

## MJ progressive cavity pump parameter table

**MJ series S-type progressive cavity pump selection table**

Pump Model MJ	Max. allowable particle size mm	Standard speed n (r/min)	Working pressure P (bar)	Flow/water as the medium Q (m³/h)	Water medium axis power P (Kw)
S015-02-	2	0-12	200	0.10-0.02	0.14
			250	0.13-0.04	0.15
			315	0.16-0.08	0.16
			400	0.21-0.11	0.17
			500	0.26-0.15	0.19
			630	0.33-0.20	0.22
			795	0.41-0.27	0.26
			1000	0.52-0.38	0.34
S021-02-	3	0-12	200	0.29-0.11	0.16
			250	0.37-0.18	0.2
			315	0.47-0.28	0.26
			400	0.59-0.40	0.31
			500	0.74-0.54	0.37
			630	0.93-0.75	0.43
			795	1.17-0.95	0.55
S031-02-	4.5	0-12	160	0.72-0.3	0.48
			200	0.91-0.40	0.53
			250	1.15-0.55	0.55
			315	1.44-0.85	0.64
			400	1.82-1.25	0.75
			500	2.29-1.72	0.95
			630	2.88-2.33	1.25
S038-02-	7	0-12	160	1.96-0.30	0.9
			200	2.47-0.70	1.2
			250	3.11-1.60	1.5
			315	3.91-2.00	1.7
			400	4.92-2.95	2.1
			500	6.20-4.10	2.5
			630	7.80-5.80	3.2
S045-02-	8.5	0-12	125	2.61-0.90	1.3
			160	3.28-1.30	1.5
			200	4.13-2.10	1.9
			250	5.20-3.20	2.2
			315	6.55-4.40	2.7
			400	8.24-6.20	3.2
			500	103.8-8.10	4.1
S053-02-	10	0-12	125	4.65-0.80	1.7
			160	5.86-1.90	2.1
			200	7.37-3.60	2.7
			250	9.28-5.10	3.7
			315	11.68-6.80	4.4
			400	14.71-10.60	5.5
			500	18.52-14.00	7.5
S063-02-	17.5	0-12	100	6.23-0.00	2.5
			125	7.85-1.00	2.9
			160	9.90-3.00	3.3
			200	12.40-5.70	4.3
			250	15.70-8.30	5.5
			315	19.70-13.00	7.0
			400	24.80-17.50	9.2
S076-02-	15	0-12	100	10.50-1.00	4
			125	13.20-3.50	5
			160	16.60-6.00	6
			200	20.90-11.00	7.5
			250	26.30-16.00	9.5
			315	30.00-22.00	12
			400	41.60-30.00	16
S090-02-	18	0-12	80	13.91-4.00	5.5
			100	17.51-7.00	6
			125	22.04-11.00	7.5
			160	27.75-17.00	10
			200	34.93-24.50	13
			250	43.98-33.00	16
			315	55.37-43.00	20
S105-02-	21	0-12	80	23.37-6.00	8
			100	29.43-10.50	10
			125	37.04-18.00	13
			160	46.63-28.00	17
			200	58.71-40.00	21
			250	73.90-54.00	28
			315	93.05-70.00	35
S125-02-	25	0-12	63	31.20-5.00	11
			80	39.30-12.00	14
			100	49.50-22.00	17
			125	62.30-34.00	21
			160	78.50-53.00	28
			200	98.80-72.00	35
			250	124.30-96.00	44
S148-02-	29	0-12	63	52.30-15.00	17.5
			80	65.80-27.00	24
			100	82.90-44.00	30
			125	104.30-64.00	37
			160	131.30-93.00	43
			200	165.30-128.00	60
			250	208.10-168.00	75

**MJ series L-type progressive cavity pump selection table**

Pump Model MJ	Max. allowable particle size mm	Standard speed n (r/min)	Working pressure P (bar)	Flow/water as the medium Q (m³/h)	Water medium axis power P (Kw)
L015-01-	2	0-6	160	0.15-0.10	0.1
			200	0.19-0.14	0.1
			250	0.23-0.18	0.1
			315	0.29-0.25	0.12
			400	0.37-0.30	0.14
			500	0.47-0.38	0.16
			630	0.59-0.50	0.19
			795	0.74-0.64	0.25
L021-01-	3	0-6	160	0.44-0.30	0.25
			200	0.55-0.40	0.27
			250	0.69-0.60	0.29
			315	0.87-0.70	0.3
			400	1.10-1.00	0.35
			500	1.38-1.20	0.4
			630	1.74-1.50	0.5
			L031-01-	4.5	0-6
200	1.66-1.20	0.45			
250	2.10-1.60	0.5			
315	2.64-2.00	0.6			
400	3.32-2.80	0.75			
500	4.18-3.60	0.85			
630	5.23-4.50	1.1			
L038-01-	7	0-6			
			160	3.70-2.50	0.9
			200	4.65-3.20	1.05
			250	5.86-4.50	1.25
			315	7.38-5.60	1.5
			400	9.29-7.70	1.9
			500	11.7-10.00	2.75
			L045-01-	8.5	0-6
160	6.50-4.00	1.5			
200	8.19-7.00	1.8			
250	10.30-9.00	2.2			
315	13.00-11.50	2.7			
400	16.30-15.5	3.3			
500	20.6-18	4.4			
L053-01L-	10	0-6			
			125	9.22-6.00	1.9
			160	11.60-8.00	2.2
			200	14.60-11.00	2.8
			250	18.40-14.00	3.4
			315	23.20-18.00	4.5
			400	29.10-24.00	5.5
			L063-01-	12.5	0-6
125	15.60-10.00	2.7			
160	19.60-12.00	3.3			
200	24.60-18.50	4.3			
250	31.00-23.00	5.5			
315	39.10-31.00	7			
400	49.20-40.20	8.9			
L076-01-	15	0-6			
			100	20.70-14.00	4
			125	26.10-17.00	5
			160	32.80-25.00	6
			200	41.30-33.00	8
			250	52.00-42.00	10
			315	65.40-54.00	13
			L090-01-	18	0-6
100	35.10-22.00	7			
125	44.20-35.00	10			
160	55.60-40.00	12			
200	70.00-53.00	15			
250	88.20-70.00	20			
315	111.00-93.00	24			
L105-01-	21	0-6			
			80	43.80-33.00	9.5
			100	55.10-37.00	12
			125	69.30-50.00	15
			160	87.30-67.00	18
			200	109.90-93.00	23
			250	138.40-120.00	29
			L125-01-	25	0-6
80	77.50-62.00	13			
100	97.50-80.00	15			
125	122.80-100.00	23			
160	154.5-130.00	27			
200	194.050-170.00	35			
250	244.90-216.00	44			
L148-01-	29	0-6			
			80	130.00-93.00	16
			100	163.6-124.00	20
			125	206.0-162.00	27
			160	259.30-213.00	35
			200	326.5-280.00	45
			250	411.00-360.00	57

**Note:**

· The water medium flow rate in the table represents the theoretical flow rate at rated pressure, and the specific flow rate must be determined based on the actual working pressure and medium characteristics;  
 · The shaft power must be appropriately increased depending on the characteristics of the medium and the structural form of the pump;  
 · When using a prime mover, the power mode, reducer type, operating time, ambient temperature, etc. must be considered, and the capacity should be appropriately increased to 1.4 to 2 times the shaft power.