundation must not exceed 0.03 mm/m (0.36 mil/ft). This limit applies to both longitudinal direction (bending) and transverse direction (torsion).

A uniform settling of the foundation which does not cause the press to become deformed has no negative side effects.

Limits of flatness tolerances

The maximum limit for flatness tolerances of a surface-finished press foundation is 15 mm (0.59 in).

The flatness tolerances can be determined by measuring the surface of the press foundation diagonally. In addition, two measurements should be made in the areas where the leveling blocks are to be positioned.

For additional information and the allowed flatness tolerances refer to the standard DIN 18202.

Dynamic behavior

The sum of the dynamic forces the printing press applies on the foundation is a maximum of 4 % of the weight force.

General guidance values

- Floor or ceiling carrying capacity of the press-room: 3000 kg/m² (614.5 lbs/sq ft) (corresponds to 29430 N/m² (614.8 lbf/sq ft)).
- Minimum plate thickness with resiliently embedded base plates (e.g. concrete on soil): 30 cm (11.81 in) (concrete quality C30/37).
- Average density of heavy-duty concrete of the concrete property class C30/37 and concrete group XC1:
approximately 1.9...2.8 kg/dm³
(0.067...0.101 lbs/cu in).

**Note**

For further information on press foundation specifications refer to the *Technical information XL 75* document.

8 Electrical connection specifications, general information

8.1 Mains connection of the printing press

The printing press is generally connected to the 3-phase mains via the central control cabinet (ZSG).

The operating voltage of the printing press is AC 400 V.

A direct connection is possible with a mains frequency of 50 Hz and mains voltage of AC 380, 400, and 415 V. Otherwise you will have to make adjustments to meet the corresponding mains power. The adaptation is made via series transformers and matching transformers.

The total power requirement of the printing press includes the power demand of the following peripheral units:

- Prinect Press Center/Prinect Press Center with Prinect Axis Control;
- AirStar 3000;
- ScrollStar/ ScrollStar Plus II;
- Standard varnish supply unit (for printing presses with coating unit);
- InkLine 3000/InkMove.

Variant/option:

- Without inking unit temperature control: HydroStar 3000;
- With inking unit temperature control: CombiStar 3000;
- CoatingStar (for printing presses with coating unit).

The electrical connection specifications of the printing press are listed in the following chapters:

- *Electrical connection specifications, printing press with 4 printing units;*
- *Electrical connection specifications, printing press with 5 printing units;*
- *Electrical connection specifications, printing press with 6 printing units;*
- *Electrical connection specifications, printing press with 7 printing units;*
- *Electrical connection specifications, printing press with 8 printing units;*
- *Electrical connection specifications, printing press with 10 printing units;*
- *Electrical connection specifications, printing press with 12 printing units.*

Additional information about the topic *mains connection of the printing press* can be found in the document *Technical Information XL 75*.

8.2 Using LVHBC fuses

When using the LVHBC fuse, you may reckon with a minimum difference between the fuse value and the nominal current of 10 %. Please note the installation requirements listed in the publication *Technical information XL 75*.

Typical calculation:

Nominal current of the printing press: $I_n = 190 \text{ A}$

Rated value of the LVHBC fuse:

$1.1 \cdot I_n = 1.1 \cdot 190 \text{ A} = 209 \text{ A}$

LVHBC fuse to be used = 224 A

8.3 Maximum short-circuit current I_{cu}

The term "rated ultimate short-circuit breaking capacity" I_{cu} defines the maximum short-circuit the selected circuit-breaker is able to interrupt.

Further information about the topic *Rated ultimate short-circuit breaking capacity* can be found in the IEC/EN 60947 Standard Specification.

8.4 Mains connection of the DryStar IR dryers and DryStar UV dryers

The power supply unit for the DryStar IR dryers and DryStar UV dryers on the XL 75 product line printing presses is set up through a separate three-phase alternating current mains connection. The electrical connection specifications are contained in the following chapters *Electrical connection specifications of the DryStar infrared dryer* and *Electrical connection specifications of the DryStar UV dryers*.

Additional information about the topic *mains connection of the printing press* can be found in the document *Technical Information XL 75*.

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9 Electrical connection specifications, printing press with 5 printing units

9.1 Printing press without inking unit temperature control

Press version	Printing press without inking unit temperature control (with HydroStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
XL 75-5	69.5	0.84	200	238	315	30	30
			220	217	315	30	30
			230	207	315	30	30
			240	199	250	30	30
			350	136	200	25	
			380	125	160	25	
			400	119	160	25	
			415	115	160	25	
			440	108	160	25	25
			480	99	125		25
			600	79	100		18
XL 75-5-P2	74.5	0.84	200	256	400	30	30
			220	232	315	30	30
			230	222	315	30	30
			240	213	315	30	30
			350	146	200	25	
			380	134	200	25	
			400	128	160	25	
			415	123	160	25	
			440	116	160	25	25
			480	106	160		25
			600	85	125		18
XL 75-5-P3	71.5	0.84	200	245	315	30	30
			220	223	315	30	30
			230	213	315	30	30
			240	204	315	30	30
			350	140	200	25	
			380	129	160	25	
			400	122	160	25	
			415	118	160	25	
			440	111	160	25	25
			480	102	160		25
			600	81	125		18

Press version	Printing press without inking unit temperature control (with HydroStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
XL 75-5 + L	without CoatingStar						
	73.0	0.84	200	250	315	30	30
			220	228	315	30	30
			230	218	315	30	30
			240	209	315	30	30
			350	143	200	25	
			380	132	200	25	
			400	125	160	25	
			415	120	160	25	
			440	114	160	25	25
			480	104	160		25
			600	83	125		18
	with CoatingStar						
	83.0	0.84	200	285	400	30	30
			220	259	400	30	30
			230	248	315	30	30
			240	237	315	30	30
			350	163	224	25	
			380	150	200	25	
			400	142	200	25	
			415	137	200	25	
			440	129	160	25	25
			480	118	160		25
			600	95	125		18
XL 75-5-P2+L	without CoatingStar						
	79.5	0.84	200	273	400	30	30
			220	248	315	30	30
			230	237	315	30	30
			240	227	315	30	30
			350	156	200	25	
			380	143	200	25	
			400	136	200	25	
			415	131	200	25	
			440	124	160	25	25
			480	113	160		25
			600	91	125		18

Press version	Printing press without inking unit temperature control (with HydroStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
	with CoatingStar						
	89.0	0.84	200	305	400	30	30
			220	278	400	30	30
			230	266	400	30	30
			240	254	315	30	30
			350	174	224	25	
			380	161	200	25	
			400	152	200	25	
			415	147	200	25	
			440	139	200	25	25
			480	127	160		25
			600	102	125		18
XL 75-5-P3 + L	without CoatingStar						
	78.0	0.84	200	268	400	30	30
			220	243	315	30	30
			230	233	315	30	30
			240	223	315	30	30
			350	153	200	25	
			380	141	200	25	
			400	134	200	25	
			415	129	160	25	
			440	121	160	25	25
			480	111	160		25
			600	89	125		18
	with CoatingStar						
	87.5	0.84	200	300	400	30	30
			220	273	400	30	30
			230	261	400	30	30
			240	250	315	30	30
			350	171	224	25	
			380	158	200	25	
			400	150	200	25	
			415	144	200	25	
			440	136	200	25	25
			480	125	160		25
			600	100	125		18

Press version	Printing press without inking unit temperature control (with HydroStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
XL 75-5 + LYL	without CoatingStar						
	79.0	0.83	200	274	400	30	30
			220	249	315	30	30
			230	238	315	30	30
			240	229	315	30	30
			350	157	200	25	
			380	144	200	25	
			400	137	200	25	
			415	132	200	25	
			440	124	160	25	25
			480	114	160		25
			600	91	125		18
	with CoatingStar						
	98.5	0.84	200	338	500	30	30
			220	307	400	30	30
			230	294	400	30	30
			240	282	400	30	30
			350	193	250	25	
			380	178	224	25	
			400	169	224	25	
			415	163	224	25	
			440	153	200	25	25
			480	141	200		25
			600	112	160		18
XL 75-5 + LYYL	without CoatingStar						
	83.5	0.84	200	287	400	30	30
			220	260	400	30	30
			230	249	315	30	30
			240	239	315	30	30
			350	164	224	25	
			380	151	200	25	
			400	143	200	25	
			415	138	200	25	
			440	130	200	25	25
			480	119	160		25
			600	95	125		18

Press version	Printing press without inking unit temperature control (with HydroStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
	with CoatingStar						
	103.0	0.85	200	349	500	30	30
			220	318	400	30	30
			230	304	400	30	30
			240	291	400	30	30
			350	199	250	25	
			380	184	250	25	
			400	174	224	25	
			415	168	224	25	
			440	159	200	25	25
			480	145	200		25
			600	116	160		18

Tab. 47 Electrical connection specifications of the printing press

(1): Maximum short-circuit current, applies to all countries except in the US and Canada

(2): Maximum short-circuit current, only applicable in the US and Canada

9.2 Printing press with inking unit temperature control

Press version	Printing press with inking unit temperature control (with CombiStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
XL 75-5	75.5	0.83	200	262	400	30	30
			220	238	315	30	30
			230	228	315	30	30
			240	218	315	30	30
			350	150	200	25	
			380	138	200	25	
			400	131	200	25	
			415	126	160	25	
			440	119	160	25	25
			480	109	160		25
			600	87	125		18

Press version	Printing press with inking unit temperature control (with CombiStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
XL 75-5-P2	80.5	0.83	200	280	400	30	30
			220	254	315	30	30
			230	243	315	30	30
			240	233	315	30	30
			350	160	200	25	
			380	147	200	25	
			400	140	200	25	
			415	134	200	25	
			440	127	160	25	25
			480	116	160		25
			600	93	125		18
XL 75-5-P3	77.5	0.83	200	269	400	30	30
			220	245	315	30	30
			230	234	315	30	30
			240	224	315	30	30
			350	154	200	25	
			380	141	200	25	
			400	134	200	25	
			415	129	160	25	
			440	122	160	25	25
			480	112	160		25
			600	89	125		18
XL 75-5 + L	without CoatingStar						
	79.5	0.83	200	276	400	30	30
			220	251	315	30	30
			230	240	315	30	30
			240	230	315	30	30
			350	158	200	25	
			380	145	200	25	
			400	138	200	25	
			415	133	200	25	
			440	125	160	25	25
			480	115	160		25
			600	92	125		18
	with CoatingStar						
	89.0	0.83	200	309	400	30	30

Press version	Printing press with inking unit temperature control (with CombiStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
			220	281	400	30	30
			230	269	400	30	30
			240	258	400	30	30
			350	176	224	25	
			380	162	224	25	
			400	154	200	25	
			415	149	200	25	
			440	140	200	25	25
			480	129	160		25
			600	103	160		18
XL 75-5-P2 + L	without CoatingStar						
	85.5	0.83	200	297	400	30	30
			220	270	400	30	30
			230	258	400	30	30
			240	247	315	30	30
			350	169	224	25	
			380	156	200	25	
			400	148	200	25	
			415	143	200	25	
			440	135	200	25	25
			480	123	160		25
			600	99	125		18
	with CoatingStar						
	95.5	0.83	200	332	500	30	30
			220	302	400	30	30
			230	288	400	30	30
			240	276	400	30	30
			350	189	250	25	
			380	174	224	25	
			400	166	224	25	
			415	160	200	25	
			440	151	200	25	25
			480	138	200		25
			600	110	160		18

Press version	Printing press with inking unit temperature control (with CombiStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
XL 75-5-P3 + L	without CoatingStar						
	84.0	0.83	200	292	400	30	30
			220	265	400	30	30
			230	254	315	30	30
			240	243	315	30	30
			350	166	224	25	
			380	153	200	25	
			400	146	200	25	
			415	140	200	25	
			440	132	200	25	25
			480	121	160		25
			600	97	125		18
	with CoatingStar						
	94.0	0.83	200	326	500	30	30
			220	297	400	30	30
			230	284	400	30	30
			240	272	400	30	30
			350	186	250	25	
			380	172	224	25	
			400	163	224	25	
			415	157	200	25	
			440	148	200	25	25
			480	136	200		25
			600	109	160		18
XL 75-5 + LYL	without CoatingStar						
	85.0	0.82	200	299	400	30	30
			220	272	400	30	30
			230	260	400	30	30
			240	249	315	30	30
			350	171	224	25	
			380	157	200	25	
			400	149	200	25	
			415	144	200	25	
			440	136	200	25	25
			480	124	160		25
			600	99	125		18

Press version	Printing press with inking unit temperature control (with CombiStar 3000)						
	Power required [kW]	Power factor λ	Mains voltages [V]	Current [A]	Electrical fusing [A]	Icu ¹ [kA]	Icu ² [kA]
	with CoatingStar						
	105.0	0.84	200	360	500	30	30
			220	328	500	30	30
			230	313	400	30	30
			240	300	400	30	30
			350	206	315	25	
			380	189	250	25	
			400	180	224	25	
			415	173	224	25	
			440	164	224	25	25
			480	150	200		25
			600	120	160		18
XL 75-5 + LYYL	without CoatingStar						
	89.5	0.84	200	307	400	30	30
			220	279	400	30	30
			230	267	400	30	30
			240	256	400	30	30
			350	175	224	25	
			380	161	200	25	
			400	153	200	25	
			415	148	200	25	
			440	139	200	25	25
			480	128	160		25
			600	102	160		18
	with CoatingStar						
	109.0	0.84	200	374	500	30	30
			220	340	500	30	30
			230	325	500	30	30
			240	312	400	30	30
			350	214	315	25	
			380	197	250	25	
			400	187	250	25	
			415	180	224	25	
			440	170	224	25	25
			480	156	200		25
			600	124	160		18

Tab. 48 Electrical connection specifications of the printing press

(1): Maximum short-circuit current, applies to all countries except in the US and Canada

(2): Maximum short-circuit current, only applicable in the US and Canada

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10 Electrical connection specifications of the DryStar IR dryers

10.1 Electrical connection specifications of the DryStar IR dryers

Mains connection of the DryStar infrared dryers

The DryStar IR dryers are connected separately to the three-phase AC mains.

The operating voltage of the DryStar IR dryers is AC 400 V.

A direct connection is possible with a mains frequency of 50 Hz and mains voltage of AC 380, 400, and 415 V. Otherwise you will have to make adjustments to meet the corresponding mains power. The adaptation is made via series transformers and matching transformers.

Dryer version	Power required [kW]	Power factor λ	Mains voltages [V]	Electrical fusing [A]
DryStar Ink	18.6	0.98	200	80
			220, 230, 240	63
			350	50
			380, 400	40
			415, 440, 480	32
			600	25
DryStar Coating	46.1	0.98	200	200
			220, 230, 240	160
			350, 380, 400	100
			415, 440, 480	80
			600	63
DryStar Combination	96.0	0.98	200, 220	400
			230, 240	315
			350	250
			380, 400, 415	200
			440, 480	160
			600	125
DryStar LYL	58.3	0.94	200, 220	250
			230, 240	200
			350	160
			380, 400, 415	125
			440, 480, 600	100

Dryer version	Power required [kW]	Power factor λ	Mains voltages [V]	Electrical fusing [A]
DryStar LYYL	100.7	0.95	200, 220, 230, 240	400
			350	250
			380, 400, 415, 440	200
			480, 600	160

Tab. 49 Electrical connection specifications of the DryStar IR dryers

11 Electrical connection specifications of the DryStar UV dryers

11.1 Electrical connection specifications of the DryStar UV dryers

Mains connection of the DryStar UV dryers

The DryStar UV dryers are connected separately to the three-phase AC mains.

The operating voltage of the DryStar UV dryers is AC 400 V.

A direct connection is possible with a mains frequency of 50 Hz and a mains voltage of AC 400 V. Otherwise you will have to make adjustments to meet the corresponding mains power. The adaptation is made via series transformers and matching transformers.

Dryer version	Lamp power output: 160 W/cm			Lamp power output: 200 W/cm		
	Power re-quired [kW]	Mains voltages [V]	Elec-trical fusing [A]	Power re-quired [kW]	Mains voltages [V]	Elec-trical fusing [A]
UV final dryer (without UV interdeck dryer)	60	200	250	68	200, 220, 230, 240	250
		220, 230, 240	200		350, 380	160
		350	160		400, 415, 440, 480	125
		380, 400, 415, 440	125		600	100
		480, 600	100			
UV final dryer + 1 UV interdeck dryer	76	200, 220, 230, 240	315	84	200	400
		350, 380	200		220, 230, 240	315
		400, 415, 440	160		350, 380, 400, 415	200
		480	150		440	160
		600	125		480	150
					600	125
UV final dryer + 2 UV interdeck dryers	92	200, 220, 230, 240	400	103	200	500
		350, 380	250		220, 230, 240	400
		400, 415, 440	200		350, 380, 400, 415	250
		480	175		440, 480	200
		600	150		600	150
UV final dryer + 3 UV interdeck dryers	106	200, 220, 230, 240	400	122	200	500
		350, 380	250		220, 230, 240	400
		400, 415, 440	200		350, 380, 400, 415	250
		480	175		440, 480	200
		600	150		600	150

Dryer version	Lamp power output: 160 W/cm			Lamp power output: 200 W/cm		
	Power re-quired [kW]	Mains voltages [V]	Elec-trical fusing [A]	Power re-quired [kW]	Mains voltages [V]	Elec-trical fusing [A]
UV final dryer + 4 UV interdeck dryers	120	200	500	138	200, 220, 230, 240	500
		220, 230, 240	400		350, 380, 400	315
		350	315		415, 440, 480	250
		380, 400, 415, 440	250		600	200
		480	200			
		600	175			
UV final dryer + 5 UV interdeck dryers	133	200, 220, 230, 240	500	152	200, 220,	630
		350, 380	315		230, 240	500
		400, 415, 440, 480	250		350	400
		600	175		380, 400, 415, 440	315
					480	250
					600	200
UV final dryer + 6 UV interdeck dryers	147	200, 220, 230, 240	500	170	200, 220,	630
		350, 380	315		230, 240	500
		400, 415, 440, 480	250		350	400
		600	175		380, 400, 415, 440	315
					480	250
					600	200

Tab. 50 Electrical connection specifications of the DryStar UV dryers

Power factor

Dryer version	Power factor λ
All dryer models of the DryStar UV series	0.9

Tab. 51 Power factor

12 Specifications of the peripheral equipment

12.1 General information

- The dimensions and weights of the peripheral units and exhaust hoods are listed in the chapter *Dimensions and weights of the peripheral units*.
- The power demand of the peripheral units was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

Exceptions:

- Please provide a separate AC mains connection for the Prinect peripheral unit "Prinect Image Control".
- The DryStar dryers require separate three-phase AC mains connections (see chapter *Electrical connection specifications of the DryStar infrared dryers* and *Electrical connection specifications of the DryStar UV dryers*).
- Please restore the exhaust air volume (cooling air, process air) via the supply air.
- The exhaust air from the process is polluted with emission. Please guide the exhaust air out of the pressroom.
- The entries regarding the power requirement, waste heat, heating output, cooling output, volume of exhaust air and noise emission are maximum values.
- Fresh water connection of all dampening solution supply units (bush): Ø 12 mm (0.47 in).

12.2 Prinect peripheral equipment

Version	Power required [kW]		Mains voltages of the AC mains [V]	Electrical fusing [A]
	50 Hz	60 Hz		
Prinect Press Center	*	*	Power supply via the central control cabinet	
Prinect Press Center with Prinect Axis Control	*	*	Power supply via the central control cabinet	
Prinect Press Center with Prinect Inpress Control	*	*	Power supply via the central control cabinet	
Prinect Image Control	*	*	*	*
Prinect Auto Register	-	-	Power supply via Prinect Press Center	

Tab. 52 Electrical connection values

*) Not yet known when this manual went to press.

12.3 AirStar 3000 (suction and blast air supply)

12.3.1 Air-cooled version (LGK)

Version	Power required ⁽¹⁾ [kW]		Waste heat power [kW]	
	50 Hz	60 Hz	50 Hz	60 Hz
AirStar B-R1-L	18.0	19.2	10.0	12.5
AirStar B-R2-L	26.2	27.4	12.5	15.0

Tab. 53 Power required and waste heat capacity

(¹): The power demand of the AirStar 3000 was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

Version	Outlet air volume ⁽¹⁾ [m ³ /h] ([cu ft/min])		Noise emission [dB(A)]
	50 Hz	60 Hz	
AirStar B-R1-L	2400 (1415)	3100 (1825)	75
AirStar B-R2-L	3100 (1825)	4500 (2650)	76

Tab. 54 Volume of exhaust air and noise emission

(¹): The exhaust air volume consists of cooling air and process air in the standard state ($p_0 = 1013$ mbars (14.7 psi), $T_0 = 20^\circ\text{C}$ (68°F)).

12.3.2 Water-cooled version

Version	Power required ⁽¹⁾ [kW]		Waste heat power [kW]	
	50 Hz	60 Hz	50 Hz	60 Hz
AirStar B-R1-W	21.7	23.5	10.0	12.5
AirStar B-R2-W	29.9	31.7	12.5	15.0

Tab. 55 Power required and waste heat capacity

(¹): The power demand of the AirStar 3000 was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

Version	Number of cooling modules	Cooling water connection (inside thread)	Maximum cooling water pressure [bar] ([psi])	Noise emission [dB(A)]
AirStar B-R1-W	1	1 × 1"	10 (145)	73
AirStar B-R2-W	1	1 × 1"	10 (145)	74

Tab. 56 Cooling modules, cooling water connection, cooling water pressure, and noise emission

Version		Cooling water requirement [m³/h] ([cu ft/min]) at an inlet temperature of			
		10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
AirStar B-R1-W	50 Hz	0.20 (0.12)	0.30 (0.18)	0.50 (0.29)	1.10 (0.65)
	60 Hz	0.30 (0.18)	0.40 (0.24)	0.60 (0.35)	1.30 (0.77)
AirStar B-R2-W	50 Hz	0.30 (0.18)	0.40 (0.24)	0.60 (0.35)	1.30 (0.77)
	60 Hz	0.35 (0.21)	0.45 (0.26)	0.65 (0.38)	1.45 (0.85)

Tab. 57 Cooling water required

Version	Total pressure loss in the cooling water circuit [bar] ([psi]) at a volume flow of			
	1.0 m³/h (0.59 cu ft/min)	2.0 m³/h (1.18 cu ft/min)	3.0 m³/h (1.77 cu ft/min)	4.0 m³/h (2.35 cu ft/min)
AirStar B-R1-W AirStar B-R2-W	0.3 (4.35)	1.0 (14.50)	2.1 (30.46)	4.0 (58.02)

Tab. 58 Total pressure loss in the cooling circulation (1 cooling module)

12.4 ScrollStar (compressed-air supply)

Version	Power required ⁽¹⁾ [kW]	Cooling air outlet volume [m³/h] ([cu ft/min])
ScrollStar	3.7	720 (425)

Tab. 59 Power required and cooling air outlet volume

(1): The power demand of the ScrollStar was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

Version	Maximum operating pressure [bar] ([psi])	Volumetric flow [m³/h] ([cu ft/min])	Noise emission [dB(A)]
ScrollStar	10 (145)	15 (8.83)	56

Tab. 60 Maximum pressure, volume flow and noise emission

12.5 HydroStar 3000 (dampening solution supply)

12.5.1 Air-cooled version (LGK)

Version	Power required ⁽¹⁾ [kW]		Waste heat power [kW]		Cooling capacity [kW]
	50 Hz	60 Hz ⁽²⁾	50 Hz	60 Hz	
beta.d 60 L	4.0	5.3	10	12	6

Tab. 61 Power demand, waste heat power and cooling capacity

(1): The power demand of the HydroStar 3000 was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

(2): Peripheral units designed for a mains frequency of 60 Hz may also be used with a mains frequency of 50 Hz.

Version	Cooling air outlet volume [m³/h] ([cu ft/min])		Noise emission [dB(A)]
	50 Hz	60 Hz	
beta.d 60 L	4000 (2355)	4500 (2650)	≤ 73

Tab. 62 Cooling air outlet volume and noise emission

12.5.2 Water-cooled version

Version	Power required (1) [kW]		Waste heat power [kW]		Cooling capacity [kW]
	50 Hz	60 Hz (2)	50 Hz	60 Hz	
beta.d 60 G	3.6	4.6	10	12	6

Tab. 63 Power demand, waste heat power and cooling capacity

(1): The power demand of the HydroStar 3000 was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

(2): Peripheral units designed for a mains frequency of 60 Hz may also be used with a mains frequency of 50 Hz.

Version	Cooling water connection (inside thread)	Maximum cooling water pressure [bar] ([psi])	Noise emission [dB(A)]
beta.d 60 G	3/4"	10 (145)	≤ 73

Tab. 64 Cooling water connection, cooling water pressure, and noise emission

Version	Cooling water requirement [m³/h] ([cu ft/min]) at an inlet temperature of				
		10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
beta.d 60 G	50 Hz	0.37 (0.22)	0.59 (0.35)	1.43 (0.84)	1.43 (0.84)
	60 Hz	0.37 (0.22)	0.59 (0.35)	1.43 (0.84)	1.43 (0.84)

Tab. 65 Cooling water required

12.6 CombiStar 3000 (dampening solution supply + inking unit temperature control)

12.6.1 Air-cooled version (LGK)

Version	Power required (1) [kW]		Waste heat power [kW]	
	50 Hz	60 Hz (2)	50 Hz	60 Hz
beta.c 130 L	12.4	16.2	20	32

Tab. 66 Power required and waste heat capacity

(1): The power demand of the CombiStar 3000 was taken into account when calculating the total consumption of the printing press.

tion of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

(2): Peripheral units designed for a mains frequency of 60 Hz may also be used with a mains frequency of 50 Hz.

Version	Cooling capacity [kW]		Heat output of temperature control circuit [kW]
	50 Hz	60 Hz	
beta.c 130 L	13	15	3

Tab. 67 Cooling

Version	Cooling air outlet volume [m ³ /h] ([cu ft/min])		Noise emission [dB(A)]
	50 Hz	60 Hz	
beta.c 130 L	7000 (4120)	8000 (4710)	≤ 73

Tab. 68 Cooling air outlet volume and noise emission

12.6.2 Water-cooled version

Version	Power required ⁽¹⁾ [kW]		Waste heat power [kW]	
	50 Hz	60 Hz ⁽²⁾	50 Hz	60 Hz
beta.c 130 G	11.6	14.9	13	15

Tab. 69 Power required and waste heat capacity

(1): The power demand of the CombiStar 3000 was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

(2): Peripheral units designed for a mains frequency of 60 Hz may also be used with a mains frequency of 50 Hz.

Version	Cooling capacity [kW]		Heat output of temperature control circuit [kW]
	50 Hz	60 Hz	
beta.c 130 G	13	15	3

Tab. 70 Heat output and cooling capacity

Version	Cooling water connection (inside thread)	Maximum cooling water pressure [bar] ([psi])	Noise emission [dB(A)]
beta.c 130 G	1"	10 (145)	≤ 73

Tab. 71 Cooling water connection, cooling water pressure, and noise emission

Version		Cooling water requirement [m³/h] ([cu ft/min]) at an inlet temperature of			
		10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
beta.c 130 G	50 Hz	0.74 (0.44)	1.18 (0.69)	2.86 (1.68)	2.86 (1.68)
	60 Hz	0.85 (0.50)	1.35 (0.79)	3.29 (1.94)	3.29 (1.94)

Tab. 72 Cooling water required

12.7 Varnish supply unit

Version	Power required (1) [kW]		Heating capacity [kW]	Maximum displaced volume (2) [dm³/h] ([cu ft/h])	Noise emission [dB(A)]
	50 Hz	60 Hz			
LVG-550E	0.34	0.46	-	450 (15.89)	68
LVG-550E UV	0.34	0.46	-	450 (15.89)	68
CoatingStar	10.90	11.70	9.00	600 (21.19)	≤ 73

Tab. 73 Power demand, heat output, max. delivery volume and noise emission

(1): The power demand of the varnish supply unit was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

(2): Related to water of 20 °C (68 °F).

12.8 Powder spray devices

Technical characteristics		Grafix Betatronic 200	WEKO		
			PowderStar AP 232	PowderStar AP 262	PowderStar AP 500
ON/OFF operation via Prinect Press Center		x	x	x	x
Sheet length adaptation	manually				
	automatic	x	x	x	x
Powder volume metering	manually on the device	x	x		
	electronically via Prinect Press Center			x	x
Automatic speed compensation of the powder volume (1)		x	x	x	x
Powder level monitoring	visually on the device (inspection glass)	x	x	x	x
	electronically via Prinect Press Center	x	x	x	x
Powder refill in non-stop operation		x	x	x	x

Technical characteristics		Grafix Betatronic 200	PowderStar AP 232	WEKO PowderStar AP 262	PowderStar AP 500
Monitoring the compressed-air supply	visually on the device	x	x	x	x
	electronically via Prinect Press Center	x	x	x	x
Outside powder spray nozzles can be switched on/off	manually on the device	x	x		
	electronically via Prinect Press Center			x	x

Tab. 74 Powder spray devices

(1): Adjustment of the delivered powder volume to the production speed of the printing press.

12.9 DryStar (IR drying)

12.9.1 Air-cooled version (LGK)

Version	Power required ⁽¹⁾ [kW]	Waste heat power [kW]	Cooling air outlet volume [m³/h] ([cu ft/min])	Process exhaust air volume [m³/h] ([cu ft/min])	Noise emission [dB(A)]
DryStar Ink	18.6	10	1200 (705)	600 (355)	76
DryStar Coating	46.1	18	1200 (705)	1200 (705)	76
DryStar Combination	96.0	36	3000 (1765)	2900 (1710)	81 ⁽⁴⁾
DryStar LYL	58.3	20 ⁽²⁾ / 4 ⁽³⁾	720 (425)	2200 (1295)	75 ⁽⁴⁾
DryStar LYYL	100.7	30 ⁽²⁾ / 4 ⁽³⁾	720 (425)	3300 (1945)	75 ⁽⁴⁾

Tab. 75 Power rating, outlet air volumes and noise emission

(1): The DryStar IR dryers require a separate three-phase AC mains connection. For more detailed information on power requirements, see the chapter *Electrical connection specifications of the DryStar IR dryers*.

(2): Waste heat power from exhaust process air at maximum dryer output.

(3): Waste heat power from the dryer cabinet.

(4): Noise emission when a dryer cabinet with optional exhaust hood is used.

12.9.2 Water-cooled version

Version	Power required ⁽¹⁾ [kW]	Waste heat power [kW]	Process exhaust air volume [m³/h] ([cu ft/min])
DryStar Ink	18.6	10	600 (355)

Version	Power required ⁽¹⁾ [kW]	Waste heat power [kW]	Process exhaust air volume [m ³ /h] ([cu ft/min])
DryStar Coating	46.1	18	1200 (705)
DryStar Combination	96.0	36	2900 (1710)

Tab. 76 Power ratings and process exhaust air volume

(¹): The DryStar IR dryers require a separate three-phase AC mains connection. For more detailed information on power requirements, see the chapter *Electrical connection specifications of the DryStar IR dryers*.

Version	Cooling water connection (inside thread)	Maximum cooling water pressure [bar] ([psi])	Noise emission [dB(A)]
DryStar Ink	1"	10 (145)	76
DryStar Coating	1"	10 (145)	76
DryStar Combination	1"	10 (145)	80 (¹)

Tab. 77 Cooling water connection, cooling water pressure, and noise emission

(¹): Noise emission when a dryer cabinet with optional exhaust hood is used.

Version	Cooling water requirement [m ³ /h] ([cu ft/min]) at an inlet temperature of			
	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
DryStar Ink	0.20 (0.12)	0.25 (0.15)	0.45 (0.26)	0.80 (0.47)
DryStar Coating	0.20 (0.12)	0.25 (0.15)	0.45 (0.26)	0.80 (0.47)
DryStar Combination	0.30 (0.18)	0.45 (0.26)	0.70 (0.41)	1.35 (0.79)

Tab. 78 Cooling water required

12.10 DryStar UV (ultraviolet drying)

Dryer version	Number of UV lamps	Power required ⁽¹⁾ [kW]	
		Lamp power output: 160 W/cm	Lamp power output: 200 W/cm
UV final dryer (without UV interdeck dryer)	3	60	68
UV final dryer + 1 UV interdeck dryer	4	76	84
UV final dryer + 2 UV interdeck dryers	5	92	103
UV final dryer + 3 UV interdeck dryers	6	106	122
UV final dryer + 4 UV interdeck dryers	7	120	138
UV final dryer + 5 UV interdeck dryers	8	133	152
UV final dryer + 6 UV interdeck dryers	9	147	170

Tab. 79 Number of UV lamps and power demand

(1): The DryStar UV dryers require a separate three-phase AC mains connection. The power demand of the UV dryers is specified in the chapter *Electrical connection specifications of the DryStar UV dryers*.

Dryer version	Waste heat power [kW]	
	Lamp power output: 160 W/cm	Lamp power output: 200 W/cm
UV final dryer (without UV interdeck dryer)	3	4
UV final dryer + 1 UV interdeck dryer	4	5
UV final dryer + 2 UV interdeck dryers	5	6
UV final dryer + 3 UV interdeck dryers	6	7
UV final dryer + 4 UV interdeck dryers	7	8
UV final dryer + 5 UV interdeck dryers	8	9
UV final dryer + 6 UV interdeck dryers	9	10

Tab. 80 Waste heat power of the DryStar UV cabinets

Dryer version	Process exhaust air volume [m³/h] ([cu ft/min])		Suction points
	Lamp power output: 160 W/cm	Lamp power output: 200 W/cm	
DryStar UV			
UV final dryer (without UV interdeck dryer)	3225 (1900)	3420 (2015)	Pile, sheet guide plate, UV lamps
UV final dryer + 1 UV interdeck dryer	3500 (2060)	3760 (2215)	
UV final dryer + 2 UV interdeck dryers	3775 (2225)	4100 (2415)	
UV final dryer + 3 UV interdeck dryers	4050 (2385)	4440 (2615)	
UV final dryer + 4 UV interdeck dryers	4325 (2545)	4780 (2815)	
UV final dryer + 5 UV interdeck dryers	4600 (2710)	5120 (3015)	
UV final dryer + 6 UV interdeck dryers	4875 (2870)	5460 (3215)	
DryStar UV + DryStar Ink			
UV final dryer (without UV interdeck dryer)	3225 (1900)	3420 (2015)	Pile, sheet guide plate, UV lamps
UV final dryer + 1 UV interdeck dryer	3500 (2060)	3760 (2215)	
UV final dryer + 2 UV interdeck dryers	3775 (2225)	4100 (2415)	
UV final dryer + 3 UV interdeck dryers	4050 (2385)	4440 (2615)	
UV final dryer + 4 UV interdeck dryers	4325 (2545)	4780 (2815)	
UV final dryer + 5 UV interdeck dryers	4600 (2710)	5120 (3015)	
UV final dryer + 6 UV interdeck dryers	4875 (2870)	5460 (3215)	
DryStar UV + DryStar Combination			

Dryer version	Process exhaust air volume [m³/h] ([cu ft/min])		Suction points
	Lamp power output: 160 W/cm	Lamp power output: 200 W/cm	
UV final dryer (without UV interdeck dryer)	2025 (1195)	2220 (1310)	Pile, UV lamps
UV final dryer + 1 UV interdeck dryer	2300 (1355)	2560 (1510)	
UV final dryer + 2 UV interdeck dryers	2575 (1515)	2900 (1710)	
UV final dryer + 3 UV interdeck dryers	2850 (1680)	3240 (1910)	
UV final dryer + 4 UV interdeck dryers	3125 (1840)	3580 (2110)	
UV final dryer + 5 UV interdeck dryers	3400 (2005)	3920 (2310)	
UV final dryer + 6 UV interdeck dryers	3675 (2165)	4260 (2510)	

Tab. 81 Process exhaust-air volume

12.10.1 Air/water heat exchanger

Version	Power required (¹) [kW]	Cooling capacity [kW]
MK 251 W-N 52/ 62	2.3	36
MK 503 W-N 51/ 61	3.7	57
MK 803 W-N 51/ 61	4.4	104
MK 1003 W-N 51/ 61	7.4	111

Tab. 82 Output

(¹): The power demand of the heat exchanger is included in the overall power demand of the DryStar UV dryer.

The power demand of the UV dryers is specified in the chapter *Electrical connection specifications of the DryStar UV dryers*.

Version	Cooling air outlet volume [m³/h] ([cu ft/min])		Noise emission [dB(A)]	
	50 Hz	60 Hz	50 Hz	60 Hz
MK 251 W-N 52/ 62	6350 (3740)	7430 (4375)	73	77
MK 503 W-N 51/ 61	12765 (7515)	12765 (7515)	77	77
MK 803 W-N 51/ 61	25855 (15220)	25855 (15220)	80	80
MK 1003 W-N 51/ 61	25855 (15220)	25855 (15220)	80	80

Tab. 83 Cooling air outlet volume and noise emission

The temperature of the intake air must not exceed 35 °C (95 °F).

12.10.2 Water/water heat exchanger

Version	Power required (¹) [kW]	Cooling capacity [kW]
beta.t 40 PW-IST	1.6	57

Version	Power required ⁽¹⁾ [kW]	Cooling capacity [kW]
beta.t 60 PW-IST	2.2	85
beta.t 80 PW-IST	2.2	115

Tab. 84 Output

⁽¹⁾: The power demand of the heat exchanger is included in the overall power demand of the DryStar UV dryer.

The power demand of the UV dryers is specified in the chapter *Electrical connection specifications of the DryStar UV dryers*.

Version	Cooling water connection (inside thread)	Maximum cooling water pressure [bar] ([psi])	Noise emission [dB(A)]
beta.t 40 PW-IST	1 1/4"	6	73
beta.t 60 PW-IST	1 1/4"	6	73
beta.t 80 PW-IST	1 1/2"	6	73

Tab. 85 Cooling water connection, cooling water pressure, and noise emission

Version	Cooling water requirement [m³/h] ([cu ft/min]) at an inlet temperature of			
	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
beta.t 40 PW-IST	1.0 (0.59)	1.3 (0.77)	2.0 (1.18)	3.9 (2.30)
beta.t 60 PW-IST	1.5 (0.88)	2.0 (1.18)	2.9 (1.71)	5.9 (3.47)
beta.t 80 PW-IST	2.0 (1.18)	2.6 (1.53)	3.9 (2.30)	7.8 (4.59)

Tab. 86 Cooling water required

12.11 InkLine 3000 (automatic ink supply)

Version	Power required ⁽¹⁾ [kW]	Moving speed [cm/min]	Noise emission [dB(A)]
InkLine 3000	0.014	150	≤ 75

Tab. 87 Power demand, moving speed and noise emission

⁽¹⁾: The power demand of the InkLine 3000 was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

- Compressed air:
Supply pressure 5.5...6.5 bars (80...95 psi)
Operating pressure max. 6.5 bars (95 psi)
- Maximum traverse path of the metering unit:
1031 mm (40.59 in)
- Please use only the standardized 2-kg valve cartridges for the automatic ink supply InkLine 3000. Cross-slotted cartridges are not suitable.

12.12 InkMove (ink agitator system)

Version	Power required ⁽¹⁾ [kW]	Traveling speed [cm/min] ([in/min])	Noise emission [dB(A)]
InkMove	0.019	150 (59.1)	70

Tab. 88 Power rating, outlet air volumes and noise emission

(¹): The power demand of the InkMove was taken into account when calculating the total consumption of the printing press (please refer to the chapter *Electrical connection specifications, printing press with 5 printing units*).

12.13 Transfer media for Heidelberg networks

When configuring HDM networks, please use eight-core "twisted pair" S/UTP cables, category 5 or higher. These cables must have the RJ45 type plug fitted. The network cables including the patch cables must not exceed a total length of 100 m (328 ft).

13 Printing press configuration

13.1 Printing press configuration

Press version	Number of printing units	Coating unit	Intermediate unit (Y unit)	Format	
				F format	C format
XL 75-5	5			x	x
XL 75-5-P	5			x	x
XL 75-5 + L	5	x		x	x
XL 75-5-P + L	5	x		x	x
XL 75-5 + LYL	5	2 x	x	x	x
XL 75-5 + LYYL	5	2 x	2 x	x	x

Tab. 89 Printing press configuration

► **Note**
The following specifications apply only to printing presses that are not equipped with the UV dryer *DryStar UV*.

Press version	Delivery		
	Delivery without extension module	Extended delivery 160 cm (63.0 in)	Extended delivery 240 cm (94.5 in)
XL 75-5	x		
XL 75-5-P	x		
XL 75-5 + L	x	x	
XL 75-5-P + L	x	x	
XL 75-5 + LYL		x	x
XL 75-5 + LYYL		x	x

Tab. 90 Configuration of the printing press without DryStar UV

► **Note**
The following specifications apply only to printing presses that are equipped with the UV dryer *DryStar UV*.

Press version	Delivery	
	Extended delivery 160 cm (63.0 in)	Extended delivery 240 cm (94.5 in)
XL 75-5	x	
XL 75-5 + L	x	x
XL 75-5 + LYL	x	x
XL 75-5 + LYYL	x	x

Tab. 91 Configuration of the printing press with DryStar UV

13.2 Positioning options of the perfector

**Note**

Printing presses that are equipped with a perfector cannot be equipped with the UV dryer *DryStar UV*.

Press version	Perfector	
	P2	P3
XL 75-5-P	x	x
XL 75-5-P + L	x	x

Tab. 92 Positioning possibilities of the perfector

Legend

Examples of positioning the perfector:

- P2 ... Sheet reversal before the 2nd printing unit
- P3 ... Sheet reversal before the 3rd printing unit.

14 Assigning the peripheral equipment to the printing press

14.1 General information

The following allocations apply to the Heidelberg base standard. Depending on country and/or Sales & Service Unit (SSU), the country standards may differ from the Heidelberg base standard.

In case of doubts, please ask your Heidelberg branch office or factory agency for a confirmation of the configuration of your printing press.

14.2 Prinect peripheral equipment

All printing presses of the XL 75 product line with 5 printing units can be equipped with the following Prinect peripheral units:

Standard	Option	Remark
Prinect Press Center	- Prinect Press Center with Prinect Axis Control or - Prinect Press Center with Prinect Inpress Control	Prinect Inpress Control is not possible in combination with Prinect Auto Register.
	Prinect Image Control	
	Prinect Auto Register	Prinect Auto Register is not possible in combination with Prinect Inpress Control.

Tab. 93 Prinect peripheral equipment

14.3 AirStar 3000 (suction and blast air supply)

The standard configuration of all printing presses of the XL 75 product line with 5 printing units includes an AirStar 3000.

Press version	AirStar 3000	
	without foil package	with foil package
XL 75-5	B-R1-L	B-R1-L
XL 75-5-P2	B-R2-L	B-R2-L
XL 75-5-P3	B-R1-L	B-R1-L
XL 75-5 + L	B-R1-L	B-R1-L
XL 75-5-P2 + L	B-R2-L	B-R2-L
XL 75-5-P3 + L	B-R2-L	B-R2-L
XL 75-5 + LYL	B-R1-L	B-R1-L
XL 75-5 + LYYL	B-R1-L	B-R1-L

Tab. 94 AirStar 3000

All AirStar 3000 units are available in the following versions:

- Air-cooled (standard)
- Water-cooled (option)

In the abbreviation of the water-cooled air supply cabinet **L** is replaced by **W**.

Example: B-R1-W

14.4 ScrollStar (compressed-air supply)

The standard configuration of all printing presses of the XL 75 product line with 5 printing units includes an ScrollStar.

14.5 HydroStar 3000 (dampening solution supply)

The standard configuration of all printing presses of the XL 75 product line with 5 printing units includes an HydroStar 3000.

Number of printing units	HydroStar 3000
5	beta.d 60
Accessories	
5	alcosmart AZR (option)

Tab. 95 HydroStar 3000

All HydroStar 3000 units are available in the following versions:

- Air-cooled (standard)
- Water-cooled (option)

14.6 CombiStar 3000 (dampening solution supply + inking unit temperature control)

The standard configuration of all printing presses of the XL 75 product line with 5 printing units includes an HydroStar 3000.

These printing presses can optionally be equipped with a CombiStar 3000, instead of a HydroStar 3000.

Number of printing units	CombiStar 3000
5	beta.c 130
Accessories	
5	alcosmart AZR (standard)

Tab. 96 CombiStar 3000

All CombiStar 3000 units are available in the following versions:

- Air-cooled (standard)

- Water-cooled (option)

14.7 Varnish supply unit

All printing presses with 5 printing units in the XL 75 product line that contain a coating unit are equipped with one of the following varnish supply units:

- LVG-550E (standard)
- LVG-550E UV (option)
- CoatingStar (option).

Printing press with a coating unit are equipped with one unit; printing presses with two coating units (LYL/LYYL) are equipped with two units.

14.8 Powder spray devices

Depending on the actual press version, printing presses in the XL 75 product line can optionally be equipped with one of the following powder spray devices:

Press version	Powder spray devices	
	<i>Grafix</i>	<i>WEKO</i>
Printing presses without perfector	Betatronic 200	PowderStar AP 232 / PowderStar AP 262 / PowderStar AP 250
Printing presses with perfector	Betatronic 200	PowderStar AP 232 / PowderStar AP 262

Tab. 97 Powder spray devices

14.9 DryStar (IR drying)

Depending on the actual press version, printing presses in the XL 75 product line can optionally be equipped with one of the following DryStars:

Press version	DryStar
Without coating unit	DryStar Ink
With coating unit	DryStar Coating
With coating unit and extended delivery	DryStar Combination
With LYL units and extended delivery	DryStar Combination + DryStar LYL
With LYYL units and extended delivery	DryStar Combination + DryStar LYYL

Tab. 98 DryStar

The DryStar units are available in the following versions:

DryStar	Version
DryStar Ink	• Air-cooled (standard) • Water-cooled (option)
DryStar Coating	• Air-cooled (standard) • Water-cooled (option)
DryStar Combination	• Air-cooled (standard) • Water-cooled (option)
DryStar LYL/ DryStar LYYL	• Air-cooled

Tab. 99 Versions: air-cooled / water-cooled

14.9.1 Slide-in dryers

Version	Slide-in dryers
DryStar Ink	IR/hot air slide-in unit
DryStar Coating	IR/hot air slide-in unit Suction slide-in unit
DryStar Combination	IR/hot air slide-in unit I Suction slide-in unit IR/hot air slide-in unit II Cold air unit
DryStar LYL	IR interdeck dryer, short-wave IR interdeck dryer, medium-wave Y dryer (hot air) Hot-air interdeck dryer
DryStar LYYL	IR interdeck dryer, short-wave IR interdeck dryer, medium-wave Y dryer (hot air) Hot-air interdeck dryer Y dryer (hot air) Hot-air interdeck dryer

Tab. 100 Slide-in dryers

14.10 DryStar UV (ultraviolet drying)

Printing presses in the XL 75 product line with 5 printing units may optionally be equipped with 0...6 UV inter-deck dryers and one UV final dryer, provided they:

- do not contain a coating unit

or

- contain only one coating unit.

The printing presses of the XL 75 product line can be optionally equipped only with the UV final dryer if they are equipped with

- one or more intermediate units (LYL/LYYL units) and

- with two coating units.

The DryStar UV dryer includes the following peripheral units:

- Dryer cabinet for the UV interdeck dryer (not with LYL/LYYL presses);
- Dryer cabinet for the final UV dryer;
- Supply cabinet;
- Blower cabinet;
- Cold air compressor;
- Air/water heat exchanger or water/water heat exchanger;
- Energy distributor;
- Water distributor for the UV interdeck dryers (not for LYL/LYYL presses).

14.10.1 Air/water heat exchangers

Dryer version	Heat exchanger	
	Lamp power output: 160 W/cm (standard)	Lamp power output: 200 W/cm (option)
UV final dryer (without UV interdeck dryer)	MK 251 W-N 52/ 62	MK 251 W-N 52/ 62
UV final dryer + 1 UV interdeck dryer	MK 503 W-N 51/ 61	MK 503 W-N 51/ 61
UV final dryer + 2 UV interdeck dryers	MK 503 W-N 51/ 61	MK 803 W-N 51/ 61
UV final dryer + 3 UV interdeck dryers	MK 503 W-N 51/ 61	MK 803 W-N 51/ 61
UV final dryer + 4 UV interdeck dryers	MK 803 W-N 51/ 61	MK 803 W-N 51/ 61
UV final dryer + 5 UV interdeck dryers	MK 803 W-N 51/ 61	MK 803 W-N 51/ 61
UV final dryer + 6 UV interdeck dryers	MK 803 W-N 51/ 61	MK 1003 W-N 51/ 61

Tab. 101 Air/water heat exchanger

14.10.2 Water/water heat exchangers

Dryer version	Heat exchanger	
	Lamp power output: 160 W/cm (standard)	Lamp power output: 200 W/cm (option)
UV final dryer (without UV interdeck dryer)	beta.t 40 PW-IST	beta.t 40 PW-IST
UV final dryer + 1 UV interdeck dryer	beta.t 40 PW-IST	beta.t 40 PW-IST
UV final dryer + 2 UV interdeck dryer	beta.t 40 PW-IST	beta.t 60 PW-IST
UV final dryer + 3 UV interdeck dryers	beta.t 40 PW-IST	beta.t 60 PW-IST
UV final dryer + 4 UV interdeck dryers	beta.t 60 PW-IST	beta.t 60 PW-IST
UV final dryer + 5 UV interdeck dryers	beta.t 60 PW-IST	beta.t 80 PW-IST
UV final dryer + 6 UV interdeck dryers	beta.t 60 PW-IST	beta.t 80 PW-IST

Tab. 102 Water/water heat exchanger

14.10.3 Slide-in dryers

Dryer version	Slide-in dryers
DryStar UV	0 to 6 UV interdeck dryers UV final dryer Cold air unit

Tab. 103 Slide-in dryers

14.11 InkLine 3000 (automatic ink supply)

All printing presses of the XL 75 product line with 5 printing units may optionally be equipped with the automatic InkLine 3000 or InkLine 3000 Direct ink supply unit.

14.12 InkMove (ink agitator system)

All printing presses of the XL 75 product line with DryStar UV can optionally be equipped with the InkMove ink agitator system. The system is suitable for agitating highly viscous inks (including UV inks) in the ink fountain.

Combining InkLine 3000 or InkLine 3000 Direct and InkMove is not possible.

15 Shipping data

15.1 General information

- All crate dimensions and weights can vary slightly from those given in the table.
- Some dispatch units contain one press component and one additional standard spare parts set. The net weight therefore does not always correspond to the weight of the press component in question.
- For overseas shipments only case packaging is used.

15.2 Shipping data of the printing press

Shipping unit	Dimensions of the crate [mm] ([in])			Weights [kg] ([lbs])		
	Length	Width	Height	Net	With pallet	With crate
Feeder	2120 (83.46)	1980 (77.95)	2260 (88.98)	1910 (4210)	2100 (4630)	2220 (4890)
Printing unit	2000 (78.74)	2290 (90.16)	2230 (87.80)	4280 (9440)	4560 (10050)	4800 (10580)
Printing unit with perfector	2400 (94.49)	2120 (83.46)	2260 (88.98)	6500 (14330)	6820 (15040)	7070 (15590)
Coating unit	2000 (78.74)	2290 (90.16)	2230 (87.80)	3470 (7650)	3750 (8270)	3990 (8800)
Intermediate unit (Y unit)	2000 (78.74)	2290 (90.16)	2230 (87.80)	3470 (7650)	3750 (8270)	3990 (8800)
Delivery without extension module	3200 (125.98)	2290 (90.16)	2300 (90.55)	3560 (7850)	3910 (8620)	4210 (9280)
Extended delivery 160 cm (63.0 in)	4800 (188.98)	2290 (90.16)	2360 (92.91)	4450 (9810)	5020 (11070)	5500 (12125)
Extended delivery 240 cm (94.5 in)	5850 (230.31)	2290 (90.16)	2400 (94.49)	5550 (12240)	6350 (14000)	6850 (15100)
Footboards	2000 (78.74)	1650 (64.96)	1470 (57.87)	830 (1830)	-	1070 (2360)
Accessories for elevated printing presses						
Guards	1550 (61.02)	1150 (48.28)	1720 (67.72)	760 (1675)	-	900 (1980)
Footboards	2000 (78.74)	1650 (64.96)	1470 (57.87)	1260 (2780)	-	1500 (3310)

Tab. 104 Dispatch information regarding the printing press

15.3 Shipping data of the peripheral units

Shipping unit	Dimensions of the crate [mm] ([in])			Weights [kg] ([lbs])		
	Length	Width	Height	Net	With pallet	With crate
Central control cabinet						

Shipping unit	Dimensions of the crate [mm] ([in])			Weights [kg] ([lbs])		
	Length	Width	Height	Net	With pallet	With crate
ZSG central control cabinet	2400 (94.49)	1900 (74.80)	2210(87.01)	1060 (2340)	1200 (2650)	1420 (3090)
Prinect peripheral equipment						
Prinect Press Center	2000 (78.74)	1650 (64.96)	1790 (70.47)	*	*	*
Prinect Image Control	2350 (92.52)	1380 (54.33)	1790 (70.47)	*	*	*
AirStar 3000 (Suction and blast air supply)						
Air-cooled						
AirStar B-R1-L	1400 (55.12)	1000 (39.37)	2190 (86.22)	*	*	*
AirStar B-R2-L	1860 (73.23)	1000 (39.37)	2190 (86.22)	*	*	*
Water-cooled						
AirStar B-R1-W	2040 (80.31)	1000 (39.37)	2190 (86.22)	*	*	*
AirStar B-R2-W (1)	2040 (80.31)	1000 (39.37)	2190 (86.22)	*	*	*
	1400 (55.12)	1000 (39.37)	2190 (86.22)	*	*	*
HydroStar 3000 (dampening solution supply)						
Air-cooled / water-cooled						
beta.d 60	1400 (55.12)	1000 (39.37)	2190 (86.22)	*	*	*
CombiStar 3000 (dampening solution supply + Inking unit temperature control)						
Air-cooled / water-cooled						
beta.c 130	2040 (80.31)	1000 (39.37)	2240 (88.19)	*	*	*
CoatingStar (varnish supply unit)						
CoatingStar	2000 (122.44)	1650 (64.96)	2210 (87.01)	560 (1235)	650 (1435)	710 (1565)
DryStar (IR drying)						
Air-cooled / water-cooled						
DryStar Ink	1750 (68.90)	1450 (57.09)	2210 (87.01)	620 (1370)	700 (1540)	810 (1790)
DryStar Coating	1750 (68.90)	1450 (57.09)	2210 (87.01)	620 (1370)	700 (1540)	810 (1790)
DryStar Combination	1750 (68.90)	1450 (57.09)	2210 (87.01)	620 (1370)	700 (1540)	810 (1790)
DryStar LYL/DryStar LYLL						
Dryer cabinet	1750 (68.90)	1450 (57.09)	2210 (87.01)	700 (1540)	780 (1720)	810 (1790)

Shipping unit	Dimensions of the crate [mm] ([in])			Weights [kg] ([lbs])		
	Length	Width	Height	Net	With pallet	With crate
Guards	1750 (68.90)	1450 (57.09)	2210 (87.01)	620 (1370)	700 (1540)	810 (1790)
DryStar UV (ultraviolet drying)						
Dryer cabinet	2000 (78.74)	1650 (64.96)	2210 (87.01)	2200 (4850)	2290 (5050)	2500 (5515)
Supply cabinet	1860 (73.23)	1000 (39.37)	2190 (86.22)	700 (1540)	770 (1700)	930 (2050)
Heat exchanger	3110 (122.44)	1000 (39.37)	2240 (88.19)	800 (1765)	920 (2030)	-
Blower cabinet	2000 (78.74)	1650 (64.96)	2210 (87.01)	750 (1655)	840 (1855)	1050 (2315)
UV system/slide-in units	2100 (82.68)	1700 (66.93)	1700 (66.93)	900 (1985)	1000 (2205)	-
Guards	1750 (68.90)	1450 (57.09)	2210 (87.01)	620 (1370)	700 (1540)	810 (1790)
InkLine 3000 (automatic ink supply)						
InkLine 3000 with 5 printing units	2000 (78.74)	1650 (64.96)	1470 (57.87)	180 (400)	270 (595)	330 (730)
Plate punch/ plate bending device						
Plate punch	1860 (73.23)	1000 (39.37)	1660 (65.35)	140 (310)	210 (465)	260 (575)
Plate bending device	1860 (73.23)	1000 (39.37)	1660 (65.35)	140 (310)	210 (465)	260 (575)

Tab. 105 Shipping information of the peripheral equipment

*) Not yet known when this manual was printed.

(1): These air supply cabinets are delivered in two crates.

15.4 Shipping data, miscellaneous

Shipping unit	Dimensions of the crate [mm] ([in])			Weights [kg] ([lbs])		
	Length	Width	Height	Net	With pallet	With crate
Installation unit	2700 (106.30)	1240 (48.82)	1600 (63.00)	1200 (2650)	1320 (2910)	1450 (3200)
Standard spare parts set, small	1550 (61.02)	1150 (48.28)	1720 (67.72)	-	-	-
Standard spare parts set, medium	2000 (78.74)	1650 (64.96)	1470 (57.87)	-	-	-
Packages of accessories ⁽¹⁾						
Crate module 1	2280 (89.76)	1280 (50.39)	480 (18.90)	-	-	-
Crate module 2	2280 (89.76)	1280 (50.39)	580 (22.83)	-	-	-

Shipping unit	Dimensions of the crate [mm] ([in])			Weights [kg] ([lbs])		
	Length	Width	Height	Net	With pallet	With crate
Crate module 3	2280 (89.76)	1280 (50.39)	680 (26.77)	-	-	-
Crate module 4	2280 (89.76)	1280 (50.39)	780 (30.71)	-	-	-
Crate module 5	2280 (89.76)	1280 (50.39)	880 (34.65)	-	-	-

Tab. 106 Dispatch information - Miscellaneous

(¹): The packages of accessories consist of one or more crate modules which are piled up and screwed together.

15.5 Building openings

15.5.1 General guidance values

The building openings required for bringing the printing press into the building should usually be of the following dimensions:

- Width = 3000 mm (118 in);
- Height = 2800 mm (110 in).

The same is required when the printing press is moved out of the printshop building.

15.5.2 Minimum installation opening in building

Installation unit	Dimensions [mm] ([in])	
	Width	Height
With crate	2350 (92.52)	2600 (102.36)
With pallet	2350 (92.52)	2300 (90.55)
Without pallet	1900 (74.80)	2000 (78.74)
For the disassembly of parts (¹)	1700 (66.93)	2000 (78.74)

Tab. 107 Minimum building opening

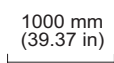
(¹): when demounting the connecting plate on the feeder.

Please take the dimensions of the transportation gear into account.

Floor plans XL 75 - 5 printing units

1	Floor plans	B.2.3
1.1	XL 75-5	B.2.3
1.2	XL 75-5-P	B.2.4
1.3	XL 75-5 + L	B.2.5
1.4	XL 75-5 + L, extended delivery 160 cm (63.0 in)	B.2.6
1.5	XL 75-5-P + L	B.2.7
1.6	XL 75-5-P + L, extended delivery 160 cm (63.0 in)	B.2.8
1.7	XL 75-5 + LYL, extended delivery 160 cm (63.0 in)	B.2.9
1.8	XL 75-5 + LYL, extended delivery 240 cm (94.5 in)	B.2.10
1.9	XL 75-5 + LYYL, extended delivery 160 cm (63.0 in)	B.2.11
1.10	XL 75-5 + LYYL, extended delivery 240 cm (94.5 in)	B.2.12
1.11	XL 75-5, extended delivery 160 cm (63.0 in), incl. DryStar UV	B.2.13
1.12	XL 75-5 + L, extended delivery, incl. DryStar UV	B.2.14
1.13	XL 75-5 + LYL, extended delivery, incl. DryStar UV	B.2.15
1.14	XL 75-5 + LYYL, extended delivery, incl. DryStar UV	B.2.16
1.15	XL 75 - supplementary drawing for elevated installation	B.2.17
1.16	XL 75 + L - supplementary drawing for elevated installation	B.2.18
1.17	XL 75 + LYL - supplementary drawing for elevated installation	B.2.19
1.18	XL 75 + LYYL - supplementary drawing for elevated installation	B.2.20
2	Floor plan legend	B.2.21
2.1	General notes	B.2.21
2.2	Floor plan legend	B.2.21
2.3	Variable dimensions in the supplementary drawings	B.2.22
3	Positions of the leveling blocks and gravity centers	B.2.25
3.1	General information	B.2.25
3.2	Feeder, first printing unit and medium printing unit	B.2.25
3.3	Printing unit with perfector	B.2.26
3.4	Last printing unit and delivery without extension module	B.2.26
3.5	Coating unit and extended delivery 160 cm (63.0 in)	B.2.27
3.6	Coating unit and extended delivery 240 cm (94.5 in)	B.2.27
4	Dimensions of the preloading device	B.2.28
4.1	General information	B.2.28
4.2	Dimensions of the preloading device	B.2.28

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2 Floor plan legend

2.1 General notes

- All dimensions are in mm (*in*)
- Scale: 1:70
True-to-scale representation is not ensured with own printouts.
- The floor plans show the printing presses with the maximum amount of peripheral equipment.
- If a printing press is not equipped with an IR dryer, the cold air compressor and the blower cabinet are placed in front of the footboard on D.S. in place of the IR dryer cabinet.
- The floor plans for elevated installation are supplementary drawings. Dimensions not shown here can be found in the floor plans for the standard installation.
- You can find precise specifications of the positions of the leveling blocks and the centers of gravity in the chapter *Position of the leveling blocks and centers of gravity*.
- The *Technical Information XL 75* document provides information on the installation of the printing press and its peripheral units.

2.2 Floor plan legend

Numbering

- 1 Total height of a printing press with automatic ink dispensing system InkLine 3000 and open metering unit
- 2 Total height with opened protection grid
- 3 Recommended foundation dimensions in standard installation
- 4 This minimum distance is required for removing the impression cylinder washup devices
- 5 This minimum distance is required for removing the DryStar slide-in dryers
- 6 This minimum distance is required for service work on a Prinect Press Center with Prinect Axis Control
- 7 Coating container
DryStar UV components:
- 8 Cold air compressor
- 9 Blower cabinet
- 10 Supply cabinet
- 11 Dryer cabinet for the final UV dryer
- 12 Dryer cabinet for UV interdeck dryers 1...3
- 13 Dryer cabinet for UV interdeck dryers 4...6
- 14 Water/water heat exchanger

- 15** Air/water heat exchanger
- a) MK 251 W-N 52/ 62
 - b) MK 503 W-N 51/ 61
 - c) MK 803 W-N 51/ 61
 - d) MK 1003 W-N 51/ 61
- 16** Water distributor for the UV interdeck dryers
- 17** Energy distributor
- Supplementary drawings for elevated installation:
- 18** Foundation length in elevated installation, and length of the foundation strip segments:
- see table 1 and 3 for printing presses without DryStar UV
 - see table 2 and 4 for printing presses with DryStar UV
- 19** Length of the printing press in elevated installation (incl. gallery):
- see table 5 for printing presses without DryStar UV
 - see table 6 for printing presses with DryStar UV
- 20** Main motor on motor mounting base:
The exact location of the main driving motor is shown in the floor plans for standard installation.
- 21** Distance between the apertures in the foundation strips (perfecting unit)

Symbols

- Pile loading and removal
- Optional pile loading
- Supply line for electrical energy

2.3 Variable dimensions in the supplementary drawings

2.3.1 Foundation length for the printing press without DryStar UV in elevated installation

Press version	Foundation strips with elevated installation [mm] ([in])	
	Minimum	Maximum
XL 75-5	6570 (258.66)	6635 (261.22)
XL 75-5-P	7334 (288.74)	7399 (291.30)
XL 75-5 + L	7610 (299.61)	7680 (302.36)
XL 75-5-P + L	8374 (329.68)	8444 (332.44)
XL 75-5 + LYL	9700 (381.89)	9770 (384.64)
XL 75-5 + LYYL	10740 (422.83)	10810 (425.59)

Tab. 1 Foundation length for the printing press without DryStar UV in elevated installation

2.3.2 Foundation length for the printing press with DryStar UV in elevated installation

Press version	Foundation strips with elevated installation [mm] ([in])	
	Minimum	Maximum
XL 75-5	6570 (258.66)	6635 (261.22)
XL 75-5 + L	7610 (299.61)	7680 (302.36)
XL 75-5 + LYL	9700 (381.89)	9770 (384.64)
XL 75-5 + LYYL	10740 (422.83)	10810 (425.59)

Tab. 2 Foundation length for the printing press with DryStar UV in elevated installation

2.3.3 Length of the foundation strip segments for printing presses without DryStar UV

Press version	Length of the foundation strip segments [mm] ([in])	Total (theoretical) [mm] ([in])
	Delivery <- feeder	
XL 75-5	1885 (74.21) 2088 (82.20) 2650 (104.33)	6623 (260.75)
XL 75-5-P2	1885 (74.21) 2088 (82.20) 3414 (134.41)	7387 (290.83)
XL 75-5-P3	1885 (74.21) 2852 (112.28) 2650 (104.33)	7387 (290.83)
XL 75-5 + L	2929 (115.31) 2088 (82.20) 2650 (104.33)	7667 (301.85)
XL 75-5-P2 + L	2929 (115.31) 2088 (82.20) 3414 (134.41)	8431 (331.93)
XL 75-5-P3 + L	2929 (115.31) 2852 (112.28) 2650 (104.33)	8431 (331.93)
XL 75-5 + LYL	2929 (115.31) 2088 (82.20) 2088 (82.20) 2650 (104.33)	9755 (384.64)
XL 75-5 + LYYL	1885 (74.21) 3x 2088 (82.20) 2650 (104.33)	10799 (425.16)

Tab. 3 Length of the foundation strip segments for printing presses without DryStar UV

2.3.4 Length of the foundation strip segments for printing presses with DryStar UV

Press version	Length of the foundation strip segments [mm] ([in])	Total (theoretical) [mm] ([in])
	Delivery <- feeder	
XL 75-5	1885 (74.21) 2088 (82.20) 2650 (104.33)	6623 (260.75)
XL 75-5 + L	2929 (115.31) 2088 (82.20) 2650 (104.33)	7667 (301.85)
XL 75-5 + LYL	2929 (115.31) 2088 (82.20) 2088 (82.20) 2650 (104.33)	9755 (384.64)
XL 75-5 + LYYL	1885 (74.21) 3x 2088 (82.20) 2650 (104.33)	10799 (425.16)

Tab. 4 Length of the foundation strip segments for printing presses with DryStar UV

2.3.5 Length of the printing press without DryStar UV in elevated installation

Press version	Length of the printing press for elevated installations [mm] ([in])	
	Extended delivery	
XL 75-5	-	12309 (484.59)
XL 75-5-P	-	13072 (514.65)

Press version	Length of the printing press for elevated installations [mm] ([in])	
	Extended delivery	
XL 75-5 + L	-	13353 (525.70)
	160 cm (63.0 in)	14978 (589.69)
XL 75-5-P + L	-	14116 (555.75)
	160 cm (63.0 in)	15742 (619.75)
XL 75-5 + LYL	160 cm (63.0 in)	17066 (671.89)
	240 cm (94.5 in)	17879 (703.89)
XL 75-5 + LYYL	160 cm (63.0 in)	18110 (712.99)
	240 cm (94.5 in)	18923 (744.99)

Tab. 5 Length of the printing press without DryStar UV in elevated installation

2.3.6 Length of the printing press with DryStar UV in elevated installation

Press version	Length of the printing press for elevated installations [mm] ([in])	
	Extended delivery	
XL 75-5	160 cm (63.0 in)	13934 (548.59)
XL 75-5 + L	160 cm (63.0 in)	14978 (589.69)
	240 cm (94.5 in)	15791 (621.68)
XL 75-5 + LYL	160 cm (63.0 in)	17066 (671.89)
	240 cm (94.5 in)	17879 (703.89)
XL 75-5 + LYYL	160 cm (63.0 in)	18110 (712.99)
	240 cm (94.5 in)	18923 (744.99)

Tab. 6 Length of the printing press with DryStar UV in elevated installation

3 Positions of the leveling blocks and gravity centers

3.1 General information

- All dimensions are in mm (*in*).
- Scale: 1:50.
True-to-scale representation is not ensured with own printouts.
- The following drawings show the positions of the leveling blocks and centers of gravity seen from above.

Symbols

Centers of gravity

3.2 Feeder, first printing unit and medium printing unit

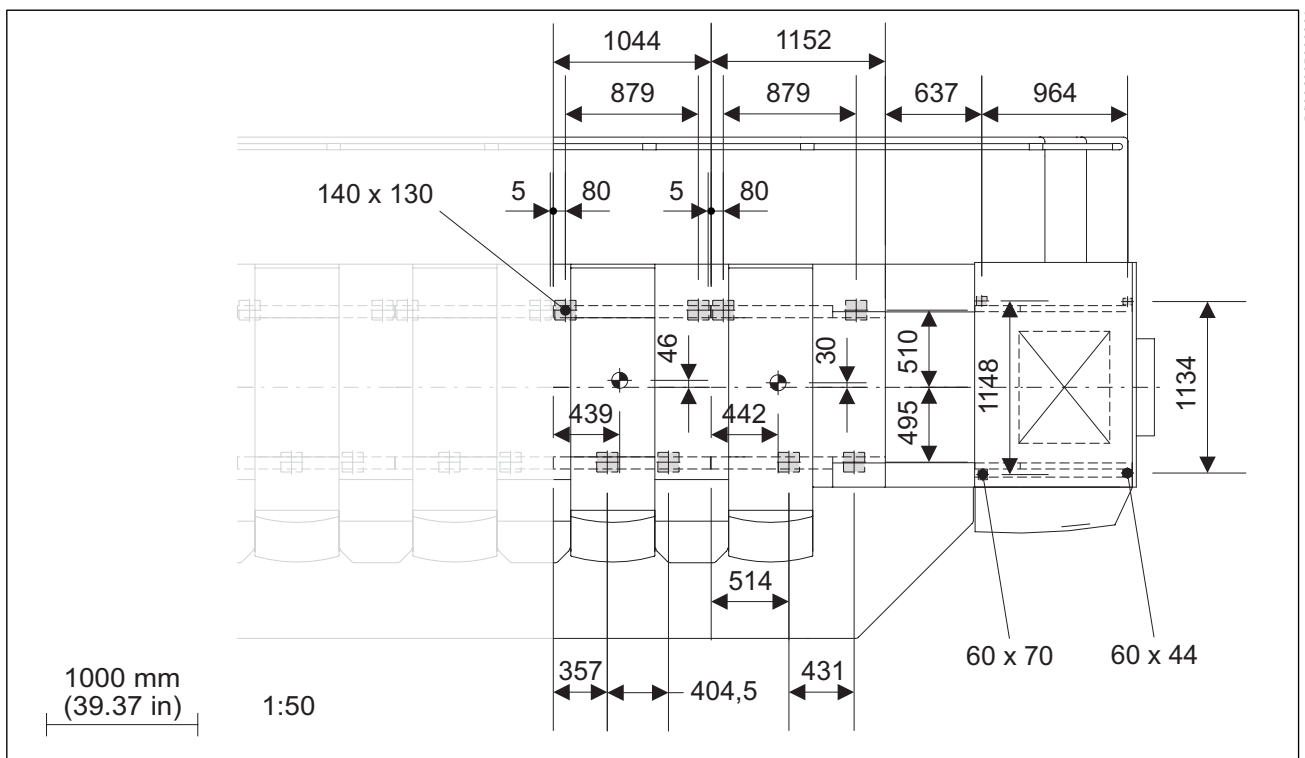


Fig. 19 Leveling blocks and gravity centers

3.3 Printing unit with perfector

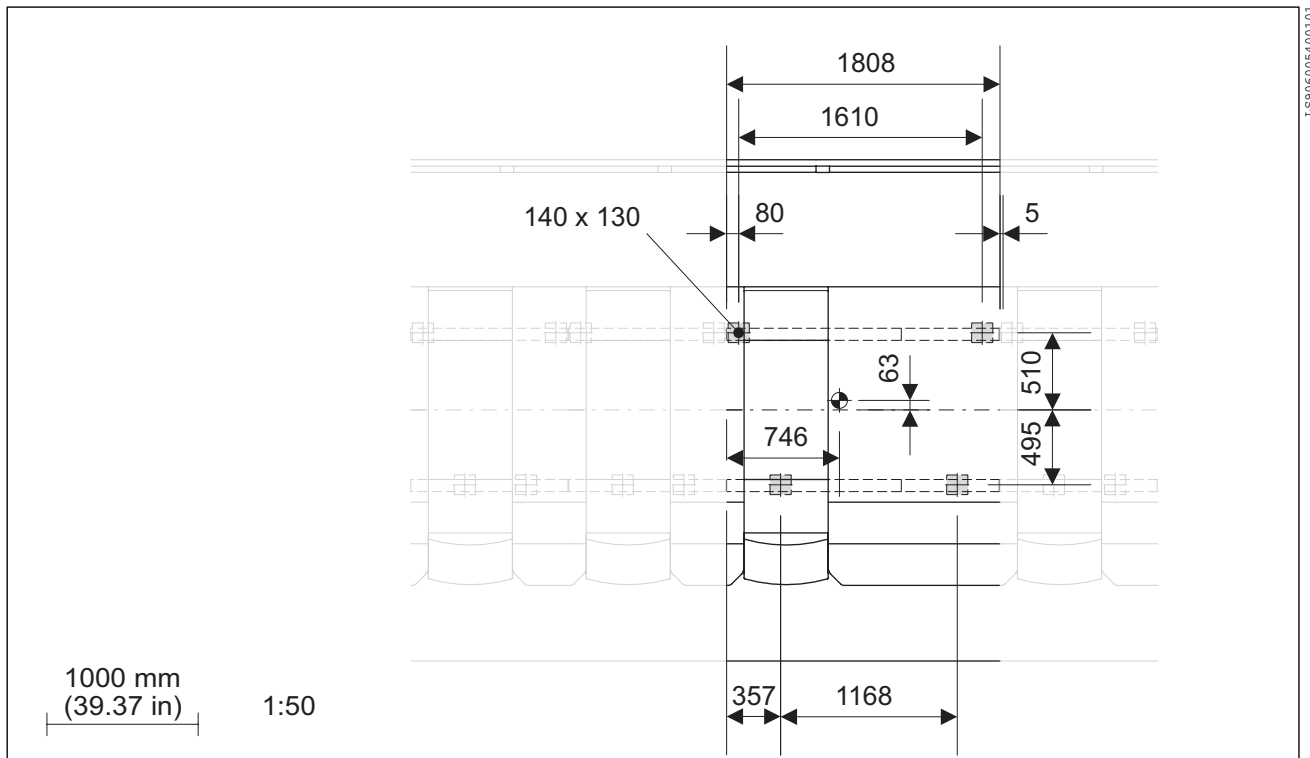


Fig. 20 Leveling blocks and gravity center

3.4 Last printing unit and delivery without extension module

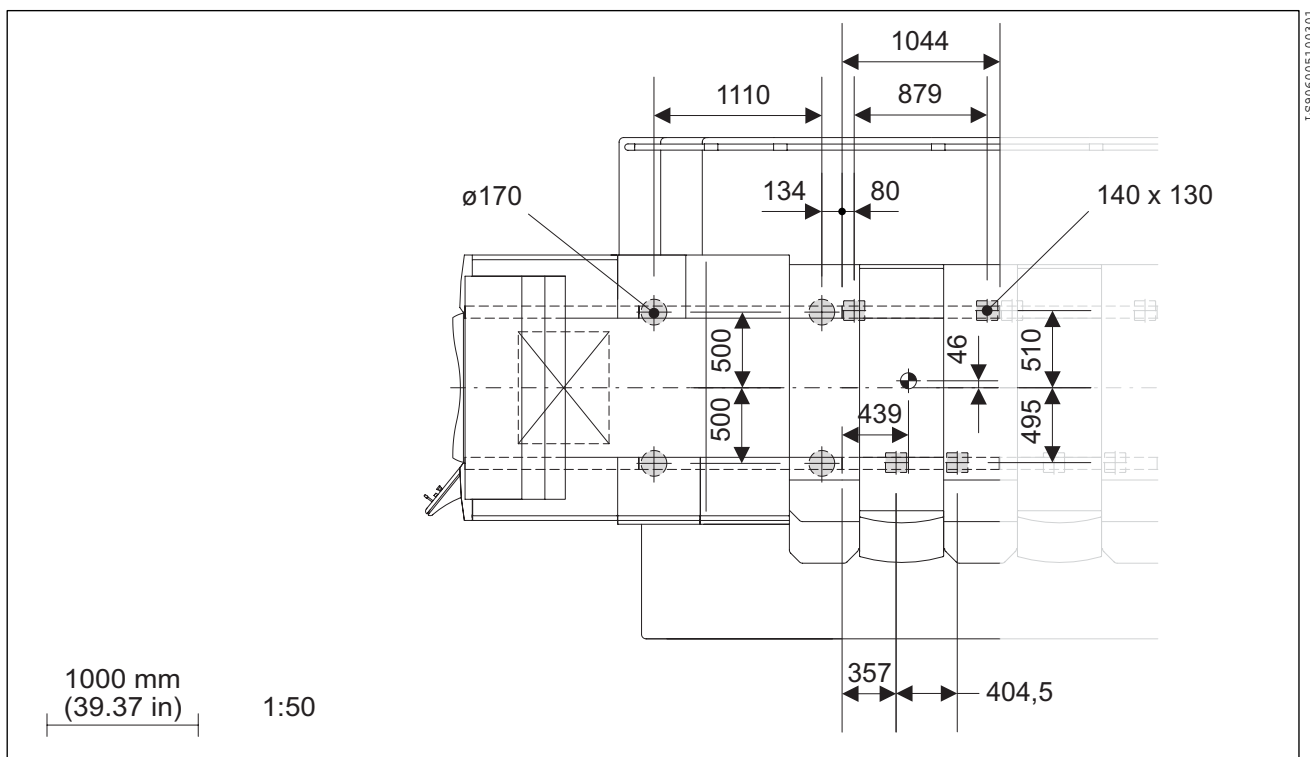


Fig. 21 Leveling blocks and gravity center

3.5 Coating unit and extended delivery 160 cm (63.0 in)

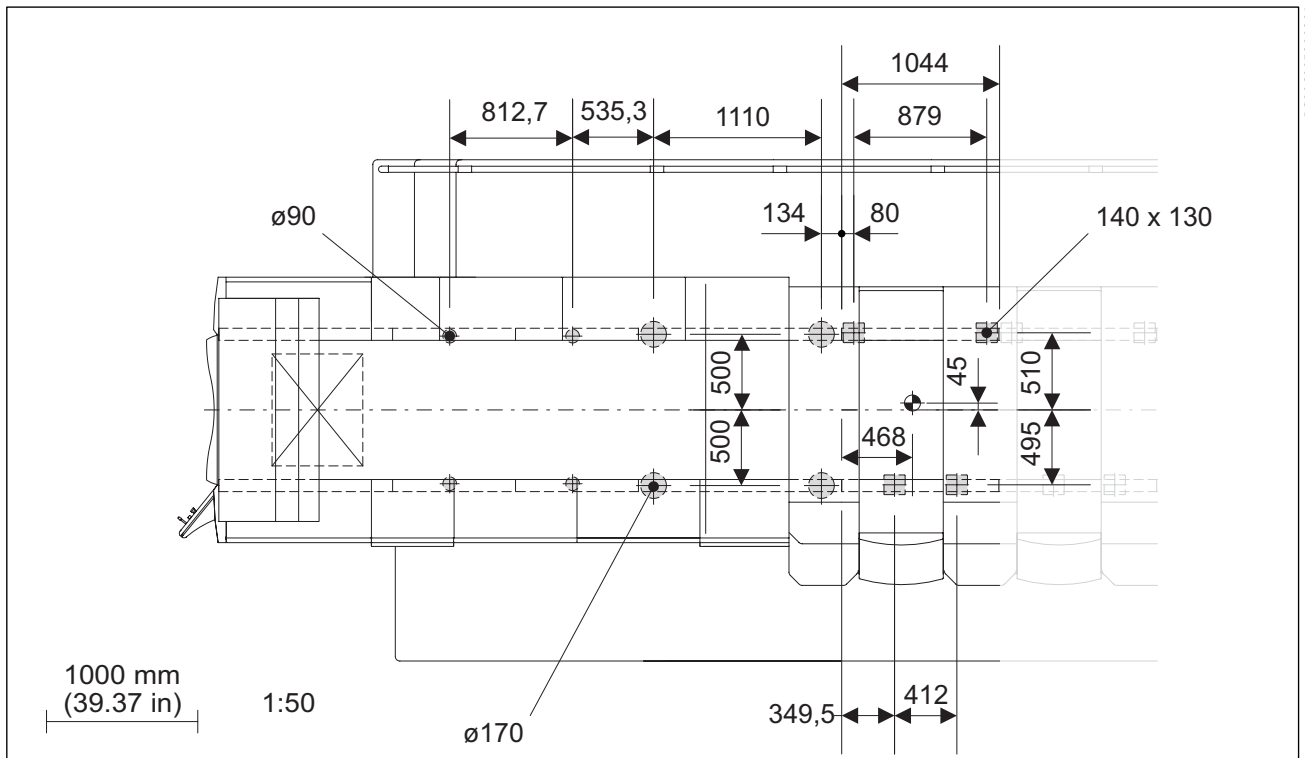


Fig. 22 Leveling blocks and gravity center

3.6 Coating unit and extended delivery 240 cm (94.5 in)

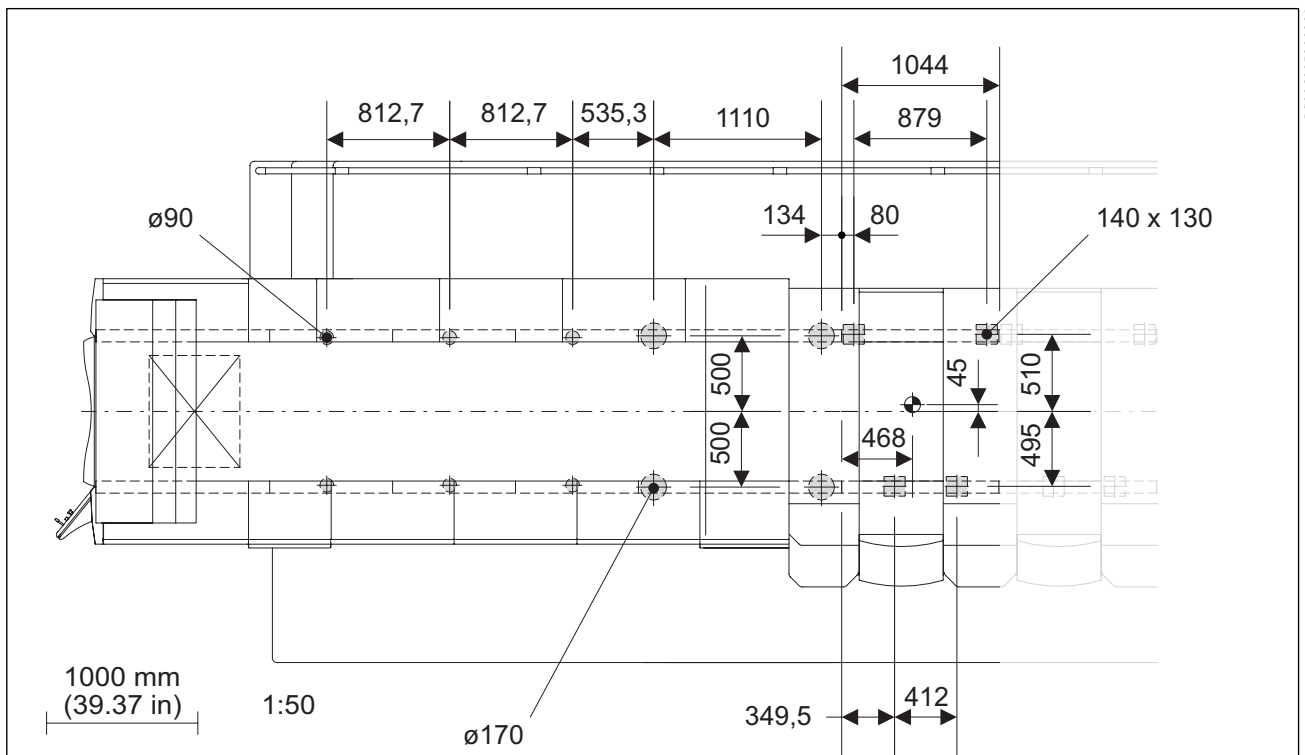


Fig. 23 Leveling blocks and gravity center

4 Dimensions of the preloading device

4.1 General information

- All dimensions are in mm (*in*)
- Scale: 1:50
True-to-scale representation is not ensured with own printouts.
- All printing presses in the XL 75 product line can be optionally equipped with a preloading device. The preloading device permits paper piles to be prealigned accurately outside the printing press.
- The following illustration shows the preloading device from the top view.

4.2 Dimensions of the preloading device

Printing presses with attached preloading device are 90 mm (3.54 in) longer than printing presses without preloading device. And there is another 1595 mm (62.80 in) for the guide rails.

With elevated printing presses, the distance between the beginning of the guide rails to the footboard on O.S. is 1449 mm (57.05 in).

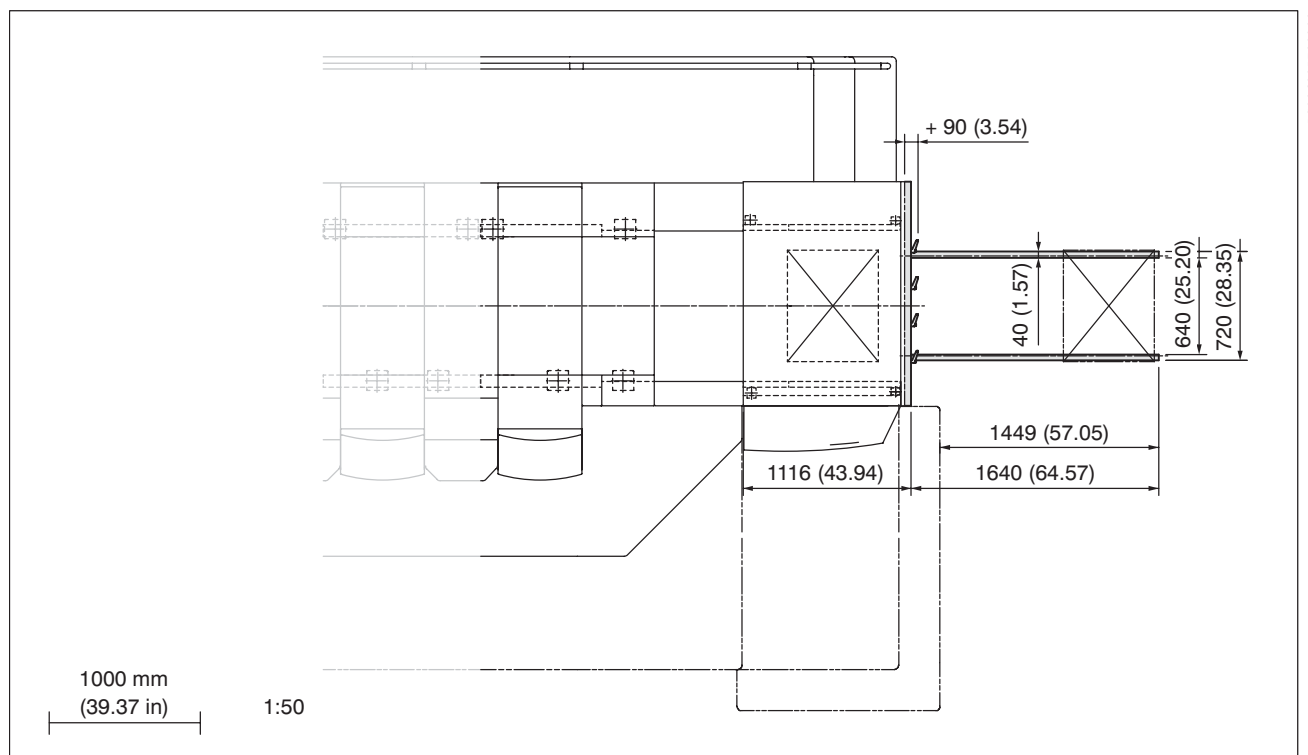


Fig. 24 Preloading device