



Highlights:

- New development
- Extremely compact
- Energy efficient: Volumetric efficiency up to 98%
- Low noise level
- Easy maintenance
- Extensive accessories, such as the pneumatic suction valve lifting device (PSVA)

DPX 105 | Technical data

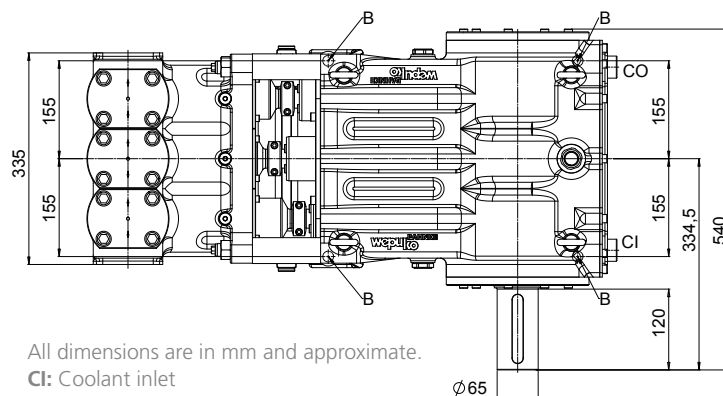
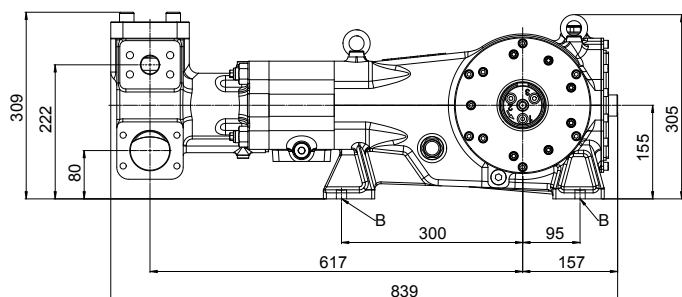
High-pressure triplex plunger pump

Nominal pressure (bar)	Plunger diameter (mm)	Effective volume flow (l / min)									
		300	350	400	450	500	550	600	650	700	750
630	28	23	27	31	35	39	43	47	51	55	59
500	32	31	36	41	46	51	57	62	67	72	77
400	36	39	46	52	59	65	72	79	85	92	98
315	40	49	57	65	74	82	90	98	106	114	123
250	45	62	72	82	93	103	113	124	134	144	154
200	50	76	89	102	115	127	140	153	166	178	191
160	55	93	109	124	140	155	171	186	202	217	233
125	65	130	152	174	196	217	239	261	282	304	326

Pump speed (rpm)	300	350	400	450	500	550	600	650	700	750
Shaft power (kW)	29,2	34,0	38,9	43,7	48,6	53,5	58,3	63,2	68,1	72,9

The specified values are based on continuous operation and using water as a working medium. Further information and non-standard versions on request. All technical data is subject to change.

Weight: ca. 250 kg
Rod force: 48 kN
Stroke: 45 mm



All dimensions are in mm and approximate.

CI: Coolant inlet

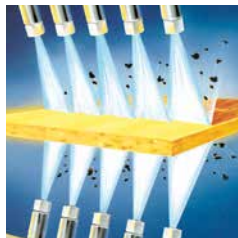
CO: Coolant outlet

B: 4x fixing hole diameter 17 mm

Version with integrated water cooling and splash lubrication.

Application examples

- Hydraulic drives
- Descaling
- Industrial cleaning
- Deburring
- Hydroentanglement
- And many more applications



Descaling



Forging press drives

Is your application not mentioned here?

Please give us a call. We'll be pleased to advise you.

Design features

- Extremely compact design
- Robust construction suitable for continuous and intermittent operation
- Pump head with integrated plunger-cylinder unit
- Easily accessible valve inserts
- Excellent suction capacity
- Plungers made of coated stainless steel, ceramic or other materials
- Low-maintenance drive unit
- Control range between 45 and 750 rpm at full load
- Start-up under load possible
- Self-adjusting, maintenance-free high-pressure seal
- Low-maintenance low-pressure seal
- Quick-release plunger clamp for rapid assembly and maintenance

Accessories

- Pneumatic suction valve lifting device (PSVA)
- Safety valve
- Recirculating valve
- Pressure regulating valve
- Gate valve
- Non-return valve
- Forced feed lubrication
- Pulsation damper
- Water or air cooling
- Noise protection
- Filter units
- Pump controller
- Diagnostic assistance
- System accessories

Further accessories on request



Air cooling and splash lubrication.

Up to 35 °C ambient temp.
Up to 35 kW / 450 rpm.*



Air cooling with fan and forced feed lubrication.

Up to 45 °C ambient temp.
Up to 65 kW / 650 rpm.*



Water cooling and splash lubrication.

Dependent on the ambient temp.
Up to 73 kW / 750 rpm.



Water cooling and forced feed lubrication.

Up to 35 °C ambient temp.
Up to 80 kW / 750 rpm.

* Higher ambient temperatures of up to 55 °C are possible at reduced rpm or intermittent operation.

Drive options

- Gearbox (horizontal, vertical or angular; with or without couplings)
- Compact gearbox
- Built-on gearbox
- V-belt drive
- Compact V-belt drive (vertical design)
- Direct drive (with or without frequency converter)

Possibility of various drive types (electric, Diesel, hydraulic etc.)

Contact



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