

The New Generation of SCHWING Sludge Pumps

Pump model	EKSP		KSP 5						KSP 10						
	EKSP	EKSP	KSP 5			KSP 5 R			KSP 10			KSP 10 R			
Version	10	17	KSP 5 V			KSP 5 RV			KSP 10 V			KSP 10 RV			
Drive	K	K	S	K	HD	S	K	HD	S	K	HD	S	K	HD	
Output (cub.m/hr)	max.	3	6	8	8	8	8	8	8	8	8	12	12	12	
	min.*	0.6	0.6	1.5	1	0.4	1.5*	1.0*	0.4*	2.5	1.5	0.8	2.5	1.5	0.8
	min			0.2	0.1	0.1	0.2**	0.1**	0.1**	0.3	0.2	0.2	0.3**	0.2**	0.2**
Delivery pressure [bar]	max	90	90	100	150	180	70	85	85	60	90	150	60	85	85
Length	approx. m	2.705	3.705	2.68	2.68	2.86	2.17	2.17	2.35	2.68	2.68	2.86	2.17	2.17	2.35
Width	approx. m	0.6	0.6	0.68	0.68	0.68	0.83	0.83	0.83	0.68	0.68	0.68	0.83	0.83	0.83
Height top of suction hole	approx. m	0.36	0.36	0.75	0.75	0.75	0.79	0.79	0.79	0.75	0.75	0.75	0.79	0.79	0.79
Weight	approx. kg	510	560	750	750	870	810	810	930	780	780	900	840	840	970
Pumping cylinder capacity	litres	8.8	17.6	10.4			10.4			17.6			17.6		
Pumping cylinder dia. x stroke	mm	150 x 500	150 x 1000	115 x 500						150 x 500					
Driving cylinder	mm	90	90	90	90	125	90	90	125	90	90	125	90	90	125

S = rod side
K = piston side
HD = HP version
R = Rock valve (patented transfer tube)

* = minimum depending on the admissible valve change-over time

** = with a valve change-over time of approx. 0.3 sec.

Other pumps without R with the SCHWING poppet valve control system

The New Generation of SCHWING Sludge Pumps

Pump model	KSP 12						KSP 17											
	KSP 12			KSP 12 R			KSP 17			KSP 17 R								
Version	KSP 12 V			KSP 12 RV			KSP 17V			KSP 17 RV								
Drive	S	K	HD	S	K	HD	S	K	HD	S	K	HD						
Output (cub.m/hr)	max.						20	20	20	20	20	20	25	25	25	25	25	25
	min.*						4	2	1.5	4*	2*	1.5*	2.5	1.5	0.8	2.5*	1.5*	0.8*
	min						0.3	0.2	0.2	0.3**	0.2**	0.2**	0.3	0.2	0.2	0.3**	0.2**	0.2**
Delivery pressure [bar]	max						40	60	120	40	60	85	60	90	150	60	85	85
Length	approx. m						2.68	2.68	2.86	2.17	2.17	2.35	3.76	3.76	3.92	3.35	3.35	3.48
Width	approx. m						0.68	0.68	0.68	0.83	0.83	0.83	0.68	0.68	0.68	0.83	0.83	0.83
Height top of suction hole	approx. m						0.75	0.75	0.75	0.79	0.79	0.79	0.75	0.75	0.75	0.79	0.79	0.79
Weight	approx. kg						800	800	920	860	860	990	850	850	975	945	945	1230
Pumping cylinder capacity	litres						25.4			25.4			35.2			35.2		
Pumping cylinder dia. x stroke	m m						180 x 500						150 x 1000					
Driving cylinder	m m						90	90	125	90	90	125	90	90	125	90	90	125

top

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The New Generation of SCHWING Sludge Pumps

Pump model	KSP 25						KSP 40					
	KSP 25			KSP 25 R			KSP 40			KSP 40 R		
	KSP 25V			KSP 25 RV			KSP 40V			KSP 40 RV		
Drive	S	K	HD	S	K	HD	S	K	-	S	K	
Output (cub.m/hr) max.	36	36	36	36	36	36	50	50		50	50	
min.*	4	2	1.5	4*	2*	1.5*	2	1.5		2*	1.5*	
min	0.5	0.4	0.4	1.5**	0.4**	0.4**	1	1		1.0**	1.0**	
Delivery pressure [bar] max	40	60	120	40	60	85	60	120		60	120	
Length approx. m	3.76	3.76	3.92	3.35	3.35	3.48	5.067	5.067		4.604	4.604	
Width approx. m	0.68	0.68	0.68	0.83	0.83	0.83	0.68	0.68		0.83	0.83	
Height of suction hole approx. m	0.75	0.75	0.75	0.79	0.79	0.79	0.75	0.75		0.79	0.79	
Weight approx. kg	900	900	1020	990	990	1275	1450	1450		1540	1540	
Pumping cylinder capacity litres	50.8			50.8			81.3			81.3		
Pumping cylinder dia. x stroke mm	180 x 1000						180 x 1600					
Driving cylinder mm	90	90	125	90	90	125	120	120		120	120	

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The New Generation of SCHWING Sludge Pumps

Pump model	KSP 50						KSP 80						KSP 220				
	KSP 50			KSP 50 R			KSP 80			KSP 80 R			KSP 220 V				
Version	KSP 50V			KSP 50 RV			KSP 80V			KSP 80 RV			KSP 220 RV				
Drive	S	K	HD	S	K	HD	S	K	HD	S	K	HD	S	HD			
Output (cub.m/hr)	max.	70	70	70	70	70	70	70	70	115	110	105	115	110	105	200	200
	min.*	5	4	2	5*	4*	2*	6	5	3	6*	5*	3*	8	5		
	min	1	1	1	1.0**	1.0**	1.0**	1.5	1.5	1.5	1.5**	1.5**	1.5**				
Delivery pressure [bar]	max	50	90	140	50	90	140	40	70	106	40	70	106	70	125		
Length	approx. m	4.42	5.42	5.46	4.64	4.64	4.76	6.24	6.24	6.23	5.56	5.56	5.54	9.600	9.6		
Width	approx. m	1	1	1	1.56	1.56	1.8	1	1	1	1.56	1.56	1.8	1.7	1.7		
Height top of suction hole	approx. m	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2		
Weight	approx. kg	2460	2460	2560	2295	2295	2385	2640	2640	2780	2470	2470	2560	5600	5600		
Pumping cylinder capacity	litres	100.6			100.6			166.2			166.2			438	438		
Pumping cylinder dia. x stroke	m m	200 x 1600						180 x 1000						300 x 3100			
Driving cylinder	m m	120	120	150	120	120	150	125	125	150	125	125	150	200	200		

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