

ISO PUMP

series

ISO2858 End-suction Centrifugal Pump



Applications

- Fire Protection and Fire Fighting
- Water supply
- HVAC and Cooling Tower
- Booster and Pressurization Set
- Irrigation and agriculture

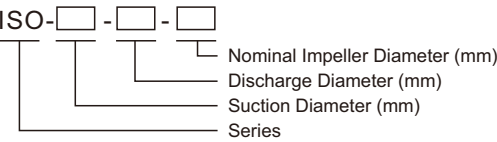
Description & Features

Ebs-ray pumps are designed in accordance with ISO 2858 standard while the performance even better than ISO 2858. Pumps have superior hydraulic design, by which significantly higher efficiencies are achieved for less power consumption. The flow rates are 1.6 times and the heard are 1.25 times of their correspondent sizes in ISO 2858 standard.

Pump performance can be changed by impeller trimming. There are 4 sizes of shafts and 4 sizes of bearing housing among the whole series, and many of the parts such as shaft, shaft sleeve, shaft seal and impeller nut of one pump are interchangeable with other pumps of the same bearing housing.

Back pull-out design and driven by motor or other driving device through flexible coupling, very easy and convenient to install and maintain.

Model Instruction



Seal Type

- Mechanical Seal
- Gland Packing

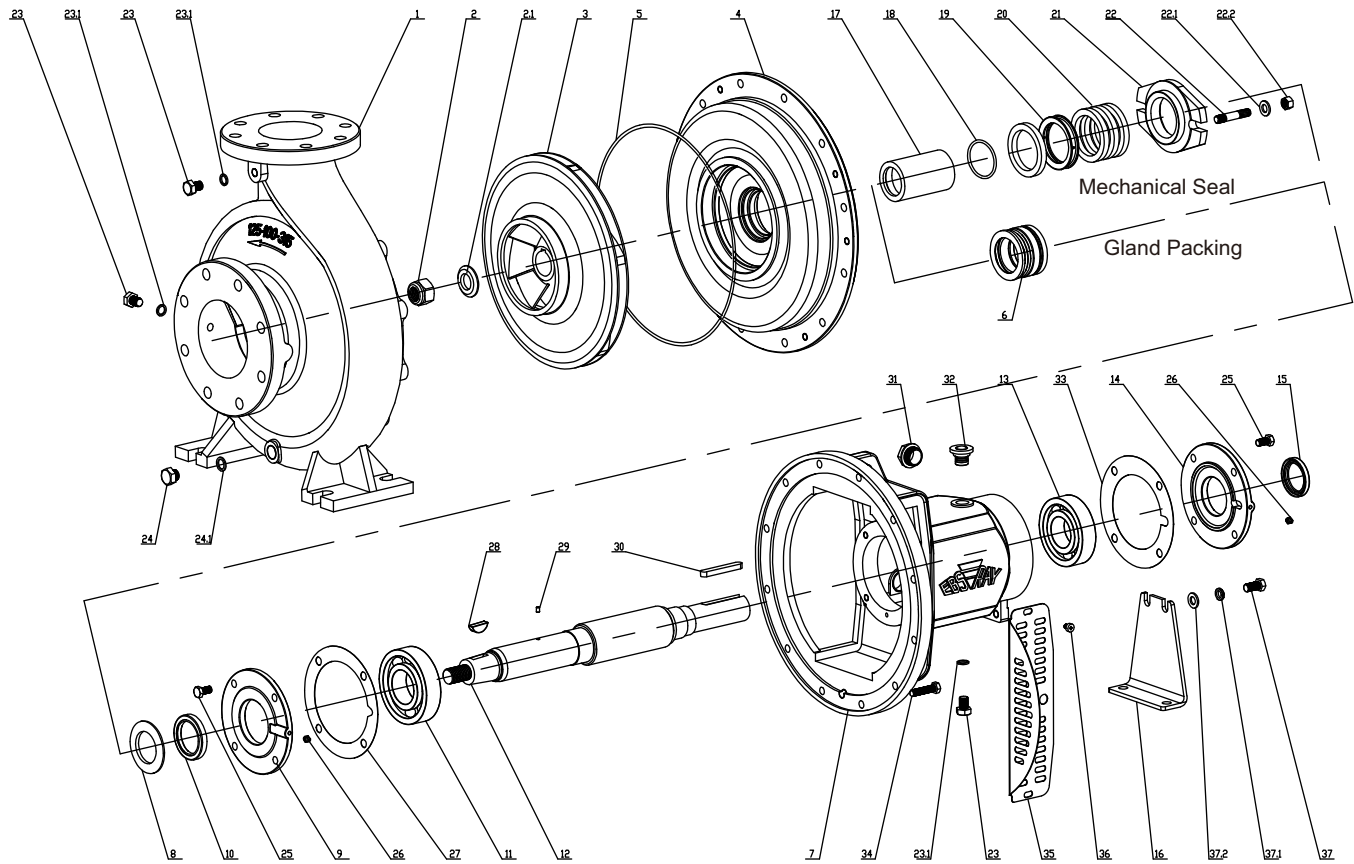
Material

Pump Part	Material
Casing	Cast Iron
	Ductile Iron
Impeller	Cast Iron
	Bronze
	Stainless Steel
Shaft	Carbon Steel
	Stainless Steel
Flange	PN16
	PN25
Working Pressure	1.6MPa
	2.5MPa

Operating Data

Flowrate: Max. 1000 m³/h
Head: Max. 160m
Discharge Diameter(mm): 32~200
Working Pressure(Mpa): 1.6~2.4
Temperature: -15°C~80°C (Normal Material)
80°C~120°C (Special Material)
Speed(r/min): 1450 / 2900 (50Hz),
1750 / 3500 (60Hz)

ISO PUMP Series Explode View & List of Parts

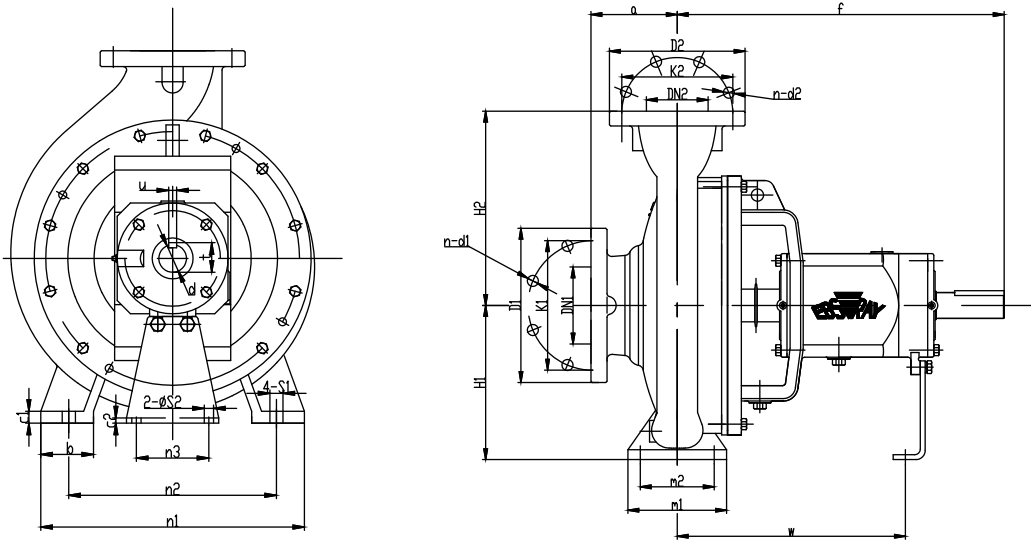


Code	Part Name
1	Casing
2	Impeller Nut
2.1	Wear ring retainer
3	Impeller
4	Cover
	Packing Cover
5	O-ring
6	MG9 Mech. Seal
7	Bearing Housing
8	Rubber Slinger
9	NDE Bering Cover
10	NDE oil Seal
11	NDE Bering
12	Mech. Seal Shaft
	Packing Shaft
13	DE Bering

Code	Part Name
14	DE Bering Cover
15	DE oil Seal
16	Support Foot
17	Packing Sleeve
18	O-ring
19	Gland Packing
20	Packing Seal Cage
21	Gland Cover
22	Stud Bolt
22.1	Flat Washer
22.2	Screw Nut
23	Plug
23.1	Plug gasket
24	Plug
24.1	Plug gasket
25	Screw Bolt

Code	Part Name
26	Oil Cup M6
27	NDE Throat Bushing Gasket
28	key
29	Pin
30	key
31	Oil Scale
32	Oil Cover
33	DE Throat Bushing Gasket
34	Screw Bolt
35	Guard
36	Bolt
37	Screw Bolt
37.1	Elastic Washer
37.2	Flat Washer

ISO PUMP Series Installation Dimensions



Model			Shaft No.	Pump Dimension				Mounting Dimension										Bolt Holes		Shaft End				Weight
Inlet	Outlet	Imp Dia		a	f	h1	h2	b	m1	m2	n1	n2	n3	c1	c2	w	S1	S2	d	t	u	l	Kg	
50	32	160	1	80	385	132	160	50	100	70	240	190	110	12	6	285	M12	M12	24	27	8	50	43	
50	32	200	1	80	385	160	180	50	100	70	240	190	110	13	6	285	M12	M12	24	27	8	50	49	
65	50	160	1	80	385	132	160	50	100	70	240	190	110	12	6	285	M12	M12	24	27	8	50	44	
65	40	200	1	100	385	160	180	50	100	70	265	212	110	13	6	285	M12	M12	24	27	8	50	51	
65	40	250	2	100	500	180	225	65	125	95	320	250	110	14	6	370	M12	M12	32	35	10	80	71	
65	40	315	2	125	500	200	250	65	125	95	345	280	110	16	6	370	M12	M12	32	35	10	80	90	
80	65	160	1	100	385	160	180	50	100	70	265	212	110	13	6	285	M12	M12	24	27	8	50	49	
80	50	200	1	100	385	160	200	50	100	70	265	212	110	13	6	285	M12	M12	24	27	8	50	53	
80	50	250	2	125	500	180	225	65	125	95	320	250	110	15	6	370	M12	M12	32	35	10	80	76	
80	50	315	2	125	500	225	280	65	125	95	345	280	110	18	6	370	M12	M12	32	35	10	80	94	
100	80	160	2	100	500	160	200	65	125	95	280	212	110	14	6	370	M12	M12	32	35	10	80	68	
100	65	200	2	100	500	180	225	65	125	95	320	250	110	15	6	370	M12	M12	32	35	10	80	72	
100	65	250	2	125	500	200	250	80	160	120	360	280	110	16	6	370	M16	M12	32	35	10	80	84	
100	65	315	3	125	530	225	280	80	160	120	400	315	110	18	8	370	M16	M12	42	45	12	110	122	
125	80	200	2	125	500	180	250	65	125	95	345	280	110	16	6	370	M12	M12	32	35	10	80	81	
125	80	250	2	125	500	225	280	80	160	120	400	315	110	18	6	370	M16	M12	32	35	10	80	88	
125	80	315	3	125	530	250	315	80	160	120	400	315	110	20	8	370	M16	M12	42	45	12	110	130	
125	80	400	3	125	530	280	355	80	160	120	435	355	110	20	8	370	M16	M12	42	45	12	110	163	
125	100	200	2	125	500	200	280	80	160	120	360	280	110	17	6	370	M16	M12	32	35	10	80	87	
125	100	250	3	140	530	225	280	80	160	120	400	315	110	18	8	370	M16	M12	42	45	12	110	122	
125	100	315	3	140	530	250	315	80	160	120	400	315	110	19	8	370	M16	M12	42	45	12	110	138	
125	100	400	3	140	530	280	355	100	200	150	500	400	110	20	8	370	M20	M12	42	45	12	110	175	
125	100	500	4	160	670	355	450	100	210	150	540	450	140	25	10	500	M20	M16	48	51	14	110	378	
150	125	250	3	140	530	250	355	80	160	120	400	315	110	19	8	370	M16	M12	42	45	12	110	135	
150	125	315	3	140	530	280	355	100	200	150	500	400	110	20	8	370	M20	M12	42	45	12	110	156	
150	125	400	3	140	530	315	400	100	200	150	500	400	110	21	8	370	M20	M12	42	45	12	110	193	
150	125	500	4	160	670	355	450	100	210	150	540	450	140	25	10	500	M20	M16	48	51	14	110	402	
200	150	315	4	160	670	315	400	100	210	150	540	450	140	20	10	500	M20	M16	48	51	14	110	274	
200	150	400	4	160	670	315	450	100	210	150	540	450	140	25	10	500	M20	M16	48	51	14	110	339	
200	150	500	4	160	670	400	500	100	210	150	540	450	140	25	10	500	M20	M16	48	51	14	110	426	
250	200	315	4	180	670	315	450	100	210	150	540	450	140	25	10	500	M20	M16	48	51	14	110	314	
250	200	400	4	180	670	355	500	100	210	150	540	450	140	25	10	500	M20	M16	48	51	14	110	340	

Model	Shaft No.	Pump Dimension				Mounting Dimension										Bolt Holes		Shaft End				Weight
		a	f	h1	h2	b	m1	m2	n1	n2	n3	c1	c2	w	S1	S2	d	t	u	l	Kg	
100-65-315-S	3N	125	530	225	280	80	160	120	400	315	110	18	8	370	M16	M12	42	45	12	110	122	
125-100-250-S	3N	140	530	225	280	80	160	120	400	315	110	18	8	370	M16	M12	42	45	12	110	122	
125-100-315-S	3N	140	530	250	315	80	160	120	400	315	110	19	8	370	M16	M12	42	45	12	110	138	

Only for firefighting

