

Data sheet

Assembly Press

Assembly Press Line5 RX 100-750-200

| Basic data | |
|---------------------------------|--|
| Nominal force (push/pull) | 100 / 100 kN |
| Stroke | 750 mm |
| Nominal speed | 200 mm/s |
| Nominal acceleration | 1000 mm/s ² |
| Dwell time of nominal load | min. 4 s |
| Weight mechanics | 289 kg |
| Max. tool weight* | 1000 kg |
| Force measurement | |
| Measuring principle | DMS |
| System accuracy** | <0,5% with 2-point-calibration / <0,1% 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 ² / UL 8 AWG |
| Cable cross section (output) | IEC 6 mm ² / UL 8 AWG |
| Protection class (DIN 60529) | IP20 |
| Weight | 7,4 kg |
| Recommended protection | IEC 35 A gG 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 ² / 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, 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: **RLWPK100D-075-020SG0**

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

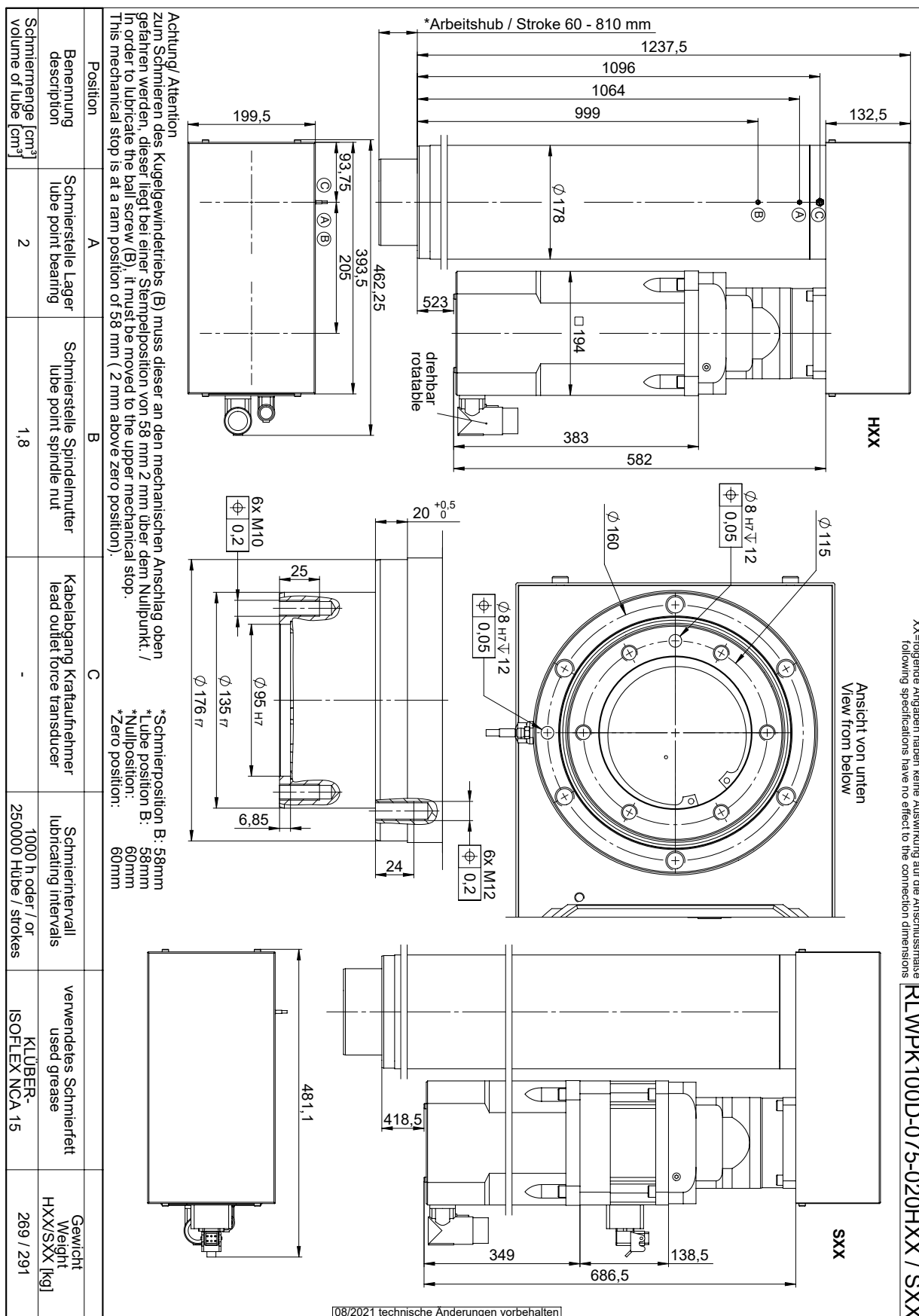
Brake

H: Holding brake / S: Safety brake

Version number

G: Basic version

For more efficiency.



| Position | A | B | C | | | |
|--|---|---|--|---|--|-------------------|
| Benennung description | Schmierstelle Lager lube point bearing | Schmierstelle Spindelmutter lube point spindle nut | Kabelabgang Kraftaufnehmer lead outlet force transducer | Schmierintervall lubricating interval | verwendetes Schmierfett used grease | Gewicht Weight |
| Schmiermenge [cm ³] volume of lube [cm ³] | 2 | 1,8 | - | 1000 h oder / or 250000 Hübe / strokes | KLÜBER- ISOFLEX NCA 15 | 269 / 291 |

Achtung / Attention
 zum Schmierfenster (B) muss dieser an den mechanischen Anschlag oben
 gefahren werden, dieser liegt bei einer Stempelposition von 58 mm 2 mm über dem Nullpunkt.
 In order to lubricate the ball screw (B), it must be moved to the upper mechanical stop.
 This mechanical stop is at a ram position of 58 mm (2 mm above zero position).

*Schmierposition B: 58mm
 *Lube position B: 58mm
 *Nullposition: 60mm
 *Zero position: 60mm