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IS/IR/IY系列端吸泵

IS/IR/IY Series End Suction Pump

Product Catalog 2020

Description

- IS series end suction centrifugal pump is widely used in transportation of water and similar liquid below 80 centigrade, inlet pressure usually not more than 0.6MPa, it widely applied to civil & industrial water supply & discharge, and agricultural irrigation.
- IR series end suction centrifugal pump is based on IS series, it suitable for the hot water which below 130 centigrade.
- IY series end suction centrifugal pump is based on IS series, it suitable for the petrochemical products without corrosiveness, and the viscosity of the liquid should be less than 120Cp.

Model Instruction

Example:
IS: single stage single suction centrifugal pump for pure water
IR: single stage single suction centrifugal pump for hot water
IY: single stage single suction centrifugal pump for petrochemical
80: Inlet diameter is 80mm
65: Outlet diameter is 65mm
125: Impeller diameter is 125mm
A: Impeller code

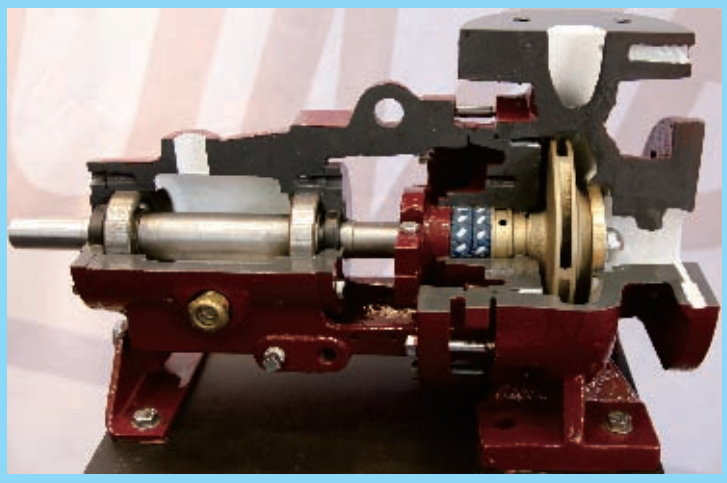
Performance Range

Flow: 6.3-400m^3/h
Head: 5-125m

Material of main parts

IS,IR		IY	
Name	Material	Name	Material
Pump body	HT200	Pump body	ZG230–450
Pump case	HT200	Pump case	ZG230–450
Sealing ring	HT200	Sealing ring	ZG230–450
Shaft	45	Shaft	3Cr13
Impeller	HT200	Impeller	ZG230–450
Shaft Sleeve	HT250	Shaft Sleeve	0Cr18Ni9

Structure



Structure Diagram

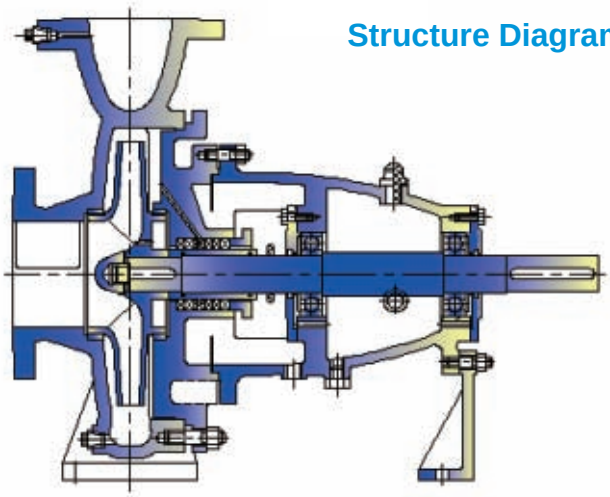


Diagram while using Mechanical seal

Diagram while using Mechanical seal

Structure Diagram

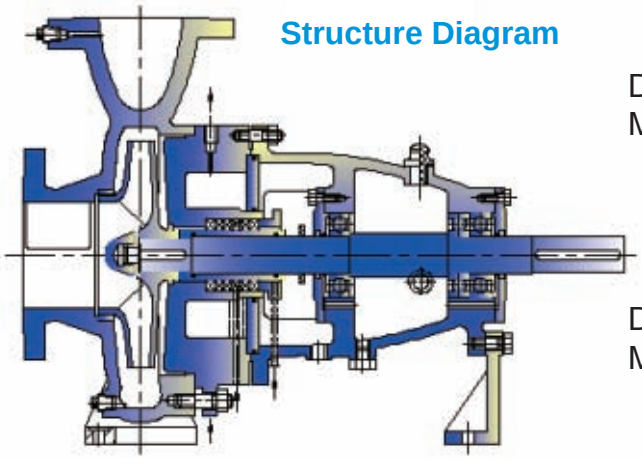
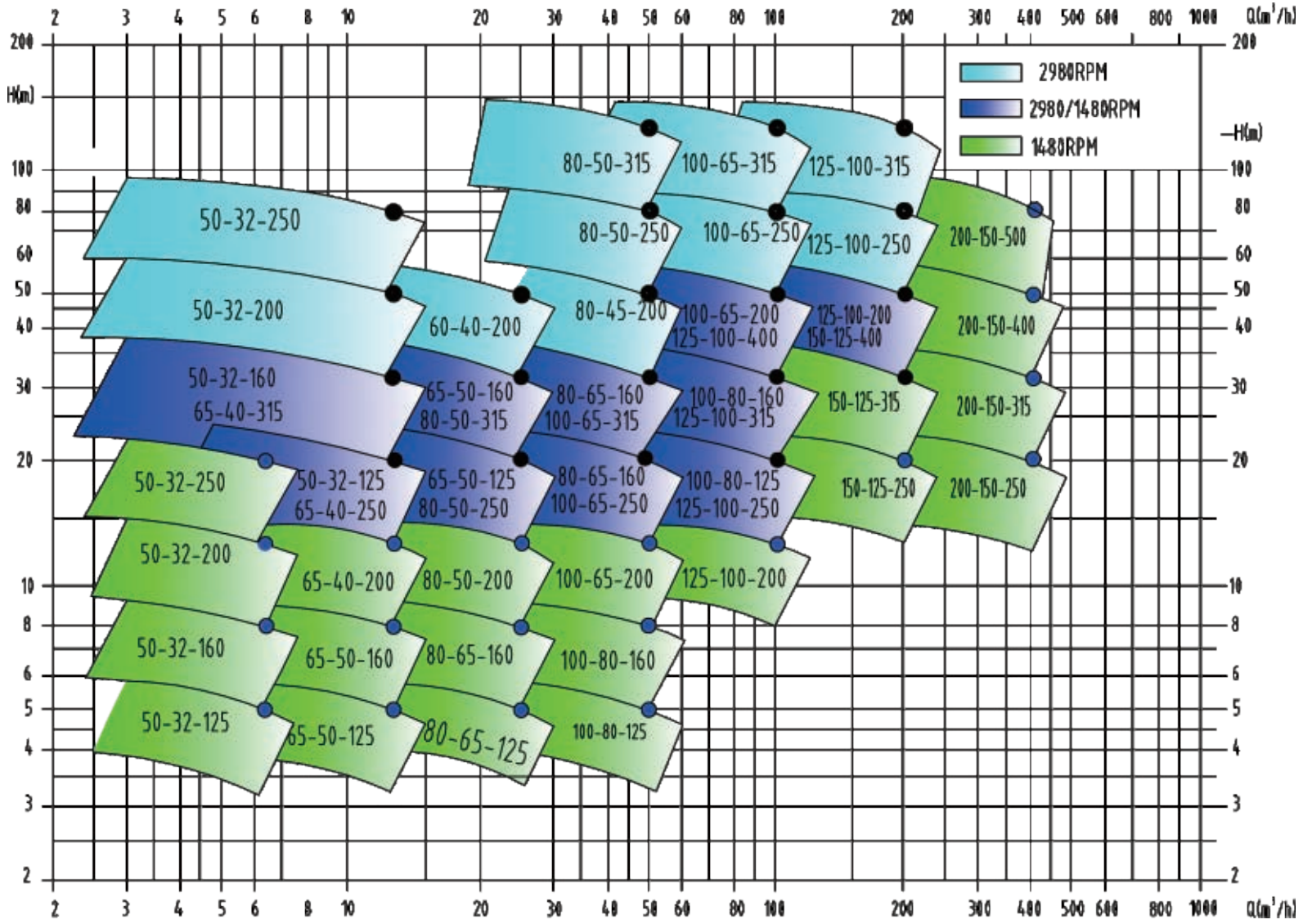


Diagram while using Mechanical seal

Diagram while using Mechanical seal

- Back-pull-out construction makes the disassembly no need to remove the pipe system
- Both mechanical seal and packing seal can use the same construction.
- Parts & accessories interchangeable, which reduced the parts storage
- IR/IY series pump have a cooling chamber, which reduced thermal transmission, make the bearing endurable and pump more stable.
- Optimized hydraulic model, high efficiency and low NPSHr.

Model Spectrum



Model & Specification

Model \ Data		Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	50–32–125	7.5	2.08	22	2900	0.96	2.2	Y90L–2	47	2	50	32	40
		12.5	3.14	20		1.13			60	2			
		15	4.17	18.5		1.26			60	2.5			
		3.75	1.04	5.4	1450	0.13	0.55	Y801–4	43	2			
		6.3	1.74	5		0.16			54	2			
		7.5	2.08	4.6		0.17			55	2.5			
IS IR IY	50–32–125A	6.75	1.87	17.8	2900	0.71	1.5	Y90S–2	46	2	50	32	40
		11.25	3.12	16.2		0.84			59	2			
		13.5	3.75	15		0.94			59	2.5			
IS IR IY	50–32–125B	6	1.67	14.1	2900	0.51	1.1	Y802–2	45	2	50	32	40
		10	2.78	12.8		0.6			58	2			
		12	3.33	11.8		0.67			58	2.5			
IS IR IY	50–32–160	7.5	2.08	34.3	2900	1.59	3	Y100L–2	44	2	50	32	40
		12.5	3.47	32		2.02			54	2			
		15	4.17	29.6		2.16			56	2.5			
		3.75	1.04	8.5	1450	0.25	0.55	Y801–4	35	2			
		6.3	1.74	8		0.29			48	2			
		7.5	2.08	7.5		0.31			49	2.5			
IS IR IY	50–32–160A	6.75	1.87	27.8	2900	1.19	2.2	Y90L–2	43	2	50	32	40
		11.25	3.12	26		1.5			53	2			
		13.5	3.75	24		1.6			55	2.5			
IS IR IY	50–32–160B	6	1.67	22	2900	0.86	1.5	Y90S–2	42	2	50	32	40
		10	2.78	20.5		1.07			52	2			
		12	3.33	18.9		1.14			54	2.5			
IS IR IY	50–32–200	7.5	2.08	52.5	2900	2.82	5.5	Y132S1–2	38	2	50	32	43
		12.5	3.47	50		3.55			48	2			
		15	4.17	48		3.85			51	2.5			
		3.75	1.04	13.1	1450	0.41	0.75	Y802–4	33	2			
		6.3	1.74	12.5		0.51			42	2			
		7.5	2.08	12		0.56			44	2.5			
IS IR IY	50–32–200A	6.75	1.87	42.5	2900	2.11	4	Y112M–2	37	2	50	32	43
		11.25	3.12	40.5		2.65			47	2			
		13.5	3.75	38.9		2.94			50	2.5			
IS IR IY	50–32–200B	6	1.67	33.6	2900	1.53	3	Y100L–2	36	2	50	32	43
		10	2.78	32		1.9			46	2			
		12	3.33	30.7		2.05			49	2.5			

◆ Model & Specification

Model \ Data		Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	50–32–250	7.5	2.08	82	2900	5.87	11	Y160M1–2	28.5	2	50	32	76
		12.5	3.47	80		7.16			38	2			
		15	4.17	78.5		7.83			41	2.5			
IS IR IY	50–32–250	3.75	1.04	20.5	1450	0.91	1.5	Y90L–4	23	2	50	32	76
		6.3	1.74	20		1.07			32	2			
		7.5	2.08	19.5		1.14			35	2.5			
IS IR IY	50–32–250A	6.75	1.87	66.4	2900	4.44	7.5	Y132S2–2	27.5	2	50	32	76
		11.25	3.12	64.8		5.35			37	2			
		13.5	3.75	63.6		5.85			40	2.5			
		3.35	0.94	16.6	1450	0.69	1.1	Y90S–4	22	2			
		5.62	1.56	16.2		0.8			31	2			
		6.75	1.87	15.9		0.86			34	2.5			
IS IR IY	65–50–125	15	4.17	21.8	2900	1.54	3	Y100L–2	58	2	65	50	40
		25	6.94	20		1.97			69	2			
		30	8.33	18.5		2.22			68	3			
		7.5	2.08	5.4	1450	0.21	0.55	Y801–4	53	2			
		12.5	3.47	5		0.27			64	2			
		15	4.17	4.6		0.3			65	2.5			
IS IR IY	65–50–125A	14.25	3.96	19.7	2900	1.34	2.2	Y90L–2	57	2	65	50	40
		23.75	6.59	18.1		1.72			68	2			
		28.5	7.91	16.7		1.94			67	3			
IS IR IY	65–50–125B	12.75	3.54	15.8	2900	0.98	1.5	Y90S–2	56	2	65	50	40
		21.25	5.9	14.5		1.25			67	2			
		25.5	7.08	13.4		1.4			66	3			
IS IR IY	65–50–160	15	4.17	35	2900	2.65	5.5	Y132S1–2	54	2	65	50	46
		25	6.94	32		3.35			65	2			
		30	8.33	30		3.71			66	2.5			
		7.5	2.08	8.8	1450	0.36	0.75	Y802–4	50	2			
		12.5	3.47	8		0.45			60	2			
		15	4.17	7.5		0.51			60	2.5			
IS IR IY	65–50–160A	14.25	3.96	31.6	2900	2.31	4	Y112M–2	53	2	65	50	46
		23.75	6.59	28.9		2.92			64	2			
		28.5	7.91	27.1		3.23			65	2.5			
IS IR IY	65–50–160B	12.75	3.54	25.3	2900	1.69	3	Y100L–2	52	2	65	50	46
		21.25	5.9	23.1		2.13			63	2			
		25.5	7.08	21.7		2.35			64	2.5			

Model & Specification

Model \ Data		Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	65–40–200	15	4.17	53	2900	4.42	7.5	Y132S2–2	49	2	65	40	50
		25	6.94	50		5.67			60	2			
		30	8.33	47		6.3			61	2.5			
		7.5	2.08	13.2	1450	0.63	1.1	Y90S–4	43	2			
		12.5	3.47	12.5		0.77			55	2			
		15	4.17	11.8		0.85			57	2.5			
IS IR IY	65–40–200A	12	3.33	33.9	2900	2.31	4	Y112M－2	48	2	65	40	50
		20	5.56	32		2.96			59	2			
		24	6.67	30.1		3.28			60	2.5			
		6	1.67	8.5	1450	0.33	0.75	Y802–4	42	2			
		10	2.78	8		0.4			54	2			
		12	3.33	7.6		0.45			56	2.5			
IS IR IY	65–40–250	15	4.17	82	2900	9.05	15	Y160M2–2	37	2	65	40	80
		25	6.94	80		10.89			50	2			
		30	8.33	78		12.02			53	2.5			
		7.5	2.08	21	1450	1.23	2.2	Y100L1–4	35	2			
		12.5	3.47	20		1.48			46	2			
		15	4.17	19.4		1.65			48	2.5			
IS IR IY	65–40–250A	12	3.33	52.5	2900	4.76	7.5	Y132S2–2	36	2	65	40	80
		20	5.56	51.2		5.7			49	2			
		24	6.67	49.9		6.28			52	2.5			
		6	1.67	13.1	1450	0.63	1.5	Y90L–4	34	2			
		10	2.78	12.8		0.78			45	2			
		12	3.33	12.5		0.87			47	2.5			
IS IR IY	65–40–315	15	4.17	127	2900	18.5	30	Y200L1–2	28	2.5	65	40	106
		25	6.94	125		21.3			40	2.5			
		30	8.33	123		22.8			44	3			
		7.5	2.08	32.3	1450	2.63	4	Y112M–4	25	2.5	65	40	106
		12.5	3.47	32		2.94			37	2.5			
		15	4.17	31.7		3.16			41	3			
IS IR IY	65–40–315A	13.5	3.75	102.9	2900	14	22	Y180M–2	27	2.5	65	40	106
		22.5	6.25	101.3		15.9			39	2.5			
		27	7.5	99.6		17.04			43	3			
		6.73	1.87	25.7	1450	1.96	3	Y100L2－4	24	2.5			
		11.23	3.12	25.3		2.15			36	2.5			
		13.5	3.75	24.9		2.29			40	3			

◆ Model & Specification

Model	Data	Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	65–40–315B	12.85	3.57	81.3	2900	10.95	18.5	Y160L–2	26	2.5	65	40	106
		21.24	5.9	80		12.18			38	2.5			
		25.49	7.08	78.7		13.01			42	3			
IS IR IY	80–65–125	30	8.33	22.5	2900	2.87	5.5	Y132S1–2	64	3	80	65	43
		50	13.89	20		3.63			75	3			
		60	16.67	18		3.98			74	3.5			
		15	4.17	5.6	1450	0.42	0.75	Y802–4	55	2.5			
		25	6.94	5		0.48			71	2.5			
		30	8.33	4.5		0.51			72	3			
IS IR IY	80–65–125A	28.5	7.92	20.3	2900	2.5	4	Y112M–2	63	3	80	65	43
		47.5	13.19	18.1		3.16			74	3			
		57	15.83	16.3		3.46			73	3.5			
IS IR IY	80–65–125B	25.5	7.08	16.3	2900	1.83	3	Y100L–2	62	3	80	65	43
		42.5	11.82	14.5		2.29			73	3			
		51	14.17	13		2.51			72	3.5			
IS IR IY	80–65–160	30	8.33	36	2900	4.82	7.5	Y132S2–2	61	2.2	80	65	44
		50	13.89	32		5.97			73	2.5			
		60	16.67	29		6.59			72	3			
IS IR IY	80–65–160	15	4.17	9	1450	0.67	1.5	Y90L–4	55	2	80	65	44
		25	6.94	8		0.79			69	2			
		30	8.33	7.2		0.86			68	2.5			
IS IR IY	80–65–160A	24	6.67	23	2900	2.51	4	Y112M–2	60	2.5	80	65	44
		40	11.12	20.5		3.1			72	2.5			
		48	13.33	18.6		3.42			71	3			
		12	3.33	5.8	1450	0.35	1.1	Y90S–4	54	2.5			
		20	5.56	5.1		0.41			68	2.5			
		24	6.67	4.6		0.45			67	3			
IS IR IY	80–50–200	30	8.33	53	2900	7.88	15	Y160M2–2	55	2.5	80	65	48
		50	13.89	50		9.87			69	2.5			
		60	16.67	47		10.8			71	3			
		15	4.17	13.2	1450	1.06	2.2	Y100L1–4	51	2.5			
		25	6.94	12.5		1.31			65	2.5			
		30	8.33	11.8		1.44			67	3			

Model & Specification

Model \ Data		Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	80–50–200A	25.5	7.08	38.3	2900	4.92	7.5	Y132S2–2	54	2.5	80	65	48
		42.5	11.8	36.1		6.15			68	2.5			
		51	14.17	34		6.77			70	3			
		12.75	3.54	9.6	1450	0.66	1.5	Y90L–4	50	2.5			
		21.25	5.9	9		0.81			64	2.5			
		25.5	7.08	8.5		0.89			66	3			
IS IR IY	80–50–200B	24	6.67	33.92	2900	4.19	7.5	Y132S2–2	53	2.5	80	65	48
		40	11.11	32		5.21			67	2.5			
		48	13.33	30.1		5.71			69	3			
		12	3.33	8.5	1450	0.56	1.1	Y90S－4	49	2.5			
		20	5.56	8		0.69			63	2.5			
		24	6.67	7.6		0.76			65	3			
IS IR IY	80–50–250	30	8.33	84	2900	13.2	22	Y180M－2	52	2.5	80	65	86
		50	13.89	80		17.3			63	2.5			
		60	16.67	74		19.2			64	3			
IS IR IY	80–50–250	15	4.17	21	1450	1.75	3	Y100L2–4	49	2.5	80	65	86
		25	6.94	20		2.27			60	2.5			
		30	8.33	18.5		2.52			61	3			
IS IR IY	80–50–250A	27	7.5	68	2900	9.81	18.5	Y160L–2	51	2.5	80	65	86
		45	12.5	64		12.81			62	2.5			
		54	15	60.8		14.22			63	3			
IS IR IY	80–50–250B	25.5	7.08	60.7	2900	8.43	15	Y160M2–2	50	2.5	80	65	86
		42.5	11.8	57.8		10.97			61	2.5			
		51	14.17	54.2		12.17			62	3			
IS IR IY	80–50–315	30	8.33	128	2900	25.5	37	Y200L1–2	41	2.5	80	50	109
		50	13.89	125		31.5			54	2.5			
		60	16.67	123		35.5			57	3			
IS IR IY	80–50–315	15	4.17	32.5	1450	3.4	5.5	Y132S–4	39	2.5	80	50	109
		25	6.94	32		4.19			52	2.5			
		30	8.33	31.5		4.6			56	3			
IS IR IY	80–50–315A	24	6.67	81.9	2900	13.39	22	Y180M–2	40	2.5	80	50	109
		40	11.11	80		16.43			53	2.5			
		48	13.33	78.7		18.39			56	3			
		12	3.33	20.8	1450	1.97	4	Y112M–4	38	2.5			
		20	5.56	20.5		2.19			51	2.5			
		24	6.67	20.2		2.4			55	3			

◆ Model & Specification

Model	Data	Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	100–80–125	60	16.67	24	2900	5.86	11	Y160M1–2	67	4	100	80	58
		100	27.78	20		7			78	4.5			
		120	33.33	16.5		7.28			74	5			
		30	8.33	6	1450	0.77	1.5	Y90L–4	64	2.5			
		50	13.89	5		0.91			75	2.5			
		60	16.67	4		0.92			71	3			
IS IR IY	100–80–125A	57	15.83	21.7	2900	5.1	7.5	Y132S2–2	66	4	100	80	58
		95	26.39	18.1		6.08			77	4.5			
		114	31.67	14.9		6.33			73	5			
		28.5	7.92	5.4	1450	0.67	1.1	Y90S– 4	63	2.5			
		47.5	13.19	4.5		0.79			74	2.5			
		57	15.83	3.6		0.8			70	3			
IS IR IY	100–80–125B	51	14.17	17.34	2900	3.71	5.5	Y132S1–2	65	4	100	80	58
		85	23.61	14.45		4.4			76	4.5			
		102	28.33	11.92		4.6			72	5			
		25.5	7.08	4.3	1450	0.49	0.75	Y802 – 4	62	2.5			
		42.5	11.8	3.6		0.57			73	2.5			
		51	14.17	2.9		0.58			69	3			
IS IR IY	100–80–160	60	16.67	36	2900	8.42	15	Y160M2–2	70	3.5	100	80	79
		100	27.78	32		11.2			78	4			
		120	33.33	28		12.2			75	5			
		30	8.33	9.2	1450	1.12	2.2	Y100L1–4	67	2			
		50	13.89	8		1.46			75	2.5			
		60	16.67	6.8		1.57			71	3.5			
IS IR IY	100–80–160A	54	15	29.16	2900	6.22	11	Y160M1–2	69	3.5	100	80	79
		90	25	25.92		8.26			77	4			
		108	30	22.68		9.02			74	5			
		27	7.5	7.5	1450	0.83	1.5	Y90L–4	66	2			
		45	12.5	6.5		1.07			74	2.5			
		54	15	5.5		1.16			70	3			
IS IR IY	100–65–200	60	16.67	54	2900	13.6	22	Y180M–2	65	3.5	100	65	86
		100	27.78	50		17.9			76	3.6			
		120	33.33	47		19.9			77	4.8			
IS IR IY	100–65–200	30	8.33	13.5	1450	1.84	4	Y112M–4	60	2	100	65	86
		50	13.89	12.5		2.33			73	2			
		60	16.67	11.8		2.61			74	2.5			

Model & Specification

Model	Data	Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
ISIRIY	100–65–200A	57	15.83	48.7	2900	11.84	18.5	Y160L–2	64	3	100	65	86
		95	26.39	45.1		15.55			75	3.6			
		114	31.67	42.4		17.28			76	4.8			
		28.5	7.92	12.2	1450	1.16	3	Y100L2–4	59	2			
		47.5	13.19	11.3		2.03			72	2			
		57	15.83	10.7		2.27			73	2.5			
ISIRIY	100–65–200B	51	14.17	39	2900	8.62	15	Y160M2–2	63	2	100	65	86
		85	23.61	36.1		11.29			74	2			
		102	28.33	34		12.55			75	2.5			
ISIRIY	100–65–250	60	16.67	87	2900	23.4	37	Y200L2–2	61	3.5	100	65	95
		100	27.78	80		30.3			72	3.8			
		120	33.33	74.5		33.3			73	4.8			
		30	8.33	21.3	1450	3.16	5.5	Y132S–4	55	2			
		50	13.89	20		4			68	2			
		60	16.67	19		4.44			70	2.5			
ISIRIY	100–65–250A	51	14.17	62.9	2900	14.59	22	Y180M–2	60	3.5	100	65	95
		85	23.61	57.8		18.87			71	3.8			
		102	28.33	53.8		20.73			72	4.8			
		25.5	7.08	15.4	1450	1.98	4	Y112M–4	54	2			
		42.5	11.81	14.5		2.5			67	2			
		51	14.17	13.7		2.77			69	2.5			
ISIRIY	100–65–250B	48	13.33	55.68	2900	12.34	18.5	Y160L–2	59	3.5	100	65	95
		80	22.22	51.2		15.95			70	3.8			
		96	26.67	47.68		17.57			71	4.8			
		24	6.67	13.6	1450	1.68	3	Y100L2–4	53	2			
		40	11.11	12.8		2.11			66	2			
		48	13.33	12.2		2.34			68	2.5			
ISIRIY	100–65–315	60	16.67	133	2900	39.6	75	Y280S–2	55	3	100	65	130
		100	27.78	125		51.6			66	3.6			
		120	33.33	118		57.6			67	4.2			
		30	8.33	34	1450	5.45	11	Y160M–4	51	2			
		50	13.89	32		6.92			63	2			
		60	16.67	30		7.67			64	2.5			

◆ Model & Specification

Model	Data	Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	100–65–315A	57	15.83	120	2900	34.58	55	Y250M–2	54	3	100	65	130
		95	26.39	112.8		44.92			65	3.6			
		114	31.67	106.5		50.06			66	4.2			
		28.5	7.92	30.7	1450	4.75	7.5	Y132M–4	50	2			
		47.5	13.19	28.9		6.03			62	2			
		57	15.83	27.1		6.68			63	2.5			
IS IR IY	100–65–315B	51	14.17	96.1	2900	25.24	45	Y225M–2	53	3	100	65	130
		85	23.61	90.3		32.68			64	3.6			
		102	28.33	85.3		36.4			65	4.2			
		25.5	7.08	24.6	1450	3.48	5.5	Y132S–4	49	2			
		42.5	11.8	23.1		4.39			61	2			
IS IR IY	100–65–315C	51	14.17	21.7	2900	4.87	37	Y200L2–2	62	2.5	100	65	130
		48	13.33	85.1		21.05			53	3			
		80	22.22	80		27.25			64	3.6			
		96	26.67	75.5		30.35			65	4.2			
IS IR IY	125–100–200	120	33.33	57.5	2900	28	45	Y225M–2	67	4.5	125	100	87
		200	55.56	50		33.6			81	4.5			
		240	66.67	44.5		36.4			80	5			
		60	16.67	14.5	1450	3.83	7.5	Y132M–4	62	2.5			
		100	27.78	12.5		4.48			76	2.5			
		120	33.33	11		4.8			75	3			
IS IR IY	125–100–200A	114	31.67	51.9	2900	24.43	37	Y200L2–2	66	4.5	125	100	87
		190	52.78	45.1		29.19			80	4.5			
		228	63.33	40.2		31.61			79	5			
		57	15.83	13	1450	3.31	5.5	Y132S–4	61	2.5			
		95	26.39	11.3		3.9			75	2.5			
		114	31.67	10		4.2			74	3			
IS IR IY	125–100–200B	96	26.67	36.8	2900	14.8	22	Y180M–2	65	4.5	125	100	87
		160	44.44	32		17.66			79	4.5			
		192	53.33	28.5		19.12			78	5			
		48	13.33	9.3	1450	2.03	4	Y112M–4	60	2.5			
		80	22.22	8		2.36			74	2.5			
		96	26.67	7		2.51			73	3			

Model & Specification

Model \ Data		Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	125–100–250	120	33.33	87	2900	43.1	75	Y280S–2	66	3.8	125	100	115
		200	55.56	80		55.9			78	4.2			
		240	66.67	72		62.8			75	5			
		60	16.67	21.5	1450	5.58	11	Y160M–4	63	2.5			
		100	27.78	20		7.17			76	2.5			
		120	33.33	18.5		7.86			77	3			
IS IR IY	125–100–250A	108	30	70.5	2900	31.9	55	Y250M–2	65	3.8	125	100	115
		180	50	64.8		41.28			77	4.2			
		216	60	58.3		46.37			74	5			
		54	15	17.4	1450	4.13	7.5	Y132M–4	62	2.5			
		90	25	16.2		5.3			75	2.5			
		108	30	15		5.81			76	3			
IS IR IY	125–100–250B	102	28.33	62.7	2900	27.24	45	Y225M–2	64	3.8	125	100	115
		170	47.22	57.8		35.23			76	4.2			
		204	56.67	52		39.63			73	5			
IS IR IY	125–100–250B	51	14.17	15.5	1450	3.54	5.5	Y132S–4	61	2.5	125	100	115
		85	23.61	14.5		4.52			74	2.5			
		102	28.33	13.4		4.94			65	3			
IS IR IY	125–100–250C	96	26.67	55.7	2900	22.71	37	Y200L2–2	64	3.8	125	100	115
		160	44.44	51.2		29.37			76	4.2			
		192	53.33	48.1		33.03			73	5			
IS IR IY	125–100–315	120	33.33	132.5	2900	72.1	110	Y315S–2	60	4.5	125	100	125
		200	55.56	125		90.8			75	4.5			
		240	66.67	120		101.9			77	5			
		60	16.67	33.5	1450	9.4	15	Y160L–4	58	2.5			
		100	27.78	32		11.9			73	2.5			
		120	33.33	30.5		13.5			74	3			
IS IR IY	125–100–315A	108	30	107.2	2900	53.47	90	Y280M–2	59	4	125	100	125
		180	50	101.3		67.15			74	4.5			
		216	60	97.2		75.28			76	5			
		54	15	27.1	1450	7	11	Y160M–4	57	2.5			
		90	25	25.9		8.82			72	2.5			
		108	30	24.7		9.96			73	3			
IS IR IY	125–100–315B	102	28.33	95.7	2900	48.86	75	Y280S–2	58	4	125	100	125
		170	47.22	90.3		57.3			73	4.5			
		204	56.67	86.7		64.27			75	5			

◆ Model & Specification

Model \ Data		Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power η	NPSHr	Diameter		Weight
							Power P	Model			Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	125–100–400	60 100 120	16.67 27.78 33.33	52 50 48.5	1450	16.1 21 23.6	30	Y200L–4	53 65 67	2.5 2.5 3	125	100	137
IS IR IY	125–100–400A	54 90 108	15 25 30	42.1 40.5 39.3	1450	11.94 15.52 17.49	22	Y180L–4	52 64 66	2.5 2.5 3	125	100	137
IS IR IY	125–100–400B	51 85 102	14.17 23.61 28.33	37.6 36.1 35	1450	10.29 13.29 14.96	18.5	Y180M–4	51 63 65	2.5 2.5 3	125	100	137
IS IR IY	125–100–400C	48 80 96	13.33 22.22 26.67	33.3 32 31	1450	8.56 11.09 12.45	15	Y160L–4	51 63 65	2.5 2.5 3	125	100	137
IS IR IY	150–125–250	120 200 240	33.33 55.56 66.67	22.5 20 17.5	1450	10.4 13.5 14.7	18.5	Y180M–4	71 81 78	3 3 3.5	150	125	136
IS IR IY	150–125–250A	114 190 228	31.64 52.82 63.36	20.3 18.1 15.8	1450	9.05 11.71 12.76	15	Y160L–4	70 80 77	3 3 3.5	150	125	136
IS IR IY	150–125–250B	102 170 204	28.33 47.22 56.67	16.3 14.5 12.6	1450	6.46 8.47 9.25	11	Y160M–4	70 79 76	3 3 3.5	150	125	136
IS IR IY	150–125–315	120 200 240	33.33 55.56 66.67	34 32 29	1450	15.86 22.08 23.71	30	Y200L–4	70 79 80	2.5 2.5 3	150	125	158
IS IR IY	150–125–315A	114 190 228	31.64 52.78 63.36	30.7 28.9 26.2	1450	13.63 19.17 20.59	22	Y180L–4	69 78 79	2.5 2.5 3	150	125	158
IS IR IY	150–125–315B	105.6 176 211.2	29.31 48.93 58.7	26.3 24.8 22.5	1450	11.11.11 08 15.44 16.57	18.5	Y180M–4	68 77 78	2.5 2.5 3	150	125	158
IS IR IY	150–125–400	120 200 240	33.33 55.56 66.67	53 50 46	1450	27.9 36.3 40.6	45	Y225M–4	62 75 74	2 2.8 3.5	150	125	187
IS IR IY	150–125–400A	114 190 228	31.64 52.82 63.36	47.8 45.2 41.5	1450	24.31 31.54 35.29	37	Y225S–4	61 74 73	2 2.8 3.5	150	125	187

Model & Specification

Model	Data	Flow Q		Head H	Speed n	Shaft power Pa	Motor		Power	NPSHr	Diameter		Weight
							Power P	Model	η		Inlet	Outlet	
		m^3/h	L/s	m	r/min	kW	kW		%	m	mm	mm	kg
IS IR IY	150–125–400B	105.6	29.31	41	1450	19.64	30	Y200L–4	60	2	150	125	187
		176	48.93	38.7		25.42			73	2.8			
		211.2	58.67	35.6		28.44			72	3.5			
IS IR IY	200–150–250	240	66.67	21.5	1450	19.8	37	Y225S–4	71	3.5	200	150	150
		400	111.11	20		26.6			82	4.3			
		460	127.78	17.5		27.4			80	5			
IS IR IY	200–150–250A	228	63.37	19.4	1450	17.2	30	Y200L–4	70	3.5	200	150	150
		380	105.55	18.1		23.1			81	4.3			
		437	121.41	15.8		23.8			79	5			
IS IR IY	200–150–250B	211.2	58.67	16.6	1450	13.8	22	Y180L–4	69	3.5	200	150	150
		352	97.77	15.5		18.58			80	4.3			
		404.8	112.48	13.6		19.2			78	5			
IS IR IY	200–150–315	240	66.67	37	1450	34.6	55	Y250M–4	70	3	200	150	168
		400	111.11	32		42.5			82	3.5			
		460	127.78	28.5		44.6			80	4			
IS IR IY	200–150–315A	228	63.37	33.4	1450	30.1	45	225M–4	69	3	200	150	168
		380	105.55	28.9		36.89			81	3.5			
		437	121.41	25.7		38.72			79	4			
IS IR IY	200–150–315B	211.2	58.67	28.7	1450	24.27	37	Y225S–4	68	3	200	150	168
		352	97.77	24.8		29.68			80	3.5			
		404.8	112.48	22.1		31.17			78	4			
IS IR IY	200–150–315C	204	56.7	26.7	1450	21.88	30	Y200L–4	68	3	200	150	168
		340	94.44	23.1		26.57			80	3.5			
		391	108.63	20.6		28.09			77	4			
IS IR IY	200–150–400	240	66.67	55	1450	48.6	90	Y280M–4	74	3	200	150	186
		400	111.11	50		67.2			81	3.8			
		460	127.78	45		74.2			76	4.5			
IS IR IY	200–150–400A	228	63.37	49.6	1450	42.24	75	Y280S–4	73	3	200	150	186
		380	105.55	45.1		58.34			80	3.8			
		437	121.41	40.6		64.47			75	4.5			
IS IR IY	200–150–400B	211.2	58.67	42.6	1450	34.04	55	Y250M–4	72	3	200	150	186
		352	97.77	38.7		48.95			79	3.8			
		404.8	112.48	34.9		51.94			74	4.5			
IS IR IY	200–150–400C	192	53.36	35.2	1450	25.57	45	Y225M–4	72	3	200	150	186
		320	88.88	32		35.28			79	3.8			
		368	102.24	28.8		39.02			74	4.5			