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Version:

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Machine Specifications - Gen II 3/4 Loader/Full Automation Transition Table

Description: Machine specifications should be used by customers and Field Service Engineers during

initial phases of printer and component logistics planning.

Affected Printers: VUTEk h3 & h5, HS125 Pro, HS100 Pro, VUTEk LX3 Pro (GS3LX)

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Machine Specifications

Use these specifications when planning an automated media installation	ITS-00111, Rev. I
with any compatible hybrid printer.	

Required Tools, Materials and Documents

OMM-00047	Inkjet Solutions Safety Guide	https://inkjet.support.efi.com/doc.php?doc=683

Safety Information



GENERAL

A trained operator must attend the printer at all times during operation. Without the immediate intervention of a trained operator, small problems and failures during printing can create safety hazards as well as the potential for severe damage to your printer.

Revision History

12/22/2014	Rev. A	Released
4/8/2016	Rev. B	Updated
5/6/2016	Rev. C	Updated Electrical specifications, table 4, [360-528 VAC @ 30A (3 Phase)]
5/27/2016	Rev. D	Added Automation Overview pages
10/11/2016	Rev. E	Change wire configuration from 5 wire to 4 wire; see <u>Electrical Specifications</u> .
11/21/2016	Rev. F	 Added missing site plans to pdf including 3/4/Full Automation System One site requirements on last page Changed word "width" to size in 3. Media Specifications
9/14/2017	Rev. G	Added LX3 Printer automation
9/25/2018	Rev. H	Updated <u>Site Plan and Dimensions</u> section.
06/11/2019	Rev. I	Added site plan for h3/h5



Shipping Specifications

Definitions

EFI peripherals are shipped in one of two packaging configurations: crated or uncrated. All peripherals are palletized.

- Crated: EFI peripherals that are shipped outside US borders are shipped in a crate to protect against damage.
- Uncrated: The peripheral has been removed from the shipping crate, removed from pallet, with all packaging removed.

Note: Use the uncrated dimensions to determine if the peripheral will fit through your doorway.

Table 1: Peripheral Dimensions and Weights

	Height	Width (front to back)	Length (left to right)	Weight
Crated	79.5" [2.02m]	92.0" [2.33m]	157.8" [4.01m]	6,165 lb [2,796 kg]
Uncrated	48.0" [121.9cm]	82.0" [208.3cm]	152.0 [386.1cm]	3,840 lb [1,742 kg]

^{*}Uncrated dimensions are listed in the overview pages at the end of this document.

1. Operational Clearances

The drawings at the end of this document show the printer and peripheral dimensions, as well as working clearances needed to accommodate printing operations.



2. Print Environment

Keep the room where the printer and peripherals are located free of dust and other particle contaminants.

Table 2: Environment Specifications

Environment	
Parameter	Value: Imp[Metric]
Ambient Room temperature	68 °F – 86 °F [20 °C – 30 °C]
Relative humidity (Non-condensing)	30-80%

Electrical Specifications

A power cable must be supplied by the customer. Size and configuration is determined by local code requirements. A licensed electrician must ensure that your printer's dedicated power source meets the specification requirements.

Table 3: Electrical Specifications

Parameter	Value	
Power, Nominal	360-528 VAC @ 30A (3 Phase)	
Power, Absolute Min/Max	Main Input (L1, L2, L3, PE at main disconnect switch) 360-528 VAC L-L, 208-305 VAC L-PE	
	MAINS (L1, L2, L3, at power distribution block PDB206) 360-528 VAC L-L, 208-305 VAC L-chassis	
	XFMR OUT (L1, L2, L3, PE at power distribution block PDB215) 180-264 VAC L-L, 104-152 VAC, L-PE	
Frequency	50 or 60 Hz	
Wiring	3-phase, 4 wire (3 legs + Earth Ground)	
Legend: L – Line	L-L – Line to Line PE – Physical Earth	
Important: Installers must measure the line-to-line, line-to-chassis, and line-to-ground voltages. The voltages difference must be within the above specifications.		



Compressed Air – Main Peripheral

Table 4: Compressed Air Specifications

Air	
Parameter	Value: Imp[Metric]
Main Input	70-85 psi [4.82 bar]
	>/= 0.5 SCFM [0.845 m ³]
Main Air Regulator	45 psi (+/- 5)
Fence Assy. Regulator	45 psi (+/- 5)

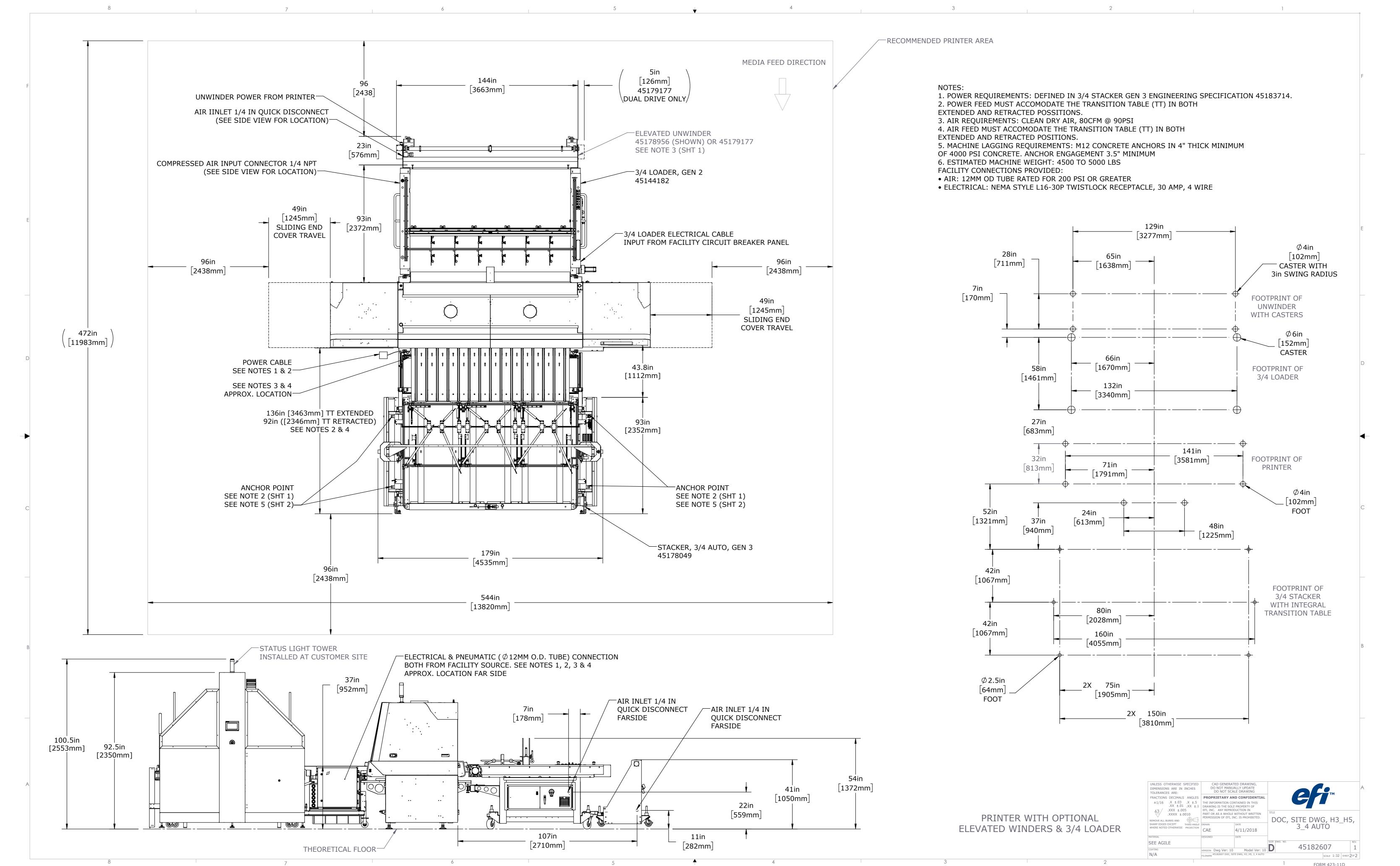
Media Specifications

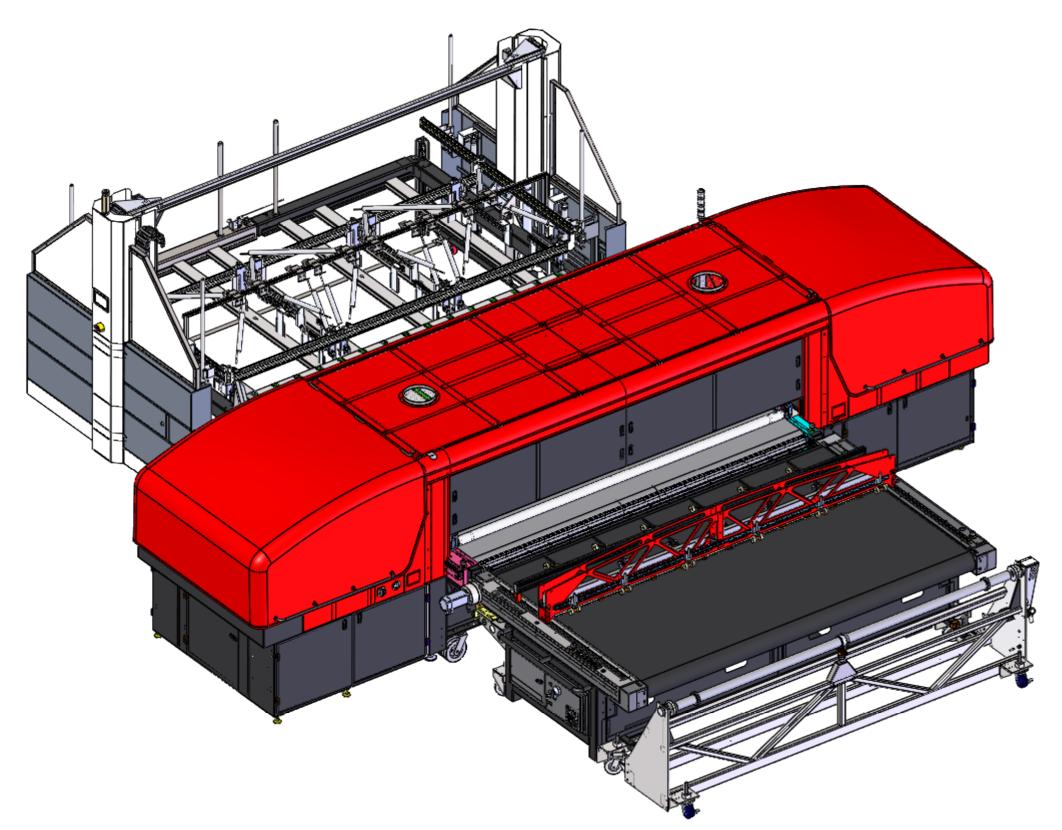
Table 5: Media Specifications

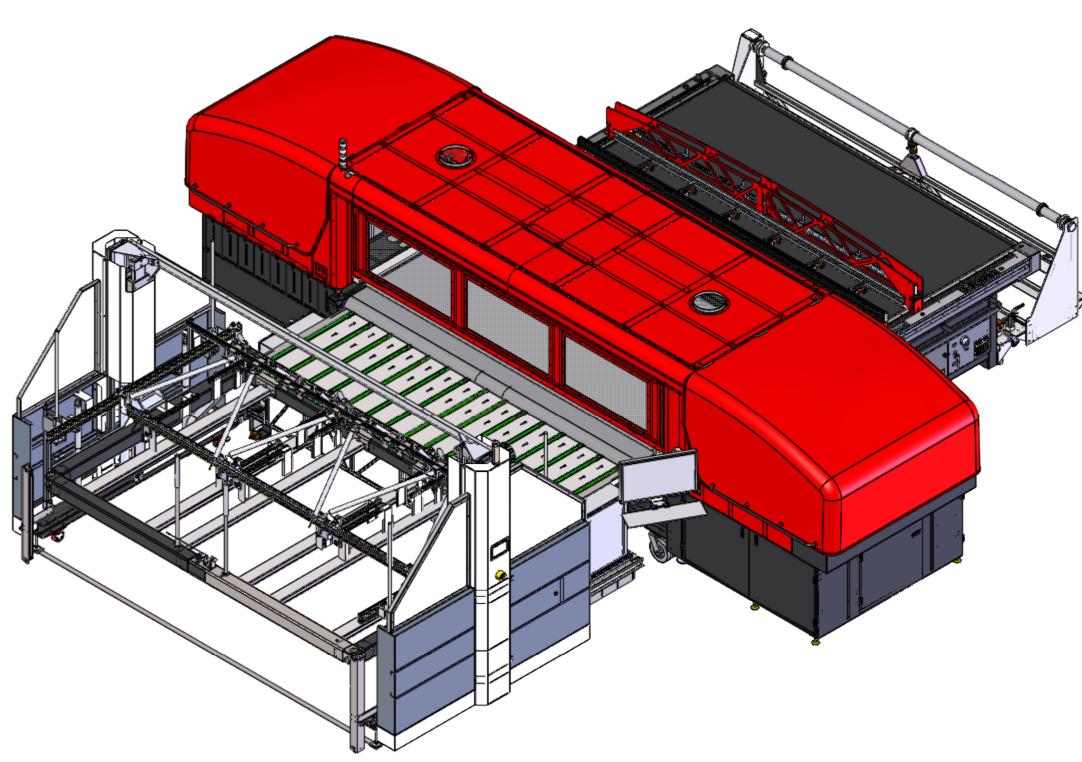
Media Specifications		
Parameter	Value: Imp[Metric]	
Media Size, Min.	36 inches [91.44 cm] x 36 inches [91.44 cm]	
Media Size, Max.	60 inches [152.4 cm] x 120 inches [304.8 cm]	
Sheet Thickness, max	2 inches [5.08 cm]	
Max. Sheet Weight	10 lbs or 6 psi, whichever is less	
	4.54 kg or [0.421842 kg force], whichever is less	

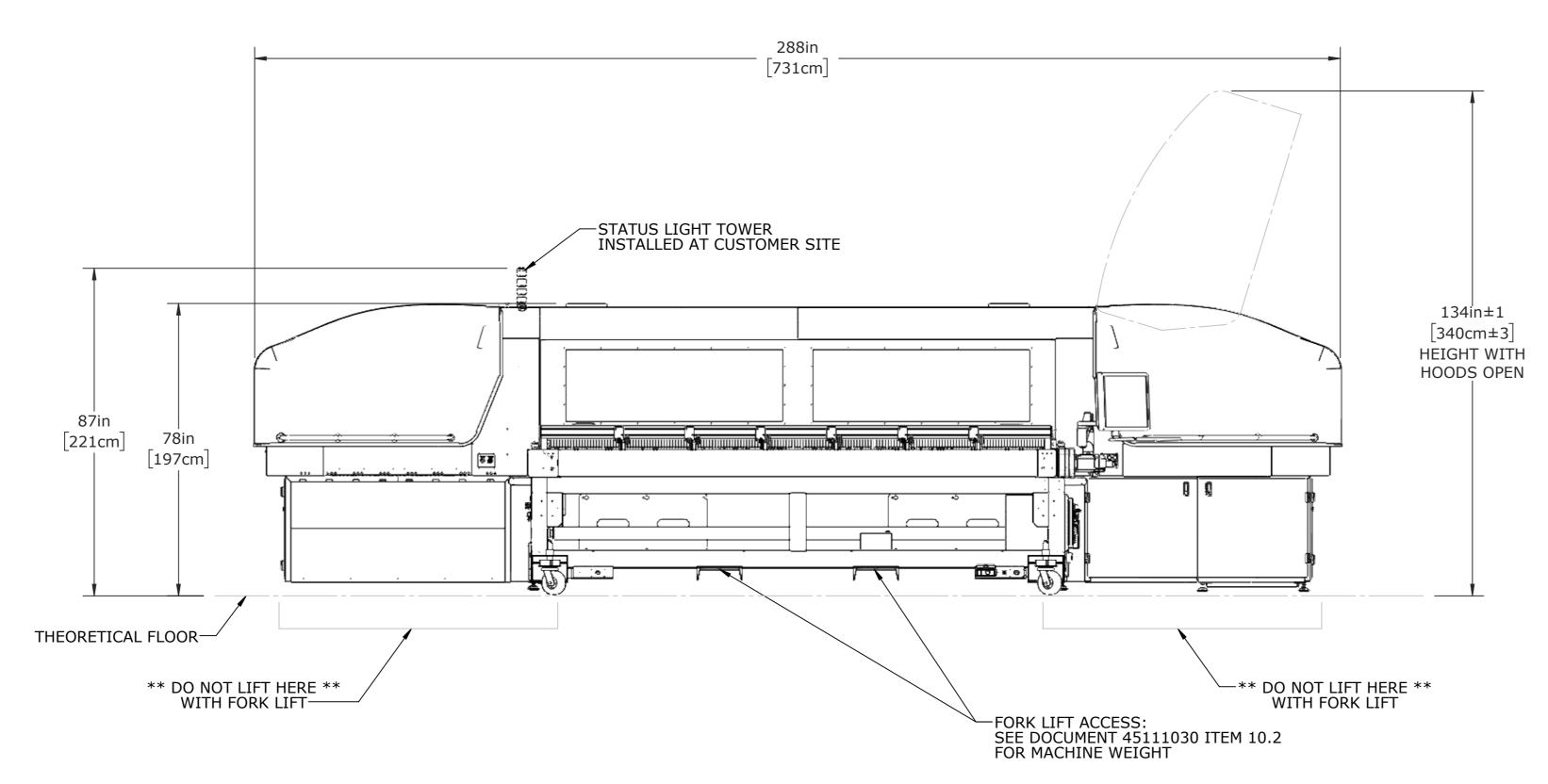
3. Site Plan and Dimensions

The drawings shown on the following pages of this document illustrate the peripheral dimensions in an automated printing configuration. To ensure that you have the latest version of this drawing, contact your field service engineer before site planning.









OUTPUT STACKER REMOVED FOR CLARITY

NOTES:
1. DIMENSIONS ARE NOMINAL EXCEPT AS SHOWN (DUAL DIMENSIONS ARE IN CENTIMETERS)
2. STACKER SHOWN ON SHEET 2 MUST BE ANCHORED TO THE FLOOR, AFTER FINAL POSITION IS ESTABLISHED.
3. ELEVATED UNWINDER REQUIRES DOCKING KIT 45182839 SUPPLIED WITH WINDER. SEE 45182427 FOR WINDER INPUT REQUIREMENTS.
4. MATE REQUIREMENTS FOR SUPPLIED COMPRESSED AIR FITTINGS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES

CAD GENERATED DRAWING,
DO NOT MANUALLY UPDATE
DO NOT SCALE DRAWING

PROPRIETARY AND CONFIDENTIAL FRACTIONS DECIMALS ANGLES

±1/16 .X ±.03 .X ±.5

.XX ±.01 .XX ±.1

63 .XXX ±.005
.XXXX ±.0010

REMOVE ALL BURRS AND
SHARP EDGES EXCEPT
WHERE NOTED OTHERWISE

WHERE NOTED OTHERWISE

PROPRIETARY AND CONFIDENTIAL

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DRAWN
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TABLE 18 1 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF EFI, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF EFI, INC. IS PROHIBITED.

DATE

7/3/2018 DOC, SITE DWG, HS, 3_4 AUTO SEE AGILE VERSION DWg Ver: 7 Model Ver: 4

FILENAME 45182721 DOC, SITE DWG, HS, 3_4 AUTO 45182721 SCALE 1:30 SHEET1OF3

MEDIA FEED DIRECTION 192in [488cm] 5in [13cm] 45179177 UNWINDER POWER FROM PRINTER— \DUAL DRIVE ONLY/ AIR IINLET 1/4 IN QUICK DISCONNECT ELEVATED UNWINDER (SEE SIDE VIEW FOR LOCATION)— 144in 45178956 (SHOWN) OR 45179177 366cm COMPRESSED AIR INPUT— SEE NOTE 3 (SHT 1) CONNECTOR 1/4 NPT -3/4 LOADER, GEN 2 (SEE SIDE VIEW FOR LOCATION) 45144182 -3/4 LOADER ELECTRICAL CABLE NPUT FROM FACILITY 23in [58cm] CIRCUIT BREAKER PANEL ELECTRICAL CABLE INPUT FROM FACILITY CIRCUIT BREAKER PANEL -RJ45 ETHERNET CONNECTOR 172cm 100in COMPRESSED [255cm] AIR INPUT 1/4 NPT— (SEE NOTE 4 71in SHT 1) [180cm] 67in 144in 144in 67in 170cm 366cm 366cm [170cm] 30in 25in 25in [77cm] [64cm] [64cm] 112in [224cm] [284cm] [102cm] |102cm| OPTIONAL SLIDING END COVER TRAVEL OPTIONAL SLIDING END COVER TRAVEL (REF. 45153216) (REF. 45153216) POWER CABLE EXHAUST COLLARS: [123cm] SEE NOTES 1 & 2 OUTSIDE DIAMETER 10.25" [26cm) INSIDE DIAMETER 10" [25.4cm] SEE NOTES 3 & 4 APPROX. LOCATION— [235cm] 136in [346cm] TT EXTENDED 92in ([235cm] TT RETRACTED) SEE NOTES 2 & 4 -ANCHOR POINT SEE NOTE 2 (SHT 1) SEE NOTE 5 (SHT 2) ANCHOR POINT SEE NOTE 2 (SHT 1) SEE NOTE 5 (SHT 2)— 179in -STACKER, 3/4 AUTO, GEN 3 [454cm] 45178049 192in [488cm]

3/4 STACKER GEN 3 (45178049)

- 1. POWER REQUIREMENTS: DEFINED IN 3/4 STACKER GEN 3 ENGINEERING SPECIFICATION 45183714.
 - 2. POWER FEED MUST ACCOMODATE THE TRANSITION TABLE (TT) IN BOTH
 - EXTENDED AND RETRACTED POSSITIONS. 3. AIR REQUIREMENTS: CLEAN DRY AIR, 80CFM @ 90PSI
- 4. AIR FEED MUST ACCOMODATE THE TRANSITION TABLE (TT) IN BOTH
- EXTENDED AND RETRACTED POSITIONS.
- 5. MACHINE LAGGING REQUIREMENTS: M12 CONCRETE ANCHORS IN 4" THICK MINIMUM OF 4000 PSI CONCRETE. ANCHOR ENGAGEMENT 3.5" MINIMUM
- 6. ESTIMATED MACHINE WEIGHT: 4500 TO 5000 LBS

FACILITY CONNECTIONS PROVIDED:

- AIR: 12MM OD TUBE RATED FOR 200 PSI OR GREATER
- ELECTRICAL: NEMA STYLE L16-30P TWISTLOCK RECEPTACLE, 30 AMP, 4 WIRE

-RECOMMENDED PRINTER AREA

UNLESS OTHERWISE SPECIFIED CAD GENERATED DRAWING, DIMENSIONS ARE IN INCHES
TOLERANCES ARE:

DO NOT MANUALLY UPDATE
DO NOT SCALE DRAWING TOLERANCES ARE: FRACTIONS DECIMALS ANGLES PROPRIETARY AND CONFIDENTIAL FRACTIONS DECIMALS ANGLES ±1/16 .X ±.03 .X ±.5
.XX ±.01 .XX ±.1
63 .XXX ±.005 .XXXX ±.0010

REMOVE ALL BURSS AND SHAPP EDGES EXCEPT THIRD ANGLE WHERE NOTED OTHERWISE PROJECTION

REMOVE ALL DURSS AND SHAPP EDGES EXCEPT THIRD ANGLE WHERE NOTED OTHERWISE PROJECTION

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FILENAME 45182721 DOC, SITE DWG, HS, 3_4 AUTO 45182721

SCALE 1:35 SHEET 20F3

