

3 泵的性能参数见表2 Pump parameter See table 2

表2(Table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR50-32-125	2900	7.5	2.08	23	43	1.09	2.2	2	45
		12.5	3.47	20	51	1.33		2	
		15	4.17	18	49	1.50		2.5	
	1450	3.75	1.04	5.75	36	0.16	0.55	2	
		6.3	1.75	5	45	0.19		2	
		7.5	2.08	4.5	44	0.21		2.5	
IR50-32-125A	2900	6.8	1.89	18.8	40	0.87	1.5	2	
		11.3	3.14	16.4	50	1.01		2	
		13.6	3.78	14.7	47	1.16		2.5	
	1450	3.4	0.94	4.7	33.3	0.13	0.55	2	
		5.7	1.58	4.1	43	0.15		2	
		6.8	1.89	3.7	42	0.16		2.5	
IR50-32-160	2900	7.5	2.08	34.5	33	2.13	3	2	
		12.5	3.47	32	46	2.37		2	
		15	4.17	30	50	2.45		2.5	
	1450	3.75	1.04	8.6	29	0.3	0.55	2	
		6.3	1.75	8	40	0.34		2	
		7.5	2.08	7.5	43	0.36		2.5	
IR50-32-160A	2900	6.8	1.89	28.5	30	1.76	3	2	
		11.3	3.14	26.4	44	1.85		2	
		13.6	3.78	24.8	48	1.91		2.5	
	1450	3.4	0.94	7.1	25.9	0.25	0.55	2	
		5.7	1.58	6.6	37.1	0.28		2	
		6.8	1.89	6.2	41	0.28		2.5	
IR50-32-200	2900	7.5	2.08	51.8	28	3.78	5.5	2	
		12.5	3.47	50	39	4.36		2	
		15	4.17	48	43	4.56		2.5	
	1450	3.75	1.04	12.9	23	0.57	1.1	2	
		6.3	1.75	12.5	33	0.65		2	
		7.5	2.08	12	36	0.68		2.5	
IR50-32-200A	2900	6.8	1.89	42.7	25	3.16	4	2	
		11.3	3.14	41	38	3.24		2	
		13.6	3.78	39.5	41	3.57		2.5	
	1450	3.4	0.94	10.6	20	0.49	0.75	2	
		5.7	1.58	10.3	31	0.52		2	
		6.8	1.89	9.9	34	0.54		2.5	



续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR50-32-250	2900	7.5	2.08	82	23	7.28	11	2	92
		12.5	3.47	80	33	8.25		2	
		15	4.17	78.5	36.5	8.79		2.5	
	1450	3.75	1.04	20.5	17	1.23	2.2	2	
		6.3	1.75	20	27	1.27		2	
		7.5	2.08	19.6	31	1.29		2.5	
IR50-32-250A	2900	7	1.94	71.9	20	6.84	11	2	
		11.7	3.25	70	32	6.97		2	
		14	3.89	68.8	34	7.71		2.5	
	1450	3.51	0.98	18	15.4	1.12	1.5	2	
		5.9	1.64	17.5	25	1.25		2	
		7.02	1.95	17.2	27.9	1.18		2.5	
IR50-32-250B	2900	6.6	1.83	63.6	20	5.71	7.5	2	
		11	3.06	62	30	6.19		2	
		13.2	3.67	60.9	33	6.64		2.5	
IR65-50-125	2900	15	4.17	21.3	47	1.85	3	2	46
		25	6.94	20	62	2.2		2	
		30	8.33	18.6	63	2.41		2.5	
	1450	7.5	2.08	5.4	44	0.25	0.55	2	
		12.5	3.47	5	55	0.31		2	
		15	4.17	4.5	56	0.33		2.5	
IR65-50-125A	2900	13.6	3.78	17.6	44	1.48	2.2	2	
		22.7	6.31	16.5	61	1.67		2	
		27.3	7.58	15.4	59.9	1.91		2.5	
	1450	6.8	1.89	4.5	41	0.20	0.55	2	
		11.3	3.14	4.1	54	0.23		2	
		13.6	3.78	3.7	53	0.26		2.5	
IR65-50-160	2900	15	4.17	34.2	44	3.18	5.5	2	52
		25	6.94	32	57	3.82		2	
		30	8.33	30	59	4.15		2.5	
	1450	7.5	2.08	8.55	39	0.45	0.75	2	
		12.5	3.47	8	51	0.53		2	
		15	4.17	7.5	52.5	0.58		2.5	
IR65-50-160A	2900	13.6	3.78	28.4	41	2.56	4	2	
		22.7	6.31	26.5	56	2.93		2	
		27.3	7.58	24.8	56	3.29		2.5	
	1450	6.8	1.89	7.09	35.5	0.37	0.55	2	
		11.3	3.14	6.6	49.6	0.41		2	
		13.6	3.78	6.2	49.9	0.46		2.5	

续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR65-40-200	2900	15	4.17	53.2	41	5.3	11	2	62
		25	6.94	50	52	6.55		2	
		30	8.33	47.6	53.5	7.27		2.5	
	1450	7.5	2.08	13.3	35	0.78	1.5	2	
		12.5	3.47	12.5	46	0.93		2	
		15	4.17	11.9	47.5	1.02		2.5	
IR65-40-200A	2900	13.6	3.78	43.9	38	4.28	7.5	2	
		22.7	6.31	41	50	5.07		2	
		27.3	7.58	39.3	51	5.73		2.5	
	1450	6.8	1.89	11	31.8	0.64	1.1	2	
		11.3	3.14	10.3	44	0.72		2	
		13.6	3.78	9.8	44.8	0.81		2.5	
IR65-40-250	2900	15	4.17	81.2	34	9.76	15	2	
		25	6.94	80	46	11.84		2	
		30	8.33	78.4	50	12.8		2.5	
	1450	7.5	2.08	20.3	28	1.48	3	2	
		12.5	3.47	20	39	1.75		2	
		15	4.17	19.6	43	1.86		2.5	
IR65-40-250A	2900	14	3.89	74.8	31	9.21	15	2	
		23.4	6.5	71	45	10.1		2	
		28	7.78	68.6	47	11.13		2.5	
	1450	7	1.94	17.8	25	1.35	2.2	2	
		11.7	3.25	17.5	37.9	1.47		2	
		14	3.89	17.2	40	1.64		2.5	
IR65-40-250B	2900	13.2	3.67	62.8	31	7.29	11	2	
		22	6.11	61.8	44	8.42		2	
		26.4	7.33	53	45	8.45		2.5	
IR65-40-315	2900	15	4.17	126.8	28	18.51	30	2	
		25	6.94	125	39	21.8		2	
		30	8.33	124	42.5	23.85		2.5	
	1450	7.5	2.08	32.4	22	3.03	5.5	2	
		12.5	3.47	32	33	3.3		2	
		15	4.17	31.7	37	3.5		2.5	
IR65-40-315A	2900	14	3.89	111.2	25	16.97	22	2	
		23.4	6.5	109.5	38	18.36		2	
		28	7.78	108.8	40	20.75		2.5	
	1450	7	1.94	28.4	22	2.46	4	2	
		11.7	3.25	28	33	2.71		2	
		14	3.89	27.8	37	2.87		2.5	

续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR65-40-315B	2900	13.2	3.67	98	24	14.69	22	2	115
		22	6.11	96.5	37	15.63		2	
		26.4	7.33	95.9	39	17.67		2.5	
IR80-65-125	2900	30	8.33	23.2	60	3.16	5.5	3	51
		50	13.89	20	69	3.95		3	
		60	16.67	17.6	67	4.29		4	
	1450	15	4.17	5.8	54	0.44	0.75	2.5	
		25	6.94	5	64	0.53		2.5	
		30	8.33	4.4	62	0.58		3	
IR80-65-125A	2900	27.2	7.56	19.1	57	2.48	4	3	51
		45.3	12.58	16.5	67	3.04		3	
		54.4	15.11	14.5	64	3.36		4	
	1450	13.6	3.78	4.8	51	0.35	0.55	2.5	
		22.6	6.28	4.1	62	0.41		2.5	
		27.2	7.56	3.6	59	0.45		3	
IR80-65-160	2900	30	8.33	36	57	5.16	11	2	56
		50	13.89	32	67	6.51		2.3	
		60	16.67	28.4	65	7.14		3.3	
	1450	15	4.17	9	50	0.74	1.5	2	
		25	6.94	8	62	0.88		2.3	
		30	8.33	7.2	62	0.95		3.3	
IR80-65-160A	2900	27.2	7.56	29.7	54	4.08	7.5	2	56
		45.4	12.61	26.4	65	5.02		2.3	
		54.4	15.11	23.4	62	5.59		3.3	
	1450	13.6	3.78	7.4	47.3	0.58	1.1	2	
		22.7	6.31	6.6	60	0.68		2.3	
		27.2	7.56	5.9	59	0.74		3.3	
IR80-50-200	2900	30	8.33	55.2	53	8.51	15	2	64
		50	13.89	50	63	10.81		2.5	
		60	16.67	45.2	62	11.92		3.2	
	1450	15	4.17	13.5	44	1.25	2.2	2	
		25	6.94	12.5	57	1.49		2	
		30	8.33	11.5	58	1.62		2.5	
IR80-50-200A	2900	27.2	7.56	45.4	50	6.73	11	2	64
		45.3	12.58	41	61	8.29		2.5	
		54.4	15.11	37.2	59	9.35		3.2	

续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR80-50-200A	1450	13.6	3.78	11.1	41	1	2.2	2	64
		22.7	6.31	10.3	56.1	1.14		2	
		27.2	7.56	9.5	55	1.28		2.5	
IR80-50-250	2900	30	8.33	84	43	16	30	2	102
		50	13.89	80	53	20.57		2.5	
		60	16.67	75	54	22.71		3.2	
	1450	15	4.17	21	40	2.15	4	2	
		25	6.94	20	50	2.72		2	
		30	8.33	18.8	51	3.01		2.5	
IR80-50-250A	2900	27.2	7.56	69	42	12.18	22	2	102
		45.3	12.58	65.7	52	15.61		2.5	
		54.4	15.11	61.6	52	17.57		3.2	
	1450	13.6	3.78	17.3	40	1.6	3	2	
		22.7	6.31	16.4	49	2.07		2	
		27.2	7.56	15.4	50	2.28		2.5	
IR80-50-315	2900	30	8.33	128	38	27.54	45	2.5	110
		50	13.89	125	50	34.1		2.5	
		60	16.67	123	53	37.94		3	
	1450	15	4.17	32.5	37	3.59	7.5	2.5	
		25	6.94	32	48	4.54		2.5	
		30	8.33	31.5	52	4.94		3	
IR80-50-315A	2900	27.2	7.56	105	37	21	37	2.5	110
		45.3	12.58	102.6	48	26.4		2.5	
		54.4	15.11	101	50	29.94		3	
	1450	13.6	3.78	26.3	36	2.71	5.5	2.5	
		22.7	6.31	25.7	46	3.46		2.5	
		27.2	7.56	25.2	50	3.74		3	
IR100-80-125	2900	60	16.67	23.7	65	5.96	11	3	56
		100	27.78	20	73	7.47		4.2	
		120	33.33	16.3	69	7.72		4.8	
	1450	30	8.33	5.7	58	0.8	1.5	3	
		50	13.89	5	69	0.99		3.4	
		60	16.67	4.1	68	0.99		3.7	
IR100-80-125A	2900	55	15.28	19.4	62	4.68	7.5	3	56
		91.8	25.5	16.8	71	5.92		4.2	
		109	30.28	13.7	67	6.07		4.8	

续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR100-80-125A	1450	27.5	7.64	5	56	0.67	1.1	3	56
		45.9	12.75	4.2	67	0.78		3.4	
		54.5	15.13	3.4	65	0.78		3.7	
IR100-80-160	2900	60	16.67	37	60	10.1	15	3.8	86
		100	27.78	32	73	11.9		4.3	
		120	33.33	28	73	12.54		5	
	1450	30	8.33	9.25	58	1.3	2.2	3	
		50	13.89	8	69	1.58		3.4	
		60	16.67	7	68	1.68		3.7	
IR100-80-160A	2900	54.6	15.17	30.6	57	7.98	15	3.8	86
		91	25.28	26.5	71	9.25		4.3	
		109.2	30.33	23.2	70.4	9.85		5	
	1450	27.3	7.58	7.66	55.3	1.03	1.5	3	
		45.5	12.64	6.6	67	1.22		3.4	
		54.6	15.17	5.8	65.3	1.32		3.7	
IR100-65-200	2900	60	16.67	56	63	14.53	22	3.4	95
		100	27.78	50	72	18.92		3.9	
		120	33.33	44	71	20.26		5.2	
	1450	30	8.33	14	60	1.91	4	2.5	
		50	13.89	12.5	68	2.5		2.5	
		60	16.67	11	63	2.85		3	
IR100-65-200A	2900	54.6	15.17	46.5	60.1	11.51	18.5	3.4	95
		91	25.28	41.5	70	14.7		3.9	
		109.2	30.33	36.6	68	16		5.2	
	1450	27.3	7.58	11.6	57	1.51	3	2.5	
		45.5	12.64	10.3	66	1.93		2.5	
		54.6	15.17	9.1	60.1	2.25		3	
IR100-65-250	2900	60	16.67	88	57	25.24	37	3	114
		100	27.78	80	68	32.06		3.6	
		120	33.33	74	67	36.12		4.5	
	1450	30	8.33	22	50	3.63	5.5	2.5	
		50	13.89	20	63	4.33		2.5	
		60	16.67	18.5	64	4.73		3	
IR100-65-250A	2900	56.1	15.58	77	54	21.8	37	3	114
		93.5	25.97	70	65	27.44		3.6	
		112.2	31.17	64.7	64	30.91		4.5	



续表2(Following table 2)

型号 Model	流量Q Flow Rate		转速n Speed	扬程H Head	效率η Efficiency	功率Power(kW)		必需汽蚀余量 Net positive	泵重量 Weight(kg)
	(m ³ /h)	(L/S)				轴功率 Shaft power (kW)	电机功率 Motor power (kW)		
1450	28	7.789	19.2	47	3.19	2.5			
	45.5	12.64	17.1	61	3.33	2.5			
	76	21.26	16.2	69	4.76	3.5			
2900	32.5	9.02	19.2	47	3.19	2.5			
	57.8	16.09	17.1	61	2.81	3.5			
	104.5	29.33	16.2	69	7.23	4.5			
2900	60	16.67	17.1	48	41.96	2.8			
	120	33.33	11.9	64	54.94	3.7			
1450	30	8.33	19.2	47	6.29	2			
	50	13.89	17.1	58	7.52	2			
	60	16.67	16.2	64	8.31	2.5			
2900	36	10.0	19.2	47	59.2	2.8			
	93.5	25.92	17.1	61	45.54	3.5			
	119.2	33.17	16.2	61	32.15	4.5			
1450	28	7.789	29.3	41	5.46	2			
	46.7	12.92	28	56	6.33	2			
	66	18.56	26.7	57	7.15	2.5			
2900	32.5	9.02	19.2	47	33.9	2.8			
	88	24.44	17.1	61	32.57	3.5			
	165	45.83	16.2	61	43.54	4.5			
2900	120	33.33	61	62	29.33	4.5			
	200	55.56	50	75	33.33	4.5			
	240	66.67	41	70	38.4	5.8			
1450	60	16.67	16.2	64	3.89	2.5			
	109	27.78	12.5	73	4.66	2.9			
	120	33.33	10.25	66	5.08	3.6			
2900	169	46.94	50.5	64.9	23.13	4.5			
	182	50.56	41.4	75	25.38	5			
	218.2	60.61	34	67.11	30.13	5.8			
1450	53.7	15.19	12.6	61	3.08	2.5			
	91	25.28	10.3	71	3.6	2.9			
	109.4	30.39	8.5	63	4.02	3.6			
2900	120	33.33	90	62	47.48	3.7			
	200	55.56	80	75	58.13	4.5			
	240	66.67	73	74	64.52	5.5			

续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR125-100-250	1450	60	16.67	22.5	59	6.23	11	2	150
		100	27.78	20	72	7.56		2.3	
		120	33.33	18.25	71	8.4		3	
IR125-100-250A	2900	112	31.11	78	59	40.35	75	3.7	
		186.5	51.81	69.5	73	48.35		4.5	
		224	62.22	63.5	71	54.59		5.5	
	1450	56	15.56	19.5	56	5.31	11	2	
		93	25.83	17.4	70	6.29		2.3	
		112	31.11	15.9	68	7.13		3	
IR125-100-250B	2900	105.50	29.31	69	58	34.2	55	3.7	
		175.5	48.75	61.5	71	41.42		4.5	
		211	58.61	56	69.9	46.06		5.5	
IR125-100-315	2900	120	33.3	132.5	52.6	82.37	110	4	165
		200	55.6	125	72	94.62		4.5	
		240	66.7	120	75	104.64		5	
	1450	60	16.7	33.5	53	10.33	22	2.5	
		100	27.8	32	65	13.42		2.5	
		120	33.3	30.5	66	15.11		3	
IR125-100-315A	2900	112	31.1	115.2	52	67.63	90	4	165
		186.5	51.81	108.7	71	77.81		4.5	
		224	62.22	104.3	72	88.42		5	
	1450	56	15.56	28.8	52	8.45	15	2.5	
		93	25.83	27.2	64	10.77		2.5	
		112	31.11	26.1	65	12.25		3	
IR125-100-400	1450	60	16.67	52	48	17.71	30	2.5	210
		100	27.78	50	55	24.77		2.5	
		120	33.33	48.5	62	25.58		3	
IR125-100-400A	1450	56	15.56	45	43	15.97	30	2.5	
		93	25.83	43.2	54	20.27		2.5	
		112	31.11	41.9	60	21.31		3	
IR150-125-250	1450	120	33.33	24.8	66	12.29	18.5	2.5	164
		200	55.56	20	77	14.16		2.8	
		240	66.67	15	68	14.43		3.5	
IR150-125-250A	1450	109.1	30.28	20.5	62.5	9.75	15	2.5	
		182	50.56	16.5	75	10.91		2.8	
		218.2	60.61	12.4	65.2	11.31		3.5	

续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率 η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR150-125-315	1450	120	33.33	36.3	63	18.84	30	2.5	
		200	55.56	32	75	23.25		2.8	
		240	66.67	28.5	72	25.89		3.8	
IR150-125-315A	1450	109.1	30.28	30	60	14.85	22	2.5	195
		182	50.56	25.5	73	17.32		2.8	
		218.2	60.61	23.5	69	20.23		3.8	
IR150-125-315B	1450	99	27.5	24.7	59	11.29	18.5	2.5	
		165	45.83	22	72	13.74		2.8	
		198	55	19.4	69	15.17		3.8	
IR150-125-400	1450	120	33.33	57.5	61	30.82	55	2	
		200	55.56	50	70	38.93		2.5	
		240	66.67	44	63	45.68		3	
IR150-125-400A	1450	109.1	30.28	47.5	58	24.35	37	2	237
		182	50.56	41	68	29.94		2.5	
		218.2	60.61	36.5	60	36.17		3	
IR150-125-400B	1450	99	27.5	39.1	57	18.51	30	2	
		165	45.83	34	67	22.82		2.5	
		198	55	29.9	58	27.81		3	
IR200-150-250	1450	240	66.67	23	70	21.49	37	2.5	194
		400	111.11	20	79	27.59		2.8	
		460	127.78	18	80	28.2		3	
IR200-150-250A	1450	218.2	60.61	18.9	67	16.77	30	2.5	
		363	100.83	16.5	79	20.66		2.8	
		418	116.1	14.8	78	21.61		3	
IR200-150-315	1450	240	66.67	35.6	67	34.75	55	3	
		400	111.11	32	79	44.15		3.5	
		460	127.78	29.4	77	47.86		4	
IR200-150-315A	1450	218.2	60.61	29.4	64	27.31	45	3	268
		363	100.84	25.5	77	32.76		3.5	
		418	116.11	24.3	74	37.4		4	
IR200-150-315B	1450	197.7	54.92	24.1	63	20.61	37	3	
		329	91.39	21.6	76	25.48		3.5	
		378.8	105.22	19.7	73	27.86		4	
IR200-150-400	1450	240	66.67	55.8	67	54.47	90	3	289
		400	111.11	50	78	69.87		3.5	
		460	127.78	47	75	78.55		4	

续表2(Following table 2)

型号 Model	转速n Speed Rotational (r/min)	流量Q Flow Rate		扬程H Total Head (m)	效率η Efficiency (%)	功率Power(kW)		必需汽蚀余量 Net positive suction head (NPSH)r(m)	泵重量 Pump Weight(kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IR200-150-400A	1450	218.2	60.61	46	64	42.74	75	3	289
		363	100.83	41	76	53.36		3.5	
		418	116.11	38.8	72	61.38		4	
IR200-150-400B	1450	197.7	54.92	37.7	63	32.24	55	3	
		329	91.39	33.8	75	40.4		3.5	
		378.8	105.22	31.8	71	46.23		4	

注：上表所列的轴功率是按介质为水配的功率，可根据用户输送介质的重度和粘度不同，配用不同功率的电机。

Note: The shaft power listed on above table is the power with water as medium. Electric machine of different power may be adopted according to the media of different weight and viscosity delivered by users.

4 泵的型谱图见图2 Pump performance diagram See fig.2

图2(Fig.2)

