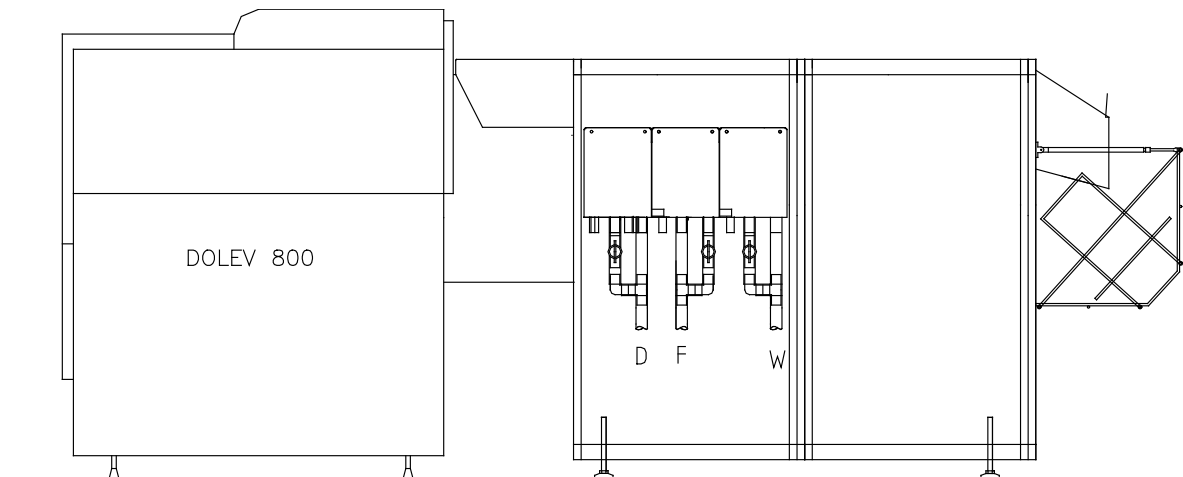


Important

Your on-line processor has a built in exhaust blower. If the main switch is switched off, the blower is disconnected and chemical fumes can damage conveyor/imagesetter. Use the bulid in timer to control on/off/night mode of the processor to ensure that the exhaust blower is always running.



**Creo
Dolev 800 V / Dolev 800 V²⁻³⁻⁴**

**Hope / Carnfeldt
EG 901**

8.1 General

This section contains the processor's basic operating instructions for working on-line with an imagesetter.

Before operating the processor on-line, the procedures in section three Installation must be performed. Read this entire section and section four (operation) before attempting to operate the processor.

8.2 Installation of On-Line Section

Special care should be taken when the processor is connected to imagesetter. Is advisable to

install the imagesetter first. The imagesetter should be "levelled" and be put in its final position before the processor is connected.

Install the processor as described in section three. Level the processor in to its final position before Chemistry is added.

Connect the 9 pin interface cable to the conveyor. Turn the power on and test the installation.

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Edition: 7 Nov 2002






Product number:


317980

317981


8.3 Conveyor Operation

The operation of the conveyor is displayed on the left icon. Please observe the conveyor icons:




-  Empty conveyor, ready.
-  Film is being transported in to the conveyor
-  Film is in the conveyor.
-  Film has entered the processor.
-  Off-line feed.

 Settings of timer and conveyor speed are adjusted in the service menu. To access the service menu please see section 5.7

Communication Signals

To display the signals from the imagesetter use the information screen shown below. To access from the main menu push **S**  **→ →**

For more information see section four

			
IN-PUT	CON1	CON2	CON3
	1	0	0
	PH01	PH02	PH03
	1	1	1
	CONV. STATE		
	1		

Operation.

CONX - Status conveyor switches.

PHOX - Status signals from imagesetter.

CON1 - Conveyor sensor right or left
Activated = 1.

PH01 - PH04 - Not used on Dolev 800
CONV. STATE (See state diagram page 93)

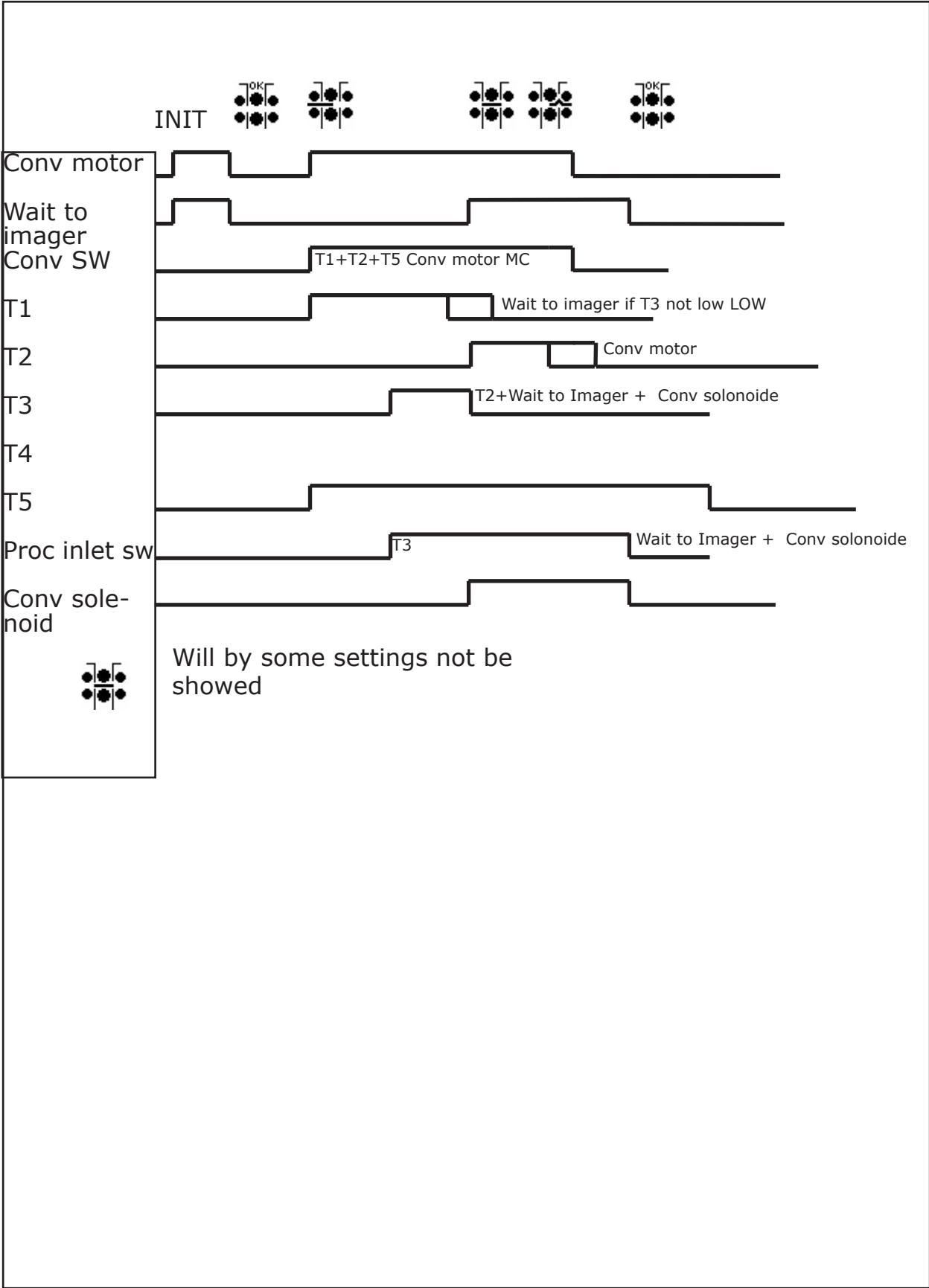
Conveyor Timer Settings

Number	Settings V2/ V3-V4	Units	Description
Conv. Timer 1	50/25	0,1 Sec	Ready delay: The time from activation of conveyor sensor wait is sent to imagesetter.
Conv. Timer 2	40/20	0,1 Sec	Conveyor motor delay: The time from the film has left the buffer to conveyor motor stop. Includes timer 3.
Conv. Timer 3	15/4	0,1 Sec	No-Feed delay: The time activation of the inlet sensor to conveyor motor stop.
Conv. Timer 4	-	0,1 Sec	Not used on Dolev.
Conv. Timer 5	40/40	Sec	Conv: Time out, error time out.

Conveyor/Photoset: CreoScitex Dol 800

Conv. motor speed1: 255

Timing diagram Dolev 800 on-line

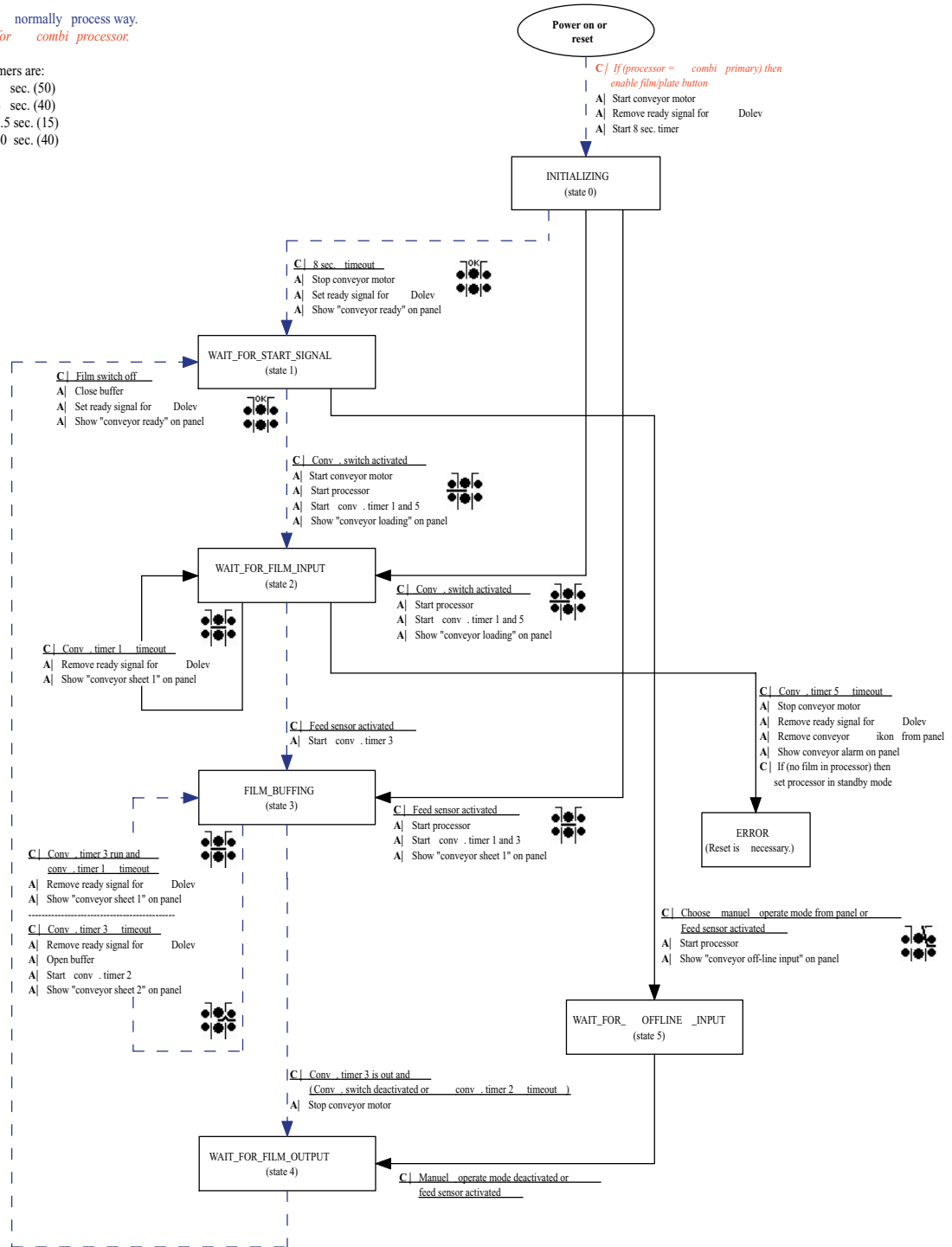


SECTION EIGHT: On-Line Description Creo Models

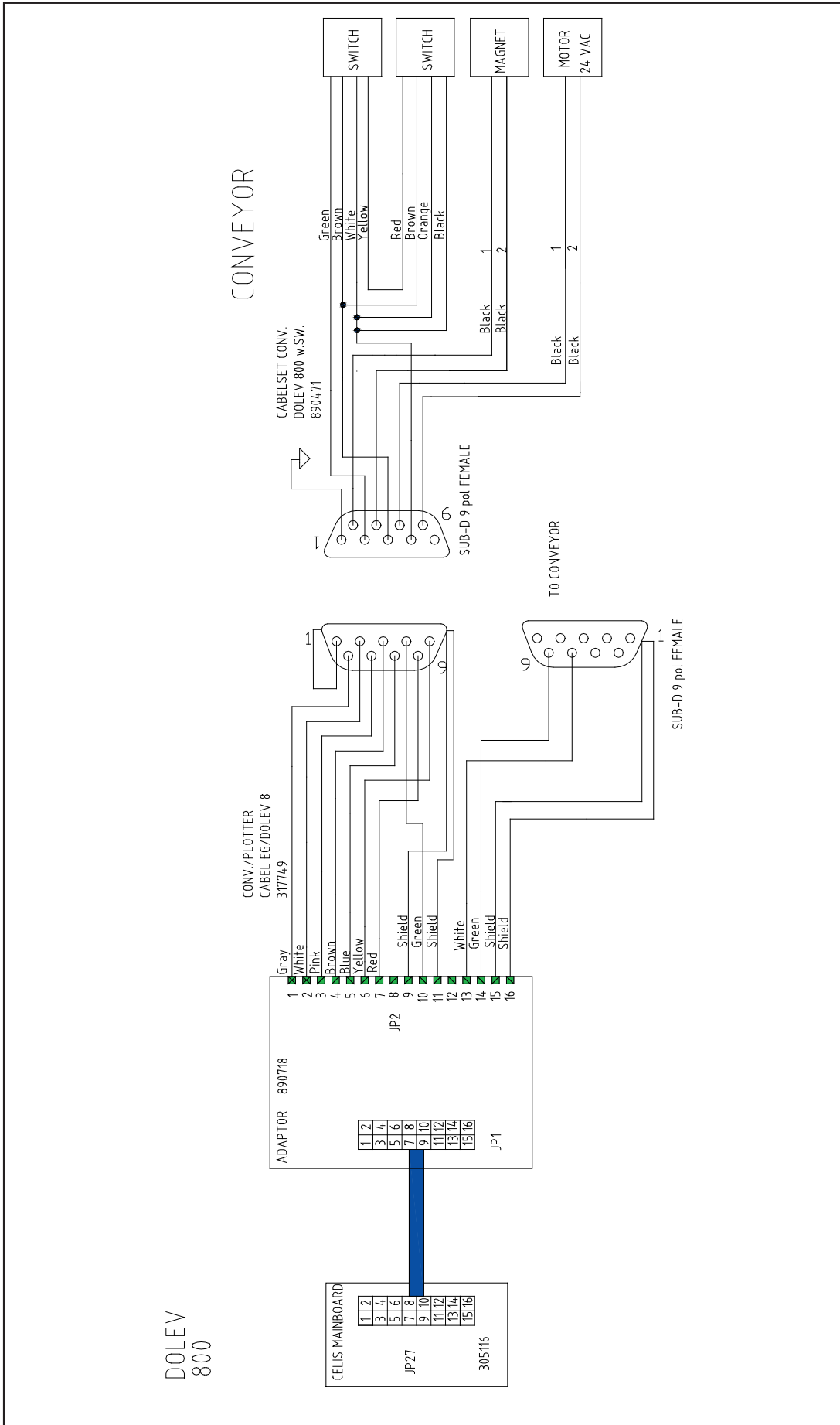
C| = C ommand
A| = A ction

Dashed line is the normally process way.
Italic font is only for combi processor.

Default conv. timers are:
Conv. timer 1 = 5 sec. (50)
Conv. timer 2 = 4 sec. (40)
Conv. timer 3 = 1.5 sec. (15)
Conv. timer 5 = 40 sec. (40)

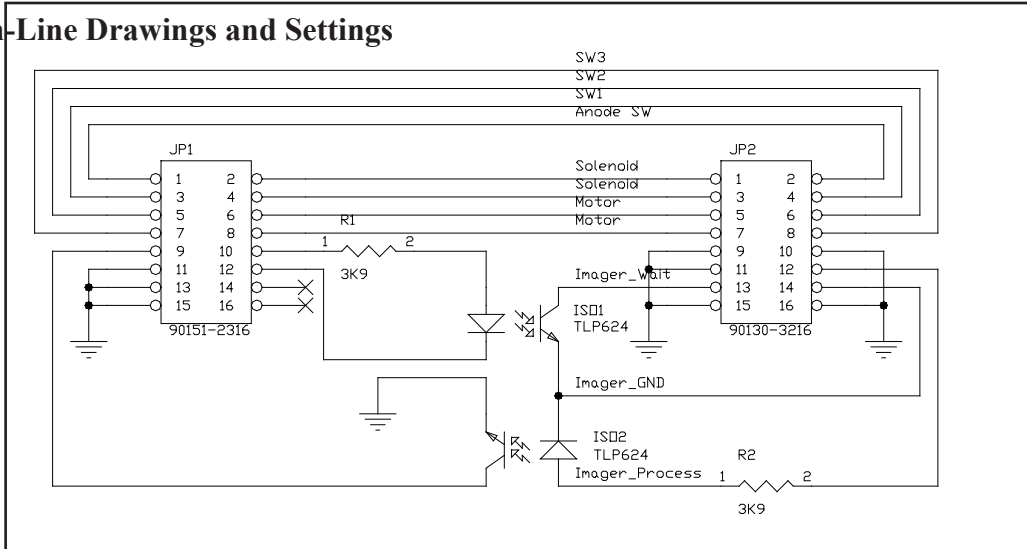


State diagram Dolev 800

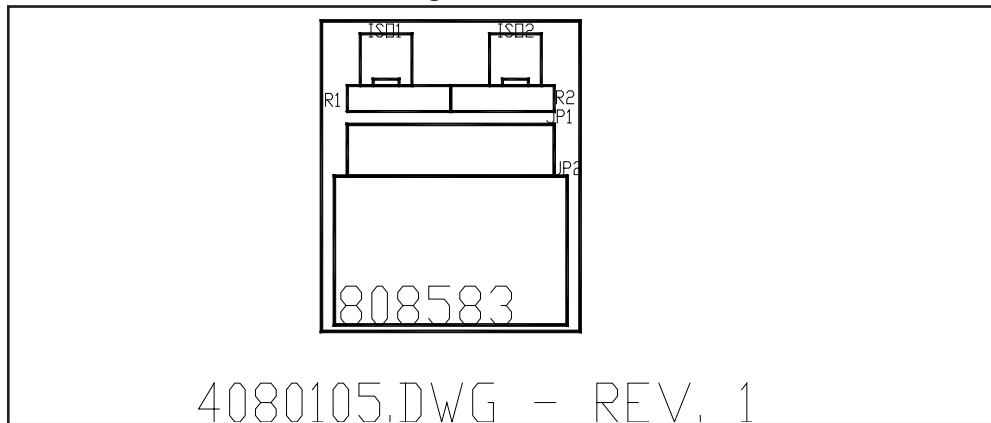


Conveyor diagram, Dolev 800, drawing 317795

8.4 On-Line Drawings and Settings



Interface PCB for Dolev 800, drawing 4080105



Interface PCB for Dolev 800 layout, drawing 890718

Test of Ready Signal for Dolev 800

1. Enter the service menu.
2. Select output.
3. Press the right arrow (Fig 1)
- Activate 1. DC MOTOR 1 (Fig 2).
4. The optocoupler ISO1 will be active until you press off or until you exit the service menu.

 **The interface PCB is placed on the conveyor sensor plug !**

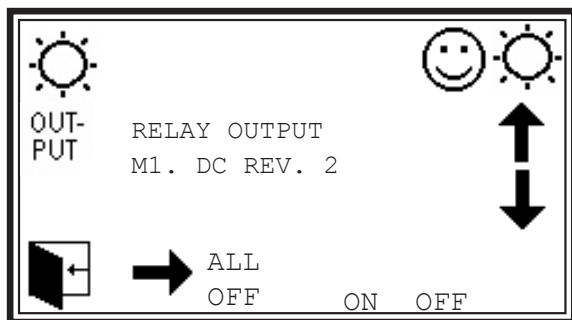


Fig 1

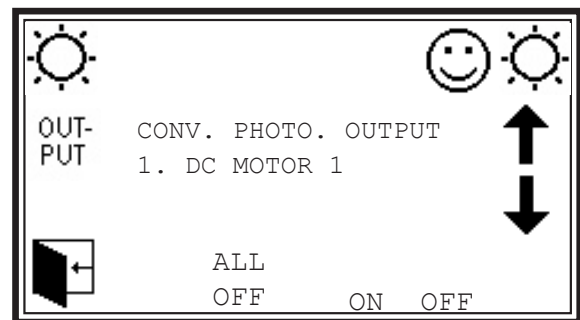
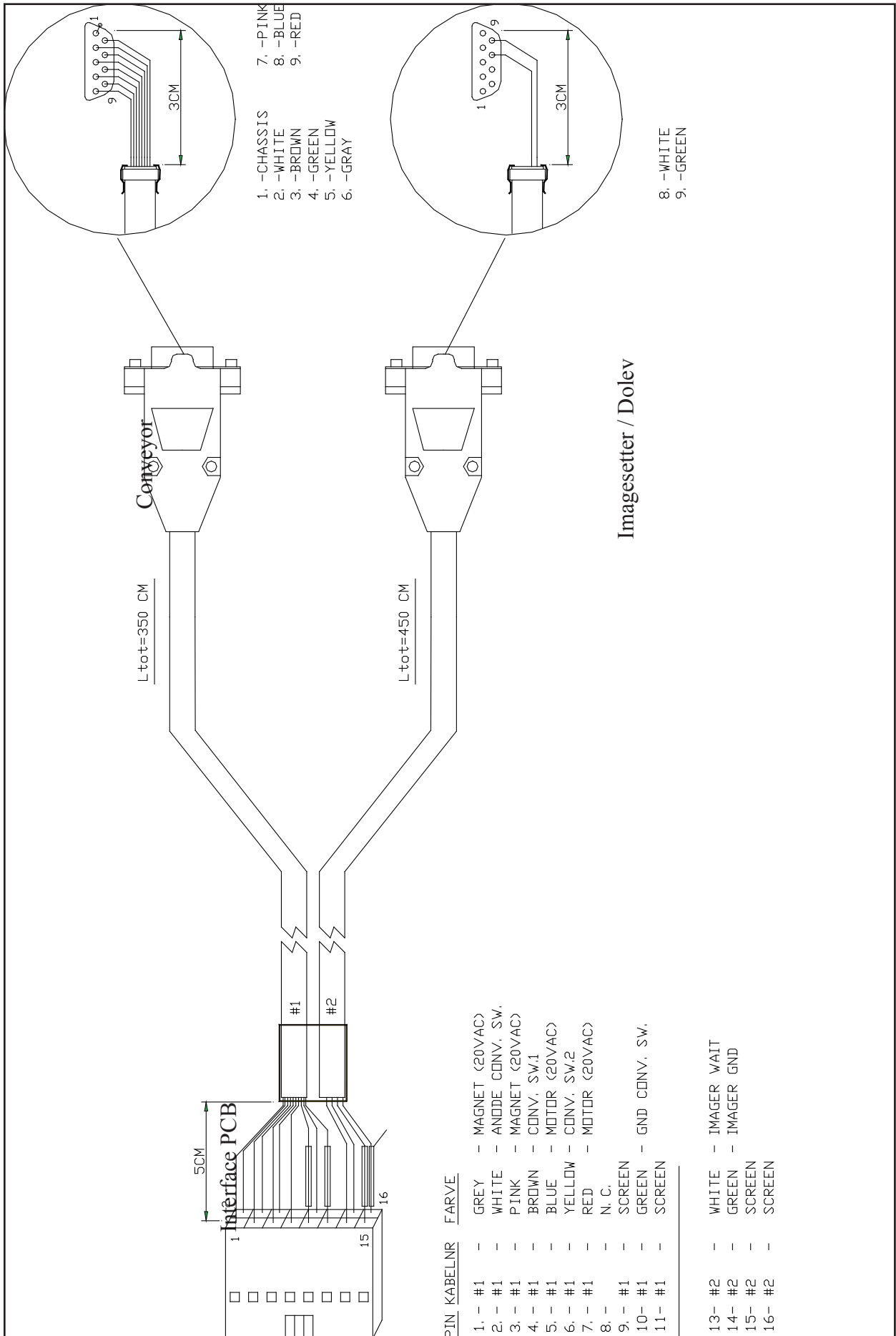
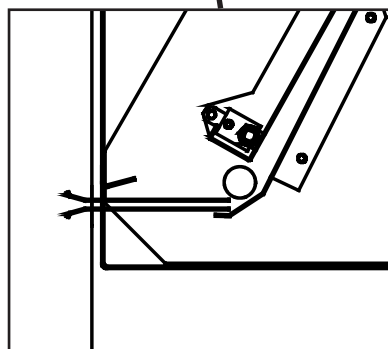
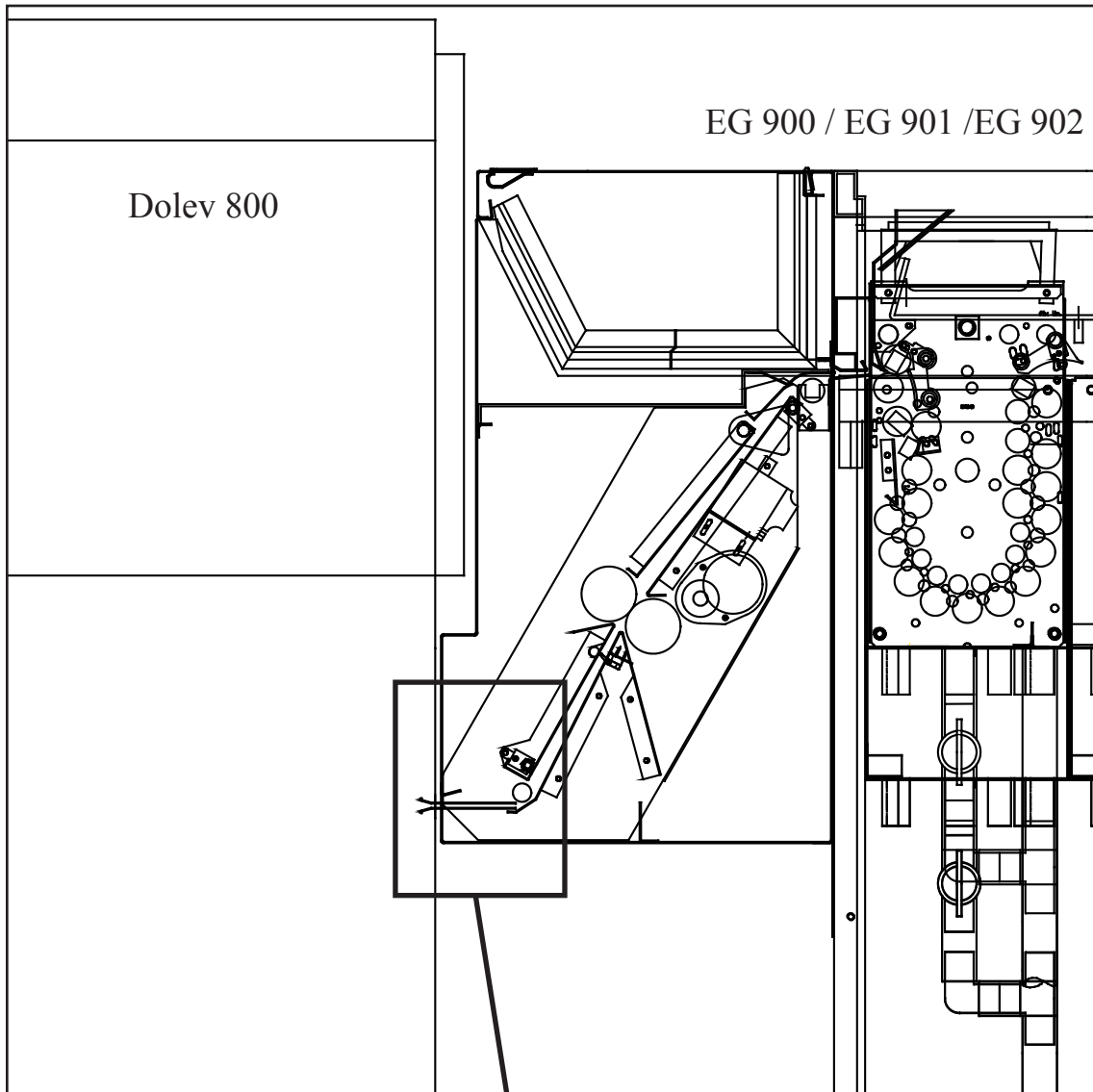


Fig 2

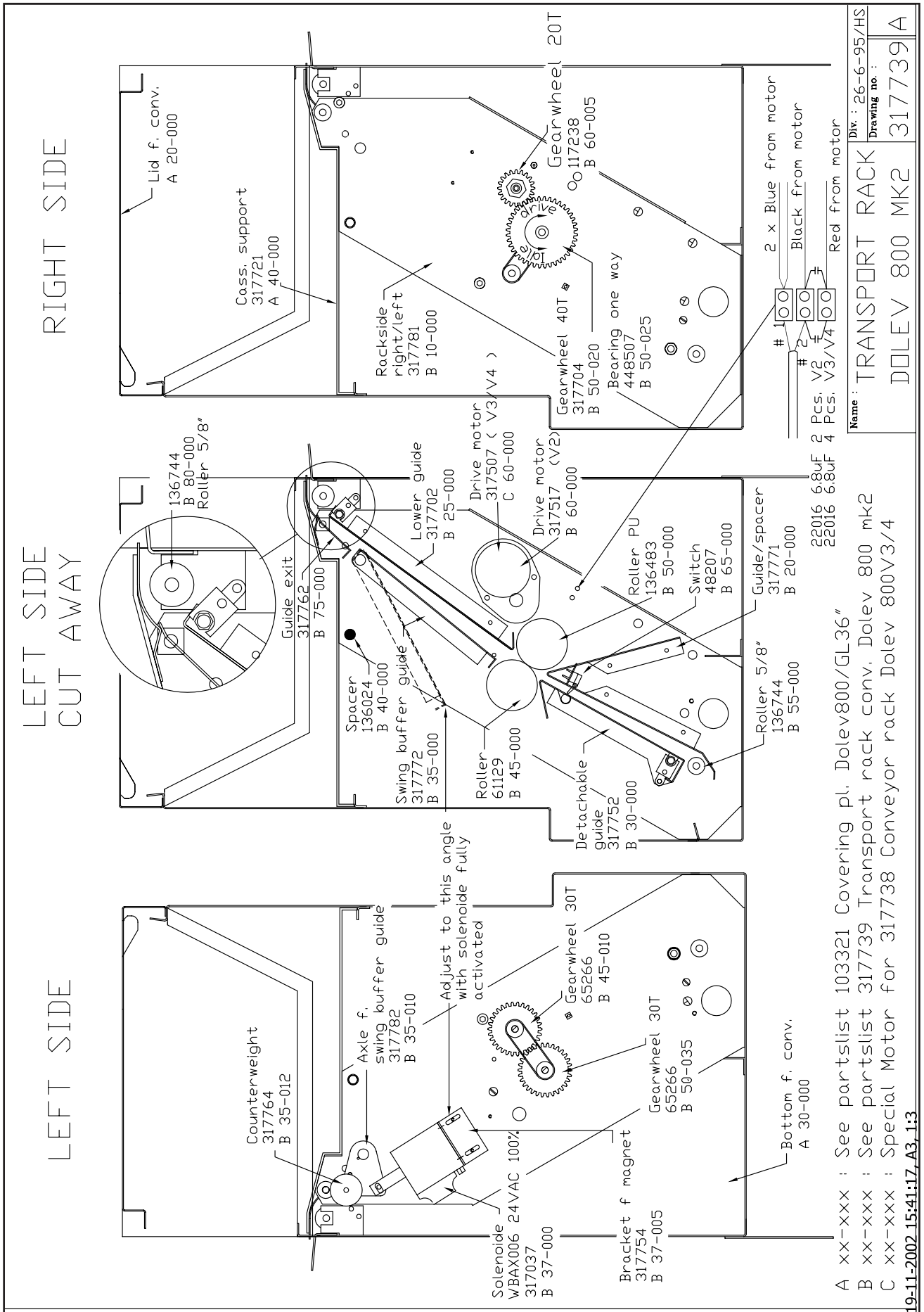
SECTION EIGHT: On-Line Description Creo Models

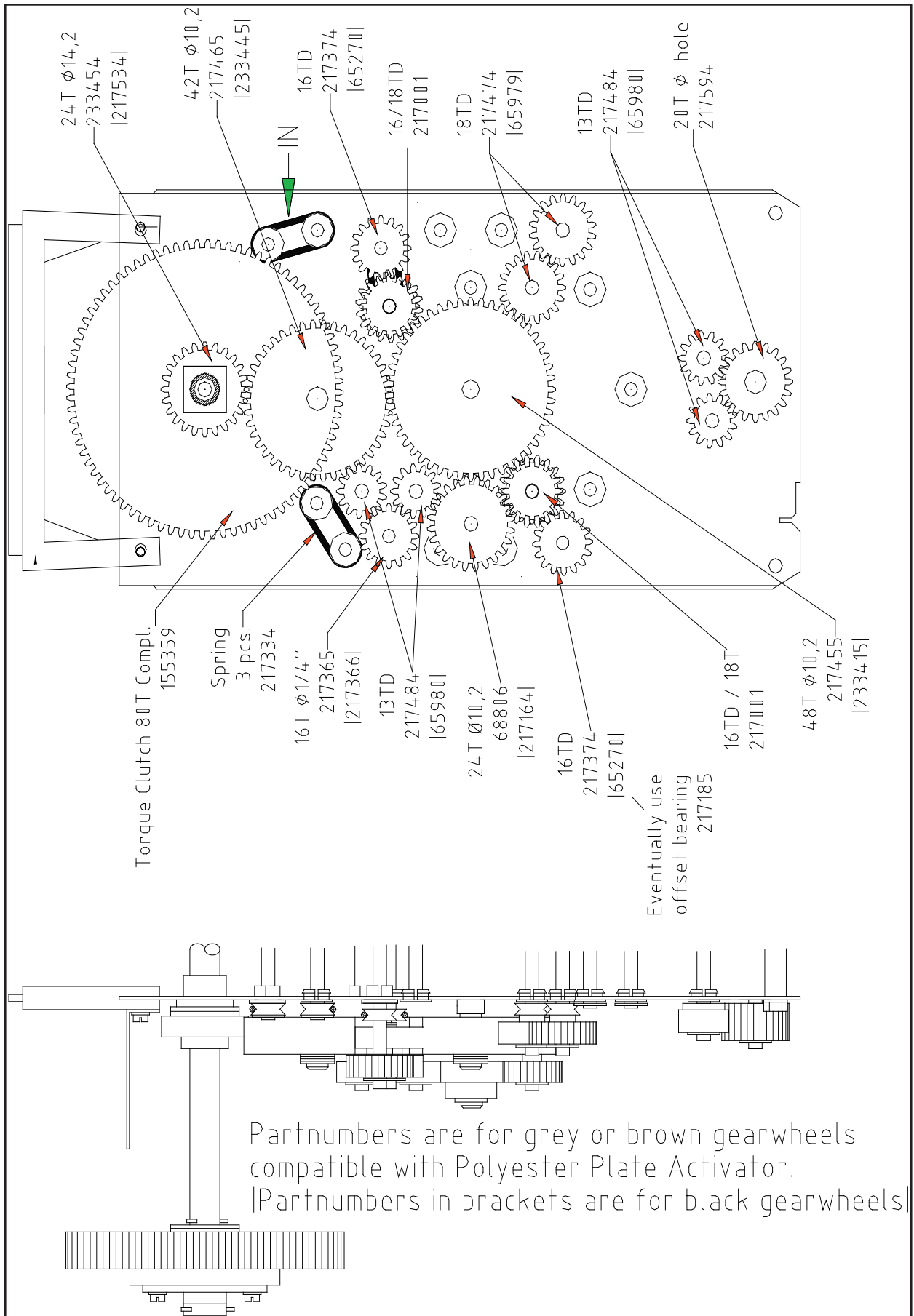


Cable - Conveyor / Imagesetter, Drawing 317749



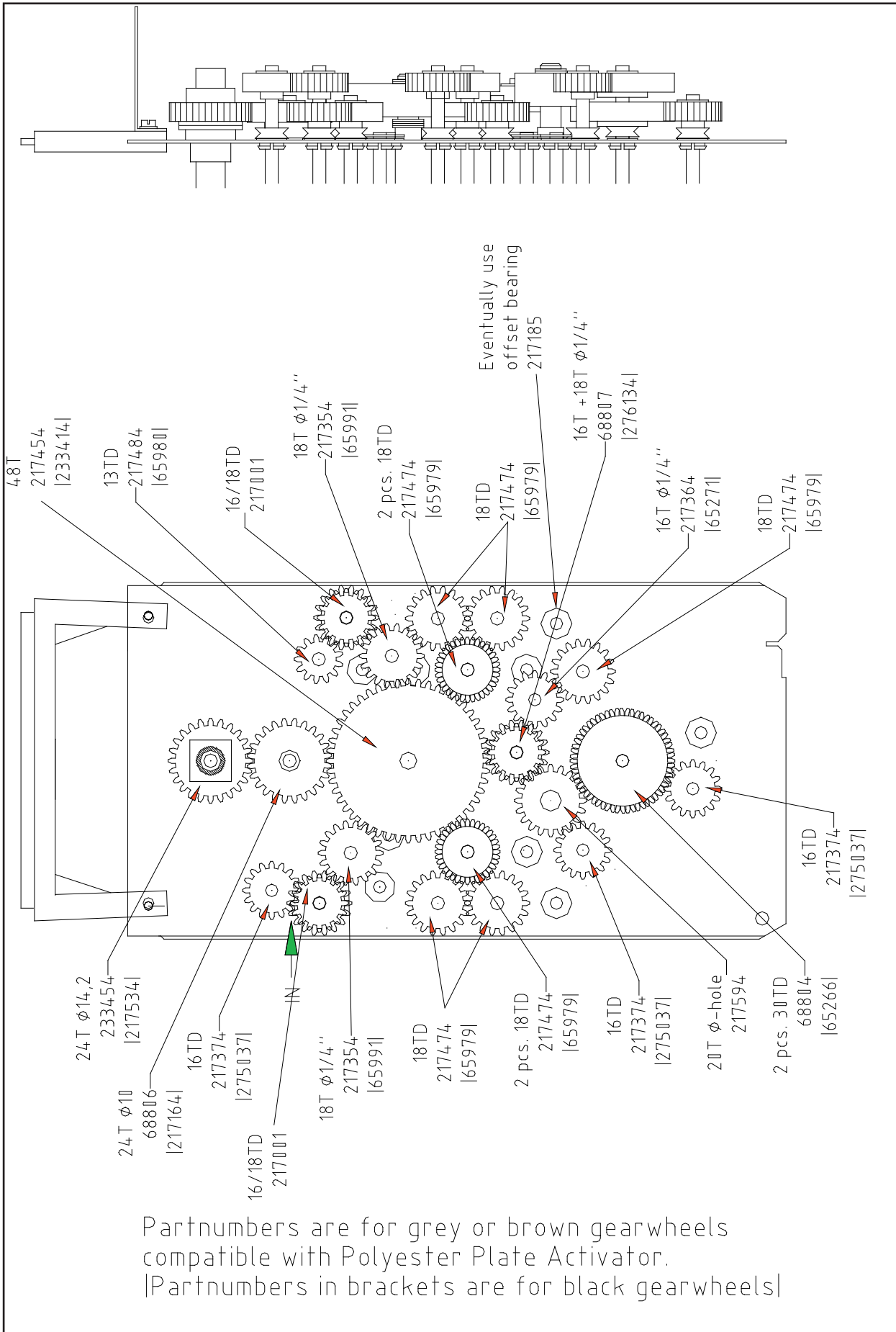
Conveyor Overview Drawing





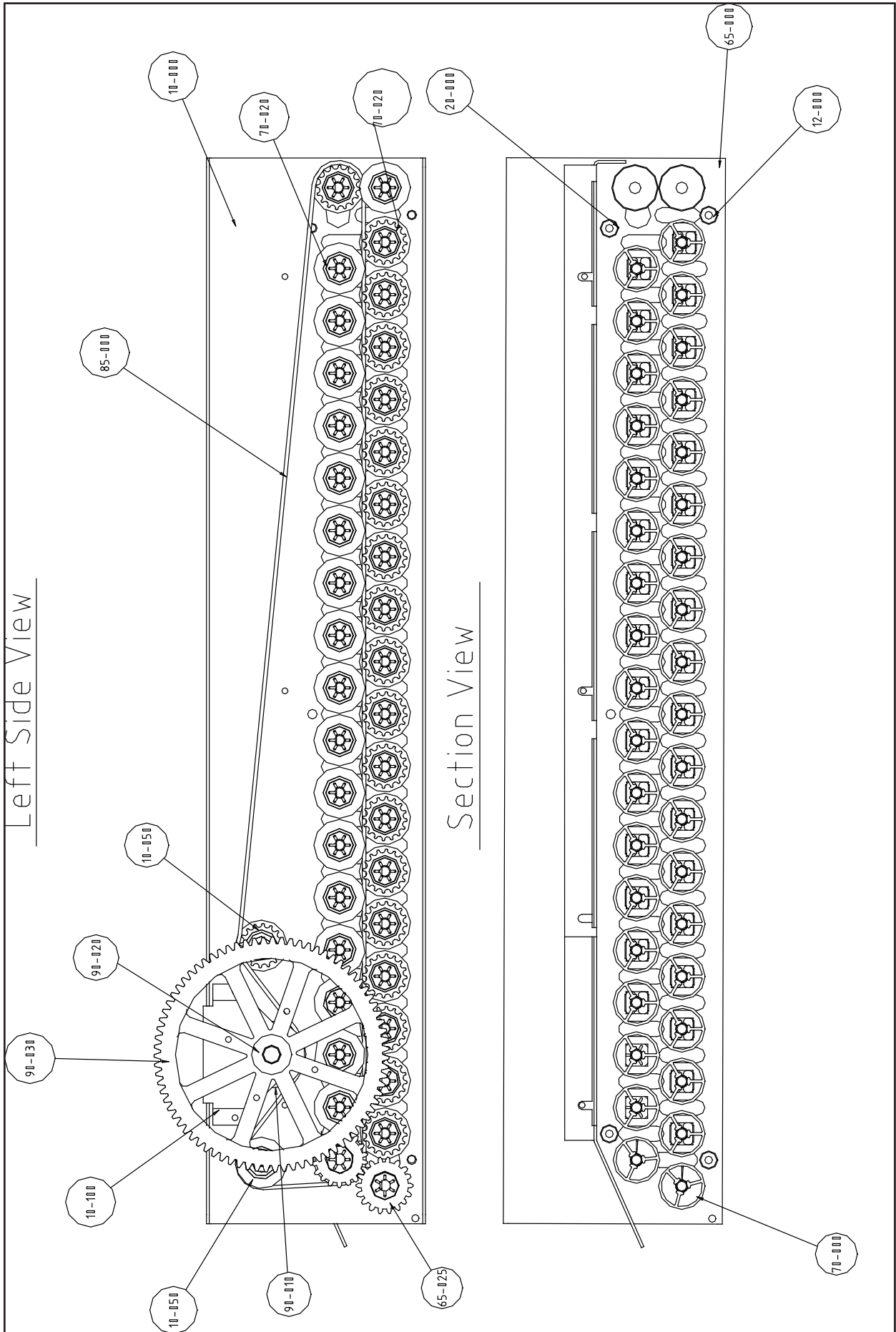
Rack Side l.w. Gears R43 1 7/8, Drawing 117815

SECTION EIGHT: On-Line Description Creo Models



SECTION 8

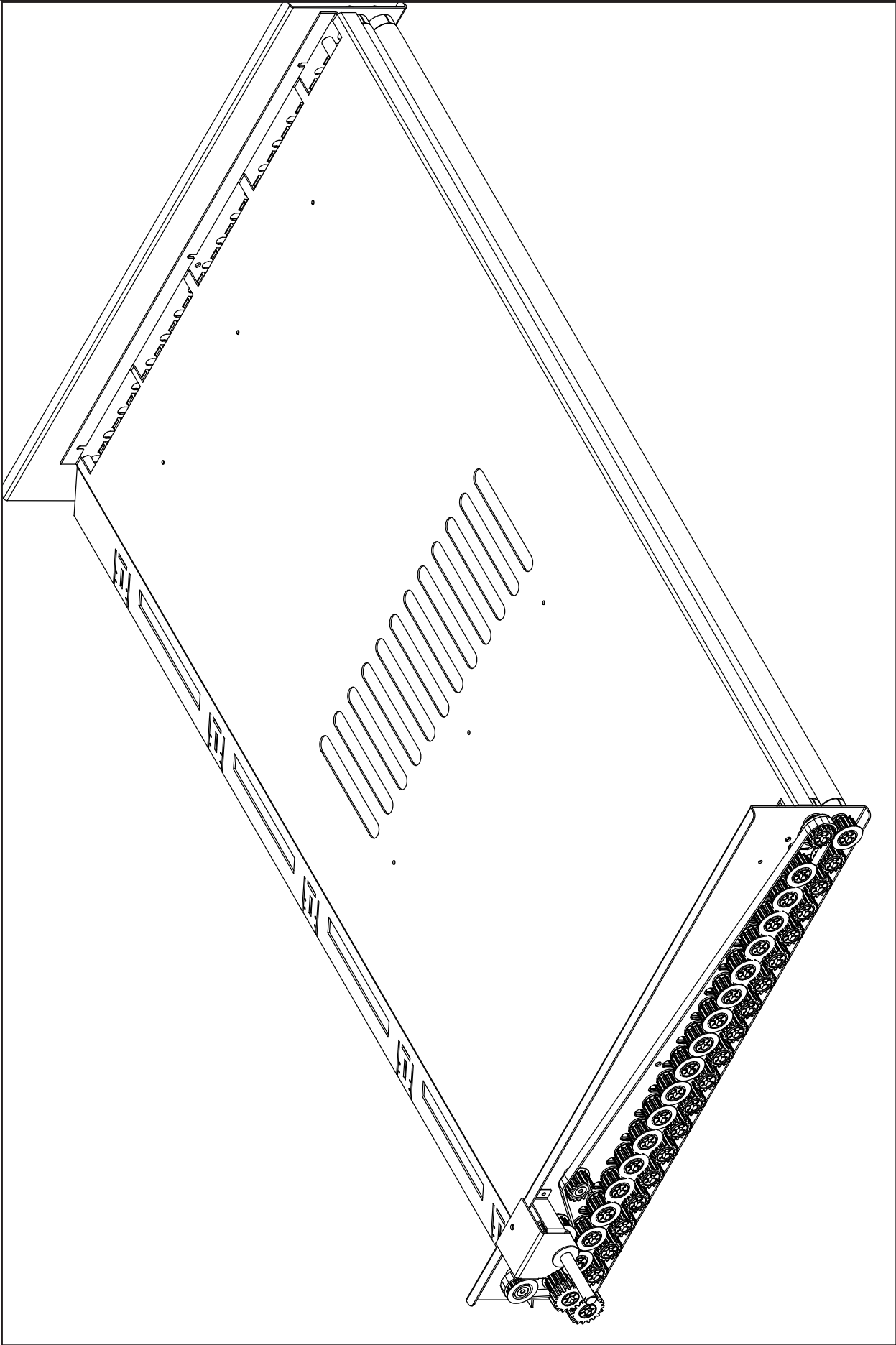
Rack Side r.w. Gears R43 1 7/8, Drawing 117825



SECTION 8

Dry Rack R60 HTD Drive EG 901, Drawing 320108a

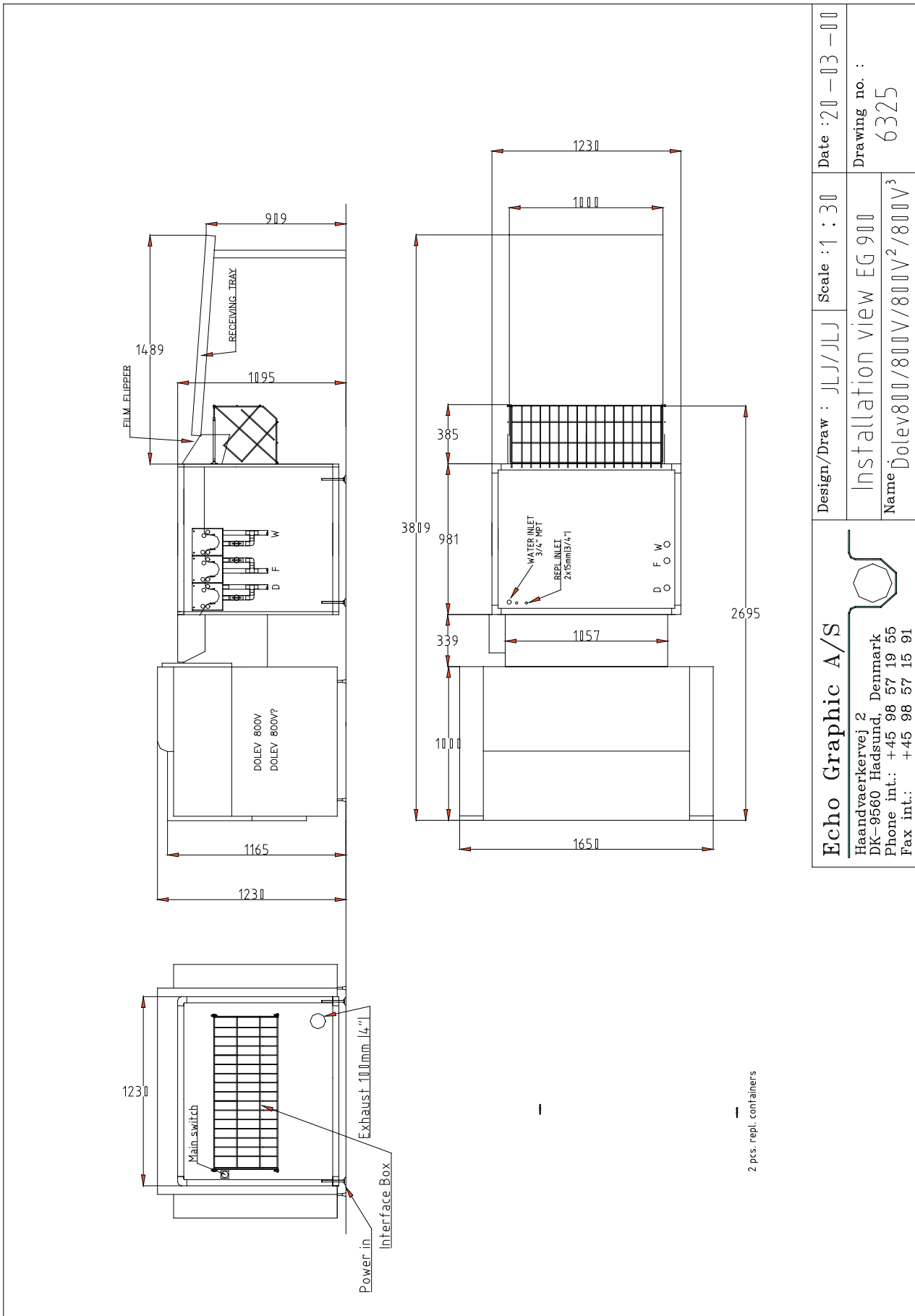
SECTION EIGHT: On-Line Description Creo Models



SECTION 8

Dry Rack R60 HTD Drive EG 901, Drawing 320108b

SECTION EIGHT: On-Line Description Creo Models



Design/Draw : JLJ/JLJ	Scale : 1 : 30	Date : 20 - 03 - 00
Installation view EG 900		Drawing no. : 6325
Name Dolev800V/800V²/800V³		

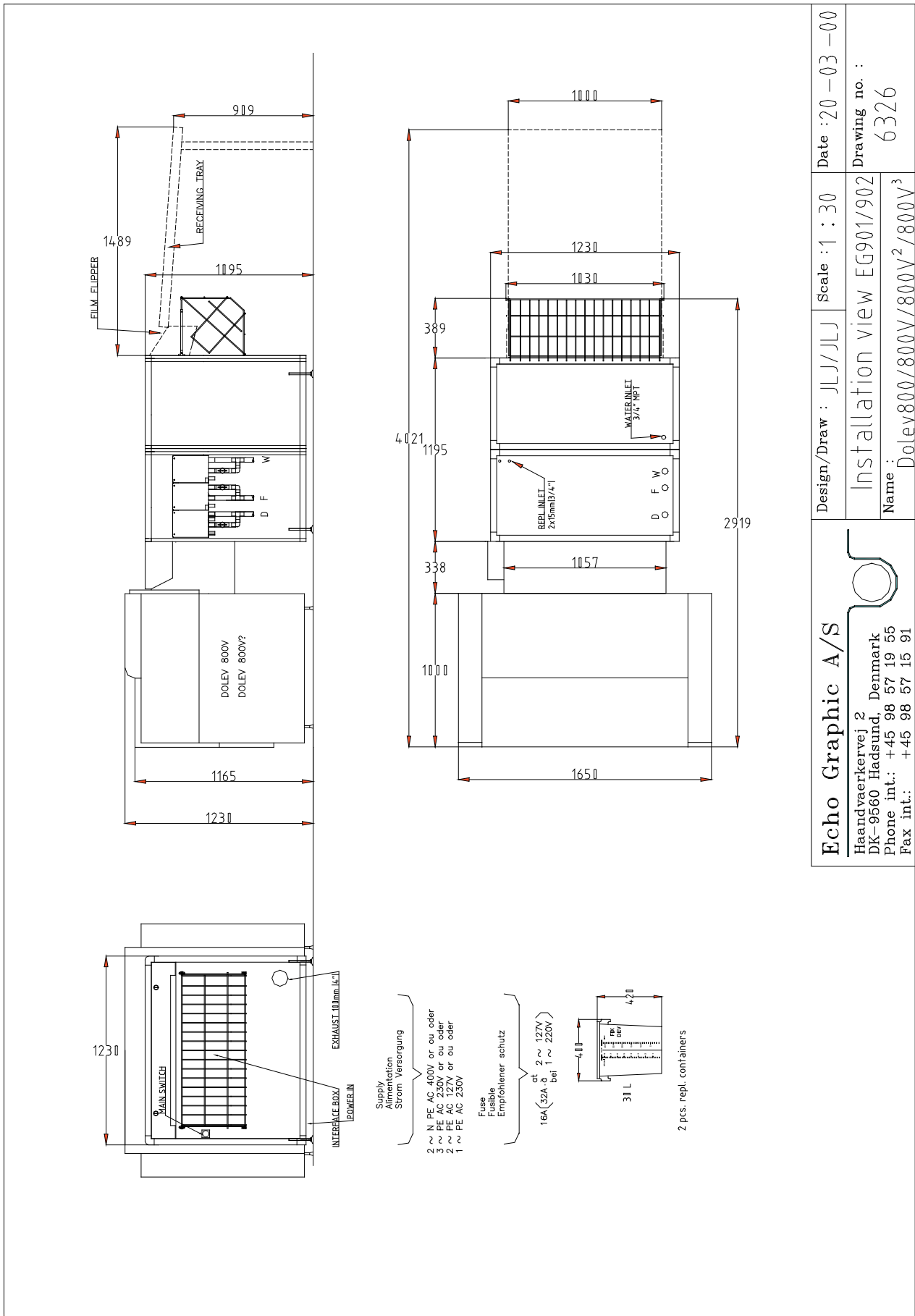
Echo Graphic A/S
 Haandvaerkevej 2
 DK-9560 Hadsund, Denmark
 Phone int.: +45 98 57 19 55
 Fax int.: +45 98 57 15 91

SECTION 8

Installationsview 6325

SECTION EIGHT: On-Line Description Creo Models

SECTION 8



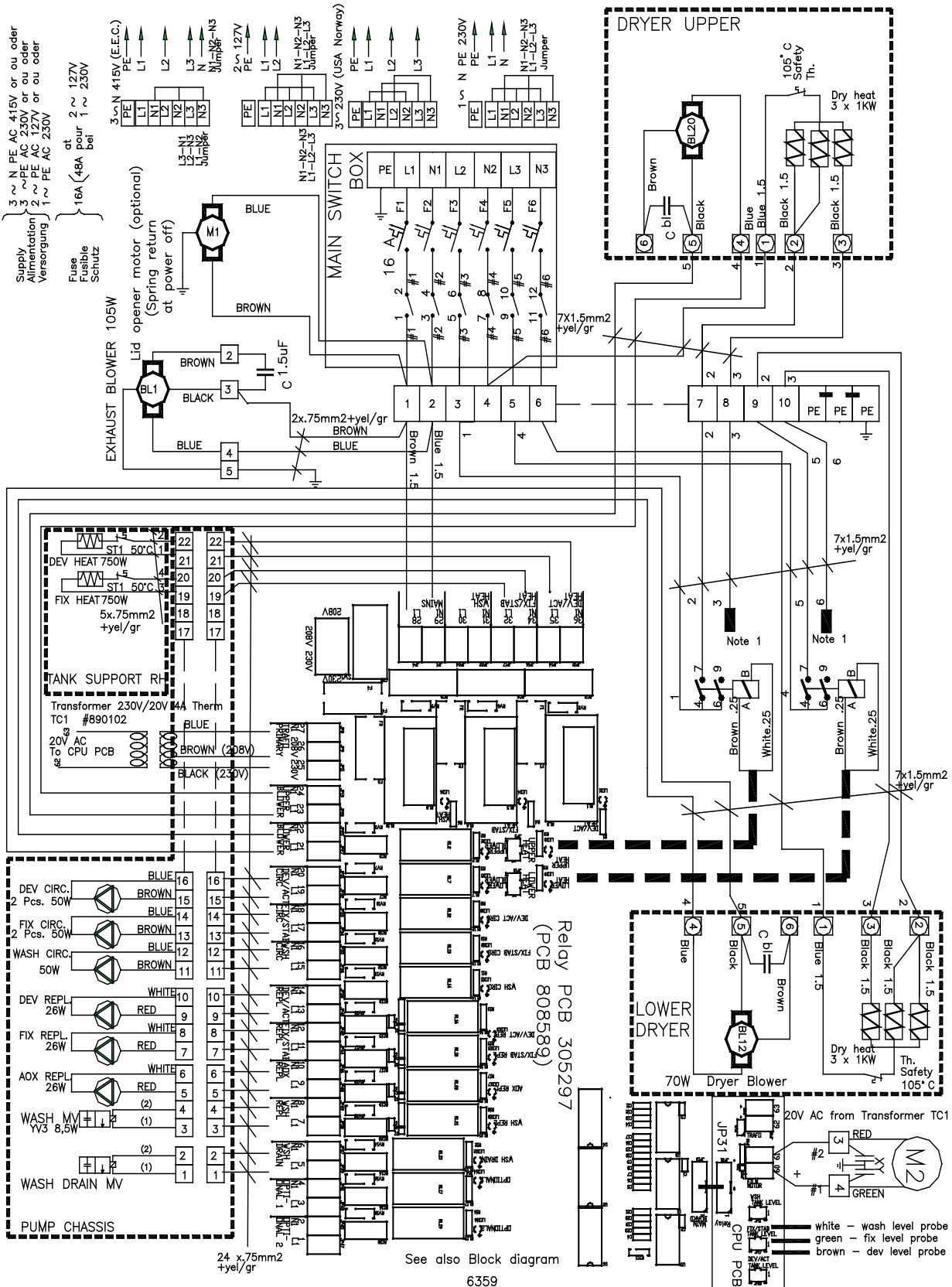
Echo Graphic A/S
 Haandvaerkervej 2
 DK-9560 Hadsund, Denmark
 Phone int.: +45 98 57 19 55
 Fax int.: +45 98 57 15 91

Design/Draw : JLJ/JLJ Scale : 1 : 30 Date : 20-03-00
 Installation view EG901/902 Drawing no. : 6326
 Name : Dolev800/800V/800V²/800V³

Installationsview 6326

SECTION EIGHT: On-Line Description Creo Models

Note 1
 Not connected on EG751/752 and EG901/902
 Connected to relay term 9 on EG1141



SECTION 8

Echo Graphic A/S
 Haandvaerkervej 2
 DK-9560 Hadsund, Denmark
 Phone int.: +45 98 57 19 55
 Fax int.: +45 98 57 15 91

Design/Draw : CV

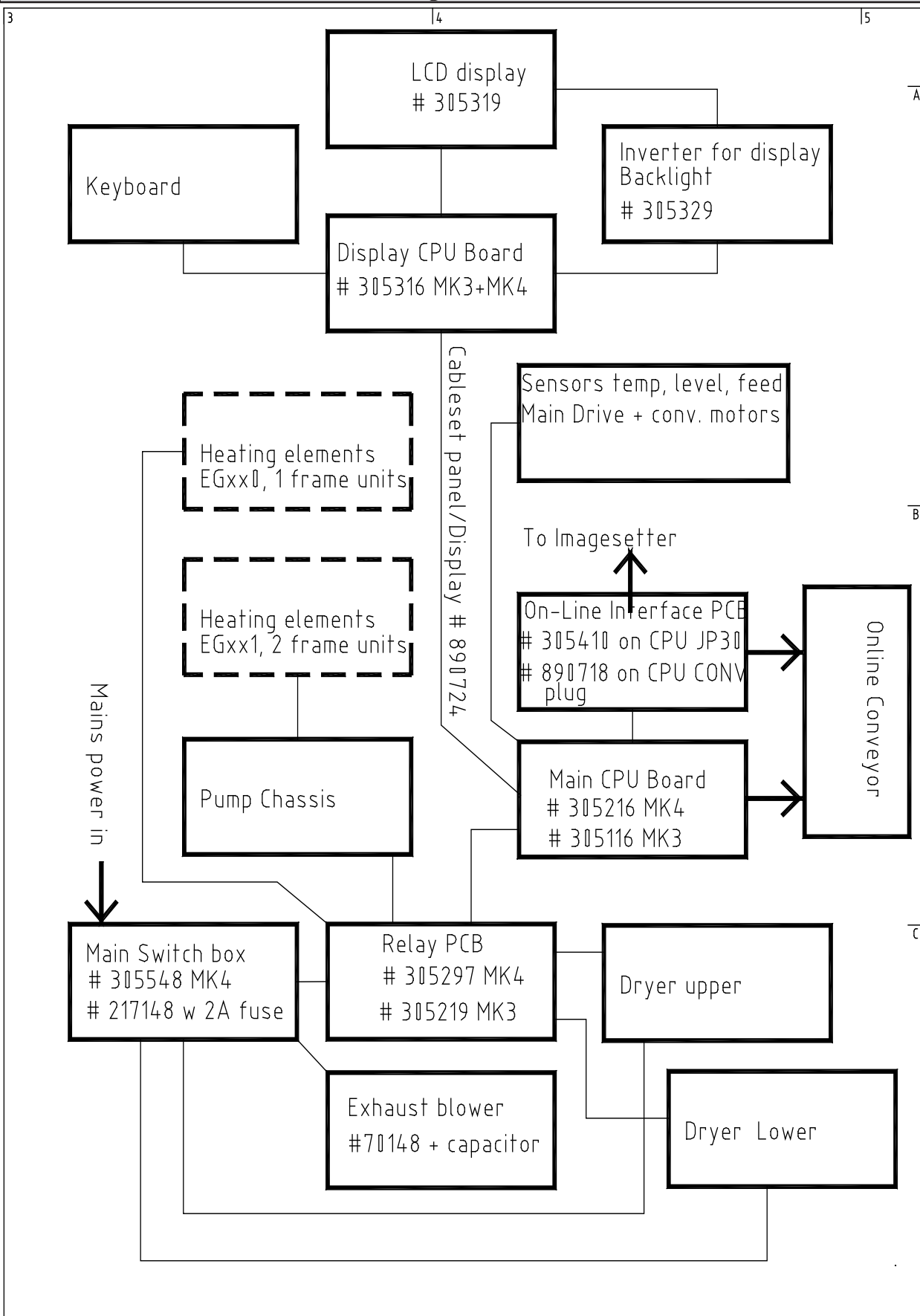
Scale : :

Date : 10-01-02

Name Interconn. diagram
 EG xx1 MK4

Drawing no. : 6361 A

SECTION EIGHT: On-Line Description Creo Models



SECTION 8

Echo Graphic A/S

Haandvaerkervej 2
 DK-9560 Hadsund, Denmark
 Phone int.: +45 98 57 19 55
 Fax int.: +45 98 57 15 91



Design/Draw : CV

Scale : :

Date : 10-01-02

Name

Block diagr.EG MK4

Drawing no. :

6359

-

SECTION EIGHT: On-Line Description Creo Models

Hope / Carnfeldt On-Line Processors for Creo Imagesetters:

	EG 900, film	EG 901, film	EG 902, film	EGP 901,combi
Dimensions of on-line system				
Length	270 cm / 106.3"	292 cm / 115"	292 cm / 115"	349 cm / 137.4"
Width	165 cm / 65"	165 cm / 65"	165 cm / 65"	165 cm / 65"
Height	120 cm / 47.2"	120 cm / 47.2"	120 cm / 47.2"	123 cm / 48.4"
Shipping dimensions				
Length	175 cm / 68.9"	175 cm / 68.9"	175 cm / 68.9"	228 cm / 89.8"
Width	142 cm / 55.9"	142 cm / 55.9"	142 cm / 55.9"	142 cm / 55.9"
Height	129 cm / 50.8"	129 cm / 50.8"	129 cm / 50.8"	129 cm / 50.8"
Weight				
Net	300 kg / 661 lb.	395 kg / 871 lb	395 kg / 871 lb	540 kg / 1190 lb.
Gross	420 kg / 926 lb.	520 kg / 1146 lb.	520 kg / 1146 lb.	680 kg / 1500 lb.
Specifications				
Inlet width	91 cm / 36"	91 cm / 36"	91 cm / 36"	91 cm / 36"
Tank capacity	29 l / 7.7 US gal.	29 l / 7.7 US gal.	50 l / 13.2 US gal	29/16 l 7/3.6 US gal
Rack length dev.	32 cm / 12.6"	44 cm / 17.3"	67 cm / 26.4"	44/20 cm 17.3/7,8"
Developing time min.-max.	20 – 80 sec.	15 – 90 sec.	15 – 90 sec.	15 – 90 sec.
Speed at 30 sec. dev. time	64 cm/min. 25.2"/min.	88 cm/min. 34.6"/min.	134 cm/min. 52.8"/min.	88 cm/min. 34.7"/min.
Speed at 20 sec. dev. time	-	-	-	60 cm/min. 23.6"/min.
Max. film length off-line	5 m / 16.4 ft	10 m / 32.8 ft	10 m / 32.8 ft.	-
Min. film size off-line	18 x 10 cm 7 x 4"	18 x 10 cm 7 x 4"	18 x 10 cm 7 x 4"	-
Max. format (set by imagesetter)	86 x 121 cm 34 x 47"	86 x 121 cm 34 x 47"	86 x 121 cm 34 x 47"	86 x 121 cm 34 x 47"
Dev./fix./wash temperature range	20 - 45°C 68 - 113°F	20 - 45°C 68 - 113°F	20 - 45°C 68 - 113°F	20 - 45°C 68 - 113°F
Exhaust blower	Built in	Built in	Built in	Built in
Exhaust connection	Ø 10 cm	Ø 10 cm	Ø 10 cm	Ø 10 cm
Circulation rate dev., fix.	10 l/min. 2.7 US gal./min.	22 l/min. 2.7 US gal./min.	22 l/min. 2.7 US gal./min	22 / 10 l/min 2.7 /1.3 US gal.
Circulation rate wash	-	22 l/min. 2.7 US gal./min	22 l/min. 2.7 US gal./min	22 / 10 l/min 2.7 /1.3 US gal.
Water consumption (operate)	3.5 l/min. 0.9 US gal/min.	3.5 l/min. 0.9 US gal/min.	3.5 l/min. 0.9 US gal/min.	3.5 l/min. 0.9 US gal/min.
Emission of heat to room (operate)	2000 W	2400 W	2400 W	3000 W
Water connection	¾" pipe thread	¾" pipe thread	¾" pipe thread	¾" pipe thread
Drain connection	3x1" hose nipple	3x1" hose nipple	3x1" hose nipple	6x1" hose nipple
Replenishment containers	Dev./fix. 30 l	Dev./fix. 30 l	Dev./fix. 30 l	4 x 30 l.
Max. power consumption	5900 VA	5900 VA	5900 VA	9400 VA
Average power consumption:				
Operate	5000 W	5000 W	5000 W	6200 W
Power save	1000 W	1000 W	1000 W	3500 W
Night mode	600 W	600 W	600 W	1100 W
Power supply:				
1x230ACV+/-10% / 50/60Hz	30 amp	30 amp	30 amp	40 amp
3x230ACV+/-10% / 50/60Hz	-	3 x 16 amp	3 x 16 amp	3 x 16 amp