

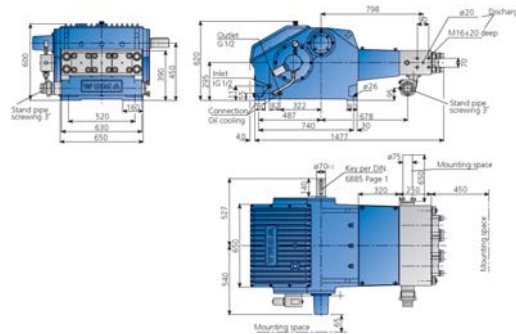
Technical Data

High-Pressure Plunger Pump Type 700 Z / 1000 Z

All dimensions in mm
 Thread "M" as per DIN 13/ISO 261
 Thread "G" as per DIN ISO 228/1

Technical data:

- ▶ Oil capacity: approx. 45 l
- ▶ Weight: 1420 kg net
- ▶ Stroke: 140 mm/5.52 inch
- ▶ Inlet pressure required: 3 – 8 bar/45 – 115 psi
- ▶ Rod force: 128 kN

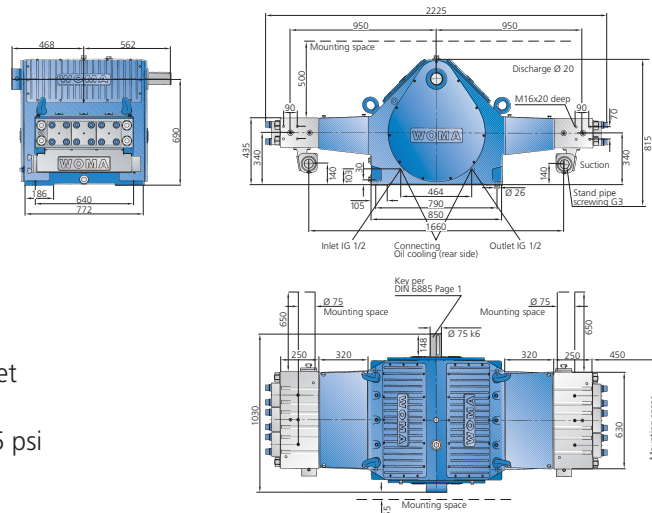


Performance Chart Pump Type 700 Z										
Plunger diameter (mm)	Gear ratio			Crank shaft (Rpm)	Required drive (kW)	USG pm	Nominal flow rate			Max. permissible operating pressure (psi/bar)
	1,500	Pinion shaft (Rpm)					IMPG pm	l/min		
P 30	3.30	1,800	3.45	530	395	38.3	31.9	145	21,750/1,500	
			3.96	522	389	37.8	143			
		2,100	3.30	455	339	33.0	27.5	125		
			3.30	545	407	39.6	33.0	150		
P 35	3.30	1,800	3.45	530	472	52.8	44.0	200	18,850/1,300	
			3.96	522	464	52.0	43.3	197		
		2,100	3.30	455	404	45.4	37.8	172		
P 40	3.30	1,800	3.45	530	481	70.3	58.5	266	14,500/1,000	
			3.96	522	473	68.9	57.4	261		
		2,100	3.30	455	412	60.2	50.2	228		
P 45	3.30	1,800	3.45	530	492	89.8	74.8	340	11,600/ 800	
			3.96	522	484	88.2	73.5	334		
		2,100	3.30	455	422	76.9	64.0	291		
P 50	3.30	1,800	3.45	530	498	111.7	93.0	423	9,425/ 650	
			3.96	522	490	109.9	91.5	416		
		2,100	3.30	455	427	95.6	79.6	362		

All dimensions in mm
 Thread "M" as per DIN 13/ISO 261
 Thread "G" as per DIN ISO 228/1

Technical data:

- ▶ Oil capacity: approx. 45 l
- ▶ Weight: approx. 2580 kg net
- ▶ Stroke: 130 mm/5.1 inch
- ▶ Inlet pressure required: 3 – 8 bar/45 – 115 psi
- ▶ Rod force: 110 kN



Performance Chart Pump Type 1000 Z										
Plunger diameter (mm)	Gear ratio			Crank shaft (Rpm)	Required drive (kW)	USG pm	Nominal flow rate			Max. permissible operating pressure (psi/bar)
	1,500	Pinion shaft (Rpm)					IMPG pm	l/min		
P 30	3.00	1,800	3.69	496	712	69.2	57.6	262	21,750/1,500	
			4.23	488	702	68.2	56.8	258		
		2,100	3.69	425	609	59.2	49.3	224		
			4.23	500	718	69.7	58.1	264		
P 35	3.00	1,800	3.69	496	712	94.3	78.5	357	15,950/1,100	
			4.23	488	700	92.7	77.2	351		
		2,100	3.69	425	610	80.8	67.3	306		
P 40	3.00	1,800	3.69	496	718	123.1	102.5	466	12,325/ 850	
			4.23	488	706	121.0	100.7	458		
		2,100	3.69	425	615	105.4	87.8	399		
P 45	3.00	1,800	3.69	496	761	158.5	132.0	600	10,150/ 700	
			4.23	488	750	156.1	130.0	591		
		2,100	3.69	425	652	135.8	113.1	514		
P 50	3.00	1,800	3.69	500	768	159.8	133.1	605	10,150/ 700	
			4.23	406	623	129.7	108.0	491		
		2,100	3.69	425	623	129.7	108.0	491		
			4.23	354	543	113.1	94.1	428		