

# Data sheet

## Assembly Press

### Assembly Press Line5 RX 200-750-100

| Basic data                      |                                                                 |
|---------------------------------|-----------------------------------------------------------------|
| Nominal force (push/pull)       | 200 / 100 kN                                                    |
| Stroke                          | 750 mm                                                          |
| Nominal speed                   | 100 mm/s                                                        |
| Nominal acceleration            | 1000 mm/s <sup>2</sup>                                          |
| Dwell time of nominal load      | min. 4 s                                                        |
| Weight mechanics (HGX/SGX)      | 462 / 484 kg                                                    |
| Max. tool weight*               | 2000 kg                                                         |
| Force measurement               |                                                                 |
| Measuring principle             | Strain gauge (internal)                                         |
| System accuracy**               | <1% with 2-point-calibration<br>/ <0,3% with characteristic map |
| Preamplifier                    |                                                                 |
| Type                            | PDM-S RX                                                        |
| Output signal                   | digital                                                         |
| Protection class                | IP54                                                            |
| Power supply                    | 24 VDC (-15 / +20 %)                                            |
| Power input                     | 14 W                                                            |
| Distance measuring              |                                                                 |
| Feedback device                 | Multiturn                                                       |
| Repeatability of positioning*** | < 0,01 mm                                                       |
| Servo amplifier                 |                                                                 |
| Type                            | M702-054-00300-A                                                |
| Dimensions (WxHxD)              | 143 x 391 x 200 mm                                              |
| Mains voltage                   | 3 AC 380 V ... 480 V, +/- 10 %                                  |
| Cable cross section (input)     | IEC 6 mm <sup>2</sup> / UL 8 AWG                                |
| Cable cross section (output)    | IEC 6 mm <sup>2</sup> / UL 8 AWG                                |
| Protection class (DIN 60529)    | IP20                                                            |
| Weight                          | 7,4 kg                                                          |
| Recommended protection          | IEC 35 A gG<br>UL/USA 35 A CC or J                              |
| Temperature range               | -20 °C...+50 °C                                                 |
| Power loss                      | 434 W                                                           |
| Line filter                     |                                                                 |
| Weight                          | 4,2 kg                                                          |
| Cable cross section (input)     | 6 mm <sup>2</sup> / 10 AWG                                      |
| Power loss                      | 47 W                                                            |

| Line filter                  |                                                   |
|------------------------------|---------------------------------------------------|
| Dimensions (WxHxD)           | 143 x 437 x 60 mm                                 |
| Protection class (DIN 60529) | IP20                                              |
| Controller                   |                                                   |
| Type                         | Controller RX                                     |
| PLC Fieldbus                 | Profinet (RT), Profibus,<br>EtherCAT, Ethernet/IP |
| Protection class             | IP20                                              |
| Power supply                 | 24 VDC (-15 / +20 %) SELV                         |
| Power input                  | 25 W                                              |

\* For a heavier tool weight please consult PROMESS.

\*\* Force measuring system, static calibration in relation to the reference system / \*\*\* at thermal steady-state

All nominal values refer to 400 V mains voltage.

Tilting of the plunger due to the tool weight must be considered for a horizontal installation.

Radial forces must not exceed 8% of the nominal force of the unit.

If the ratio of pause time / cycle time is < 0,5, please consult PROMESS.

Order code: **RLWIK200D-075-010.G.**

#### Type

R: Master UFM / S: Slave UFM /  
M: Press EMF

#### Model

L: Line5 RX / C: Classic  
P: Precision5 RX

#### Engine manufacturer

W: Wittur

#### Motor position

I: Inline / P: Parallel / U: Parallel with  
machine protection coupling

#### Nominal force

N: N / K: kN / M: MN

#### Force measuring

D: DMS / P: Piezo / N: without

#### Nominal stroke in cm

#### Nominal speed in cm/s

#### Brake

H: Holding brake / S: Safety brake

#### Version number

G: Basic version

For more efficiency.

**PROMESS**  
ASSEMBLY + SENSOR TECHNOLOGY

