

HAMMELMANN®

Technical data, series HAMPRO® 400: Performance parameters (standard design)

HAM PRO®	Q** [l/min]	Q** [m³/h]	Required power rating [kW]			D [mm]	r.p.m.	
			200	300	400		n1	n2
			Operating pressure [bar]					
404	45	2,7	2400			28	1500	340
	46	2,8	1950	2950	3200		1427/1712	*390
	65	3,9	1650	2500	3000		1800	490
	58	3,5	1800	2600		32	1500	340
	62	3,7	1500	2250	2600		1427/1712	*390
	84	5,0	1300	1850	2600		1800	490
	71	4,3	1500	2200		35	1500	340
	77	4,6	1250	1850	2150		1427/1712	*390
	103	6,2	1000	1500	2000		1800	490

403	95	5,7	1150	1670		40	1500	340
	103	6,2	950	1450	1650		1427/1712	*390
	137	8,2	800	1200	1600		1800	490
	125	7,5	850	1300		45	1500	340
	134	8,0	750	1100	1300		1427/1712	*390
	180	10,8	600	900	1200		1800	490

402	152	9,1	720	1070		50	1500	340
	167	10,0	600	900	1050		1427/1712	*390
	218	13,1	500	750	1000		1800	490
	184	11,0	590	880		55	1500	340
	206	12,4	500	750	850		1427/1712	*390
	265	15,9	400	610	830		1800	490
	223	13,4	490	740		60	1500	340
	248	14,9	430	640	740		1427/1712	*390
	321	19,3	330	500	680		1800	490
	263	15,8	410	630		65	1500	340
	293	17,6	360	550	630		1427/1712	*390
	379	22,7	280	430	580		1800	490
	306	18,4	350	540		70	1500	340
	341	20,5	310	470	540		1427/1712	*390
	441	26,5	240	370	490		1800	490
	350	21,0	300	470		75	1500	340
	394	23,6	270	400	470		1427/1712	*390
	504	30,2	210	320	430		1800	490
	396	23,8	270	410		80	1500	340
	450	27,0	240	360	410		1427/1712	*390
	570	34,2	190	280	380		1800	490

401 High flow	396	23,8	270	410		80	1500	340
	450	27,0	240	360	410		1427/1712	*390
	570	34,2	190	280	380		1800	490
	438	26	240	370		85	1500	340
	509	31	210	320	360		1427/1712	*390
	631	38	170	260	340		1800	490
	496	30	220	330		90	1500	340
	572	34	190	280	330		1427/1712	*390
	715	43	150	220	300		1800	490
	617	37	170	260		100	1500	340
	709	43	150	230	260		1427/1712	*390
	889	53	120	180	240		1800	490
	756	45	140	220		110	1500	340
	860	52	120	190	220		1427/1712	*390
	1090	65	100	150	200		1800	490
	903	54	120	180		120	1500	340
	1026	62	100	160	180		1427/1712	*390
	1289	77	90	130	170		1800	490

Data

- Rod force: 210 kN
- Stroke: 80 mm
- Mean plunger speed at n2:

340 r.p.m. = 1,00 m/sec

390 r.p.m. = 1,23 m/sec

591 r.p.m. = 1,48 m/sec

Certificates

- Machine directive 2006/42/EG
- ATEX 2014/34/EG
- API 674
- TA-Luft (Clean Air)
- NORSOK M501
- NORSOK M650
- NACE MR0175

Standards

- DIN EN ISO 9001
- DIN EN ISO 14001
- DIN EN ISO 50001
- BS OHSAS 18001
- ASME-U
- Achilles
- EAC



Hammelmann plunger pumps convert 93 to 98 % of the shaft power to hydraulic energy.

**Data refer to the medium water (compressibility considered)

* Speed limit for continuous service according to API 674 – 6.3.1

D = Plunger diameter

n1 = Motor/Engine r.p.m.

n2 = Crankshaft r.p.m.