

## Assembly Press

### UFM Compact 50-350-150

Main functions	
Nominal load (push/pull)	50 / 20 kN
Stroke	350 mm
Nominal speed	150 mm/s
Acceleration	1000 mm/s <sup>2</sup>
Dwell time of nominal load	min. 4 s
Weight mechanics (NG1/HG1/SG1)	92,9 / 94,5 / 100,6 kg
Max. tool weight*	50 kg
Force	
Measuring principle	DMS
System accuracy**	<1% with 2-point-calibration / <0,3% with characteristic map
Amplifier PDM-S / (WxHxD)	Aluminum die-cast / 125 x 80 x 57 mm
Output signal	digital
Protection class	IP40
Power supply	19...36 VDC (3 W)
Distance measuring	
Feedback device	Multiturn
Repeatability of positioning***	< 0,01 mm
Servo amplifier	
Type	M702-044-00150-A
Dimensions (WxHxD)	124 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 10 AWG
Cable cross section (output)	IEC 6 mm <sup>2</sup> / UL 10 AWG
Protection class	IP20
Weight	6,5 kg

Servo amplifier	
Recommended protection	IEC 25 A gG UL/USA 25 A CC or J
Temperature range	-20°C...+50°C
Power loss	283 W
Line filter	
Weight	3,6 kg
Cable cross section (input)	6 mm <sup>2</sup> / 10 AWG
Power loss	28 W
Dimensions (WxHxD)	123 x 437 x 60 mm
Protection class	IP20
Interfaces	
PC	Ethernet
PLC (24 VDC)	3I / 4O
PLC Fieldbus	Profibus, Profinet, EtherCat, EtherNet/IP, Modbus/TCP
Extension Options PROMESS Bus	PDM-A: 4x analogue / PDM-P: Piezo / PDM-I/O: 16I / 16O

\* if using a holding break: max. permitted tool weight = 10% nominal load. For a heavier tool weight please consult PROMESS.

\*\* Force measuring system, static calibration / \*\*\* at thermal steady-state

All nominal values refer to 400 V mains voltage.

Sagging 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: **CP5 P0500-035-015 ... ..**

#### Motor position

I: Inline / P: Parallel

Nominal force in 1/10 kN

Nominal stroke in cm

Nominal speed in cm/s

#### Brake:

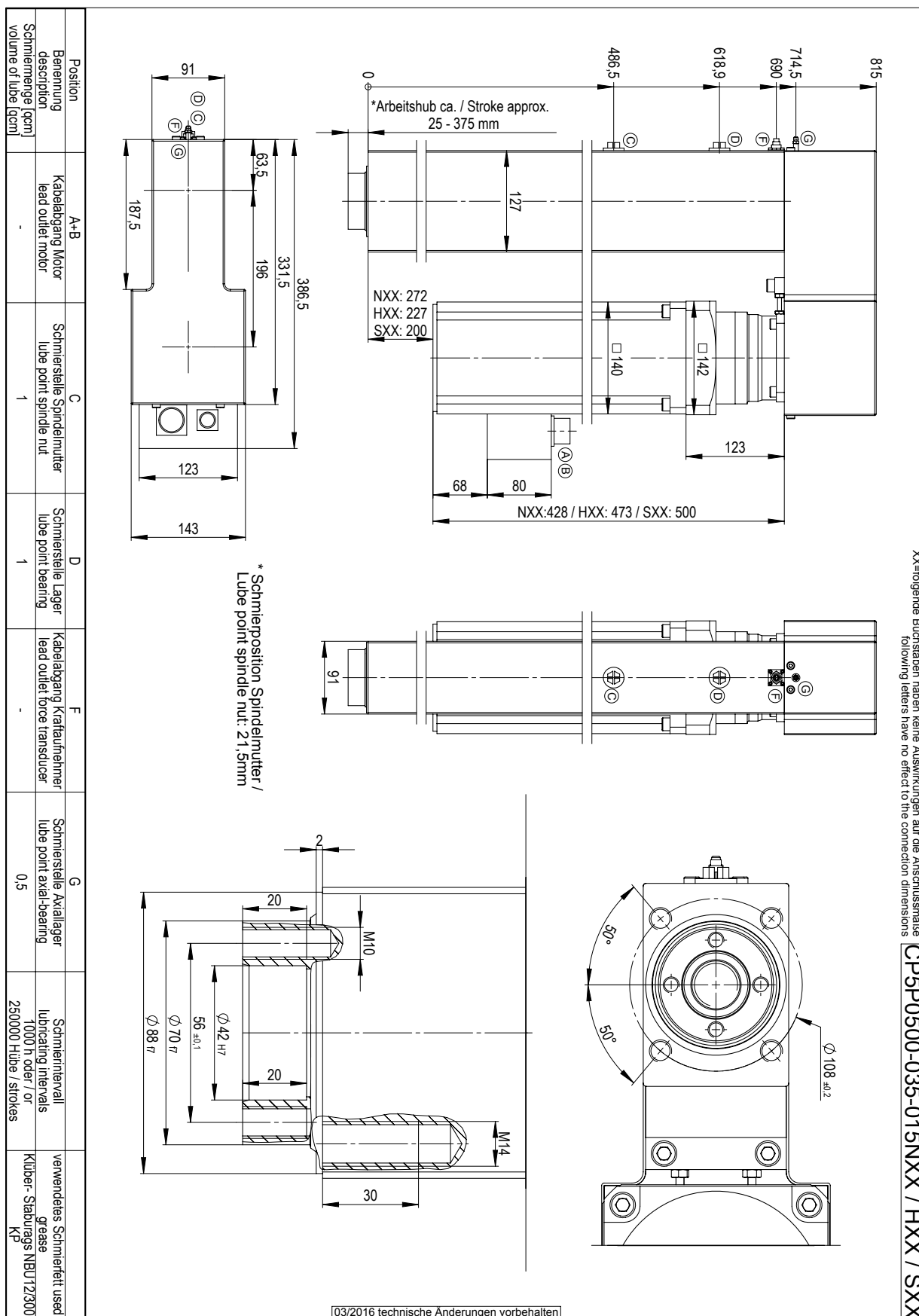
H: Holding brake / S: Safety brake

N: without brake

#### Special type:

GX: Basic version / XX: Special type

For more efficiency.



XX=folgende Buchstaben haben keine Auswirkungen auf die Anschlussmaße  
following letters have no effect to the connection dimensions

CP5P0500-035-015NXX / HXX / SXX

Position	A+B	C	D	F	G		
Benennung description	Kabelabgang Motor lead outlet motor	Schmierstelle Spindelmutter lube point spindle nut	Schmierstelle Lager lube point bearing	Kabelabgang Kraftaufnehmer lead outlet force transducer	Schmierstelle Axiallager lube point axial-bearing	Schmierintervall lubricating intervals	verwendetes Schmierfett used grease
Schmiermenge [ccm] volume of lube [ccm]	-	1	1	-	0,5	1000 h oder / or 250000 Hübe / strokes	Küber- Staburags NBU17/300 KP