









Features of the M-series

	Plunger diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 <p>70 M</p>	10	-	-	-	825	52.3 / 39	2.0 / 7.4	43500 / 3000
	10	-	-	-	750	48.3 / 36	1.8 / 6.7	43500 / 3000
	12	-	-	-	825	65.7 / 49	3.0 / 11.2	36250 / 2500
	12	-	-	-	750	59.0 / 44	2.7 / 10.2	36250 / 2500
 <p>150 M</p>  <p>Installation variations</p>	12	-	-	4.57	460	91.2 / 68	3.3 / 12.6	43500 / 3000
	12	-	3.69	-	488	96.6 / 72	3.5 / 13.4	43500 / 3000
	12	-	4.57	-	394	77.8 / 58	2.9 / 10.8	43500 / 3000
	12	2.96	-	-	507	100.6 / 75	3.7 / 13.9	43500 / 3000
	12	3.69	-	-	407	80.5 / 60	2.9 / 11.1	43500 / 3000
	12	4.57	-	-	328	64.4 / 48	2.4 / 9.0	43500 / 3000
	14	-	-	4.57	460	105.9 / 79	4.6 / 17.6	36250 / 2500
	14	-	3.69	-	488	112.6 / 84	4.9 / 18.7	36250 / 2500
	14	-	4.57	-	394	91.2 / 68	4.0 / 15.1	36250 / 2500
	14	2.96	-	-	507	118.0 / 88	5.2 / 19.5	36250 / 2500
	14	3.69	-	-	407	93.9 / 70	4.1 / 15.6	36250 / 2500
	14	4.57	-	-	328	76.4 / 57	3.3 / 12.6	36250 / 2500
	16	-	-	4.57	460	114.0 / 85	6.3 / 23.7	29000 / 2000
	16	-	3.69	-	488	122.0 / 91	6.7 / 25.2	29000 / 2000
	16	-	4.57	-	394	98.0 / 73	5.4 / 20.3	29000 / 2000
	16	2.96	-	-	507	126.1 / 94	6.9 / 26.1	29000 / 2000
	16	3.69	-	-	407	100.6 / 75	5.5 / 21.0	29000 / 2000
	16	4.57	-	-	328	82.0 / 61	4.5 / 16.9	29000 / 2000
	18	-	-	4.57	460	111.3 / 83	8.1 / 30.8	21750 / 1500
	18	-	3.69	-	488	118.0 / 88	8.6 / 32.7	21750 / 1500
	18	-	4.57	-	394	95.2 / 71	7.0 / 26.4	21750 / 1500
	18	2.96	-	-	507	123.4 / 92	9.0 / 34.0	21750 / 1500
	18	3.69	-	-	407	99.2 / 74	7.2 / 27.3	21750 / 1500
	18	4.57	-	-	328	79.1 / 59	5.8 / 22.0	21750 / 1500
 <p>185 M</p>  <p>Installation variations</p>	14	-	-	4.57	460	124.7 / 93	4.5 / 17.1	43500 / 3000
	14	-	3.69	-	488	131.4 / 98	4.8 / 18.2	43500 / 3000
	14	-	4.57	-	394	106.0 / 79	3.9 / 14.7	43500 / 3000
	14	2.96	-	-	507	136.8 / 102	5.0 / 18.9	43500 / 3000
	14	3.69	-	-	407	110.0 / 82	4.0 / 15.2	43500 / 3000
	14	4.57	-	-	328	88.5 / 66	3.2 / 12.2	43500 / 3000
	15	-	-	4.57	460	134.1 / 100	5.3 / 19.9	40600 / 2800
	15	-	3.69	-	488	144.8 / 108	5.6 / 21.1	40600 / 2800
	15	-	4.57	-	394	115.3 / 86	4.5 / 17.1	40600 / 2800
	15	2.96	-	-	507	148.9 / 111	5.8 / 21.9	40600 / 2800
	15	3.69	-	-	407	119.3 / 89	4.6 / 17.6	40600 / 2800
	15	4.57	-	-	328	96.6 / 72	3.8 / 14.2	40600 / 2800
	16	-	-	4.57	460	139.5 / 104	6.1 / 23.0	36250 / 2500
	16	-	3.69	-	488	147.5 / 110	6.5 / 24.5	36250 / 2500
	16	-	4.57	-	394	119.3 / 89	5.2 / 19.7	36250 / 2500
	16	2.96	-	-	507	154.2 / 115	6.7 / 25.4	36250 / 2500
	16	3.69	-	-	407	123.4 / 92	5.4 / 20.4	36250 / 2500
	16	4.57	-	-	328	99.2 / 74	4.4 / 16.5	36250 / 2500

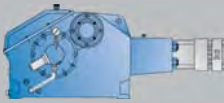

1mm = 0.03937 inch • 1 kW = 1.341 HP, 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the M-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
185 M	18	-	-	4.57	460	144.8 / 108	7.9 / 30	29000/2000
	18	-	3.69	-	488	154.2 / 115	8.4 / 31.8	29000/2000
	18	-	4.57	-	394	124.7 / 93	6.8 / 25.7	29000/2000
	18	2.96	-	-	507	159.6 / 119	8.7 / 33.1	29000/2000
	18	3.69	-	-	407	128.7 / 96	7.0 / 26.5	29000/2000
	18	4.57	-	-	328	103.3 / 77	5.0 / 19	29000/2000
250 M   Installation variations	15	-	-	4.52	464	144.8 / 108	5.3 / 20	43500/3000
	15	-	3.57	-	504	156.9 / 117	5.8 / 22	43500/3000
	15	-	4.52	-	398	123.4 / 92	4.8 / 18	43500/3000
	15	3.04	-	-	493	152.9 / 114	5.5 / 21	43500/3000
	15	3.57	-	-	420	130.1 / 97	5.0 / 19	43500/3000
	15	4.52	-	-	331	103.3 / 77	4.0 / 15	43500/3000
	16	-	-	4.52	464	155.6 / 116	6.1 / 23	40600/2800
	16	-	3.57	-	504	168.9 / 126	6.9 / 26	40600/2800
	16	-	4.52	-	398	132.8 / 99	5.3 / 20	40600/2800
	16	3.04	-	-	493	165.0 / 123	6.6 / 25	40600/2800
	16	3.57	-	-	420	140.8 / 105	5.5 / 21	40600/2800
	16	4.52	-	-	331	110.0 / 82	4.5 / 17	40600/2800
	18	-	-	4.52	464	178.4 / 133	7.7 / 29	36250/2500
	18	-	3.57	-	504	193.1 / 144	8.5 / 32	36250/2500
	18	-	4.52	-	398	152.9 / 114	6.9 / 26	36250/2500
	18	3.04	-	-	493	189.1 / 141	8.2 / 31	36250/2500
	18	3.57	-	-	420	161.0 / 120	7.1 / 27	36250/2500
	18	4.52	-	-	331	127.4 / 95	5.5 / 21	36250/2500
	20	-	-	4.52	464	181.0 / 135	9.8 / 37	29000/2000
	20	-	3.57	-	504	197.1 / 147	10.6 / 40	29000/2000
	20	-	4.52	-	398	156.6 / 116	8.5 / 32	29000/2000
	20	3.04	-	-	493	193.1 / 144	10.6 / 40	29000/2000
	20	3.57	-	-	420	163.6 / 122	9.0 / 34	29000/2000
	20	4.52	-	-	331	128.7 / 96	7.1 / 27	29000/2000
400 M 	18	-	-	4.23	496	304.4 / 227	11.1 / 42	43500/3000
	18	-	3.60	-	500	307.1 / 229	11.1 / 42	43500/3000
	18	-	4.23	-	425	261.5 / 195	9.5 / 36	43500/3000
	18	2.96	-	-	506	311.1 / 232	11.4 / 43	43500/3000
	18	3.60	-	-	416	256.1 / 191	9.2 / 35	43500/3000
	18	4.23	-	-	354	217.2 / 162	7.9 / 30	43500/3000
	20	-	-	4.23	496	323.2 / 241	14.0 / 53	36250/2500
	20	-	3.60	-	500	324.5 / 242	14.0 / 53	36250/2500
	20	-	4.23	-	425	276.2 / 206	11.9 / 45	36250/2500
	20	2.96	-	-	506	329.9 / 246	14.3 / 54	36250/2500
	20	3.60	-	-	416	270.9 / 202	11.9 / 45	36250/2500
	20	4.23	-	-	354	230.7 / 172	10.0 / 38	36250/2500
	22	-	-	4.23	496	320.5 / 239	17.4 / 66	29000/2000
	22	-	3.60	-	500	323.2 / 241	17.7 / 67	29000/2000
	22	-	4.23	-	425	275.0 / 205	15.1 / 57	29000/2000
	22	2.96	-	-	506	327.2 / 244	17.7 / 67	29000/2000
	22	3.60	-	-	416	269.5 / 201	14.5 / 55	29000/2000
	22	4.23	-	-	354	229.3 / 171	12.4 / 47	29000/2000


1mm = 0.03937 inch • 1 kW = 1.341 HP, 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the M-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
<p>550 M</p> 	22	-	-	4.60	456	450.6 / 336	16.4 / 62	43500/3000
	22	-	3.96	-	454	449.2 / 335	16.4 / 62	43500/3000
	22	-	4.60	-	391	386.2 / 288	14.0 / 53	43500/3000
	22	3.30	-	-	454	449.2 / 335	16.4 / 62	43500/3000
	22	3.96	-	-	378	374.1 / 279	13.5 / 51	43500/3000
	22	4.60	-	-	326	321.8 / 240	11.6 / 44	43500/3000
	24	-	-	4.60	456	460.0 / 343	20.1 / 76	36250/2500
	24	-	3.96	-	454	458.6 / 342	19.8 / 75	36250/2500
	24	-	4.60	-	391	394.3 / 294	17.2 / 65	36250/2500
	24	3.30	-	-	454	458.6 / 342	19.8 / 75	36250/2500
	24	3.96	-	-	378	382.2 / 285	16.6 / 63	36250/2500
	24	4.60	-	-	326	328.5 / 245	14.3 / 54	36250/2500
	26	-	-	4.60	456	540.4 / 403	23.5 / 89	36250/2500
	26	-	3.96	-	454	537.7 / 401	23.2 / 88	36250/2500
	26	-	4.60	-	391	462.6 / 345	20.1 / 76	36250/2500
	26	3.30	-	-	454	537.8 / 401	23.2 / 88	36250/2500
	26	3.96	-	-	378	447.9 / 334	19.5 / 74	36250/2500
	26	4.60	-	-	326	386.2 / 288	16.6 / 63	36250/2500
	28	-	-	4.60	456	516.3 / 385	28.0 / 106	29000/2000
	28	-	3.96	-	454	513.6 / 383	27.7 / 105	29000/2000
	28	-	4.60	-	391	442.5 / 330	24.0 / 91	29000/2000
	28	3.30	-	-	454	513.6 / 383	27.7 / 105	29000/2000
	28	3.96	-	-	378	427.8 / 319	23.2 / 88	29000/2000
	28	4.60	-	-	326	368.8 / 275	20.1 / 76	29000/2000
<p>1000 M</p> 	22	-	-	4.23	496	910.5 / 679	33.0 / 125	43500/3000
	22	-	3.69	-	488	895.8 / 668	32.5 / 123	43500/3000
	22	-	4.23	-	425	780.5 / 582	28.3 / 107	43500/3000
	22	3.00	-	-	500	917.2 / 684	33.3 / 126	43500/3000
	22	3.69	-	-	406	745.6 / 556	26.9 / 102	43500/3000
	22	4.23	-	-	354	650.4 / 485	23.5 / 89	43500/3000
	24	-	-	4.23	496	930.7 / 694	40.4 / 153	36250/2500
	24	-	3.69	-	488	914.6 / 682	39.6 / 150	36250/2500
	24	-	4.23	-	425	796.6 / 594	34.6 / 131	36250/2500
	24	3.00	-	-	500	937.4 / 699	40.7 / 154	36250/2500
	24	3.69	-	-	406	761.2 / 568	33.0 / 125	36250/2500
	24	4.23	-	-	354	663.8 / 495	28.8 / 109	36250/2500
	26	-	-	4.23	496	898.5 / 670	48.9 / 185	29000/2000
	26	-	3.69	-	488	882.4 / 658	48.1 / 182	29000/2000
	26	-	4.23	-	425	769.7 / 574	41.7 / 158	29000/2000
	26	3.00	-	-	500	905.2 / 675	49.1 / 186	29000/2000
	26	3.69	-	-	406	734.9 / 548	39.9 / 151	29000/2000
	26	4.23	-	-	354	641.0 / 478	34.9 / 132	29000/2000

1mm = 0.03937 inch • 1 kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the Y-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
	15	-	-	-	1000	53.6 / 40	6.1 / 23	14500/1000
	15	-	-	-	750	40.2 / 30	4.5 / 17	14500/1000
	16	-	-	-	1000	61.7 / 46	6.9 / 26	14500/1000
	16	-	-	-	750	45.6 / 34	5.0 / 19	14500/1000
	18	-	-	-	1000	67.1 / 50	8.7 / 33	12325/850
	18	-	-	-	750	49.6 / 37	6.5 / 25	12325/850
	20	-	-	-	1000	68.4 / 51	10.8 / 41	10150/700
	20	-	-	-	750	51.0 / 38	8.0 / 30	10150/700

Example of an available model



Setup example:
Ultra-high pressure water jet unit
with Ultra-high pressure pump 70 Y

All illustrations are examples of available models only

1mm = 0.03937 inch • 1 kW = 1.341 HP, 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi



Subject to change WOMA® GmbH

Features of the Z-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
  Installation variations	19	-	-	4.57	460	128.7 / 96	9.2 / 35	21750/1500
	19	-	3.69	-	487	135.4 / 101	9.8 / 37	21750/1500
	19	-	4.57	-	393	110.0 / 82	7.9 / 30	21750/1500
	19	2.96	-	-	506	142.1 / 106	10.3 / 39	21750/1500
	19	3.69	-	-	406	114.0 / 85	8.2 / 31	21750/1500
	19	4.57	-	-	328	91.2 / 68	6.6 / 25	21750/1500
	20	-	-	4.57	460	119.3 / 89	10.3 / 39	18125/1250
	20	-	3.69	-	487	124.7 / 93	10.8 / 41	18125/1250
	20	-	4.57	-	393	100.6 / 75	8.7 / 33	18125/1250
	20	2.96	-	-	506	131.4 / 98	11.4 / 43	18125/1250
	20	3.69	-	-	406	103.3 / 77	9.0 / 34	18125/1250
	20	4.57	-	-	328	83.1 / 62	7.1 / 27	18125/1250
	22	-	-	4.57	460	115.3 / 86	12.4 / 47	14500/1000
	22	-	3.69	-	487	122.0 / 91	13.2 / 50	14500/1000
	22	-	4.57	-	393	97.9 / 73	10.6 / 40	14500/1000
	22	2.96	-	-	506	127.4 / 95	13.7 / 52	14500/1000
	22	3.69	-	-	406	103.3 / 77	11.1 / 42	14500/1000
	22	4.57	-	-	328	83.1 / 62	9.0 / 34	14500/1000
	26	-	-	4.57	460	123.4 / 92	17.7 / 67	10875/750
	26	-	3.69	-	487	130.1 / 97	18.8 / 71	10875/750
	26	-	4.57	-	393	106.0 / 79	15.3 / 58	10875/750
	26	2.96	-	-	506	135.4 / 101	19.6 / 74	10875/750
	26	3.69	-	-	406	110.0 / 82	15.9 / 60	10875/750
	26	4.57	-	-	328	88.5 / 66	12.7 / 48	10875/750
30	-	-	4.57	460	124.7 / 93	23.8 / 90	8265/570	
30	-	3.69	-	487	132.8 / 99	25.1 / 95	8265/570	
30	-	4.57	-	393	107.3 / 80	20.3 / 77	8265/570	
30	2.96	-	-	506	138.1 / 103	26.2 / 99	8265/570	
30	3.69	-	-	406	110.0 / 82	20.9 / 79	8265/570	
30	4.57	-	-	328	89.8 / 67	17.0 / 64	8265/570	
35	-	-	4.57	460	124.7 / 93	32.5 / 123	6090/420	
35	-	3.69	-	487	132.8 / 99	34.3 / 130	6090/420	
35	-	4.57	-	393	107.3 / 80	27.7 / 105	6090/420	
35	2.96	-	-	506	138.1 / 103	36.0 / 136	6090/420	
35	3.69	-	-	406	111.3 / 83	28.8 / 109	6090/420	
35	4.57	-	-	328	89.8 / 67	23.2 / 88	6090/420	
185 Z	20	-	-	4.57	460	138.1 / 103	10.0 / 38	21750/1500
	20	-	3.69	-	488	146.2 / 109	10.6 / 40	21750/1500
	20	-	4.57	-	394	118.0 / 88	8.5 / 32	21750/1500
	20	2.96	-	-	507	152.9 / 114	11.1 / 42	21750/1500
	20	3.69	-	-	407	122.0 / 91	9.0 / 34	21750/1500
	20	4.57	-	-	328	97.9 / 73	7.1 / 27	21750/1500
	22	-	-	4.57	460	146.2 / 109	12.2 / 46	18850/1300
	22	-	3.69	-	488	155.6 / 116	13.0 / 49	18850/1300
	22	-	4.57	-	394	124.7 / 93	10.6 / 40	18850/1300
	22	2.96	-	-	507	161.0 / 120	13.5 / 51	18850/1300
	22	3.69	-	-	407	128.7 / 96	10.8 / 41	18850/1300
	22	4.57	-	-	328	104.6 / 78	8.7 / 33	18850/1300

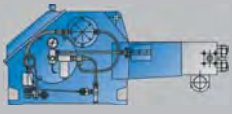
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Features of the Z-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 Installation variations	26	-	-	4.57	460	151.5 / 113	17.4 / 66	13775/950
	26	-	3.69	-	488	161.0 / 120	18.5 / 70	13775/950
	26	-	4.57	-	394	130.1 / 97	15.1 / 57	13775/950
	26	2.96	-	-	507	167.6 / 125	19.3 / 73	13775/950
	26	3.69	-	-	407	134.1 / 100	15.3 / 58	13775/950
	26	4.57	-	-	328	108.6 / 81	12.4 / 47	13775/950
	28	-	-	4.57	460	150.2 / 112	20.3 / 77	11600/800
	28	-	3.69	-	488	158.2 / 118	21.7 / 82	11600/800
	28	-	4.57	-	394	128.7 / 96	17.4 / 66	11600/800
	28	2.96	-	-	507	165.0 / 123	22.5 / 85	11600/800
	28	3.69	-	-	407	132.8 / 99	18.0 / 68	11600/800
	28	4.57	-	-	328	107.3 / 80	14.5 / 55	11600/800
 Installation variations	24	-	-	4.52	464	201.2 / 150	15.1 / 57	21750/1500
	24	-	3.57	-	504	218.6 / 163	16.4 / 62	21750/1500
	24	-	4.52	-	398	173.0 / 129	12.9 / 49	21750/1500
	24	3.04	-	-	493	213.2 / 159	15.9 / 60	21750/1500
	24	3.57	-	-	420	182.4 / 136	13.5 / 51	21750/1500
	24	4.52	-	-	331	143.5 / 107	10.6 / 40	21750/1500
	26	-	-	4.52	464	206.5 / 154	17.7 / 67	18850/1300
	26	-	3.57	-	504	224.0 / 167	19.3 / 73	18850/1300
	26	-	4.52	-	398	177.0 / 132	15.1 / 57	18850/1300
	26	3.04	-	-	493	220.0 / 164	18.8 / 71	18850/1300
	26	3.57	-	-	420	186.4 / 139	15.9 / 60	18850/1300
	26	4.52	-	-	331	147.5 / 110	12.7 / 48	18850/1300
	28	-	-	4.52	464	214.6 / 160	20.6 / 78	16675/1150
	28	-	3.57	-	504	232.0 / 173	22.2 / 84	16675/1150
	28	-	4.52	-	398	183.7 / 137	17.7 / 67	16675/1150
	28	3.04	-	-	493	228.0 / 170	21.9 / 83	16675/1150
	28	3.57	-	-	420	193.1 / 144	18.5 / 70	16675/1150
	28	4.52	-	-	331	152.9 / 114	14.5 / 55	16675/1150
	30	-	-	4.52	464	213.2 / 159	24.0 / 91	14500/1000
	30	-	3.57	-	504	233.3 / 174	26.2 / 99	14500/1000
	30	-	4.52	-	398	185.1 / 138	20.6 / 78	14500/1000
	30	3.04	-	-	493	229.3 / 171	25.4 / 96	14500/1000
	30	3.57	-	-	420	194.4 / 145	21.7 / 82	14500/1000
	30	4.52	-	-	331	154.2 / 115	17.2 / 65	14500/1000
35	-	-	4.52	464	214.6 / 160	32.5 / 123	10440/720	
35	-	3.57	-	504	232.0 / 173	35.1 / 133	10440/720	
35	-	4.52	-	398	183.7 / 137	27.7 / 105	10440/720	
35	3.04	-	-	493	228.0 / 170	34.3 / 130	10440/720	
35	3.57	-	-	420	193.1 / 144	29.3 / 111	10440/720	
35	4.52	-	-	331	152.9 / 114	23.2 / 88	10440/720	

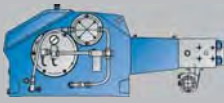
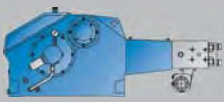
1mm = 0.03937 inch • 1 kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the Z-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi /bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
400 Z 	26	-	-	4.23	496	346.0 / 258	25.9 / 98	21750/1500
	26	-	3.60	-	500	348.7 / 260	26.2 / 99	21750/1500
	26	-	4.23	-	425	296.4 / 221	22.2 / 84	21750/1500
	26	2.96	-	-	506	352.7 / 263	26.4 / 100	21750/1500
	26	3.60	-	-	416	289.7 / 216	21.7 / 82	21750/1500
	26	4.23	-	-	354	246.7 / 184	18.5 / 70	21750/1500
	28	-	-	4.23	496	351.3 / 262	30.1 / 114	18850/1300
	28	-	3.60	-	500	354.0 / 264	30.4 / 115	18850/1300
	28	-	4.23	-	425	301.7 / 225	25.9 / 98	18850/1300
	28	2.96	-	-	506	358.0 / 267	30.6 / 116	18850/1300
	28	3.60	-	-	416	295.0 / 220	25.1 / 95	18850/1300
	28	4.23	-	-	354	250.8 / 187	21.4 / 81	18850/1300
	30	-	-	4.23	496	359.3 / 268	34.6 / 131	16675/1150
	30	-	3.60	-	500	362.1 / 270	34.9 / 132	16675/1150
	30	-	4.23	-	425	308.4 / 230	29.6 / 112	16675/1150
	30	2.96	-	-	506	367.4 / 274	34.9 / 132	16675/1150
	30	3.60	-	-	416	301.7 / 225	29.1 / 110	16675/1150
	30	4.23	-	-	354	256.1 / 191	24.6 / 93	16675/1150
	35	-	-	4.23	496	367.4 / 274	47.8 / 181	12325/850
	35	-	3.60	-	500	370.1 / 276	48.3 / 183	12325/850
	35	-	4.23	-	425	315.1 / 235	40.9 / 155	12325/850
	35	2.96	-	-	506	375.5 / 280	48.9 / 185	12325/850
	35	3.60	-	-	416	308.4 / 230	40.2 / 152	12325/850
	35	4.23	-	-	354	262.8 / 196	34.1 / 129	12325/850
45	-	-	4.23	496	363.4 / 271	81.1 / 307	7250/500	
45	-	3.60	-	500	366.1 / 273	81.4 / 308	7250/500	
45	-	4.23	-	425	312.5 / 233	69.5 / 263	7250/500	
45	2.96	-	-	506	371.5 / 277	82.7 / 313	7250/500	
45	3.60	-	-	416	305.7 / 228	67.9 / 257	7250/500	
45	4.23	-	-	354	260.2 / 194	57.9 / 219	7250/500	
50	-	-	4.23	496	360.7 / 269	100.1 / 379	5800/400	
50	-	3.60	-	500	363.4 / 271	100.9 / 382	5800/400	
50	-	4.23	-	425	309.8 / 231	85.9 / 325	5800/400	
50	2.96	-	-	506	368.8 / 275	102.2 / 387	5800/400	
50	3.60	-	-	416	303.1 / 226	84.0 / 318	5800/400	
50	4.23	-	-	354	257.5 / 192	71.3 / 270	5800/400	


1mm = 0.03937 inch • 1 kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the Z-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 <p>550 Z</p>	30	-	-	4.60	457	456.0 / 340	33.0 / 125	21750/1500
	30	-	3.96	-	455	454.6 / 339	33.0 / 125	21750/1500
	30	-	4.60	-	391	391.6 / 292	28.3 / 107	21750/1500
	30	3.30	-	-	455	454.6 / 339	33.0 / 125	21750/1500
	30	3.96	-	-	379	378.2 / 282	27.5 / 104	21750/1500
	30	4.60	-	-	326	325.9 / 243	23.5 / 89	21750/1500
	35	-	-	4.60	457	544.4 / 406	45.4 / 172	18850/1300
	35	-	3.96	-	455	541.8 / 404	45.4 / 172	18850/1300
	35	-	4.60	-	391	466.7 / 348	39.1 / 148	18850/1300
	35	3.30	-	-	455	541.8 / 404	45.4 / 172	18850/1300
	35	3.96	-	-	379	452.0 / 337	37.8 / 143	18850/1300
	35	4.60	-	-	326	388.9 / 290	32.5 / 123	18850/1300
	40	-	-	4.60	457	555.2 / 414	60.5 / 229	14500/1000
	40	-	3.96	-	455	552.5 / 412	60.2 / 228	14500/1000
	40	-	4.60	-	391	476.1 / 355	51.8 / 196	14500/1000
	40	3.30	-	-	455	552.5 / 412	60.2 / 228	14500/1000
	40	3.96	-	-	379	461.3 / 344	50.2 / 190	14500/1000
	40	4.60	-	-	326	397.0 / 296	43.1 / 163	14500/1000
	45	-	-	4.60	457	568.6 / 424	77.4 / 293	11600/800
	45	-	3.96	-	455	566.0 / 422	76.9 / 291	11600/800
	45	-	4.60	-	391	486.8 / 363	66.3 / 251	11600/800
	45	3.30	-	-	455	566.0 / 422	76.9 / 291	11600/800
	45	3.96	-	-	379	472.0 / 352	64.2 / 243	11600/800
	45	4.60	-	-	326	406.3 / 303	76.6 / 290	11600/800
50	-	-	4.60	457	574.0 / 428	96.2 / 364	9425/650	
50	-	3.96	-	455	572.6 / 427	95.6 / 362	9425/650	
50	-	4.60	-	391	492.1 / 367	82.4 / 312	9425/650	
50	3.30	-	-	455	572.6 / 427	95.6 / 362	9425/650	
50	3.96	-	-	379	476.1 / 355	79.8 / 302	9425/650	
50	4.60	-	-	326	410.3 / 306	68.7 / 260	9425/650	
 <p>700 Z</p>	30	-	-	3.96	530	529.7 / 395	38.3 / 145	21750/1500
	30	-	3.45	-	522	521.6 / 389	37.8 / 143	21750/1500
	30	3.30	-	-	455	454.6 / 339	33.0 / 125	21750/1500
	30	-	3.30	-	545	545.8 / 407	39.6 / 150	21750/1500
	35	-	-	3.96	530	633.0 / 472	52.8 / 200	18850/1300
	35	-	3.45	-	522	622.2 / 464	52.0 / 197	18850/1300
	35	3.30	-	-	455	541.8 / 404	45.4 / 172	18850/1300
	40	-	-	3.96	530	645.0 / 481	70.3 / 266	14500/1000
	40	-	3.45	-	522	634.3 / 473	68.9 / 261	14500/1000
	40	3.30	-	-	455	552.5 / 412	60.2 / 228	14500/1000
	45	-	-	3.96	530	659.8 / 492	89.8 / 340	11600/800
	45	-	3.45	-	522	649.0 / 484	88.2 / 334	11600/800
	45	3.30	-	-	455	566.0 / 422	76.9 / 291	11600/800
	50	-	-	3.96	530	667.8 / 498	111.7 / 423	9425/650
	50	-	3.45	-	522	657.1 / 490	109.9 / 416	9425/650
	50	3.30	-	-	455	572.6 / 427	95.6 / 362	9425/650

1mm = 0.03937 inch • 1 kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the Z-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
1000 Z 	30	-	-	4.23	496	954.8 / 712	69.2 / 262	21750/1500
	30	-	3.69	-	488	941.4 / 702	68.2 / 258	21750/1500
	30	-	4.23	-	425	816.7 / 609	59.2 / 224	21750/1500
	30	3.00	-	-	500	962.8 / 718	69.7 / 264	21750/1500
	30	3.69	-	-	406	780.5 / 582	56.5 / 214	21750/1500
	30	4.23	-	-	354	682.6 / 509	49.4 / 187	21750/1500
	35	-	-	4.23	496	954.8 / 712	94.3 / 357	15950/1100
	35	-	3.69	-	488	938.7 / 700	92.7 / 351	15950/1100
	35	-	4.23	-	425	818.0 / 610	80.8 / 306	15950/1100
	35	3.00	-	-	500	962.8 / 718	95.1 / 360	15950/1100
	35	3.69	-	-	406	780.5 / 582	77.1 / 292	15950/1100
	35	4.23	-	-	354	679.9 / 507	67.1 / 254	15950/1100
	40	-	-	4.23	496	962.8 / 718	123.1 / 466	12325/850
	40	-	3.69	-	488	946.7 / 706	121.0 / 458	12325/850
	40	-	4.23	-	425	824.7 / 615	105.4 / 399	12325/850
	40	3.00	-	-	500	970.9 / 724	124.2 / 470	12325/850
	40	3.69	-	-	406	787.2 / 587	100.6 / 381	12325/850
	40	4.23	-	-	354	686.6 / 512	87.7 / 332	12325/850
	45	-	-	4.23	496	1 020.5 / 761	158.5 / 600	10150/700
	45	-	3.69	-	488	1 005.8 / 750	156.1 / 591	10150/700
	45	-	4.23	-	425	874.3 / 652	135.8 / 514	10150/700
	45	3.00	-	-	500	1 029.9 / 768	159.8 / 605	10150/700
	45	3.69	-	-	406	835.4 / 623	129.7 / 491	10150/700
	45	4.23	-	-	354	728.2 / 543	113.1 / 428	10150/700

آتور صنعت
ATOORSANAT

Example of an available model



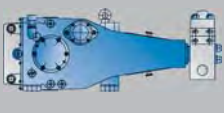
All illustrations are examples of available models only



Setup example:
Ultra-high pressure water jet system
with 1000 Z boxer pump

1mm = 0.03937 inch • 1 kW = 1.341 HP, 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the O2-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 <p>702</p>	20	-	-	-	1000	63.0 / 47	10.3 / 39	9425/650
	20	-	-	-	750	47.0 / 35	7.7 / 29	9425/650
	24	-	-	-	1000	64.4 / 48	15.3 / 58	6525/450
	24	-	-	-	750	49.6 / 37	11.4 / 43	6525/450
	26	-	-	-	1000	67.1 / 50	18.0 / 68	5800/400
	26	-	-	-	750	49.6 / 37	13.5 / 51	5800/400
	30	-	-	-	1000	67.1 / 50	24.0 / 91	4350/300
	30	-	-	-	750	49.6 / 37	18.0 / 68	4350/300
	35	-	-	-	1000	68.4 / 51	33.0 / 125	3190/220
	35	-	-	-	750	51.0 / 38	24.8 / 94	3190/220
	40	-	-	-	1000	68.4 / 51	43.6 / 165	2465/170
	40	-	-	-	750	51.0 / 38	32.5 / 123	2465/170
	45	-	-	-	1000	69.7 / 52	55.2 / 209	1960/135
	45	-	-	-	750	51.0 / 38	41.5 / 157	1960/135
 <p>1002</p> <p>Installation variations</p>	22	-	3.63	-	495	75.1 / 56	10.6 / 40	10875/750
	22	3.00	-	-	500	75.1 / 56	10.6 / 40	10875/750
	22	3.63	-	-	413	61.7 / 46	8.7 / 33	10875/750
	26	-	3.63	-	495	75.1 / 56	14.5 / 55	7975/550
	26	3.00	-	-	500	76.4 / 57	14.8 / 56	7975/550
	26	3.63	-	-	413	63.0 / 47	12.2 / 46	7975/550
	35	-	3.63	-	495	77.8 / 58	27.5 / 104	4350/300
	35	3.00	-	-	500	77.8 / 58	27.7 / 105	4350/300
	35	3.63	-	-	413	64.4 / 48	22.7 / 86	4350/300
	40	-	3.63	-	495	77.8 / 58	35.9 / 136	3335/230
	40	3.00	-	-	500	77.8 / 58	36.2 / 137	3335/230
	40	3.63	-	-	413	64.4 / 48	29.9 / 113	3335/230
	45	-	3.63	-	495	76.4 / 57	45.4 / 172	2610/180
	45	3.00	-	-	500	77.8 / 58	46.0 / 174	2610/180
45	3.63	-	-	413	64.4 / 48	37.8 / 143	2610/180	
 <p>1502</p> <p>Installation variations</p>	26	-	-	4.57	459	122.0 / 91	17.7 / 67	10875/750
	26	-	3.69	-	488	131.4 / 98	19.0 / 72	10875/750
	26	-	4.57	-	393	106.0 / 79	15.3 / 58	10875/750
	26	2.96	-	-	507	135.4 / 101	19.5 / 74	10875/750
	26	3.69	-	-	407	110.0 / 82	15.9 / 60	10875/750
	26	4.57	-	-	328	88.5 / 66	12.7 / 48	10875/750
	30	-	-	4.57	459	124.7 / 93	23.8 / 90	8195/565
	30	-	3.69	-	488	132.8 / 99	25.4 / 96	8195/565
	30	-	4.57	-	393	106.0 / 79	20.3 / 77	8195/565
	30	2.96	-	-	507	136.8 / 102	26.2 / 99	8195/565
	30	3.69	-	-	407	110.0 / 82	21.1 / 80	8195/565
	30	4.57	-	-	328	88.5 / 66	16.9 / 64	8195/565

1mm = 0.03937 inch • 1 kW = 1.341 HP, 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi



Features of the 02-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
	35	-	-	4.57	459	126.1 / 94	33.0 / 125	6020/415
	35	-	3.69	-	488	134.1 / 100	35.1 / 133	6020/415
	35	-	4.57	-	393	108.6 / 81	28.3 / 107	6020/415
	35	2.96	-	-	507	139.5 / 104	36.5 / 138	6020/415
	35	3.69	-	-	407	112.6 / 84	29.3 / 111	6020/415
	35	4.57	-	-	328	89.8 / 67	23.5 / 89	6020/415
	40	-	-	4.57	459	128.7 / 96	43.3 / 164	4640/320
	40	-	3.69	-	488	135.4 / 101	46.0 / 174	4640/320
	40	-	4.57	-	393	110.0 / 82	37.0 / 140	4640/320
	40	2.96	-	-	507	140.8 / 105	47.8 / 181	4640/320
	40	3.69	-	-	407	114.0 / 85	38.3 / 145	4640/320
	40	4.57	-	-	328	91.2 / 68	30.9 / 117	4640/320
	45	-	-	4.57	459	126.1 / 94	54.7 / 207	3625/250
	45	-	3.69	-	488	135.4 / 101	58.4 / 221	3625/250
	45	-	4.57	-	393	108.6 / 81	47.0 / 178	3625/250
	45	2.96	-	-	507	139.5 / 104	60.5 / 229	3625/250
	45	3.69	-	-	407	112.6 / 84	48.6 / 184	3625/250
	45	4.57	-	-	328	91.2 / 68	39.1 / 148	3625/250
1852	28	-	-	4.57	460	138.1 / 103	19.8 / 75	10875/750
	28	-	3.69	-	488	146.2 / 109	21.1 / 80	10875/750
	28	-	4.57	-	394	119.3 / 89	17.4 / 66	10875/750
	28	2.96	-	-	507	154.2 / 115	21.9 / 83	10875/750
	28	3.69	-	-	407	123.4 / 92	17.7 / 67	10875/750
	28	4.57	-	-	328	99.2 / 74	14.3 / 54	10875/750
	30	-	-	4.57	460	151.5 / 113	23.8 / 90	10150/700
	30	-	3.69	-	488	162.3 / 121	25.4 / 96	10150/700
	30	-	4.57	-	394	131.4 / 98	20.3 / 77	10150/700
	30	2.96	-	-	507	169.0 / 126	26.2 / 99	10150/700
	30	3.69	-	-	407	134.1 / 100	21.1 / 80	10150/700
	30	4.57	-	-	328	112.6 / 84	16.9 / 64	10150/700
	35	-	-	4.57	460	156.9 / 117	33.0 / 125	7540/520
	35	-	3.69	-	488	166.3 / 124	35.1 / 133	7540/520
	35	-	4.57	-	394	134.1 / 100	28.3 / 107	7540/520
	35	2.96	-	-	507	173.0 / 129	36.5 / 138	7540/520
	35	3.69	-	-	407	139.5 / 104	29.3 / 111	7540/520
	35	4.57	-	-	328	112.6 / 84	23.5 / 89	7540/520
	40	-	-	4.57	460	161.0 / 120	43.3 / 164	5800/400
	40	-	3.69	-	488	170.3 / 127	46.0 / 174	5800/400
	40	-	4.57	-	394	136.8 / 102	37.0 / 140	5800/400
	40	2.96	-	-	507	178.4 / 133	47.8 / 181	5800/400
	40	3.69	-	-	407	140.8 / 105	38.3 / 145	5800/400
	40	4.57	-	-	328	114.0 / 85	30.9 / 117	5800/400
	45	-	-	4.57	460	162.3 / 121	54.7 / 207	4640/320
	45	-	3.69	-	488	174.3 / 130	58.4 / 221	4640/320
	45	-	4.57	-	394	140.8 / 105	47.0 / 178	4640/320
	45	2.96	-	-	507	181.0 / 135	60.5 / 229	4640/320
	45	3.69	-	-	407	143.5 / 107	48.6 / 184	4640/320
	45	4.57	-	-	328	116.6 / 87	39.1 / 148	4640/320



1mm = 0.03937 inch • 1 kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the 02-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi /bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 2502	30	-	-	4.52	464	161.0 / 120	24.0 / 91	10875/750
	30	-	3.57	-	504	174.3 / 130	26.2 / 99	10875/750
	30	-	4.52	-	398	138.1 / 103	20.6 / 78	10875/750
	30	3.04	-	-	493	170.3 / 127	25.4 / 96	10875/750
	30	3.57	-	-	420	144.8 / 108	21.7 / 82	10875/750
	30	4.52	-	-	331	114.0 / 85	17.2 / 65	10875/750
 Installation variations	35	-	-	4.52	464	191.8 / 143	32.8 / 124	9425/650
	35	-	3.57	-	504	207.9 / 155	35.4 / 134	9425/650
	35	-	4.52	-	398	163.6 / 122	28.0 / 106	9425/650
	35	3.04	-	-	493	203.8 / 152	34.9 / 132	9425/650
	35	3.57	-	-	420	173.0 / 129	29.6 / 112	9425/650
	35	4.52	-	-	331	136.8 / 102	23.2 / 88	9425/650
	40	-	-	4.52	464	195.8 / 146	43.9 / 166	7250/500
	40	-	3.57	-	504	211.9 / 158	47.6 / 180	7250/500
	40	-	4.52	-	398	167.6 / 125	37.5 / 142	7250/500
	40	3.04	-	-	493	207.9 / 155	46.5 / 176	7250/500
	40	3.57	-	-	420	177.0 / 132	39.6 / 150	7250/500
	40	4.52	-	-	331	139.5 / 104	31.2 / 118	7250/500
	45	-	-	4.52	464	199.8 / 149	55.5 / 210	5800/400
	45	-	3.57	-	504	217.2 / 162	60.2 / 228	5800/400
	45	-	4.52	-	398	171.6 / 128	47.6 / 180	5800/400
	45	3.04	-	-	493	213.2 / 159	58.9 / 223	5800/400
	45	3.57	-	-	420	181.0 / 135	50.2 / 190	5800/400
	45	4.52	-	-	331	142.1 / 106	39.6 / 150	5800/400

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Example of an available model





All illustrations are examples of available models only



Setup example:
Ultra-high pressure water jet unit
with Ultra-high pressure pump 1502






1mm = 0.03937 inch • 1 kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the ARP®-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)	
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100					
	40	-	-	4.57	459	126.1 / 94	43.3 / 164	4640/320	
	40	-	3.69	-	487	134.1 / 100	46.0 / 174	4640/320	
	40	-	4.57	-	393	107.3 / 80	37.0 / 140	4640/320	
	40	2.96	-	-	506	139.5 / 104	47.8 / 181	4640/320	
	40	3.69	-	-	406	112.6 / 84	38.3 / 145	4640/320	
	40	4.57	-	-	328	89.9 / 67	30.9 / 117	4640/320	
	40	-	-	-	-	-	-	-	-
  Installation variations	45	-	-	4.57	459	127.4 / 95	54.7 / 207	3625/250	
	45	-	3.69	-	487	134.1 / 100	58.1 / 220	3625/250	
	45	-	4.57	-	393	108.6 / 81	47.0 / 178	3625/250	
	45	2.96	-	-	506	140.8 / 105	60.5 / 229	3625/250	
	45	3.69	-	-	406	112.6 / 84	48.3 / 183	3625/250	
	45	4.57	-	-	328	91.2 / 68	39.1 / 148	3625/250	
	50	-	-	4.57	459	124.7 / 93	67.6 / 256	2900/200	
	50	-	3.69	-	487	132.8 / 99	71.9 / 272	2900/200	
	50	-	4.57	-	393	107.3 / 80	57.9 / 219	2900/200	
	50	2.96	-	-	506	138.1 / 103	74.8 / 283	2900/200	
	50	3.69	-	-	406	111.3 / 83	60.0 / 227	2900/200	
	50	4.57	-	-	328	89.8 / 67	48.3 / 183	2900/200	
	55	-	-	4.57	459	128.7 / 96	81.9 / 310	2465/170	
	55	-	3.69	-	487	136.8 / 102	86.9 / 329	2465/170	
	55	-	4.57	-	393	110.0 / 82	70.0 / 265	2465/170	
	55	2.96	-	-	506	142.1 / 106	90.3 / 342	2465/170	
	55	3.69	-	-	406	114.0 / 85	72.4 / 274	2465/170	
	55	4.57	-	-	328	92.5 / 69	58.4 / 221	2465/170	
60	-	-	4.57	459	126.1 / 94	97.5 / 369	2030/140		
60	-	3.69	-	487	134.1 / 100	103.6 / 392	2030/140		
60	-	4.57	-	393	108.6 / 81	83.5 / 316	2030/140		
60	2.96	-	-	506	139.5 / 104	107.5 / 407	2030/140		
60	3.69	-	-	406	111.3 / 83	86.1 / 326	2030/140		
60	4.57	-	-	328	89.8 / 67	69.7 / 264	2030/140		
	40	-	-	4.57	460	144.8 / 108	41.7 / 158	5365/370	
	40	-	3.69	-	488	154.2 / 115	44.4 / 168	5365/370	
	40	-	4.57	-	394	124.7 / 93	35.9 / 136	5365/370	
	40	2.96	-	-	507	159.6 / 119	46.2 / 175	5365/370	
	40	3.69	-	-	407	128.7 / 96	37.0 / 140	5365/370	
	40	4.57	-	-	328	103.3 / 77	29.9 / 113	5365/370	
	45	-	-	4.57	460	159.6 / 119	53.1 / 201	4640/320	
	45	-	3.69	-	488	169.0 / 126	56.5 / 214	4640/320	
	45	-	4.57	-	394	136.8 / 102	45.7 / 173	4640/320	
	45	2.96	-	-	507	175.7 / 131	58.7 / 222	4640/320	
	45	3.69	-	-	407	140.8 / 105	47.0 / 178	4640/320	
	45	4.57	-	-	328	114.0 / 85	38.0 / 144	4640/320	
	45	-	-	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	-


1mm = 0.03937 inch • 1 kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the ARP®-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 	50	-	-	4.57	460	158.2 / 118	67.4 / 255	3625/250
	50	-	3.69	-	488	167.6 / 125	71.6 / 271	3625/250
	50	-	4.57	-	394	135.4 / 101	58.1 / 220	3625/250
	50	2.96	-	-	507	173.0 / 129	74.2 / 281	3625/250
	50	3.69	-	-	407	139.5 / 104	60.0 / 227	3625/250
	50	4.57	-	-	328	111.3 / 83	48.6 / 184	3625/250
	55	-	-	4.57	460	161.0 / 120	81.6 / 309	3045/210
	55	-	3.69	-	488	170.3 / 127	86.7 / 328	3045/210
	55	-	4.57	-	394	138.1 / 103	70.3 / 266	3045/210
	55	2.96	-	-	507	177.0 / 132	90.1 / 341	3045/210
	55	3.69	-	-	407	142.1 / 106	72.4 / 274	3045/210
	55	4.57	-	-	328	114.0 / 85	59.0 / 223	3045/210
	60	-	-	4.57	460	165.0 / 123	97.2 / 368	2610/180
	60	-	3.69	-	488	174.3 / 130	103.3 / 391	2610/180
	60	-	4.57	-	394	140.8 / 105	83.5 / 316	2610/180
	60	2.96	-	-	507	181.0 / 135	107.3 / 406	2610/180
	60	3.69	-	-	407	146.2 / 109	86.1 / 326	2610/180
	60	4.57	-	-	328	118.0 / 88	69.7 / 264	2610/180
	65	-	-	4.57	460	161.0 / 120	114.4 / 433	2175/150
	65	-	3.69	-	488	171.6 / 128	121.3 / 459	2175/150
	65	-	4.57	-	394	138.1 / 103	98.3 / 372	2175/150
	65	2.96	-	-	507	178.3 / 133	126.0 / 477	2175/150
	65	3.69	-	-	407	143.5 / 107	101.0 / 382	2175/150
	65	4.57	-	-	328	114.0 / 85	81.9 / 310	2175/150
	50	-	-	4.52	464	199.8 / 149	66.3 / 251	4640/320
	50	-	3.57	-	504	216.0 / 161	72.1 / 273	4640/320
	50	-	4.52	-	398	170.3 / 127	56.8 / 215	4640/320
	50	3.04	-	-	493	211.9 / 158	70.5 / 267	4640/320
	50	3.57	-	-	420	179.7 / 134	60.0 / 227	4640/320
	50	4.52	-	-	331	142.1 / 106	47.3 / 179	4640/320
	 	55	-	-	4.52	464	189.1 / 141	83.0 / 314
55		-	3.57	-	504	206.5 / 154	90.1 / 341	3625/250
55		-	4.52	-	398	162.3 / 121	71.1 / 269	3625/250
55		3.04	-	-	493	201.1 / 150	88.0 / 333	3625/250
55		3.57	-	-	420	171.2 / 128	75.0 / 284	3625/250
55		4.52	-	-	331	135.4 / 101	59.2 / 224	3625/250
60		-	-	4.52	464	225.3 / 168	98.5 / 373	3625/250
60		-	3.57	-	504	245.4 / 183	107.0 / 405	3625/250
60		-	4.52	-	398	193.1 / 144	84.5 / 320	3625/250
60		3.04	-	-	493	240.0 / 179	104.9 / 397	3625/250
60		3.57	-	-	420	203.8 / 152	89.3 / 338	3625/250
60		4.52	-	-	331	161.0 / 120	70.3 / 266	3625/250
65		-	-	4.52	464	224.0 / 167	115.7 / 438	3045/210
65		-	3.57	-	504	242.7 / 181	125.7 / 476	3045/210
65		-	4.52	-	398	191.8 / 143	99.3 / 376	3045/210
65		3.04	-	-	493	237.4 / 177	123.1 / 466	3045/210
65		3.57	-	-	420	202.5 / 151	104.9 / 397	3045/210
65	4.52	-	-	331	159.6 / 119	82.4 / 312	3045/210	


1mm = 0.03937 inch • 1kW = 1.341 HP; 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi

Features of the ARP®-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi / bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 <p>400 ARP®</p>	55	-	-	4.23	496	374.1 / 279	121.3 / 459	4930/340
	55	-	3.60	-	500	376.8 / 281	122.3 / 463	4930/340
	55	-	4.23	-	425	320.5 / 239	103.8 / 393	4930/340
	55	2.96	-	-	506	382.2 / 285	123.6 / 468	4930/340
	55	3.60	-	-	416	313.8 / 234	101.7 / 385	4930/340
	55	4.23	-	-	354	266.9 / 199	86.4 / 327	4930/340
	65	-	-	4.23	496	372.8 / 278	169.3 / 641	3480/240
	65	-	3.60	-	500	375.5 / 280	170.7 / 646	3480/240
	65	-	4.23	-	425	319.2 / 238	145.0 / 549	3480/240
	65	2.96	-	-	506	380.8 / 284	172.8 / 654	3480/240
	65	3.60	-	-	416	312.5 / 233	142.1 / 538	3480/240
	65	4.23	-	-	354	266.9 / 199	120.7 / 457	3480/240
	75	-	-	4.23	496	374.1 / 279	223.2 / 845	2610/180
	75	-	3.60	-	500	376.8 / 281	224.8 / 851	2610/180
	75	-	4.23	-	425	320.5 / 239	191.5 / 725	2610/180
	75	2.96	-	-	506	382.2 / 285	228.0 / 863	2610/180
	75	3.60	-	-	416	313.8 / 234	187.6 / 710	2610/180
	75	4.23	-	-	354	266.9 / 199	159.8 / 605	2610/180
 <p>550 ARP®</p>	65	-	-	4.60	456	606.1 / 452	161.1 / 610	5800/400
	65	-	3.96	-	454	603.5 / 450	160.6 / 608	5800/400
	65	-	4.60	-	391	519.0 / 387	138.2 / 523	5800/400
	65	3.30	-	-	454	603.5 / 450	160.6 / 608	5800/400
	65	3.96	-	-	378	502.9 / 375	133.7 / 506	5800/400
	65	4.60	-	-	326	433.1 / 323	115.2 / 436	5800/400
	70	-	-	4.60	456	584.7 / 436	188.4 / 713	4785/330
	70	-	3.96	-	454	582.0 / 434	187.6 / 710	4785/330
	70	-	4.60	-	391	500.2 / 373	161.4 / 611	4785/330
	70	3.30	-	-	454	582.0 / 434	187.6 / 710	4785/330
	70	3.96	-	-	378	484.1 / 361	156.4 / 592	4785/330
	70	4.60	-	-	326	417.1 / 311	134.5 / 509	4785/330
	75	-	-	4.60	456	591.4 / 441	217.2 / 822	4205/290
	75	-	3.96	-	454	588.7 / 439	216.4 / 819	4205/290
	75	-	4.60	-	391	506.9 / 378	186.2 / 705	4205/290
	75	3.30	-	-	454	588.7 / 439	216.4 / 819	4205/290
	75	3.96	-	-	378	490.9 / 366	180.2 / 682	4205/290
	75	4.60	-	-	326	422.4 / 315	155.1 / 587	4205/290
 <p>700 ARP®</p>	65	-	-	3.96	530	704.0 / 525	187.3 / 709	5800/400
	65	-	3.45	-	522	693.3 / 517	184.4 / 698	5800/400
	65	3.30	-	-	455	603.5 / 450	160.6 / 608	5800/400
	70	-	-	3.96	530	678.5 / 506	219.0 / 829	4785/330
	70	-	3.45	-	522	667.9 / 498	215.3 / 815	4785/330
	70	3.30	-	-	455	582.0 / 434	187.6 / 710	4785/330
	75	-	-	3.96	530	688.0 / 513	252.3 / 955	4205/290
	75	-	3.45	-	522	675.9 / 504	248.3 / 940	4205/290
	75	3.30	-	-	455	588.7 / 439	216.4 / 819	4205/290

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Features of the ARP®-series

	Plunger-diameter (mm)	Gear ratio			Crankshaft (rpm)	Required driving power (HP/kW)	Max. flow rate (USG pm/l/min)	Max. operating pressure (psi /bar)
		Pinion shaft (rpm) 1500	Pinion shaft (rpm) 1800	Pinion shaft (rpm) 2100				
 <p>1000 ARP®</p>	55	-	-	4.23	496	877.0 / 654	233.3 / 883	5800/400
	55	-	3.69	-	488	861.0 / 642	229.0 / 867	5800/400
	55	-	4.23	-	425	751.0 / 560	200.0 / 757	5800/400
	55	3.00	-	-	500	882.3 / 658	234.8 / 889	5800/400
	55	3.69	-	-	406	717.4 / 535	191.0 / 723	5800/400
	55	4.23	-	-	354	626.2 / 467	166.4 / 630	5800/400
	65	-	-	4.23	496	1017.8 / 759	328.1 / 1242	4785/330
	65	-	3.69	-	488	1000.4 / 746	322.3 / 1220	4785/330
	65	-	4.23	-	425	871.7 / 650	281.3 / 1065	4785/330
	65	3.00	-	-	500	1024.5 / 764	330.5 / 1251	4785/330
	65	3.69	-	-	406	832.8 / 621	268.7 / 1017	4785/330
	65	4.23	-	-	354	726.8 / 542	234.3 / 887	4785/330
	70	-	-	4.23	496	1024.5 / 764	382.3 / 1447	4135/285
	70	-	3.69	-	488	1005.8 / 750	375.7 / 1422	4135/285
	70	-	4.23	-	425	877.0 / 654	327.8 / 1241	4135/285
	70	3.00	-	-	500	1031.2 / 769	385.2 / 1458	4135/285
	70	3.69	-	-	406	838.1 / 625	313.0 / 1185	4135/285
	70	4.23	-	-	354	730.8 / 545	273.2 / 1034	4135/285
	75	-	-	4.23	496	1039.3 / 775	440.4 / 1667	3625/250
	75	-	3.69	-	488	1020.5 / 761	432.7 / 1638	3625/250
	75	-	4.23	-	425	890.4 / 664	377.5 / 1429	3625/250
75	3.00	-	-	500	1046.0 / 780	443.5 / 1679	3625/250	
75	3.69	-	-	406	850.2 / 634	360.6 / 1365	3625/250	
75	4.23	-	-	354	741.6 / 553	314.6 / 1191	3625/250	

آتور صنعت
ATOORSANAT

Example of an available model

All illustrations are examples of available models only



Setup example:
Ultra-high pressure water jet unit with TwinJet®
(2 x Ultra-high pressure pump ARP®)

1mm = 0.03937 inch • 1kW = 1.341 HP, 1 kW = 1.36 PS • 1 liter = 0.2641 US.liq.gal • 1 l/min. = 0.26417 USG pm = 0.22 IMPG pm • 1 USG pm = 3.785 liter/s • 1 bar = 14.503 psi