

# data sheet

**Colenta** - PCB Film Processor

**TYPE: 37 - 110 S/SP**



**Colenta**

To be used for all type of common used PCB Films for roll- and or sheetfeed format.

PCB "S" -Typ: 125 cm/min at 20 sec dev time

PCB "SP" -Typ: 175 cm/min at 20 sec dev timee



# Colenta 37 - 110 S/SP PCB

## Technical Specifications

All S/SP-model processors have 9 programmable processing channels, an intermediate rinse bath rack system, covered stand, daylight feed box, hose/tube connection (100 mm dia.) facility for ventilation of the processors wet-section to an external exhaust fan and supplied with 2 x 30 lt replenishment storage tanks

**With** level control in **DEV/FIX** processor tanks to automatically “top-up” chemistry when levels are low.

**With** additional filtration for **DEV/FIX** inc. square meter based software control

**With** level control in wash tanks: high/low level monitoring with alarm warning.

**With** automatic wash tank “fill” when processor is switched on.

|                    |   |
|--------------------|---|
| Film thickness:    | up to 0,3mm   |
| Material width:    | min. 7,5 cm max. <b>37/56/68/80/95/110</b> cm                               |
| Material length:   | min. 10 cm  |
| Time in Developer: | <b>S:</b> min. 20 sec - max. 92 sec<br><b>SP:</b> min. 19 sec - max 110 sec |
| Input speed.       | <b>S:</b> 20sec/DEV-Time 125cm/min<br><b>SP:</b> 20sec/DEV-Time 175cm/min   |

|  |             | <b>37SP</b> | <b>56SP</b> | <b>68SP</b> | <b>80SP</b> | <b>95SP</b> | <b>110SP</b> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Tank capacity -</b><br>(incl. Filter) | Developer:  | 12l         | 15l         | 18l         | 21l         | 23l         | 25l          |
|  | Fixer:      | 12l         | 15l         | 18l         | 21l         | 23l         | 25l          |
|  | Wash water: | 9,5l        | 12,5l       | 15l         | 17,5l       | 19l         | 21l          |

|  |             | <b>37S</b> | <b>56S</b> | <b>68S</b> | <b>80S</b> | <b>95S</b> | <b>110S</b> |
|--|-------------|------------|------------|------------|------------|------------|-------------|
| <b>Tank capacity -</b><br>(incl. Filter) | Developer:  | 8l         | 11l        | 15l        | 17l        | 19l        | 22l         |
|  | Fixer:      | 8l         | 11l        | 15l        | 17l        | 19l        | 22l         |
|  | Wash water: | 5,5l       | 8,5l       | 12l        | 13,5l      | 15l        | 17,5l       |

|                                |  |
|--------------------------------|--|
| Solution heating(Fix and DEV): | adjustable in a range of 18°C - 43°C<br>(separate inline 350/550W heaters)   |
| Dryer:                         | warm air<br>variable in a range of 18°C - 55°C   |
| Replenishment:                 | fully automatic.<br>replenishment is microprocessor controlled and calculated from information received from sensors measuring the width and length of material entering the processor. Replenishment cycles are adjustable. |

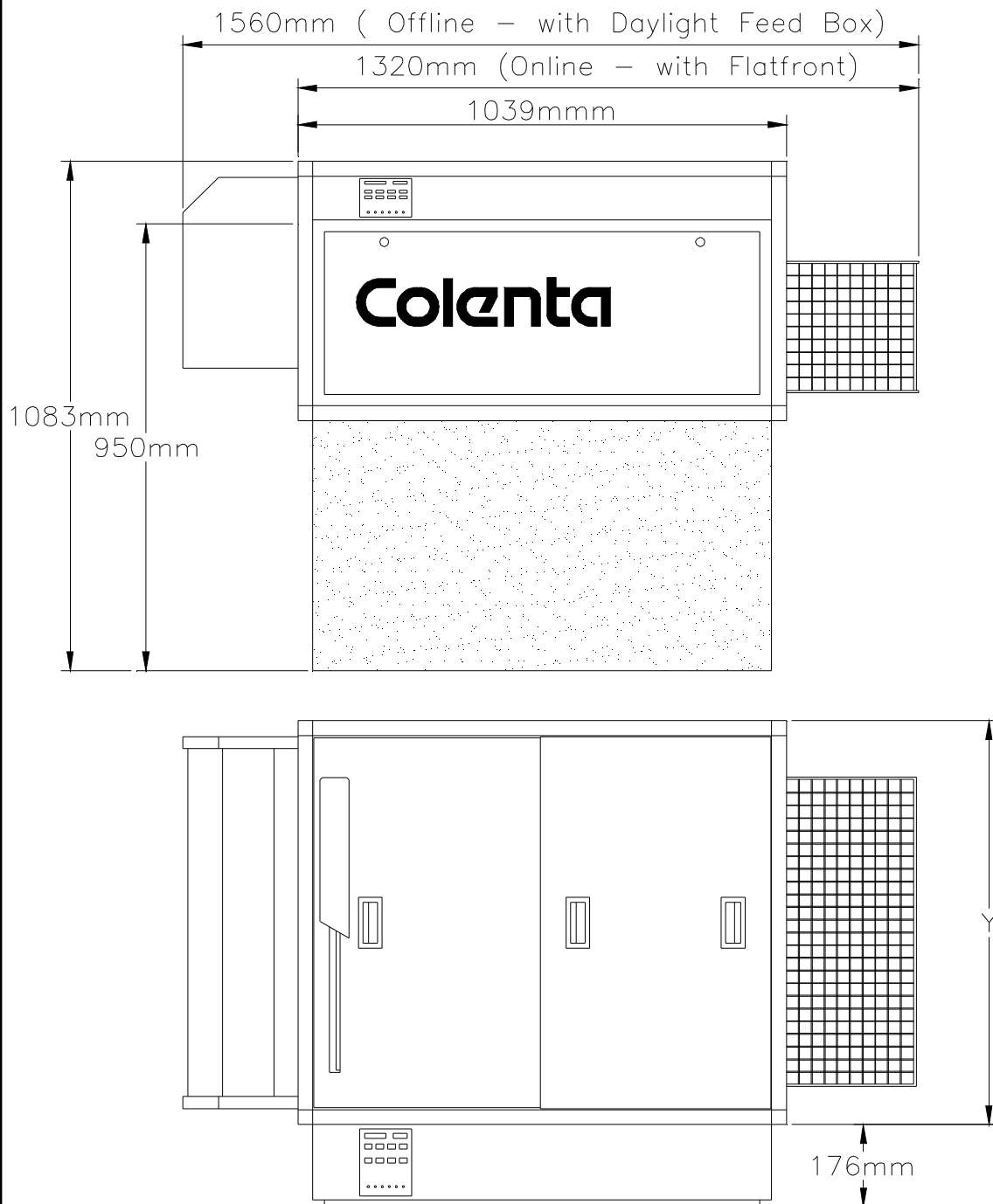
|                             |  |
|-----------------------------|--|
| Wash water distribution:    | built in 3-way magnetic valve  |
| Wash water flow rate:       | 2,5 ltr/min when film is processed                                   |
| Wash water supply pressure: | 3 - 10 bar   |
| Wash water supply:          | filtered at a temperature of 8°C - 15°C<br>with 3/4" hose connection |
| Wash water drain:           | 32mm (5/4inch) hose or tube  |

| <u>Weight:</u> |               | <b>37SP</b> | <b>56SP</b> | <b>68SP</b> | <b>80SP</b> | <b>95SP</b> | <b>110SP</b> |
|----------------|---------------|-------------|-------------|-------------|-------------|-------------|--------------|
|                | Empty         | 185 kg      | 230 kg      | 250 kg      | 280 kg      | 320 kg      | 355 kg       |
|                | With solution | 230 kg      | 269 kg      | 297 kg      | 324 kg      | 381 kg      | 422 kg       |
|                |               | <b>37S</b>  | <b>56S</b>  | <b>68S</b>  | <b>80S</b>  | <b>95S</b>  | <b>110S</b>  |
|                | Empty         | 170 kg      | 200 kg      | 220 kg      | 250 kg      | 290 kg      | 325 kg       |
|                | With solution | 188 kg      | 227 kg      | 258 kg      | 284 kg      | 339 kg      | 383 kg       |

**Technical specification subject to change without notice.**

# DIMENSIONS:

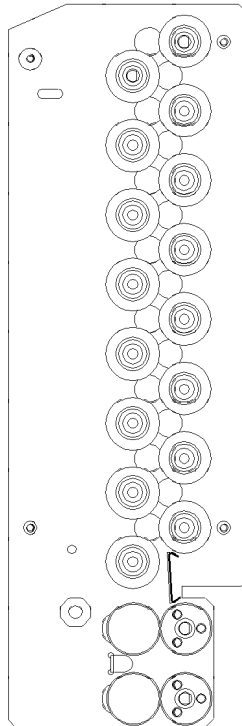
## S-Version



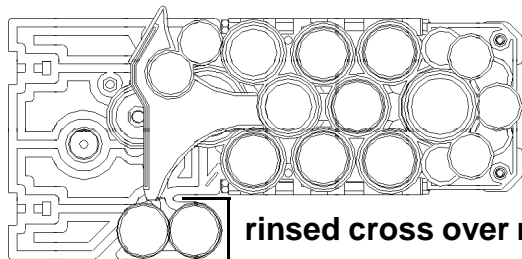
|                |         |
|----------------|---------|
| Y for IL 37 S  | 650 mm  |
| Y for IL 56 S  | 860 mm  |
| Y for IL 68 S  | 960 mm  |
| Y for IL 80 S  | 1100 mm |
| Y for IL 95 S  | 1250 mm |
| Y for IL 110 S | 1398 mm |

# Racksystem: 37 - 110 S

DRYER

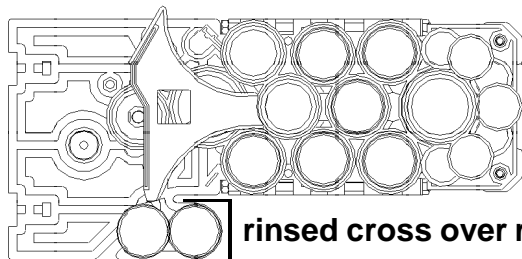


WASH



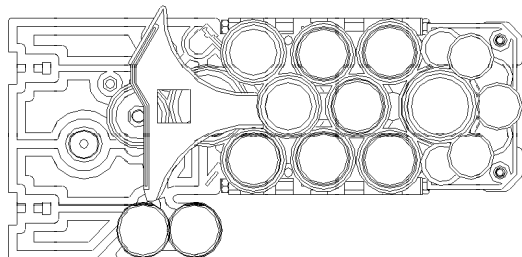
rinsed cross over roller

FIX



rinsed cross over roller

DEV



# Details for shipment:

## **IL 37 S**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 111cm x 140cm (L x W x H)

2,64 m<sup>3</sup>

220 kg

## **IL 56 S**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 111cm x 140cm (L x W x H)

2,64 m<sup>3</sup>

240 kg

## **IL 68 S**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

180cm x 123cm x 143cm (L x W x H)

3,16 m<sup>3</sup>

295 kg

## **IL 80 S**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 152cm x 140cm (L x W x H)

3,62 m<sup>3</sup>

340 kg

## **IL 95 S**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 152cm x 140cm (L x W x H)

3,62 m<sup>3</sup>

355 kg

## **IL 110 S**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

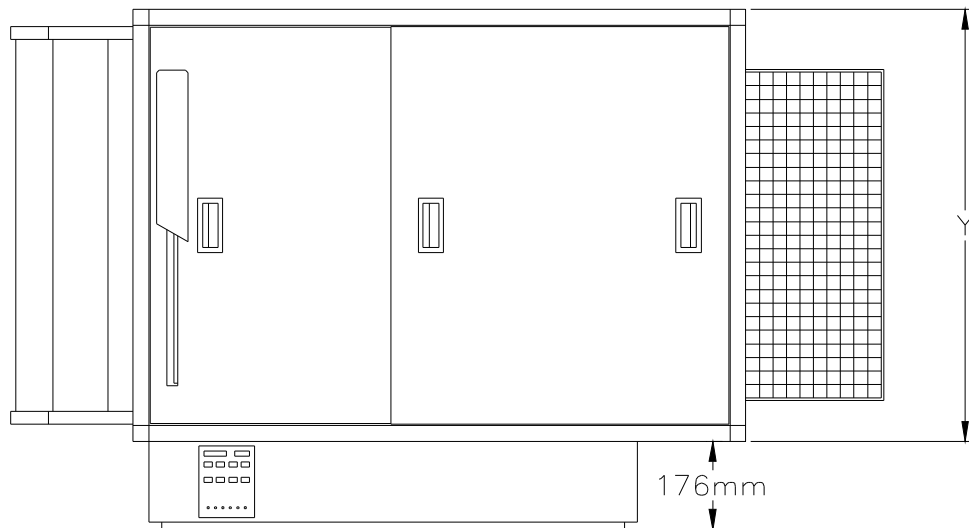
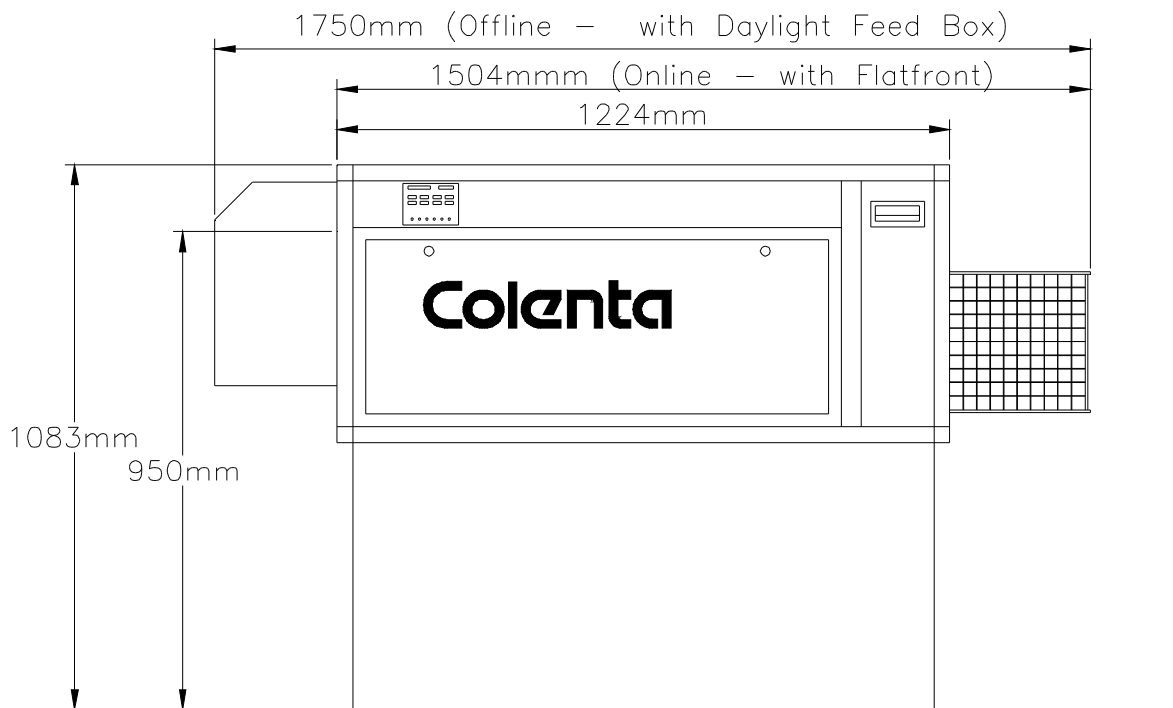
170cm x 152cm x 140cm (L x W x H)

3,62 m<sup>3</sup>

410 kg

# DIMENSIONS:

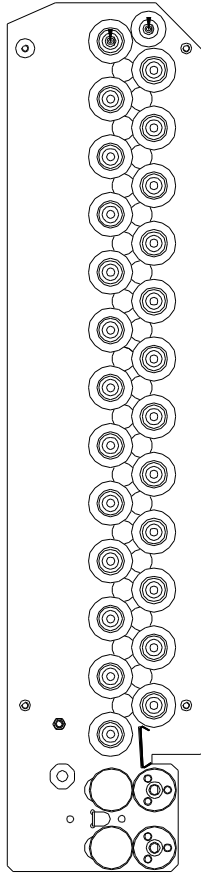
## SP-Version



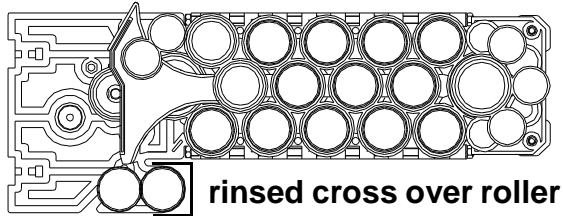
|                 |         |
|-----------------|---------|
| Y for IL 37 SP  | 650 mm  |
| Y for IL 56 SP  | 860 mm  |
| Y for IL 68 SP  | 960 mm  |
| Y for IL 80 SP  | 1100 mm |
| Y for IL 95 SP  | 1250 mm |
| Y for IL 110 SP | 1398 mm |

# Racksystem: 37 - 110 SP

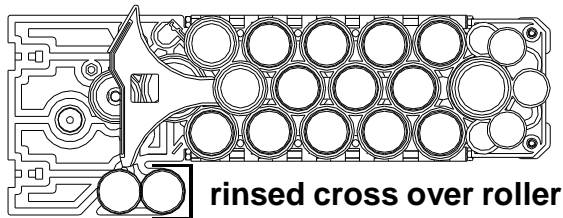
DRYER



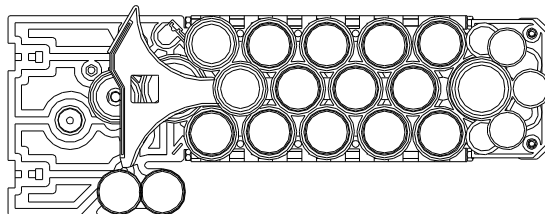
WASH



FIX



DEV



# Details for shipment:

## **IL 37 SP**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 111cm x 140cm (L x W x H)

2,64 m<sup>3</sup>

250 kg

## **IL 56 SP**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 111cm x 140cm (L x W x H)

2,64 m<sup>3</sup>

280 kg

## **IL 68 SP**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

180cm x 123cm x 143cm (L x W x H)

3,16 m<sup>3</sup>

325 kg

## **IL 80 SP**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 152cm x 155cm (L x W x H)

4,00 m<sup>3</sup>

380 kg

## **IL 95 SP**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 152cm x 155cm (L x W x H)

4,00 m<sup>3</sup>

405 kg

## **IL 110 SP**

packing dimensions:

packing volume:

weight with packing:

1 carton box on palette

170cm x 152cm x 155cm (L x W x H)

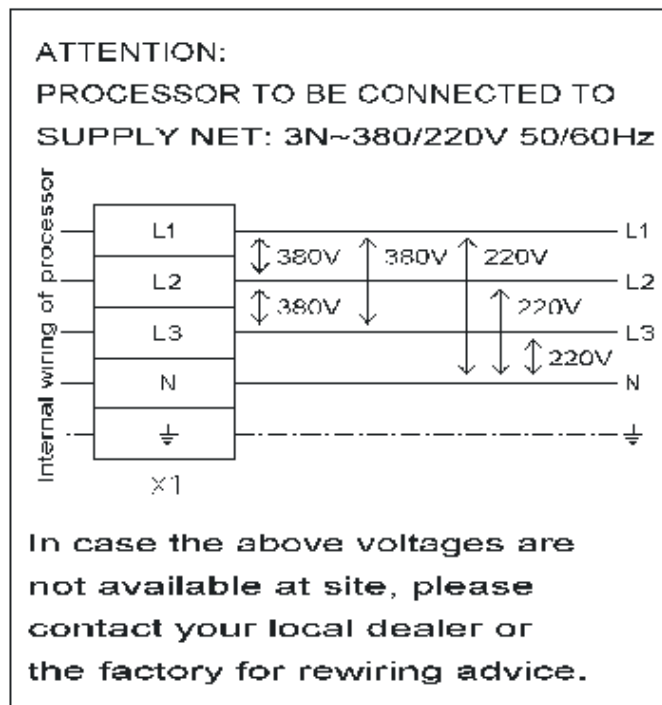
4,00 m<sup>3</sup>

450 kg

# **Electrical supply:** (Standard, when 3N~400/230V, 50/60 Hz supply available)

## **3N~400/230V 50/60Hz**

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <b><u>IL 37 S</u></b><br>-----*)<br>-----*) | <b><u>IL 56 S</u></b><br>6,4 kW<br>13 A  | <b><u>IL 68 S</u></b><br>6,4 kW<br>13 A  | <b><u>IL 80 S</u></b><br>6,5 kW<br>13 A  | <b><u>IL 95 S</u></b><br>6,5 kW<br>13 A  | <b><u>IL 110 S</u></b><br>11,5 kW<br>20 A  |
| <b><u>IL 37 SP</u></b><br>4,4 kW<br>13 A    | <b><u>IL 56 SP</u></b><br>6,4 kW<br>13 A | <b><u>IL 68 SP</u></b><br>6,5 kW<br>13 A | <b><u>IL 80 SP</u></b><br>6,5 kW<br>13 A | <b><u>IL 95 SP</u></b><br>8,2 kW<br>16 A | <b><u>IL 110 SP</u></b><br>11,5 kW<br>20 A |



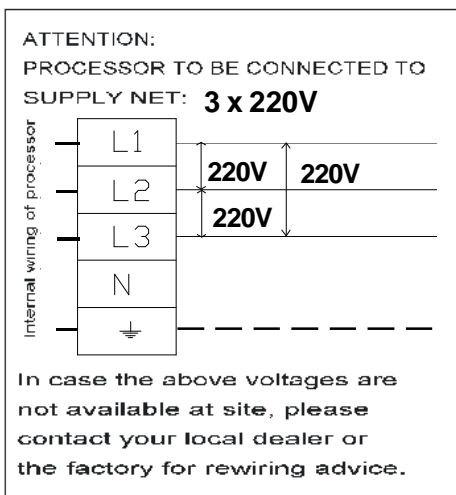
\*).....IL37S : Single phase 230V, 50/60 Hz, 3,2Kw , 16A

# Electrical supply:

(alternatives, to be indicated when ordering)

## 3~220V 50/60Hz

|                                   |                                   |                                   |                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <u>IL 37 S</u><br>-----<br>-----  | <u>IL 56 S</u><br>6,4 kW<br>20 A  | <u>IL 68 S</u><br>6,4 kW<br>20 A  | <u>IL 80 S</u><br>6,4 kW<br>20 A  | <u>IL 95 S</u><br>6,5 kW<br>20 A  | <u>IL 110 S</u><br>11,5 kW<br>40A |
| <u>IL 37 SP</u><br>4,4 kW<br>13 A | <u>IL 56 SP</u><br>6,4 kW<br>20 A | <u>IL 68 SP</u><br>6,5 kW<br>20 A | <u>IL 80 SP</u><br>6,5 kW<br>20 A | <u>IL 95 SP</u><br>8,2 kW<br>25 A | <u>IL 110 SP</u><br>6,5 kW<br>40A |



## 220V~ 50/60Hz

|                                   |                                   |                                   |                                   |                                   |                                    |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| <u>IL 37 S</u><br>3,2 kW<br>16 A  | <u>IL 56 S</u><br>6,4 kW<br>32 A  | <u>IL 68 S</u><br>6,4 kW<br>32 A  | <u>IL 80 S</u><br>6,5 kW<br>32 A  | <u>IL 95 S</u><br>6,5 kW<br>32 A  | <u>IL 110 S</u><br>-----<br>-----  |
| <u>IL 37 SP</u><br>4,4 kW<br>20 A | <u>IL 56 SP</u><br>6,4 kW<br>32 A | <u>IL 68 SP</u><br>6,5 kW<br>32 A | <u>IL 80 SP</u><br>6,5 kW<br>32 A | <u>IL 95 SP</u><br>8,2 kW<br>40 A | <u>IL 110 SP</u><br>-----<br>----- |

