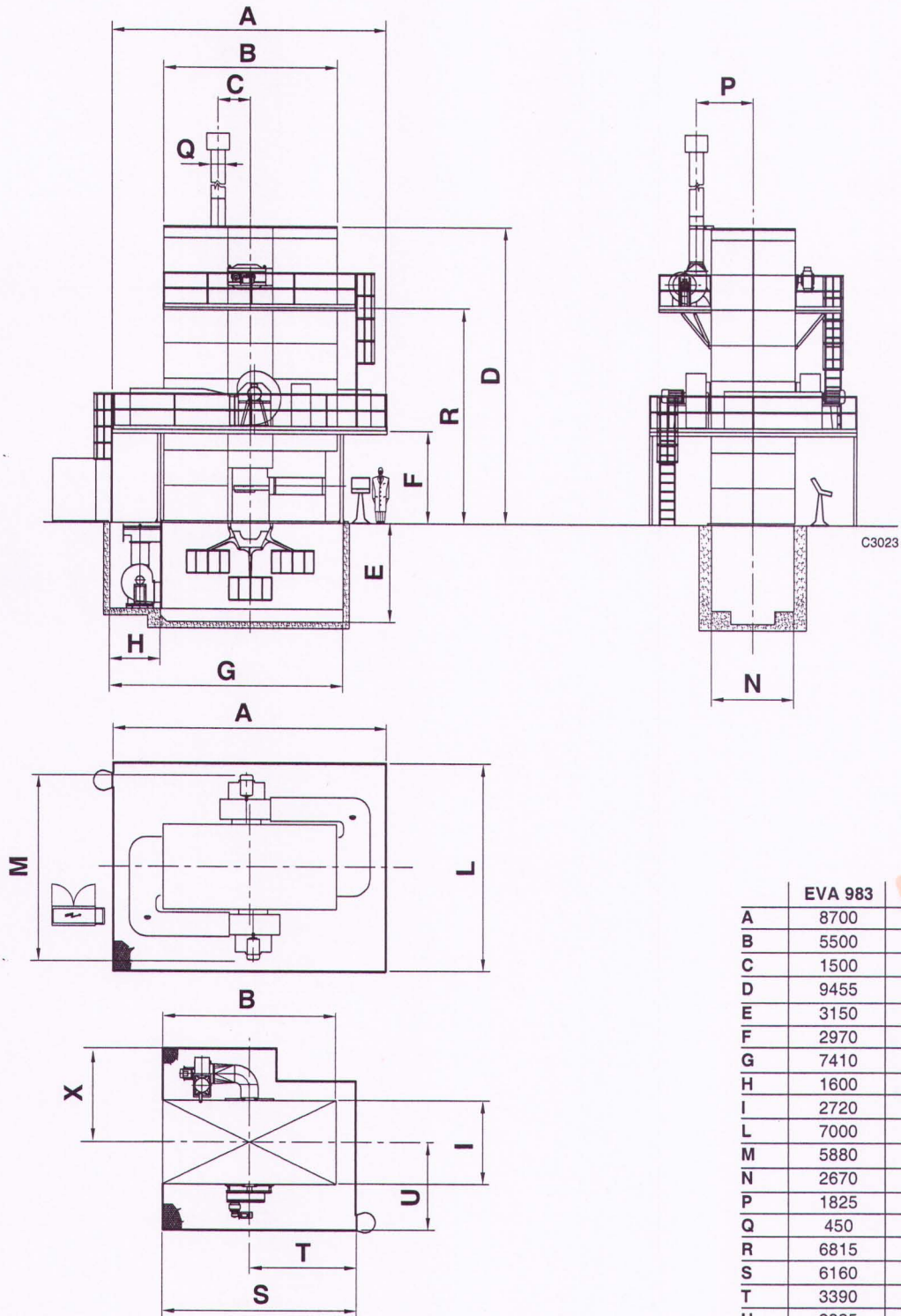


2 MAIN FEATURES

Figure 2.2/B - OVERALL DIMENSIONS EVA 983 - 984



2.3 SPECIFICATIONS

2.3.1 TECHNICAL DATA

PERFORMANCE			EVA712	EVA912	EVA792	EVA992	EVA793	EVA993	EVA783	EVA983	EVA784	EVA984
<i>Carrier</i>	Working width	mm	1470		1620		1620		2110		2300	
	Working depth	mm	1200		1200		1350		1350		1350	
	Number of carriers		20	26	20	26	21	27	21	27	21	27
	Number shelves/carrier		13		13		13		12		11	
	Total number of shelves		260	338	260	338	273	351	252	324	231	297
	Roller pitch, Horizontal plane		53,57		53,57		53,57		57,8		62,5	
	Roller pitch, Vertical plane	mm	75		75		75		75		75	
	Roller diameter	mm	20		20		20		28		32	
<i>Tile loading</i>	Max. weight per shelf ⁽¹⁾	kg	35-45		35-45		50		65		70	
	Max. thickness	mm	17		17		17		15		15	
	Max. loading height	mm	1200		1200		1200		1200		1200	
	Min. loading height	mm	1110		1110		1110		1110		1110	
	Max. moisture content, Ingoing tiles %		7,5		7,5		7,5		7,5		7,5	
	Max. moisture content, Outgoing tiles %		1		1		1		1		1	
	Max. outlet temperature	°C	130		130		130		130		130	
	Min. outlet temperature	°C	65		65		65		65		65	
	Max. tile length	mm	980		980		1100		1100		1100	
	<i>Noise level</i>	Operator zone (Leq) ⁽²⁾	dB(A)	82		82		82		82		82

¹⁾ The first value refers to the max. load weight the carrier shelf can sustain with STANDARD arms, the second value refers to REINFORCED arms.

²⁾ With recirculation fans and burner that are not sound-proof.

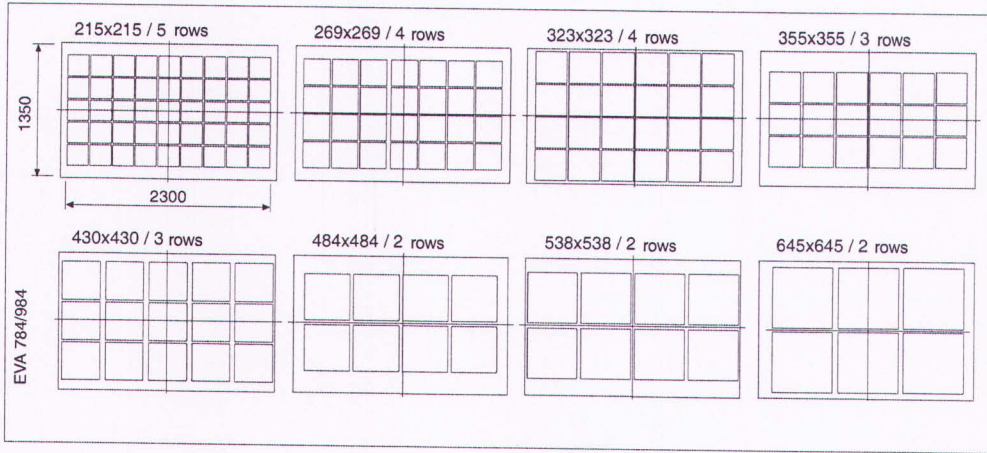
HEAT SYSTEM

<i>Burners</i>	Max. thermal output	kW	2x465	2x581	2x581	2x871	2x1017
	Min. thermal output	kW	2x46,5	2x58,1	2x58,1	2x87,1	2x101,7
	Max. drying temperature	°C	250	250	250	250	250
	Max. time for continuous operation h		24	24	24	24	24
<i>Fuel</i>	Type		Methane L.P.G.	Methane L.P.G.	Methane L.P.G.	Methane L.P.G.	Methane L.P.G.
	Max. supply pressure	bar	4	4	4	4	4
	Min. supply pressure	bar	0,5	1	1	0,5	0,5
	Max. consumption, Methane	Nm ³ /h	98	122	122	182	212
	Max. consumption, L.P.G.	Nm ³ /h	36	45	45	68	80

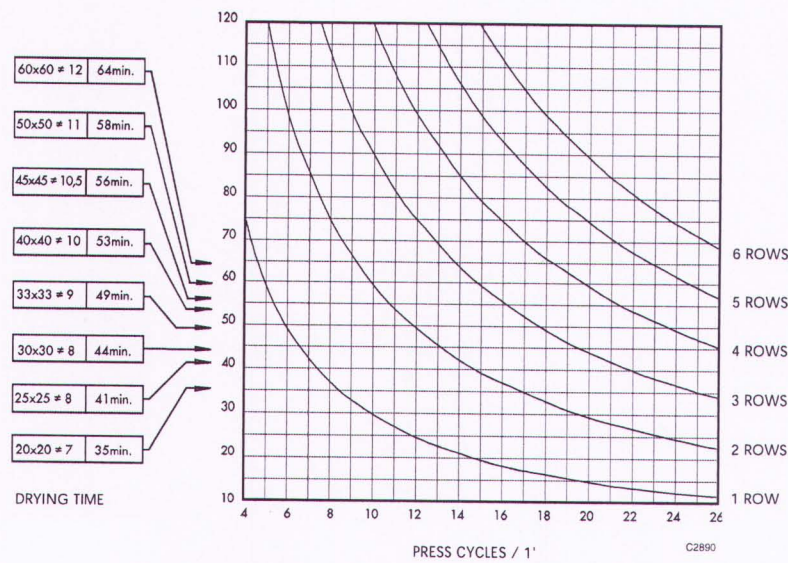
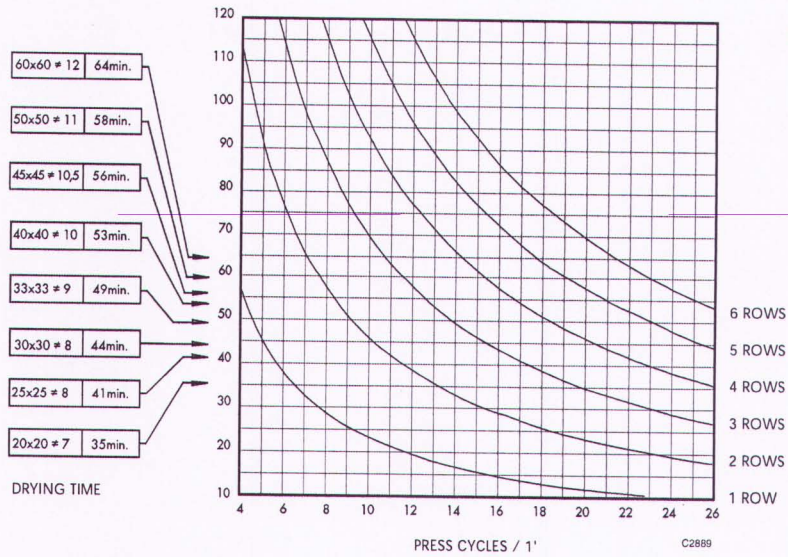
PNEUMATIC SYSTEM

<i>Compressed air</i>	Max. supply pressure	bar	6	6	6	6	6
	Min. supply pressure	bar	5	5	5	5	5
	Max. consumption	NI/h	5	5	5	5	5

Figure 2.3.3/E - CARRIER LOAD PATTERNS EVA 784 / EVA 984



C2888



4 INSTALLATION

4.1.3 PLACING THE BASE FRAME ON THE FOUNDATION

When placing the base frame in position take into consideration the centerline of the Press-Dryer I indicated in the division lay-out. Remember that the transversal axis of the dryer is at **D** on the Press side of the base frame (it corresponds to the axis of the chain tensioner). The longitudinal axis corresponds to the center-line of the frame (i.e. halfway between the right-hand and left-hand cradle).

Level the frame by turning the adjustment screws (1) (the ring nuts 2 do not need to be tightened now). Fully tighten the four centering screws (3) in the holes shown in the figure.



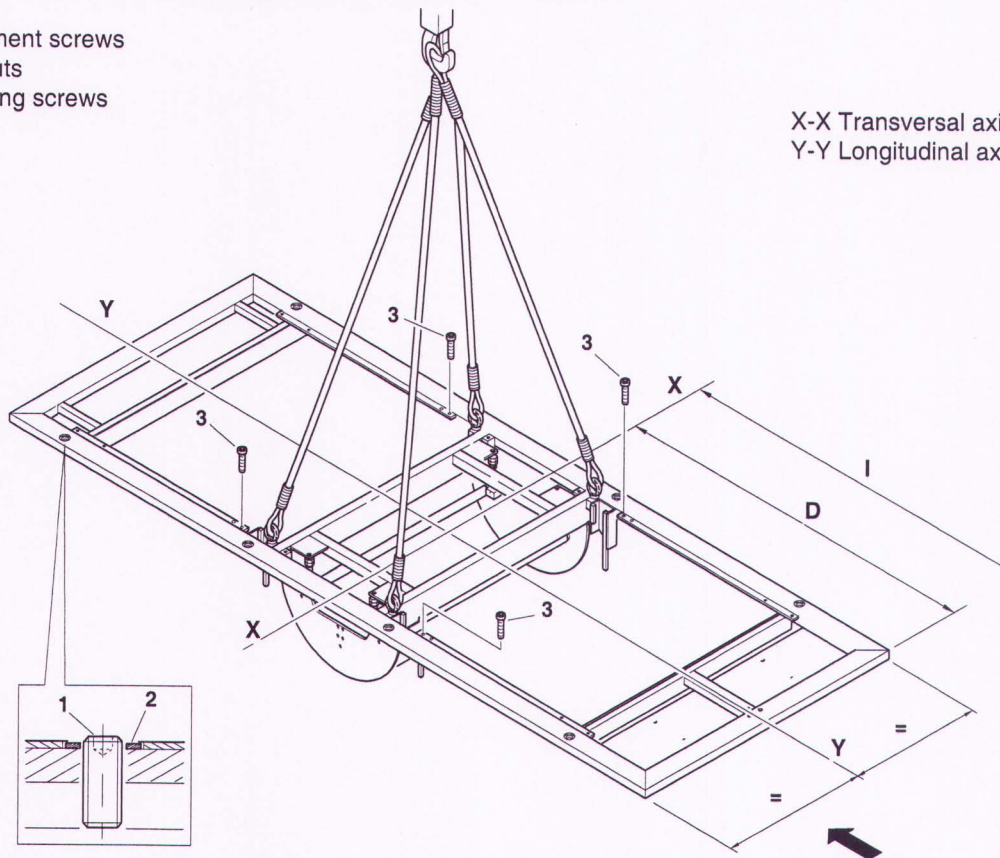
WARNING!

E0004

Take all the required safety precautions to prevent personnel from falling inside the foundation pit.

Figure 4.1.3 - PLACING THE BASE FRAME ON THE FOUNDATION

- 1 - Adjustment screws
- 2 - Ring nuts
- 3 - Centering screws



C0893


BASE FRAME	WEIGHT(kg)	D (mm)	I (mm)
EVA 712-912	880	2860	See DIVISION LAY-OUT
EVA 792-992	910	2860	See DIVISION LAY-OUT
EVA 793-993	1000	3160	See DIVISION LAY-OUT
EVA 783-983	1250	3160	See DIVISION LAY-OUT
EVA 784-984	1290	3160	See DIVISION LAY-OUT

4 INSTALLATION

4.1.7 INSTALLING THE FRAMES

The frames are provided with four holes on the top for hoisting. The upper frame comes with eye bolts.


- 1 - Before placing the frames on top of one another make sure the inside plates do not protrude from the structure to avoid damaging the next frame installed. Apply liquid silicone (5), as shown at **E**, to seal the entire perimeter. Allow it to harden as directed on the package.
- 2 - Put the four centering screws (2) in the top part of each frame (except for the one for the drive unit).



WARNING!
E0004P

Always use all the holes or eyebolts provided.

- 3 - Place the frames on top of one another fixing them with the screws. Make sure the guides and the holes in the two frames are aligned before installing the next frame.




WARNING!
E0004P

The carrier guide inside the frames must be on the right-hand side of the machine.

- 4 - Join the carrier guides of the various frames together with the screws.
- 5 - Make sure there are no "little steps" between:
 - the chain guides
 - the carrier guides of the various frames

COVER FRAME	EVA	WEIGHT(kg)	Y (mm)	H (mm)	L (mm)
	EVA 793-993	715	2230	390	5500
EVA 783-983	860	2720	390	5500	
EVA 784-984	950	2910	390	5500	
UPPER FRAME	DRIER	WEIGHT(kg)	Y (mm)	H (mm)	L (mm)
	EVA 712-912	3950	2070	2300	5000
	EVA 792-992	4000	2230	2300	5000
	EVA 793-993	4750	2230	2250	5500
	EVA 783-983	5500	2720	2250	5500
	EVA 784-984	5550	2910	2250	5500
3 RD FRAME	EVA 912	2130	2070	2250	5000
	EVA 992	2220	2230	2250	5000
	EVA 993	2300	2230	2250	5500
	EVA 983	2850	2720	2250	5500
	EVA 984	2960	2910	2250	5500
2 ND FRAME	EVA 712-912	2320	2070	2250	5000
	EVA 792-992	2460	2230	2250	5000
	EVA 793-993	2500	2230	2250	5500
	EVA 783-983	3120	2720	2250	5500
	EVA 784-984	3250	2910	2250	5500
1 ST FRAME	EVA 712-912	2700	2070	2250	4650
	EVA 792-992	2800	2230	2250	4650
	EVA 793-993	3000	2230	2250	5200
	EVA 783-983	3600	2720	2250	5200
	EVA 784-984	3750	2910	2250	5200



WARNING!
E0004P

When fixing and checking the frames always use adequate means that meet and exceed all current safety regulations to access the required areas when working above shoulder height. The maintenance staff must always use adequate safety gear to prevent accidental falls. In addition, take all the necessary precautions to prevent material from falling.

4 INSTALLATION

4.4 INSTALLING THE CARRIER ARMS

Place the following parts on the protruding pins of the chain (1):

- the spacer (2)
- the external articulated arm (3) (without the rubber seal)
- the washer (4)
- the internal articulated arm (5) (right-hand side with shorter rubber seal) and (6) (left-hand side with longer rubber seal).

Place the closing washer (7) on the top of the pin and fully tighten the screws (8). Make sure the screws are perfectly tight and that the washer is secured in place.

Check axial play between the pin and arm with seal; add or remove shims (4) until min 0.3 max 1.2 mm play is present at each pin.

Tie the left-hand and right-hand arms with an iron wire (9). Place the spacers (10) in the bushes.



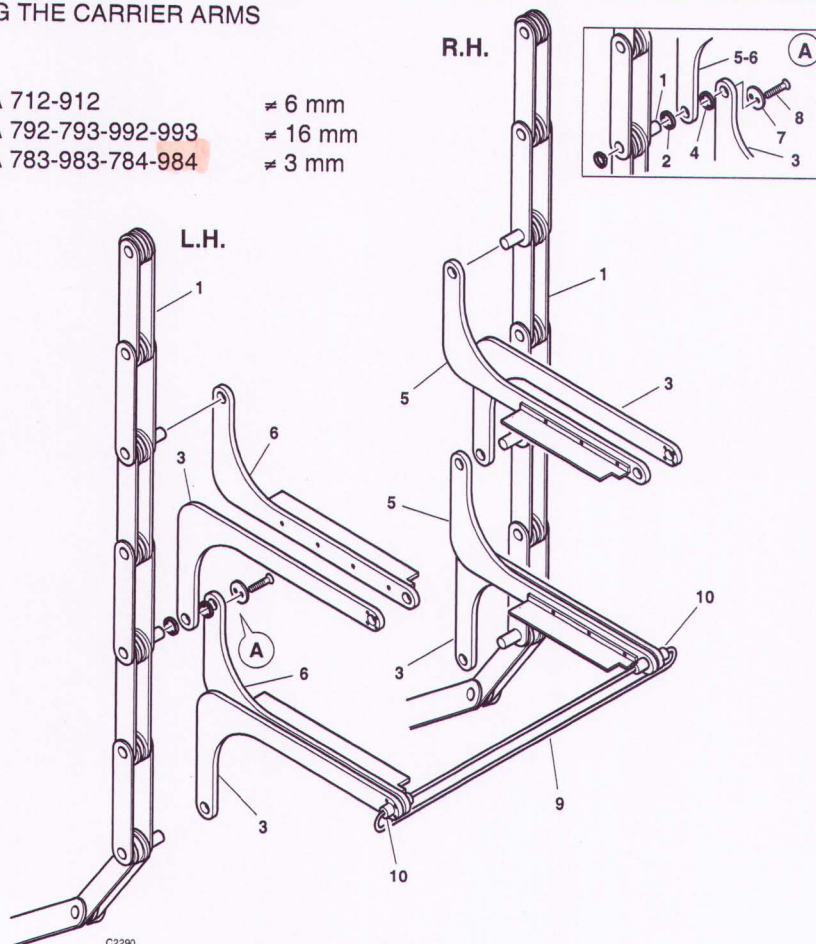
WARNING!

Tie the right and left arms so that the ends run towards the inside of the dryer. It is important to make sure the arms do not obstruct the EVA while the chain is running.

Repeat the steps described above moving the chain until all the carrier arms have been installed.

Figure 4.4 - INSTALLING THE CARRIER ARMS

- | | | | |
|----|--------------------|---------------------|---------|
| 1 | - Chain | | |
| 2 | - Spacer | EVA 712-912 | ≠ 6 mm |
| | | EVA 792-793-992-993 | ≠ 16 mm |
| | | EVA 783-983-784-984 | ≠ 3 mm |
| 3 | - Arm | | |
| 4 | - Washer | | ≠ 1 mm |
| 5 | - Arm | | |
| 6 | - Arm | | |
| 7 | - Washer | | |
| 8 | - Screw | | |
| 9 | - Iron wire | | |
| 10 | - Spacer | | |
| DX | - Right-hand chain | | |
| SX | - Left-hand chain | | |



4 INSTALLATION

PLACING THE CARRIERS

- Lift the carrier using the pins (10).
- Place the carrier (9) on the mobile part (11) of the carriage keeping the guide pins (12) on the right-hand side of the EVA.



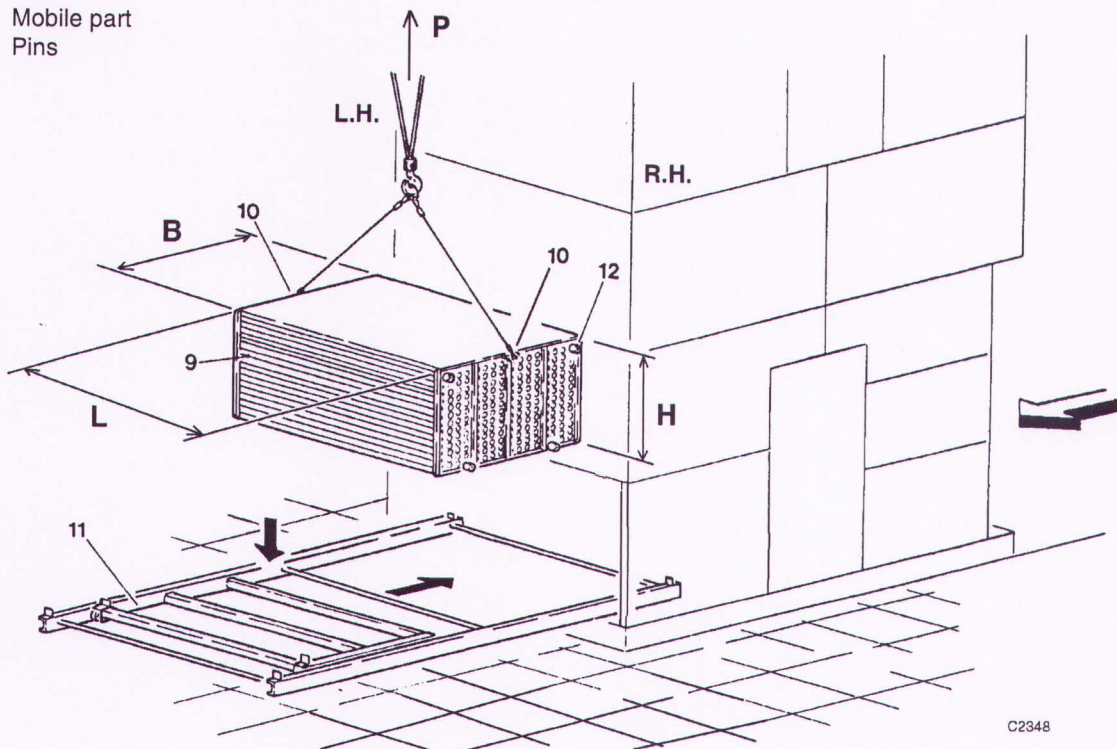
WARNING!

E0004

Make sure all the rollers of the carriers are correctly placed inside the carriers themselves and that the guide pins are tight.

Figure 4.12/C

- 9 - Carrier
- 10- Pins
- 11- Mobile part
- 12- Pins



C2348

CARRIER	NET (kg) WEIGHT	B (mm)	H (mm)	L (mm)
EVA 712/912	285	1220	748	1544
EVA 792/992	310	1220	748	1694
EVA 793/993	345	1370	748	1694
EVA 783/983	516	1370	748	2134
EVA 784/984	584	1370	748	2324

4 INSTALLATION

4.16 CHECKING THE CARRIER GUIDES

The carrier guides are constructed and positioned by the manufacturer using suitable fixtures. However, proper operation needs to be checked after the carriers have been installed.

- Follow the directions provided in figures 4.16/A, 4.16/B, 4.16/C and 4.16/D in the order given. These figures are shown on the following pages. Refer to the carrier highlighted and the details provided.

Checks **A**, **B** and **C** which have to be carried out on the press side (**PH**) also need to be made on the glazing machine (**SR**) side in the order **C**, **B**, **A** following the carrier path.

- Make an initial check using one carrier and then check with all the other ones.
The carriers must not run the risk of jamming or the pins coming out of the guides.
- Make sure all the nuts and bolts used to secure the guides are tight.
- Make sure all the guide pins of the carriers have been tightened to the correct torque.

guide pins	EVA 783 - 784 - 983 - 984	= 270 Nm
guide pins	EVA 712 - 912 - 792 - 992 - 793 - 993	= 130 Nm
fixing screws		= 10 Nm

- Lubricate the carrier guide pins with a synthetic fluid lubricant. Use one of the lubricants indicated in the chart given in chapter 8 - MAINTENANCE.

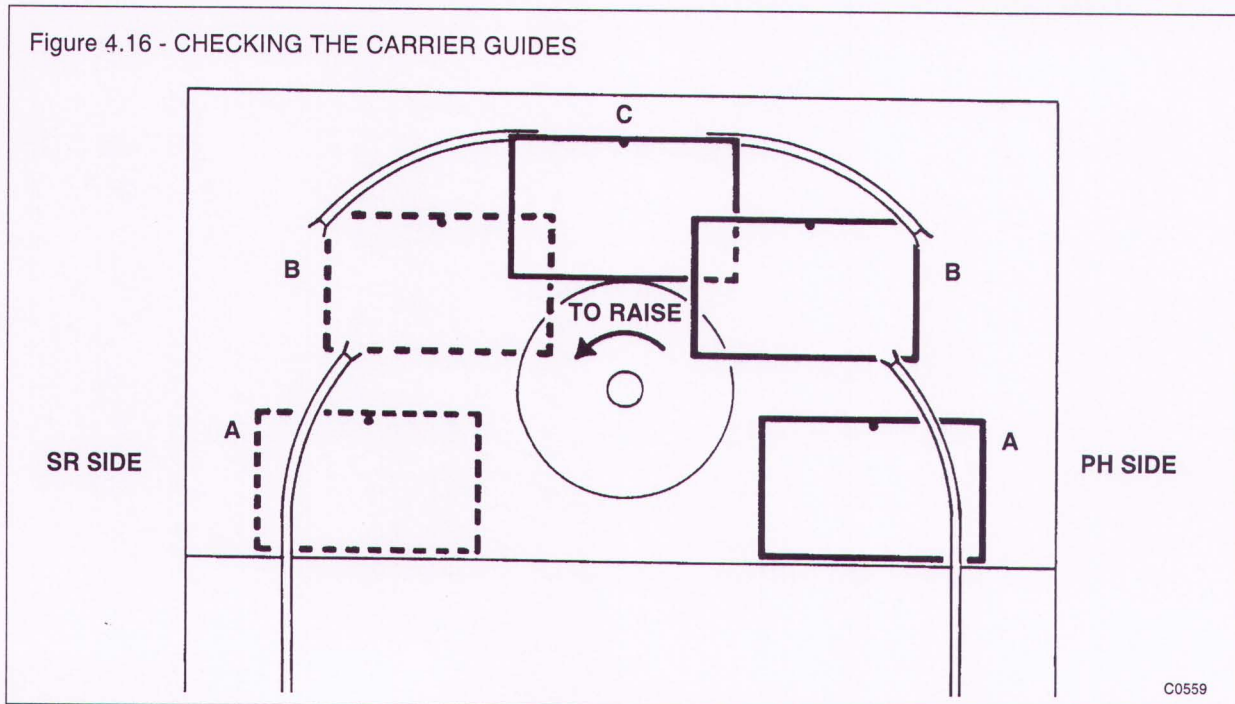


WARNING!

E0004

DO NOT CUT, MODIFY OR TAMPER WITH THE GUIDES UNDER ANY CIRCUMSTANCES.

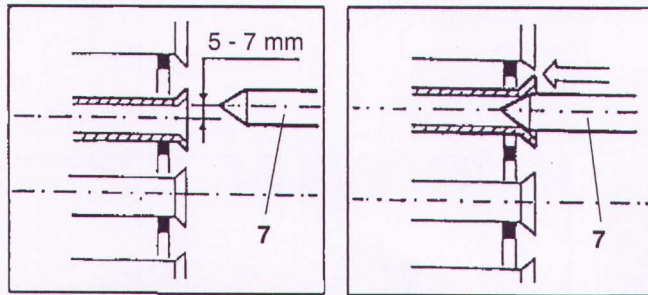
Figure 4.16 - CHECKING THE CARRIER GUIDES



C0559

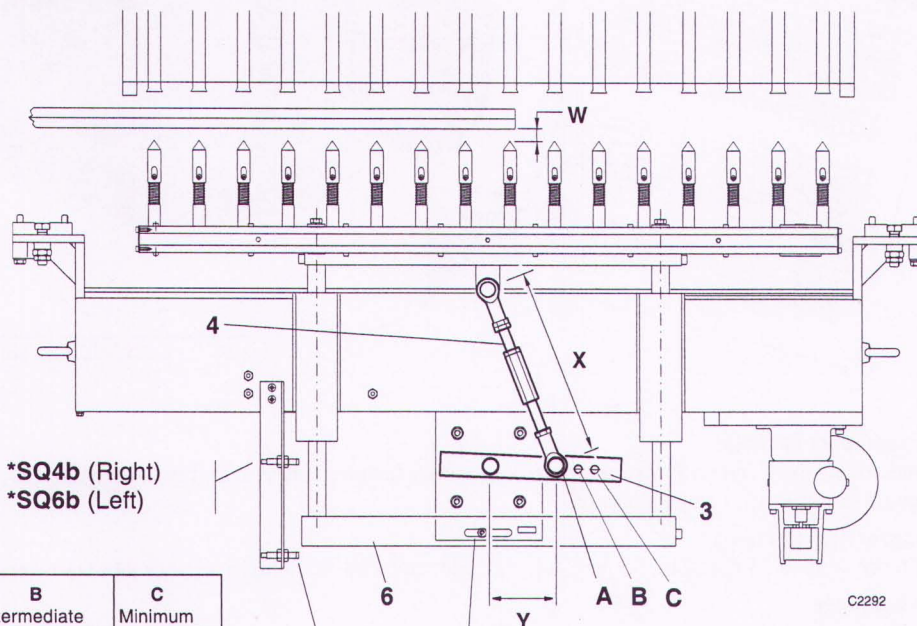
4 INSTALLATION

Figure 4.19.1/D - ADJUSTMENTS



C1277

Figure 4.19.1/E - BACK POSITION



C2292

	W (mm)
EVA 712/912	23
EVA 792/992	23
EVA 793/993	23
EVA 783/983	23

*SQ4b (Right)
*SQ6b (Left)

Tip insertion time	A		B		C	
	X	Y	X	Y	X	Y
EVA712/912	300	125	270	155	240	185
EVA792/992						
EVA793/993						
EVA784/984	311,5	125	281,5	155	251,5	185
EVA783/983	311,5	125	281,5	155	251,5	185

SQ1 (Right)
SQ3 (Right)
SQ2 (Left)
SQ5 (Left)


SQ4 (Right)
SQ6 (Left)

*OPTIONAL: only with inverter-controlled spindle insertion

- Work on the connecting rod (4) so that the tips placed in the rollers compress the springs (5) approximately 3 mm in relation to the initial value (see figure 4.19.1/C).
- Set limit sensors **SQ4** (right) and **SQ6** (left) so that they detect when the crank (3) is in its "forward" position.
- Turn the crank to bring the tip box "back". The distance **W** between the tips and the chain arm should be as indicated in the chart (see figure 4.19.1/E).
- Set limit sensors **SQ1-SQ3** (right) and **SQ2-SQ5** (left) so that they detect when the bracket (6) is in its "back" position.

8 MAINTENANCE

The required periodic maintenance operations are shown in the chart below. Performing these operations will help keep the dryer in top working condition so that any faults can be located before they damage the machine. The intervals at which the maintenance operations given in the chart are to be performed are shown on the display by means of the following message: SCHEDULED MAINTENANCE (—H) See the Instructions B Manual.



WARNING!
E0004P

Carefully read the safety precautions given in chapter 3 - SAFETY EQUIPMENT AND PRECAUTIONS before carrying out any type of maintenance operation.

8.1 LUBRICATION

8.1.1 LUBRICATION SCHEDULE

LUBRICATION POINT	OPERATION	FREQUENCY first operation every (hours):						Thereafter every
		50	100	200	400	800	1000	
1 CHAIN GEARED MOTOR (*) Worm gear EVA 712-792-793-912-992-993	Check for oil leaks		●					100
2 CHAIN GEARED MOTOR · Epicyclic gear train	Check oil level	●	●	●			●	1000
	Change oil		●				●	4000
CHAIN GEARED MOTOR Worm gear EVA 783-983-784-984	Check oil level	●	●	●			●	400
	Change oil		●				●	4000
3 GEARBOX PARALLEL AXES BEARINGS EVA 783-983-784-984 DRIVE SYSTEM	Check	●	●	●	●			400
	Add grease			●				2000
4 AUTOMATIC LUBRICATION SYSTEM	Check for oil leaks	●	●					100
5 CARRIER PINS	Lubricate	●	●	●				200
6 DRIVE SHAFT BEARINGS	Check	●	●	●	●			400
	Add grease		●					2000
7 SPINDLE DRIVE REDUCTION UNITS (*)	Check for oil leaks		●					100
8 SPINDLE GEARBOXES	Add grease				●	●	●	1000
	Change grease							4000
9 VARIABLE SPEED DRIVE MOTORS: NUE - AER - RML - RPR (**)	Check oil level	●	●	●			●	1000
	Change oil		●				●	1000
10 FAN BEARINGS	Check for leaks	●	●	●			●	1000
	Add grease							
11 COMPRESSED AIR LUBRICATOR	Check oil level	●		●	●			400
12 SPINDLE DRIVE REDUCTION GEAR UNIT (*)	Check for oil leaks	●	●					100
13 PROCESSING LINE REDUCTION UNIT (*) (**)	Check for oil leaks		●					100
14 BAFFLE GEARED MOTORS (*)	Check for oil leaks		●					100

C2886

(*) Worm-gear type (life long lubricated)

(**) Lubrication points outside drier