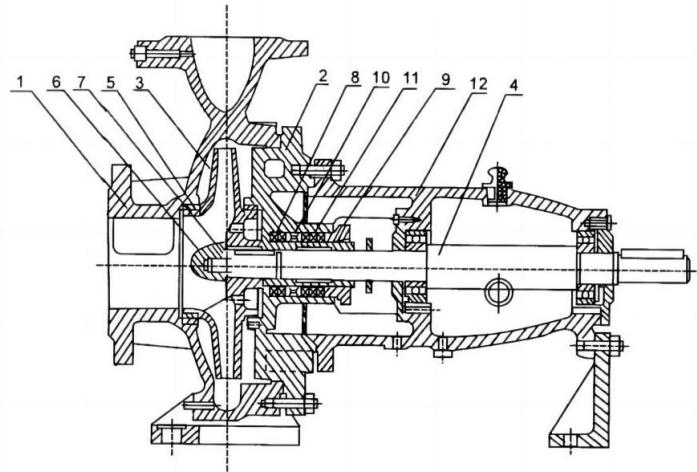


performance parameters

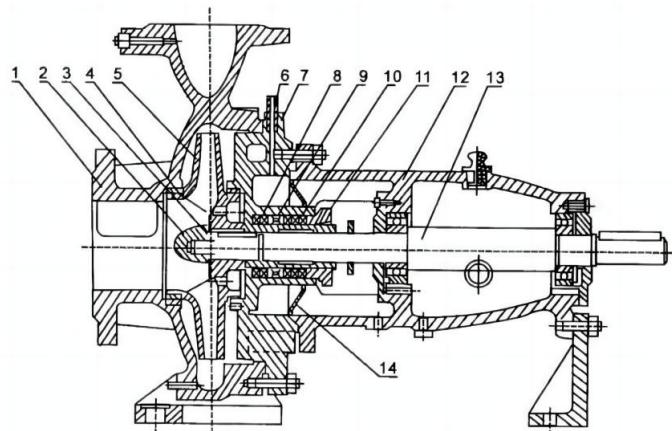
1. IS(R) pump series spectrum (see Figure 1)

2. Rated performance parameter table (see Table 1)



Structure diagram of IS pump (Fig. 2)

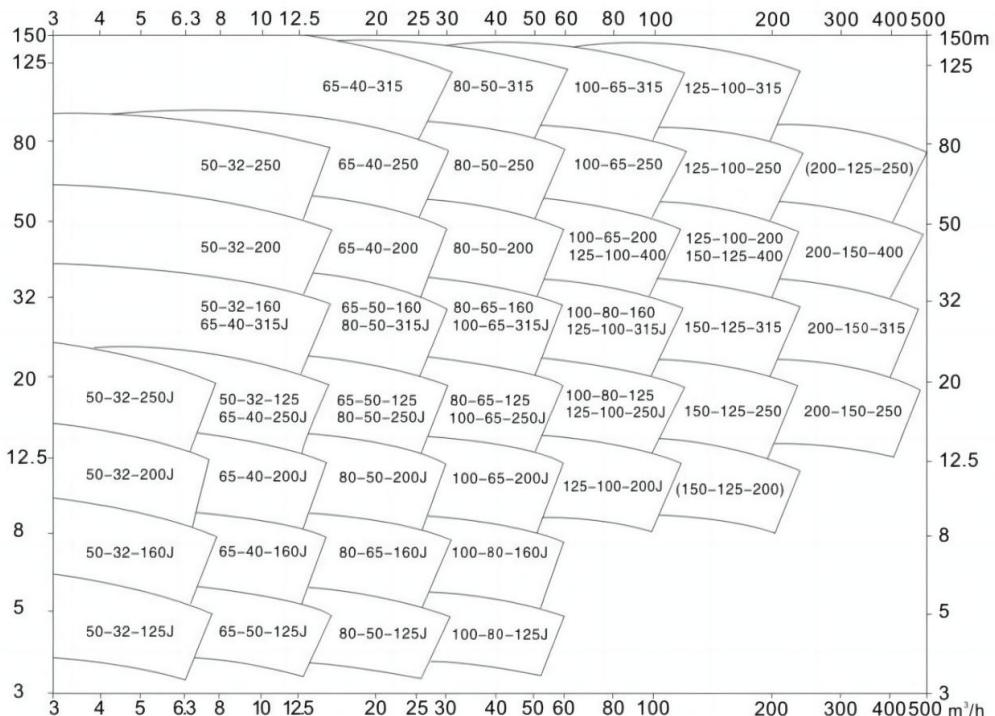
1. Pump body 2, pump cover 3, impeller 4, shaft 5, seal ring 6, impeller nut 7, brake washer 8, shaft sleeve 9, packing gland 10, packing ring 11, packing 12, suspension bearing parts



ISR pump structure diagram (Figure 3)

1. Pump body 2, impeller nut 3, stop washer 4, sealing ring 5, impeller 6, water cooling pipe joint 7, pump cover 8, shaft sleeve 9, packing ring 10, packing 11, packing cover 12, suspension bearing parts 13. Shaft 14. Ring cover of water cooling chamber

IS(R) Pump Selection Diagram (Table) (Figure 1)



(Table 1): Main performance parameters of IS(R) pump

pump model	Rotating speed r/min	flow		lift m	efficiency %	power		Necessary NPSH m	weight kg
		m³/h	L/S			Shaft power KW	Motor Power KW		
IS(R) 50-32-125	2900	7.5	2.08	22	47	0.96	2.2	2.0	
		12.5	3.47	20	60	1.13		2.0	
		15	4.17	18.5	60	1.26		2.5	
IS(R) 50-32-125A		11.2	3.11	16	60	1.18	1.5	2.0	
IS(R) 50-32-125J	1450	6.3	1.74	5.0	54	0.16	0.55	2.0	
IS(R) 50-32-125JA		5.6	1.56	4.0	55	1.10		2.5	
IS(R) 50-32-160	2900	7.5	2.08	34.3	44	1.59	3	2.0	
		12.5	3.47	32	54	2.02		2.0	
		15	4.17	29.6	56	2.16		2.5	
IS(R) 50-32-160A		11.7	3.25	28	54	1.65	2.2	2.0	
IS(R) 50-32-160B		10.8	3.01	24	54	1.32		2.0	
IS(R) 50-32-160J	1450	6.3	1.74	8.0	48	0.29	0.55	2.0	
IS(R) 50-32-160JA		5.9	1.64	7.0	48	0.21		2.0	
IS(R) 50-32-160JB		5.4	1.5	6.0	47	0.165		2.5	
IS(R) 50-32-200	2900	7.5	2.08	52.5	38	2.82	5.5	2.0	
		12.5	3.47	50	48	3.54		2.0	
		15	4.17	48	51	3.95		2.5	
IS(R) 50-32-200A		11.85	3.25	45	48	3.07	4	2.0	
IS(R) 50-32-200B	1450	11.18	3.08	40	48	2.54	3	2.0	
IS(R) 50-32-200C		10.63	2.95	36	48	2.17		2.5	
IS(R) 50-32-200J		6.3	1.74	12.5	42	0.51	0.75	2.0	
IS(R) 50-32-200JA	1450	5.9	1.64	11	43	0.36	0.55	2.0	
IS(R) 50-32-200JB		5.4	1.5	9.5	41	0.56		2.5	
IS(R) 50-32-250	2900	7.5	20.8	82	28.5	5.87	11	2.0	
		12.5	3.47	80	38	7.16		2.0	
		15	4.17	78.5	41	7.38		2.5	
IS(R) 50-32-250A		12.1	3.36	75	38	6.49	7.5	2.0	
IS(R) 50-32-250B	1450	11.7	2.25	70	38	5.87		2.0	
IS(R) 50-32-250C		11.6	3.12	65	38	5.2	5.5	2.0	
IS(R) 50-32-250D		10.8	3.01	60	38	4.62		2.0	
IS(R) 50-32-250E	1450	10.3	2.88	55	38	4.09	5.5	2.0	
IS(R) 50-32-250J		6.3	1.74	20	32	1.07		2.0	
IS(R) 50-32-250JA		5.9	16.4	17.5	32	0.91	1.1	2.0	
IS(R) 50-32-250JB		5.4	1.5	15	35	1.14	0.75	2.5	

(Table 1): Main performance parameters of IS(R) pump

pump model	Rotating speed r/min	flow		lift m	efficiency %	power		Necessary NPSH m	weight kg
		m³/h	L/S			Shaft power kW	Motor Power kW		
IS(R) 65-50-125	2900	15	4.17	21.8	58	1.54		2.0	
		25	6.94	20	69	1.97	3.0	2.5	
		30	8.3	18.5	68	2.22		3.0	
		22.4	6.22	16	69	1.41	2.2	2.5	
IS(R) 65-50-125J	1450	12.5	3.47	5.0	64	0.27		2.0	
IS(R) 65-50-125JA		11.2	3.11	4.0	65	0.17	0.55	2.5	
IS(R) 65-50-160	2900	15	4.17	35	54	2.65		2.0	
		25	6.94	32	65	3.35	5.5	2.0	
		30	8.33	30	66	3.71		2.5	
IS(R) 65-50-160A		23.4	6.5	28	65	2.75	4	2.0	
IS(R) 65-50-160B		21.7	6.03	24	65	2.18	3	2.0	
IS(R) 65-50-160J	1450	12.5	3.47	8.0	60	0.45	0.75	2.0	
IS(R) 65-50-160JA		11.7	3.25	7.0	60	0.34		2.0	
IS(R) 65-50-160JB		10.8	3.01	6.0	60	0.27	0.55	2.5	
IS(R) 65-40-200	2900	15	4.17	53	49	4.42		2.0	
		25	6.94	50	60	5.67	7.5	2.0	
		30	8.33	47	61	6.29		2.5	
IS(R) 65-40-200A		23.7	6.58	45	60	4.83	5.5	2.0	
IS(R) 65-40-200B		22.3	6.2	40	60	4.05		2.0	
IS(R) 65-40-200C		21.2	5.9	36	60	3.48	4	2.0	
IS(R) 65-40-200J	1450	12.5	3.47	12.5	55	0.77	1.1	2.0	
IS(R) 65-40-200JA		11.7	3.25	11	55	0.58		2.0	
IS(R) 65-40-200JB		10.8	3.01	9.5	54	0.47	0.75	2.5	
IS(R) 65-40-250	2900	15	4.17	82	37	9.05		2.0	
		25	6.94	80	50	10.86	15	2.0	
		30	8.38	78	53	12.02		2.5	
IS(R) 65-40-250A		24.2	6.72	75	50	8.87		2.0	
IS(R) 65-40-250B		23.4	6.5	70	50	8.42	11	2.0	
IS(R) 65-40-250C		22.5	6.26	65	50	8.00		2.0	
IS(R) 65-40-250D		21.7	6.03	60	50	6.96	7.5	2.0	
IS(R) 65-40-250E		20.75	5.76	55	50	6.22		2.0	
IS(R) 50-32-250J	1450	12.5	3.47	20	46	1.48	2.2	2.0	
IS(R) 65-40-250JA		11.7	3.25	17.5	48	1.05	1.5	2.0	
IS(R) 65-40-250JB		10.8	3.01	15	48	0.83	1.1	2.5	

(Table 1): Main performance parameters of IS(R) pump

pump model	Rotating speed r/min	flow		lift m	efficiency %	power		Necessary NPSH m	weight kg
		m³/h	L/S			Shaft power KW	Motor Power KW		
IS(R) 65-40-315	2900	15	4.17	127	28	18.5	30	2.0	
		25	6.94	125	40	21.3		2.5	
		30	8.33	123	44	22.8		3.0	
IS(R) 65-40-315A		23.9	6.64	114	40	18.58	22	2.5	
IS(R) 65-40-315B		22.7	6.3	103	39	15.94	18.5	2.5	
IS(R) 65-40-315C		21.4	5.94	92	38	13.4	15	2.5	
IS(R) 65-40-315J	1450	12.5	3.47	32	37	2.94	4	2.5	
IS(R) 65-40-315JA		11.9	3.32	28.2	37	2.32	3	2.5	
IS(R) 65-40-315JB		11.3	3.15	25.8	36	1.99		3.0	
IS(R) 80-65-125	2900	30	8.33	22.5	64	2.87	5.5	3.0	
		50	13.9	20	74	3.63		3.0	
		60	16.7	18	74	3.98		3.5	
IS(R) 80-65-125A		44.7	12.42	16	75	2.27	4	3.0	
IS(R) 80-65-125J	1450	25	6.94	5.0	71	0.48	0.75	2.5	
IS(R) 80-65-125JA		22.4	6.22	4	71	0.34	0.55	3.0	
IS(R) 80-65-160	2900	30	8.33	36	61	4.82	7.5	2.5	
		50	13.9	32	73	5.97		2.5	
		60	16.7	29	72	6.59		3.0	
IS(R) 80-65-160A		46.8	13	28	73	4.80	5.5	2.5	
IS(R) 80-65-160B		43.3	12.4	24	73	3.80	4	2.5	
IS(R) 80-65-160J	1450	25	6.94	8	69	0.79	1.5	2.5	
IS(R) 80-65-160JA		23.4	6.5	7	69	0.6	1.1	2.5	
IS(R) 80-65-160JB		21.7	6.03	6	68	0.48	0.75	3.0	
IS(R) 80-50-200	2900	30	8.33	53	55	7.87	15	2.5	
		50	13.9	50	59	9.87		2.5	
		60	16.7	47	71	10.8		3.0	
IS(R) 80-50-200A		46.8	13	44	69	8.14	11	2.5	
IS(R) 80-50-200B		40	11.11	38	69	6.52	7.5	2.5	
IS(R) 80-50-200C		40	11.1	32	69	5.05		2.5	
IS(R) 80-50-200J	1450	25	6.94	12.5	65	1.31	2.2	2.5	
IS(R) 80-50-200JA		23.4	6.5	11	65	1.01	1.5	2.5	
IS(R) 80-50-200JB		21.7	6.08	9.5	64	0.81	1.1	3.0	
IS(R) 80-50-250	2900	30	8.33	84	52	13.2	22	2.5	
		50	13.9	80	63	7.3		2.5	

(Table 1): Main performance parameters of IS(R) pump

pump model	Rotating speed r/min	flow		lift m	efficiency %	power		Necessary NPSH m	weight kg
		m³/h	L/S			Shaft power KW	Motor Power KW		
IS(R) 80-50-250	2900	60	16.7	75	64	19.2	22	3.0	
IS(R) 80-50-250A		46.81	13.00	70	63	14.18	18.5	2.5	
IS(R) 80-50-250B		43.3	12.4	60	63	11.23	15	2.5	
IS(R) 80-50-250J	1450	25	6.94	20	60	2.27	3	2.5	
IS(R) 80-50-250JA		23.4	6.5	17.5	60	1.77	2.2	2.5	
IS(R) 80-50-250JB		21.7	6.03	15	60	1.4		3.0	
IS(R) 80-50-315	2900	30	8.33	128	41	25.5	37	2.5	
		50	13.9	125	54	31.5		2.5	
		60	16.7	123	57	35.3		2.5	
IS(R) 80-50-315A	2900	47.7	13.25	114	54	27.8	30	2.5	
IS(R) 80-50-315B		45.4	12.6	103	54	23.6		2.5	
IS(R) 80-50-315C		42.9	11.9	92	54	19.83		2.5	
IS(R) 80-50-315J	1450	25	6.94	32	52	4.19	5.5	2.5	
IS(R) 80-50-315JA		23.4	4.17	28.5	52	3.34	4	2.5	
IS(R) 80-50-315JB		22.3	6.3	25.3	51	2.94		3.0	
IS(R) 100-80-125	2900	60	16.7	24	69	5.86	11	4.0	
		100	27.8	20	78	7.0		4.5	
		120	33.3	16.5	74	7.28		5.0	
IS(R) 100-80-125A	1450	89.4	24.83	16	78	5.0	7.5	4.5	
IS(R) 100-80-125J		50	13.9	5	75	0.91	1.5	2.5	
IS(R) 100-80-125JA		44.7	12.42	4	75	0.62	1.1	3.0	
IS(R) 100-80-160	2900	60	16.7	36	70	8.42	15	3.5	
		100	27.8	32	78	11.2		4.0	
		120	33.3	28	75	12.2		5.0	
IS(R) 100-80-160A	2900	93.51	26	28	78	9.16	11	4.0	
IS(R) 100-80-160B		68.6	24.1	24	78	7.24		4.0	
IS(R) 100-80-160C		79	21.9	20	77	5.52	7.5	4.0	
IS(R) 100-80-160J	1450	50	13.9	8.0	75	1.45	2.2	2.5	
IS(R) 100-80-160JA		46.8	13	7	75	1.14	1.5	2.0	
IS(R) 100-80-160JB		43.3	12.4	6	74	0.90	1.1	3.5	
IS(R) 100-65-200	2900	60	16.7	54	65	13.6	22	3.0	
		100	27.8	50	76	17.9		3.6	
		120	33.3	47	77	19.9		4.8	
		95	26.4	45	76	15.35	18.5	3.6	

(Table 1): Main performance parameters of IS(R) pump

pump model	Rotating speed r/min	flow		lift m	efficiency %	power		Necessary NPSH m	weight kg	
		m³/h	L/S			Shaft power KW	Motor Power KW			
IS(R)100-65-200B	2900	89.4	24.8	40	76	12.79	15	3.6		
IS(R)100-65-200C		85	23.57	36	76	10.99		2.0		
IS(R)100-65-200J	1450	50	13.9	12.5	73	2.33	4	2.0		
IS(R)100-65-200JA		46.8	13	11	72	1.84	3	2.0		
IS(R)100-65-200JB		43.3	12.04	9.5	72	1.48	2.2	2.5		
IS(R)100-65-250	2900	60	16.7	87	61	23.4	37	3.5		
		100	27.8	80	72	30.3		3.8		
		120	33.3	74.5	73	33.3		4.8		
IS(R)100-65-250A		93.5	26	70	72	26.6	30	3.8		
IS(R)100-65-250B		86.6	24.1	60	72	17.03	22	3.8		
IS(R)100-65-250C		79	22	50	72	14.90	18.5	3.8		
IS(R)100-65-250J	1450	50	13.9	20	68	4.00	5.5	2.0		
IS(R)100-65-250JA		46.8	13	17.5	68	3.09	4	2.0		
IS(R)100-65-250JB		43.3	12.04	15	67	2.03	3	2.5		
IS(R)100-65-315	2900	60	16.7	133	55	39.6	75	3.0		
		100	27.8	125	66	51.6		3.6		
		120	33.3	118	67	57.5		4.2		
IS(R)100-65-315A		95.5	26.53	114	66	45.03	55	3.6		
IS(R)100-65-315B		90.8	25.2	103	66	38.63	45	3.6		
IS(R)100-65-315C		85.8	23.83	92	66	32.52	37	3.6		
IS(R)100-65-315D	1450	81	22.5	87.5	66	27.4	30	3.6		
IS(R)100-65-315J		50	13.9	32	.63	6.92	11	2.0		
IS(R)100-65-315JA		47.7	13.25	28.5	63	5.62	7.5	2.0		
IS(R)100-65-315JB		45.4	12.5	25.8	62	4.82		2.5		
IS(R)100-65-315JC	2900	42.9	11.9	23	61	4.06	5.5	2.5		
IS(R)125-100-200		120	33.3	57.5	67	28.0	45	4.5		
		200	55.5	50	81	33.6		4.5		
		240	66.7	44.5	80	36.4		5.0		
IS(R)125-100-200A		190	52.7	45	81	28.8	37	4.5		
IS(R)125-100-200B		179	49.7	40	81	24	30	4.5		
IS(R)125-100-200C		170	47.2	36	81	20.63	22	4.5		
IS(R)125-100-200J	1450	100	27.8	12.5	76	4.48	7.5	2.5		
IS(R)125-100-200JA		93.5	26	11	76	3.46	5.5	2.5		
IS(R)125-100-200JB		86.5	24.1	9.5	75	2.79	4	3.0		

(Table 1): Main performance parameters of IS(R) pump

pump model	Rotating speed r/min	flow		lift m	efficiency %	power		Necessary NPSH m	weight kg
		m³/h	L/S			Shaft power KW	Motor Power KW		
IS(R)150-125-315	1450	120	33.3	34	70	15.86	30	2.5	
		200	55.6	32	79	22.08		2.5	
		240	66.7	29	80	23.71		3.0	
IS(R)150-125-315 A		187	52	28	79	18.1	22	2.5	
IS(R)150-125-315 B		173	48.1	24	79	14.33	18.5	2.5	
IS(R)150-125-315 C		160	44	20	78	11.7	15	2.0	
IS(R)150-125-400	1450	120	33.3	53	62	27.9	45	2.0	
		200	55.6	50	75	36.3		2.8	
		240	66.7	46	74	40.6		3.5	
IS(R)150-125-400 A		187	52	44	75	29.9	37	2.8	
IS(R)150-125-400 B		173	48.1	38	75	24.09	30	2.8	
IS(R)150-125-400 C		160	44.4	32	75	18.8	22	2.8	
IS(R)200-150-250	1450	240	66.7	22.6	70	21.1	37	3.6	
		400	111.1	20.0	83	26.2		4.6	
		460	127.8	17.2	79	27.3		4.9	
IS(R)200-150-250 A		374	103.8	17.5	83	21.83	30	4.6	
IS(R)200-150-250 B		346	96.2	15	80	17.24	22	4.6	
240		66.7	37	70	34.6	55	3.0		
IS(R)200-150-315	1450	400	111.1	32	82		42.5	3.5	
		460	127.8	28.5	80		44.6	4.0	
IS(R)200-150-315 A		374	103.8	28	82	35.38	45	3.5	
IS(R)200-150-315 B		346	96.2	24	80	28.12	37	3.5	
240		66.7	55	74	48.6	90	3.0		
400		111.1	50	81	67.2		3.8		
IS(R)200-150-400	1450	460	127.8	45	76		74.2	4.5	
IS(R)200-150-400 A		374	130.8	44	81	55.4	75	3.8	
IS(R)200-150-400 B		346	96.2	38	81	45.58	55	3.8	
IS(R)200-150-400 C		330	91.6	34	81	37.57	45	3.8	
IS(R)125-80-160	2900	160	44.4	32	80	17.5	22	5.6	
IS(R)125-80-160J	1450	80	22.2	8	77	2.26	3	2.5	
IS(R)125-80-200	2900	160	44.4	50	80	27.2	37	5.2	
IS(R)125-80-200 J	1450	80	22.2	12.5	77	3.54	4	2.5	
IS(R)125-80-250	2900	160	44.4	80	77	45.3	55	4.8	
IS(R)125-80-250 J	1450	80	22.2	20	74	5.89	7.5	2.2	