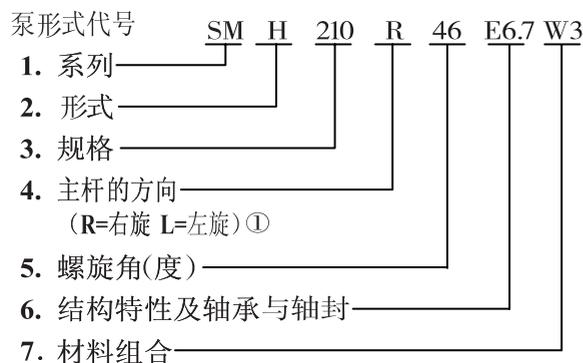




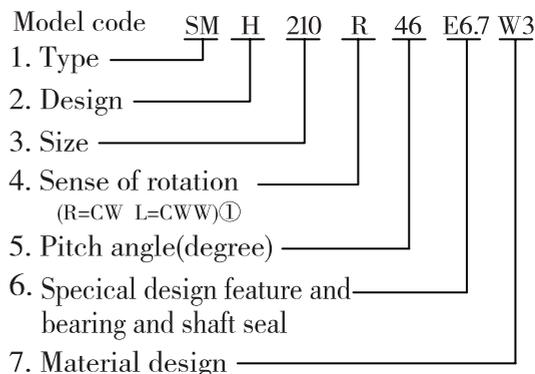
# SM 系列三螺杆泵

## Type Three-Spindle Screw Pump

### ● SM系列三螺杆泵的型式代号



### ● Model code of screw pump of SM series



①从驱动端看,若要求泵轴顺时针转动,则选R,逆时针转动,则选L。常规配置的都是R。

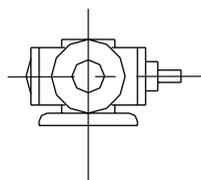
Watching on drive end, if clockwise is required, choose R. if counter clock wise is required choose L

#### 1. 系列

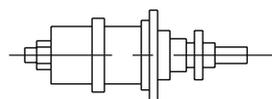
系列 Type	主要特征 Main characteristics	最大流量 Max.capacity (L/min)	规格范围 Sizes	最大排出压力 Max delivery (MPa)
SM	中压,单吸轴向力液压平衡 Middle pressure, single entry, spindles with hydr.balance of axial turust	2200	40~2200	10.0

#### 2. 型式

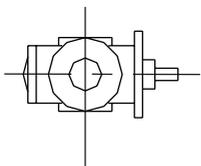
符号 Code	结构说明
H	卧式地脚安装泵 Horizontal foot mounted pump
F	法兰联接泵 Flange mounted pump
S	立式柱脚安装泵 Vertical pedestal mounting pump
E	泵转子组件,杆套插装泵 Carriage unit pump to be pushed in from drive side for H-pump



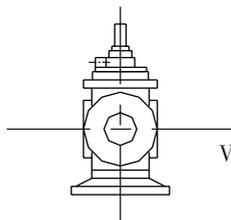
H=卧式底脚安装泵  
Foot mounted pump



E=插装式泵组  
Carriage unit pump



F=法兰安装式泵  
Flange mounted pump



S=立式柱脚泵  
Verical pedestal mounting pump



# SM 系列三螺杆泵

## Type Three-Spindle Screw Pump

### 订货应提供的数据

- 1) 介质工作温度T
- 2) 工作温度下介质的粘度V
- 3) 泵的进口压力（或真空度）P<sub>1</sub>
- 4) 泵的出口压力P<sub>2</sub>
- 5) 泵的工作流量
- 6) 泵的安装形式
- 7) 配套的要点

### 选泵要点

- 1、首先应根据油品的粘度选择适当的泵转速，以保证泵的NPSH<sub>r</sub>能满足用户的实际吸入条件。
- 2、介质粘度V>760mm<sup>2</sup>/时，请与我厂联系，我厂帮助用户选泵。
- 3、从性能表中选定泵的规格及相应粘度下的压力流量后，可以查到泵的轴功率N，选定配套电机功率N<sub>m</sub>时应用功率储备量。N<sub>m</sub>≥K\*N其值参见下表

N(kw)	N≤5	5<N≤50	10<N≤50	N<50
K	1.25	1.2	1.15	1.1

- 1) Temperature of the medium T
- 2) Viscosity of the medium at the temperature V
- 3) Pressure at suction (or suction vacuum)P<sub>1</sub>
- 4) Pressure at outlet P<sub>2</sub>
- 5) Delivery
- 6) Design of pump
- 7) Driving unit

### Notation of screw pump selection:

1. According to the medium viscosity, select the suitable rotation speed of pump, to guarantee the NPSH<sub>r</sub> of pump is suited to the suction state.
2. When the medium viscosity V>760mm<sup>2</sup>/s, please consult with us.
3. With the characteristic table you can get the power of the selected pump N the power of the motor is N<sub>m</sub>. N<sub>m</sub>≥K\*N

N(kw)	N≤5	5<N≤50	10<N≤50	N<50
K	1.25	1.2	1.15	1.1



# SM 系列三螺杆泵

## Type Three-Spindle Screw Pump

规格 size	转速 r/min	压力 pressure (Mpa)	3		6		12		20		40		75		150		380		760		
			流量 m <sup>3</sup> /h	轴功率 Kw																	
120-46	950	1	3.4	1.51	3.6	1.51	3.9	1.56	3.9	1.51	4	1.51	4	1.64	4.1	1.8	4.1	2.01	4.2	2.24	
		2	2.8	2.8	3.2	2.8	3.6	2.85	3.6	2.8	3.8	2.8	3.9	2.92	4	3.08	4.1	3.3	4.1	3.53	
		3	2.2	4.09	2.7	4.09	3.3	4.14	3.4	4.09	3.6	4.09	3.8	4.21	3.9	4.37	4	4.59	4	4.81	
		4					3	5.43	3.1	5.38	3.4	5.38	3.6	5.5	3.8	5.66	3.9	5.88	4	6.1	
		5							2.9	6.67	3.2	6.67	3.5	6.79	3.7	6.95	3.9	7.17	3.9	7.39	
		6										3.1	7.95	3.4	8.08	3.6	8.24	3.8	8.46	3.9	8.68
		7										2.9	9.24	3.3	9.37	3.5	9.53	3.7	9.74	3.9	9.97
		8												3.2	10.06	3.4	10.81	3.7	11.03	3.8	11.26
		9														3.3	12.1	3.6	12.32	3.8	12.55
		10														3.3	13.39	3.6	13.61	3.7	13.83
210-40	950	1	5	2.2	5.3	2.2	5.5	2.2	5.6	2.2	5.7	2.2	5.8	2.39	5.9	2.61	5.9	2.96	6	3.28	
		2	4.2	4.02	4.7	4.02	5	4.02	5.3	4.02	5.5	4.02	5.6	4.21	5.7	4.44	5.8	4.78	5.9	5.1	
		3	3.4	5.85	4.1	5.85	4.6	5.85	4.9	5.85	5.2	5.85	5.4	6.04	5.6	6.26	5.7	6.61	5.8	6.93	
		4					4.2	7.67	4.6	7.67	5	7.67	5.3	7.86	5.5	8.08	5.6	8.43	5.8	8.75	
		5					3.8	9.5	4.3	9.5	4.8	9.5	5.1	9.68	5.3	9.91	5.6	10.26	5.7	10.57	
		6							4	11.32	4.5	11.32	5	11.51	5.2	11.73	5.5	12.08	5.6	12.4	
		7							3.8	13.14	4.3	13.14	4.8	13.33	5.1	13.55	5.4	13.9	5.6	14.22	
		8								4.1	14.97	4.7	15.16	5	15.38	5.3	15.76	5.5	16.04		
		9											4.5	16.98	4.9	17.2	5.3	17.55	5.5	17.87	
		10											4.4	18.8	4.8	19.03	5.2	19.37	5.4	19.69	
210-46	950	1	6.3	2.67	6.7	2.67	6.9	2.67	7.1	2.67	7.2	2.67	7.3	2.86	7.4	3.08	7.5	3.43	7.5	3.75	
		2	5.3	4.96	6	4.96	6.3	4.96	6.6	4.96	6.9	4.96	7.1	5.15	7.2	5.38	7.3	5.72	7.4	6.04	
		3	4.4	7.26	5.3	7.26	5.8	7.26	6.2	7.26	6.6	7.26	6.9	7.45	7.1	7.67	7.2	8.02	7.3	8.33	
		4					5.3	9.55	5.9	9.55	6.3	9.55	6.7	9.74	6.9	9.96	7.1	10.31	7.2	10.63	
		5							5.5	11.84	6	11.84	6.5	12.03	6.8	12.26	7	12.6	7.2	12.92	
		6									5.8	14.14	6.3	14.33	6.6	14.55	6.9	14.9	7.1	15.21	
		7									5.5	16.43	6.1	16.62	6.5	16.84	6.8	17.19	7	17.51	
		8											5.9	18.91	6.4	19.13	6.6	19.48	6.9	19.8	
		9													6.2	21.43	6.7	21.78	6.9	22.09	
		10													6.1	23.72	6.6	24.07	6.8	24.39	
280-43	950	1	7.5	3.33	7.9	3.33	8.2	3.33	8.4	3.33	8.5	3.33	8.7	3.58	8.8	3.93	8.9	4.47	8.9	4.97	
		2	6.3	6.03	7	6.03	7.5	6.03	7.9	6.03	8.2	6.03	8.4	6.28	8.6	6.63	8.7	7.16	8.8	7.67	
		3	5.1	8.72	6.2	8.72	6.8	8.72	7.4	8.72	7.8	8.72	8.2	8.98	8.4	9.32	8.6	9.86	8.7	10.37	
		4					6.2	11.42	6.9	11.42	7.5	11.42	7.9	11.67	8.2	12.02	8.4	12.56	8.6	13.06	
		5					5.7	14.12	6.5	14.12	7.1	14.12	7.7	14.37	8	14.72	8.3	15.25	8.5	15.76	
		6							6.1	16.81	6.8	16.81	7.5	17.07	7.9	17.41	8.2	17.95	8.4	18.46	
		7									6.5	19.51	7.3	19.76	7.7	20.11	8.1	20.65	8.3	21.15	
		8											7	22.46	7.5	22.81	8	23.35	8.2	23.85	
		9												6.8	25.16	7.4	25.51	7.9	26.04	8.2	26.55
		10													7.2	28.2	7.8	28.74	8.1	29.25	
280-46	950	1	8.7	3.69	9.1	3.69	9.4	3.69	9.6	3.69	9.8	3.69	9.9	3.94	10	4.29	10.1	4.83	10.1	5.33	
		2	7.5	6.75	8.2	6.75	8.7	6.75	9.1	6.75	9.4	6.75	9.6	7	9.6	7.35	9.9	7.88	10	8.39	
		3	6.3	9.8	7.4	9.8	8.1	9.8	8.6	9.8	9	9.8	9.4	10.06	9.6	10.4	9.8	10.94	9.9	11.45	
		4					7.4	12.86	8.1	12.86	8.7	12.86	9.1	13.11	9.4	13.46	9.7	14	9.8	14.5	
		5							7.7	15.92	8.3	15.92	8.9	16.17	9.2	16.52	9.5	17.06	9.7	17.56	
		6								8	18.98	8.7	19.23	9.1	19.58	9.4	20.11	9.6	20.65	10	20.62
		7								7.7	22.03	8.5	22.29	8.9	22.63	9.3	23.17	9.5	23.68		
		8											8.2	25.34	8.7	25.69	9.2	26.23	9.5	26.73	
		9													8.6	28.75	9.1	29.29	9.4	29.79	
		10													8.4	31.81	9	32.34	9.3	32.85	
440-40	950	1	11	4.76	11.5	4.76	11.8	4.76	12	4.76	12.2	4.76	12.4	5.1	12.5	5.52	12.6	6.31	12.6	7.26	
		2	9.6	8.54	10.5	8.54	11	8.54	11.4	8.54	11.8	8.54	12.1	8.88	12.2	9.29	12.4	10.08	12.5	11.03	
		3	8.3	12.31	9.5	12.31	10.2	12.31	10.9	12.31	11.4	12.31	11.8	12.66	12	13.07	12.3	13.86	12.4	14.81	
		4					9.5	16.09	10.3	16.09	11	16.09	11.5	16.44	11.8	16.85	12.1	17.64	12.3	18.59	
		5					8.9	19.87	9.8	19.87	10.6	19.87	11.2	20.22	11.6	20.63	12	21.42	12.2	22.37	
		6							9.3	23.65	10.2	23.65	11	24	11.4	24.41	11.8	25.2	12.1	26.15	
		7							8.9	27.43	9.9	27.43	10.7	27.77	11.2	28.19	11.7	28.98	12	29.92	
		8								9.5	31.2	10.5	31.55	11	31.96	11.6	32.75	11.9	33.7		
		9									10.2	33.33	10.9	33.33	10.9	35.74	11.4	36.53	11.8	37.48	
		10											10	39.11	10.7	39.52	11.3	40.31	11.7	41.26	







# SM 系列三螺杆泵

## Type Three-Spindle Screw Pump

规格 size	转速 r/min	压力 pressure (Mpa)	3		6		12		20		40		75		150		380		760		
			流量 m <sup>3</sup> /h	轴功率 Kw																	
210-40	1450	1	8.2	3.66	8.5	3.66	8.6	3.66	8.8	3.66	8.9	3.66	9	4.1	9	4.62	9.1	5.43	9.1	6.17	
		2	7.4	6.45	7.9	6.45	8.2	6.45	8.4	6.45	8.6	6.45	8.8	6.89	8.9	7.41	9	8.22	9.1	8.96	
		3	6.6	9.23	7.3	9.23	7.7	9.23	8.1	9.23	8.4	9.23	8.6	9.67	8.8	10.19	8.9	11	9	11.74	
		4					7.3	12.01	7.8	12.01	8.2	12.01	8.5	12.45	8.6	12.97	8.8	13.78	8.9	14.52	
		5					6.9	14.8	7.5	14.8	7.9	14.8	8.3	15.24	8.5	15.76	8.7	16.57	8.9	17.31	
		6							7.2	17.58	7.7	17.58	8.2	18.02	8.4	18.54	8.7	19.35	8.8	20.09	
		7							6.9	20.36	7.5	20.36	8	20.8	8.3	21.32	8.6	22.13	8.8	22.87	
		8									7.3	23.15	7.9	23.59	8.2	24.11	8.5	24.92	8.7	25.66	
		9												7.7	26.37	8.1	26.89	8.4	27.7	8.6	28.44
		10												7.6	29.15	8	29.67	8.4	30.48	8.6	31.22
210-46	1450	1	10.3	4.38	10.7	4.38	10.9	4.38	11.1	4.38	11.2	4.38	11.3	4.82	11.4	5.34	11.4	6.15	11.5	6.89	
		2	9.3	7.88	10	7.88	10.3	7.88	10.6	7.88	10.9	7.88	11.1	8.32	11.2	8.84	11.3	9.65	11.4	10.39	
		3	8.4	11.38	9.3	11.38	9.8	11.38	10.2	11.38	10.6	11.38	10.9	11.82	11.1	12.34	11.2	13.15	11.3	13.89	
		4					9.3	14.88	9.9	14.88	10.3	14.88	10.7	15.32	10.9	15.84	11.1	16.65	11.2	17.39	
		5					8.8	18.38	9.5	18.38	10	18.38	10.5	18.82	10.7	19.34	11	20.15	11.2	20.89	
		6							9.2	21.88	9.8	21.88	10.3	22.32	10.6	22.84	10.9	23.65	11.1	24.39	
		7							8.8	25.38	9.5	25.38	10.1	25.82	10.5	26.34	10.8	27.15	11	27.89	
		8								9.3	28.8	9.9	29.32	10.4	29.84	10.8	30.65	10.9	31.39		
		9												9.8	32.82	10.2	33.34	10.7	34.15	10.9	34.89
		10												9.6	36.32	10.1	36.84	10.6	37.65	10.8	38.39
280-43	1450	1	12.3	5.59	12.7	5.59	12.9	5.59	13.1	5.59	13.3	5.59	13.4	6.18	13.5	6.99	13.6	8.24	13.6	9.42	
		2	11	9.7	11.8	9.7	11.6	9.7	12.6	9.7	12.9	9.7	13.2	10.29	13.3	11.1	13.5	12.35	13.5	13.53	
		3	9.9	13.82	11	13.82	11	13.82	12.1	13.82	12.5	13.82	12.9	14.41	13.1	15.22	13.3	16.47	13.4	17.65	
		4	8.8	17.94	10.2	17.94	10.4	17.94	11.7	17.94	12.2	17.94	12.7	18.53	12.9	19.34	13.2	20.59	13.3	21.77	
		5					9.8	22.05	11.2	22.05	11.9	22.05	12.4	22.64	12.8	23.45	13.1	24.7	13.3	25.88	
		6							10.8	26.17	11.6	26.17	12.2	26.76	12.6	27.57	13	28.82	13.2	30	
		7							10.4	30.29	11.2	30.29	12	30.88	12.4	31.69	12.8	32.94	13.1	34.12	
		8										10.9	34.4	11.8	34.99	12.3	35.8	12.7	37.05	13	38.23
		9										10.6	38.52	11.6	39.11	12.1	39.92	12.6	41.17	12.9	42.35
		10												11.4	43.23	12	44.04	12.5	45.29	12.8	46.47
280-46	1450	1	14.1	6.14	14.5	6.14	14.8	6.14	15	6.14	15.1	6.14	15.3	6.73	15.4	7.54	15.4	8.79	15.5	9.97	
		2	12.9	10.8	13.6	10.8	14.1	10.8	14.5	10.8	14.7	10.8	15	11.39	15.2	12.2	15.3	13.45	15.4	14.63	
		3	11.7	15.47	12.8	15.47	13.4	15.47	14	15.47	14.4	15.47	14.8	16.06	15	16.87	15.2	18.12	15.3	19.3	
		4					12.8	20.14	13.5	20.14	14	20.14	14.5	20.73	14.8	21.54	15	22.79	15.2	23.97	
		5					12.2	24.8	13.1	24.8	13.7	24.8	14.3	25.39	14.6	26.2	14.9	27.45	15.1	28.63	
		6							12.7	29.47	13.4	29.47	14.1	30.06	14.4	30.87	14.8	32.12	15	33.3	
		7							12.2	31.14	13.1	31.14	13.8	31.73	14.3	32.54	14.7	33.69	14.9	34.97	
		8										12.8	38.8	13.6	39.39	14.1	40.2	14.6	41.45	14.8	42.63
		9												13.4	44.06	14	44.87	14.5	46.12	14.8	47.3
		10												13.2	48.73	13.8	49.54	14.4	50.79	14.7	51.97
440-40	1450	1	17.7	8.05	18.2	8.05	18.5	8.05	18.8	8.05	19	8.05	19.1	8.86	19.2	9.82	19.4	12.2	19.5	13.87	
		2	16.3	13.81	17.2	13.81	17.7	13.81	18.2	13.81	18.5	13.81	18.8	14.62	19	15.58	19.3	17.96	19.4	19.63	
		3	15	19.58	16.2	19.58	17	19.58	17.6	19.58	18.1	19.58	18.5	20.39	18.8	21.35	19.1	23.73	19.2	25.4	
		4	13.7	25.35	15.3	25.35	16.3	25.35	17.1	25.35	17.7	25.35	18.2	26.16	18.5	27.12	19	29.5	19.1	31.17	
		5					15.6	31.11	16.1	31.11	17.3	31.11	18	31.92	18.3	32.88	18.8	35.26	18.9	36.93	
		6					14.9	36.88	16.1	36.88	17	36.88	17.7	37.69	18.1	38	18.7	41.03	18.8	42.7	
		7					14.3	42.65	15.6	42.65	16.6	42.65	17.5	43.46	18	45	18.6	46.8	18.7	48.47	
		8							15.1	48.41	16.2	48.41	17.2	49.22	17.8	50.89	18.4	52.56	18.6	54.23	
		9										15.9	54.18	17	54.99	17.6	56.66	18.3	58.33	18.5	60
		10										15.6	59.95	16.7	60.76	17.4	62.43	18.2	64.1	18.4	65.77
440-46	1450	1	22.8	9.65	23.4	9.65	23.7	9.65	24	9.65	24.2	9.65	24.4	10.46	24.6	11.42	24.7	13.26	24.8	15.47	
		2	21	17.01	22.1	17.01	22.7	17.01	23.3	17.01	23.7	17.01	24.1	17.82	24.3	18.78	24.5	20.62	24.6	22.83	
		3	19.4	24.38	21	24.38	21.8	24.38	22.6	24.38	23.2	24.38	23.7	25.19	24	26.15	24.3	27.99	24.4	30.2	
		4					21	31.75	22	31.75	22.7	31.75	23.4	32.56	23.7	33.52	24.1	35.36	24.3	37.57	
		5					20.1	39.11	21.3	39.11	22.2	39.11	23	39.92	23.5	40.88	23.9	42.72	24.2	44.93	
		6							20.7	46.48	21.8	46.48	22.7	47.29	23.2	48.25	23.8	50.09	24	52.3	
		7							20.2	53.85	21.4	53.85	22.4	54.66	23	55.62	23.6	57.46	23.9	59.67	
		8										20.9	61.21	22.1	62.06	22.8	62.98	23.4	64.82	23.8	67.03
		9												21.8	69.39	22.6	70.35	23.3	72.19	23.7	74.4
		10												21.5	76.76	22.3	77.72	23.1	79.56	23.6	81.77







# SM 系列三螺杆泵

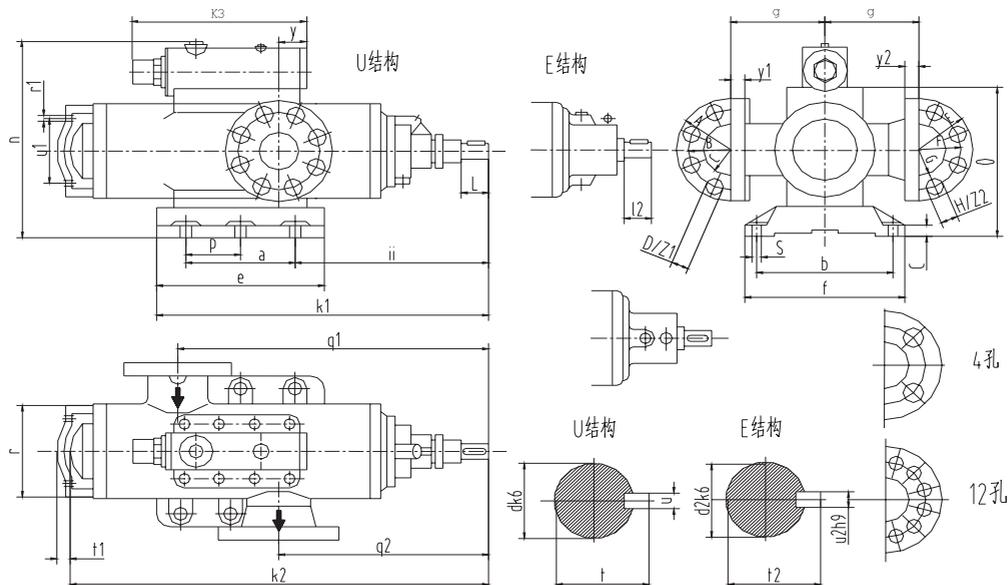
## Type Three-Spindle Screw Pump

规格 size	转速 r/min	压力 pressure (Mpa)	3		6		12		20		40		75		150		380		760			
			流量 m <sup>3</sup> /h	轴功率 Kw																		
210-46	2900	1	21.9	10.52	22.3	10.52	22.5	10.52	22.7	10.52	22.8	10.52	22.9	12.28	23	14.36	23	17.6	23.1	20.56		
		2	20.9	17.52	21.6	17.52	21.9	17.52	22.2	17.52	22.5	17.52	22.7	19.28	22.8	21.36	22.9	24.6	23	27.56		
		3	20	24.52	20.9	24.52	21.4	24.52	21.8	24.52	22.2	24.52	22.5	26.28	22.7	28.36	22.8	31.6	22.9	34.56		
		4	19.1	31.52	20.2	31.52	20.9	31.52	21.5	31.52	21.9	31.52	22.3	33.28	22.5	35.36	22.7	38.6	22.8	41.56		
		5	18.3	38.52	19.6	38.52	20.4	38.52	21.1	38.52	21.6	38.52	22.1	40.28	22.4	42.36	22.6	45.6	22.8	48.56		
		6							19.9	45.52	20.8	45.52	21.4	45.52	21.9	47.28	22.2	49.36	22.5	52.6	22.7	55.56
		7							19.5	52.52	20.4	52.52	21.1	52.52	21.7	54.28	22.1	56.36	22.4	59.6	22.6	62.56
		8							19	59.52	20.1	59.52	20.9	59.52	21.5	61.28	22	60.36	22.3	66.6	22.5	69.56
		9									19.8	66.52	20.8	66.52	21.4	68.28	21.8	70.36	22.3	73.6	22.5	76.56
		10											20.4	73.52	21.2	75.28	21.8	77.36	22.2	80.6	22.4	83.56
280-43	2900	1	26	14.11	26.5	14.11	26.7	14.11	26.9	14.11	27.1	14.11	27.2	16.47	27.3	19.71	27.4	24.71	27.4	29.43		
		2	24.8	22.35	25.6	22.35	26	22.35	26.4	22.35	26.7	22.35	27	24.71	27.1	27.95	27.2	32.95	27.3	37.67		
		3	23.7	30.58	24.8	30.58	25.4	30.58	25.9	30.58	26.3	30.58	26.7	32.94	26.9	36.18	27.1	41.18	27.2	45.9		
		4	22.6	38.81	24	38.81	24.8	38.81	25.5	38.81	26	38.81	26.5	41.17	26.7	44.41	27	49.41	27.1	54.13		
		5	21.6	47.05	23.2	47.05	24.2	47.05	25	47.05	25.7	47.05	26.2	49.41	26.6	52.65	26.9	57.65	27	62.37		
		6	20.6	55.28	22.5	55.28	23.6	55.28	24.6	55.28	25.3	55.28	26	57.64	26.4	60.88	26.7	65.88	27	70.6		
		7							23.1	63.51	24.2	63.51	25	63.51	25.8	65.87	26.2	69.11	26.6	74.11	26.9	78.83
		8							22.5	71.75	23.8	71.75	24.7	71.75	25.6	74.11	26.1	77.35	26.5	82.35	26.8	87.07
		9							22	79.98	23.4	79.98	24.7	79.98	25.4	82.34	25.9	85.58	26.4	90.58	26.7	95.3
		10									23	88.21	24.1	88.21	25.2	90.57	25.7	93.81	26.3	98.81	26.6	103.53
280-46	2900	1	29.7	15.21	30.1	15.21	30.4	15.21	30.6	15.21	30.8	15.21	30.9	17.57	31	20.81	31.1	25.81	31.1	30.53		
		2	28.5	24.55	29.3	24.55	29.7	24.55	30.1	24.55	30.4	24.55	30.6	26.91	30.8	30.15	30.9	35.15	31	39.87		
		3	27.4	33.88	28.4	33.88	29.1	33.88	29.6	33.88	30	33.88	30.4	36.24	30.6	39.48	30.8	44.48	30.9	49.2		
		4	26.3	43.21	27.7	43.21	28.5	43.21	29.1	43.21	29.7	43.21	30.1	45.57	30.4	48.81	30.7	53.81	30.8	58.53		
		5	25.2	52.55	26.9	52.55	27.9	52.55	28.7	52.55	29.3	52.55	29.9	54.91	30.2	58.15	30.5	63.15	30.7	67.87		
		6							27.3	61.88	28.7	61.88	29	61.88	29.7	64.24	30.1	67.48	30.4	72.48	30.6	77.2
		7							26.8	71.21	27.9	71.21	28.7	71.21	29.5	73.57	29.9	76.81	30.3	81.81	30.5	86.53
		8							26.2	80.55	27.5	80.55	28.4	80.55	29.3	82.91	29.7	86.15	30.2	91.15	30.5	95.87
		9									27.1	89.88	28.1	89.88	29	92.24	29.6	95.48	30.1	100.48	30.4	105.2
		10											27.8	99.21	28.8	101.57	29.4	104.81	30	109.81	30.3	114.63
440-40	2900	1	37.3	20.65	37.7	20.65	38	20.65	38.3	20.65	38.5	20.65	38.6	23.89	38.7	27.73	38.8	35.09	38.9	43.93		
		2	35.8	32.19	36.7	32.19	37.2	32.19	37.7	32.19	38	32.19	38	32.19	38.3	35.43	38.5	39.27	38.7	46.63	38.7	55.47
		3	34.5	43.72	35.8	43.72	36.5	43.72	37.1	43.72	37.6	43.72	38	46.96	38.3	50.8	38.5	58.16	38.6	67		
		4	33.3	55.25	34.9	55.25	35.8	55.25	36.6	55.25	37.2	55.25	37.7	58.49	38.1	62.33	38.4	69.69	38.5	78.53		
		5	32.1	66.79	34	66.79	35.1	66.79	36.1	66.79	36.8	66.79	37.5	70.03	37.9	73.87	38.2	81.23	38.4	90.07		
		6	30.9	78.32	33.1	78.32	34.5	78.32	35.6	78.32	36.5	78.32	37.2	81.56	37.7	85.4	38.1	92.76	38.3	101.6		
		7							33.8	89.85	35.1	89.85	36.1	89.85	37	93.09	37.5	96.93	37.9	104.29	38.2	113.13
		8							33.2	101.39	34.6	101.39	35.8	101.39	36.7	104.63	37.3	108.47	37.8	115.83	38.1	124.67
		9							32.6	112.92	34.2	112.92	35.4	112.92	36.5	116.16	37.1	120	37.7	127.36	38	136.2
		10							32	124.45	33.7	124.45	35.1	124.85	36.2	127.69	36.9	131.53	37.6	138.89	37.9	147.73
440-46	2900	1	47.7	23.85	48.3	23.85	48.6	23.85	48.9	23.85	49.2	23.85	49.4	27.09	49.5	30.93	49.6	38.29	49.7	47.13		
		2	46	38.59	47	38.59	47.7	38.59	48.2	38.59	48.6	38.59	49	41.83	49.2	45.67	49.4	53.03	49.5	61.87		
		3	44.3	53.32	45.9	53.32	46.8	53.32	47.5	53.32	48.1	53.32	48.6	56.56	48.9	60.4	49.2	67.76	49.4	76.6		
		4	42.8	68.05	44.8	68.05	45.9	68.05	46.9	68.05	47.6	68.05	48.3	71.29	48.7	75.13	49	82.49	49.2	91.33		
		5	41.4	82.79	43.7	82.79	45.1	82.79	46.3	82.79	47.2	82.79	48	86.03	48.4	89.87	48.9	97.23	49.1	106.07		
		6							44.3	97.52	45.7	97.52	46.7	97.52	47.6	100.76	48.2	104.6	48.7	111.96	49	120.8
		7							43.5	112.25	45.1	112.25	46.3	112.25	47.3	115.49	47.9	119.33	48.5	126.69	48.9	135.53
		8							42.7	126.99	44.5	126.99	45.9	126.99	47	130.23	47.7	134.07	48.4	141.43	48.7	150.27
		9									43.9	141.72	45.4	141.72	46.7	144.96	47.5	148.8	48.2	156.16	48.6	165
		10											45	156.45	46.4	159.69	47.3	163.53	48.1	170.89	48.5	179.73
660-40	2900	1	58.9	30.89	59.6	30.89	60	30.89	60.3	30.89	60.6	30.89	60.8	34.41	60.9	40.01	61.1	50.33	61.1	61.93		
		2	57	48.83	58.2	48.83	58.9	48.83	59.5	48.83	60	48.83	60.4	52.35	60.6	57.95	60.8	68.27	61	79.87		
		3	55.2	66.76	56.9	66.76	57.9	66.76	58.8	66.76	59.4	66.76	60	70.28	60.3	75.88	60.6	86.2	60.8	97.8		
		4	53.5	84.69	55.7	84.69	56.9	84.69	58	84.69	58.9	84.69	59.6	88.21	60	93.81	60.4	104.13	60.6	115.73		
		5	51.9	102.63	54.5	102.63	56	102.63	57.3	102.63	58.4	102.63	59.2	106.15	59.7	111.75	60.2	122.07	60.5	133.67		
		6	50.3	120.56	53.4	120.56	55.1	120.56	56.7	120.56	57.9	120.56	58.9	124.08	59.5	129.68	60.1	140	60.4	151.6		
		7							54.3	138.49	56	138.49	57.4	138.49	58.5	142.01	59.2	147.61	59.9	157.93	60.2	169.53
		8							53.4	156.43	55.4	156.43	56.9	156.43	58.2	159.95	59	165.55	59.7	175.87	60.1	187.47
		9							52.6	174.36	54.8	174.36	56.4	174.36	57.9	177.88	58.7	183.48	59.5	193.8	60	205.4
		10									54.1	192.29	56	192.29	57.5	195.81	58.5	201.41	59.4	211.73	59.8	223.33



# SM 系列三螺杆泵

## Type Three-Spindle Screw Pump



旋转方向：从轴端看为顺时针 Sense of rotation: clockwise seen from drive side

规格 Size	泵尺寸 Pump dimension																			E 结构 Design E				
	a	b	c	e	f	g	h	i	k <sub>1</sub>	k <sub>2</sub>	k <sub>3</sub>	n	o	p	q <sub>1</sub>	q <sub>2</sub>	r	s	v	n	d <sub>2</sub>	l <sub>2</sub>	u <sub>2</sub>	t <sub>2</sub>
40	140	180	15	190	210	110	118	215	380	464	172	272	204	—	315	250	130	14	45	293	19	30.5	6	21.5
80	140	190	18	210	225	125	140	286	461	560	278	331	248	—	431	301	156	18	25	332	24	56.5	8	27.0
120	140	190	18	210	225	140	150	325	500	613	278	351	268	—	460	360	185	18	45	352	28	54.0	8	31.0
210	140	190	18	210	225	155	160	355	530	716	278	371	288	—	500	380	205	18	35	372	32	53.5	10	35.0
280	205	300	30	280	350	195	190	368	610	775	413	436	334	102.5	550	400	220	18	72	450	38	65.0	10	41.0
440	205	300	30	280	350	200	200	435	677	876	413	456	354	102.5	640	440	245	18	45	470	42	65.0	12	45.0
660	205	300	30	280	350	200	215	508	750	1005	413	486	384	102.5	700	530	270	18	62	500	48	84.0	14	51.0
940	205	300	30	280	350	220	225	518	760	1123	413	506	404	102.5	730	500	294	18	22	520	50	79.0	14	53.0
1300	310	350	35	400	410	240	250	515	870	1225	528	555	462	155	790	550	360	23	62	637	55	107.0	16	59.0
1700	360	350	35	430	410	325	280	544	939	1406	428	675	475	360	949	669	355	26	70					
2200	360	350	35	430	420	330	280	650	1010	1580	428	680	480	820	1060	760	368	26	50	680	65	140	18	69

规格 Size	U 结构轴伸 Design U shaft end				入口法兰 Suction flange PN16						出口法兰 Design flange PN100					
	d	l	u	t	A	B	C	D	Y <sub>1</sub>	Z <sub>1</sub>	E	F	G	H	Y <sub>2</sub>	Z <sub>2</sub>
40	19	40	6	21.5	140	100	32	18	18	4	140	100	25	18	24	4
80	19	55	6	21.5	185	145	65	18	20	4	170	125	40	23	26	4
120	24	60	8	26.9	185	145	65	18	20	4	195	145	50	27	28	4
210	28	60	8	30.9	200	160	80	18	22	8	220	170	65	27	30	8
280	32	70	10	35.3	220	180	100	18	24	8	230	180	80	27	32	8
440	38	70	10	41.3	250	210	152	18	26	8	265	210	100	30	36	8
660	42	85	12	45.1	250	210	125	18	26	8	265	210	100	30	36	8
940	48	90	14	51.5	285	240	150	23	26	8	315	250	125	33	40	8
1300	50	110	14	53.5	285	240	150	23	26	8	315	250	125	33	40	8
1700	60	140	18	64	340	295	200	23	24	12	355	290	150	33	44	12



# SM 系列三螺杆泵

## Type Three-Spindle Screw Pump

泵、电机、底座配套表 Base motor and base plate table

电机规格 motor size	90S	90L	100L	112M	132S	132M	160M	160L	180M											
近似值 approx	285	310/315	380	400	475	515	600	645	670											
KWat 750r/min					2.2	3	4/5.5	7.5/11	-----											
KWat 1000r/min		0.75/1.1	1.5	2.2	3	4/5.5	7.5	11	-----											
KWat 1500r/min	0.55/0.75	1.1/1.5	2.2/3	4	5.5	7.5	11	15	18.5											
KWat 3000r/min	0.75/1.1	1.5/2.2	3	4	5.5/7.5	-----	11/15	18.5	22											
泵规格 Pump size	配套要求的底座规格号和法兰相对底脚螺栓位置 Required base plate size and dimension XH/XV																			
	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr
SMH40	15V	4	25V	5	25V	5	25V	5	10V	6	10V	6	5V	8.1	20V	9.1				
SMH80					30V	7.1	30V	7.1	30V	7.1	30V	7.1	20V	9.1	20V	9.1	25V	9.1		
SMH120							10H	7.1	10H	8.1	10H	8.1	20H	9.1	20V	10.1	20V	10.1		
SMH210							5H	7.1	5H	8.1	10H	9.1	30V	10.1	30V	10.1	30V	10.1		
SMH280													80V	10.1	80V	10.1	200V	11.1		
SMH440													190V	11.1	190V	10.1	190V	11.1		
SMH660																		200V	12.1	
SMH940																			230V	12.1
SMH1300																				
SMH1700																				

电机规格 motor size	180L	200L	225S	225M	250M	280S	280M	315S	315M	315L										
近似值 approx	710	775	820	815/845	930	1000	1050	1240/1370	1370/1410	1560/1450										
KWat 750r/min	11	15	18.5	20	30	37	45	55	75/90/110											
Kwat 1000r/min	15	18.5/22	-----	30	37	45	55	75	90/110/132											
KWat 1500r/min	22	30	37	45	55	75	90	110	132/160	185/200										
KWat 3000r/min		30/37	-----	45	55	75	90	110	132/160	185/200										
泵规格 Pump size	配套要求的底座规格号和法兰相对位置 Required base plate size and dimension XH/XV																			
	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr	X <sub>H</sub> /X <sub>V</sub>	Gr
SMH80	100V	10.1																		
SMH 120	20V	10.1	50V	10.1																
SMH 210	30V	10.1	140V	11.1	120V	11.1	120V	11.1												
SMH 280	180V	11.1	150V	11.1	140V	11.1	240V	11.1	225V	12.1	130V	12.3	230V	14.1						
SMH 440	170V	11.1	220V	12.1	200V	12.1	200V	12.1	255V	12.1	220V	14.1	220V	14.1						
SMH 660	180V	12.1	160V	12.1	140V	12.1	130V	12.1	200V	13.1	170V	14.1	140V	14.1	265V	16.3				
SMH 940	210V	12.1	190V	12.1	180V	12.1	270V	13.1	240V	13.1	210V	14.1	180V	14.1	300V	16.3	275V	16.3		
SMH1300			300V	13.1	280V	13.1	270V	13.1	240V	13.1	365V	16.3	340V	16.3	305V	16.3	280V	16.3		
SMH1700															320V	17.1	295V	17.1	270V	17.1
SMH2200									276V	16.3	238V	16.3	222V	16.3	279	17.1	253V	17.1	228	17.1

