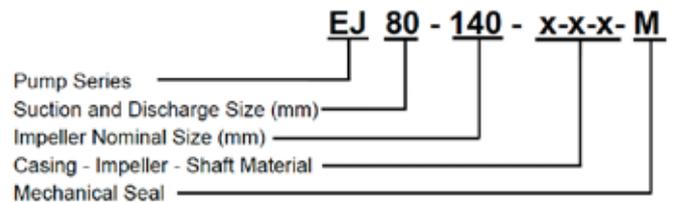


Self-Priming Sewage Pump

Series EJ



Pump Identification



Pump Description

EJ pump is designed referring to the European standard of performance and dimensions. This is a series of self-priming sewage pumps. Pump has maintenance holes outside the casing which enable convenient maintenance and cleaning; meanwhile, the other one advanced device - wear plate would greatly prolong the whole service life. EJ pumps are used for pumping mixtures containing abrasive solids up to a viscosity of 50mm /s. They are applied in many fields, such as industry, civil engineering, marine, waste treatment and so on.

As self-priming sewage pumps, they can deal with different neutral, alkali liquids clean or dirty; liquids mixed with sand, mud or other solids in suspension; low viscosity petroleum products: lime milk, caustic soda and waste water resulted from washing, cooling, circulation, purification or emergency.

Pump performance can be adjusted into different levels by speed (Rpm) to meet different requirements.

Applications

- Waste Water Treatment Plant
- Portable Emergency Fire Fighting
- Marine-Ballasting & Bilge
- Liquid Transfer: Clean or dirty water
- Cooling & Circulation

Materials

PUMP COMPONENT	STANDARD CONFIGURATION
Pump casing	Cast Iron*
Impeller	Ductile Iron*
Shaft	Stainless steel 304* ASTM 1045 (Carbon steel)
Shaft Seal	Single Mechanical* Tungsten-Sic-Viton SiC / SiC / Viton

* Other materials available on request

Design

Performance and Dimensions referring to the European standard

Structure

Semi-open Impeller, Horizontal, Axial End-Suction, Single-Stage, Single-Suction, Self-Priming Centrifugal Pump

Operating Data

Flow Rate (Q) : 4 - 400 m³/hr
 Head (H) : 4-40 m.
 Speed (rpm) : 1450 - 3500 rpm ;
 lower speed on request

Max Temperature: 105 C
 Working Pressure: 0.6 MPa
 Max Solids Size : 50 mm.
 Conveying Medium: Neutral,
 acid or alkali clean or dirty liquid,
 containing sand, mud or solids in suspension

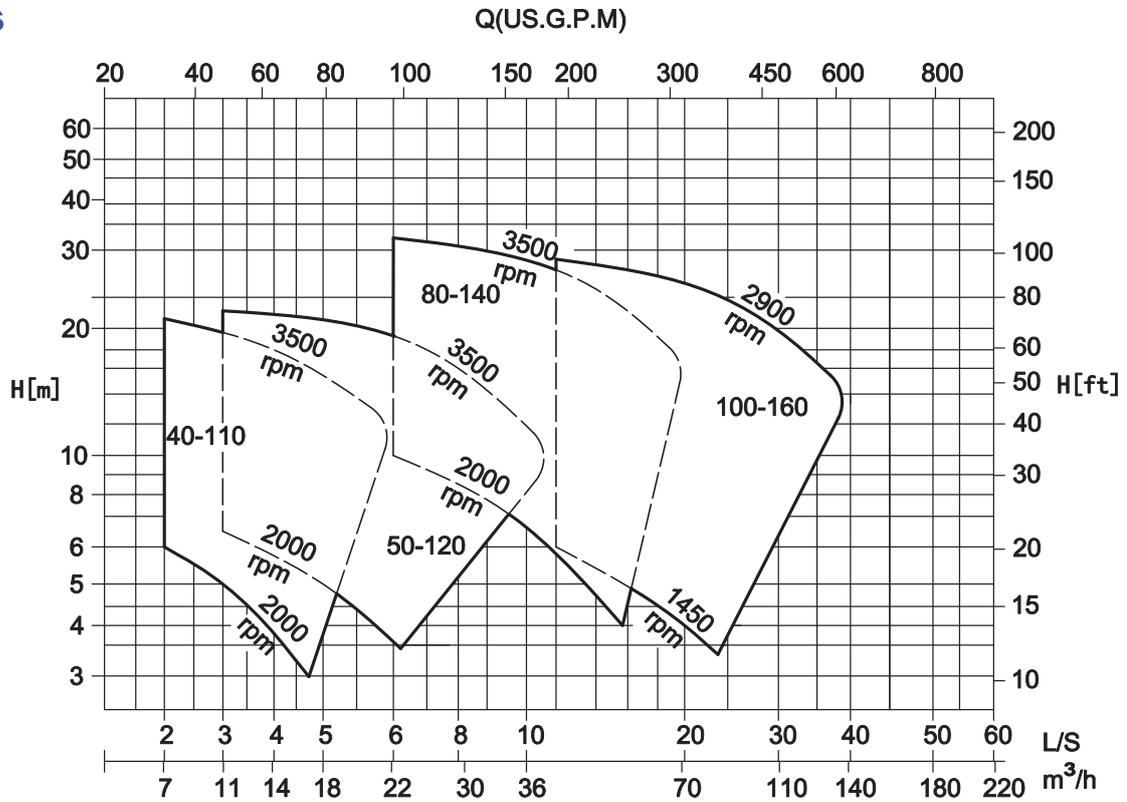
Self-Priming Sewage Pump

Series EJ

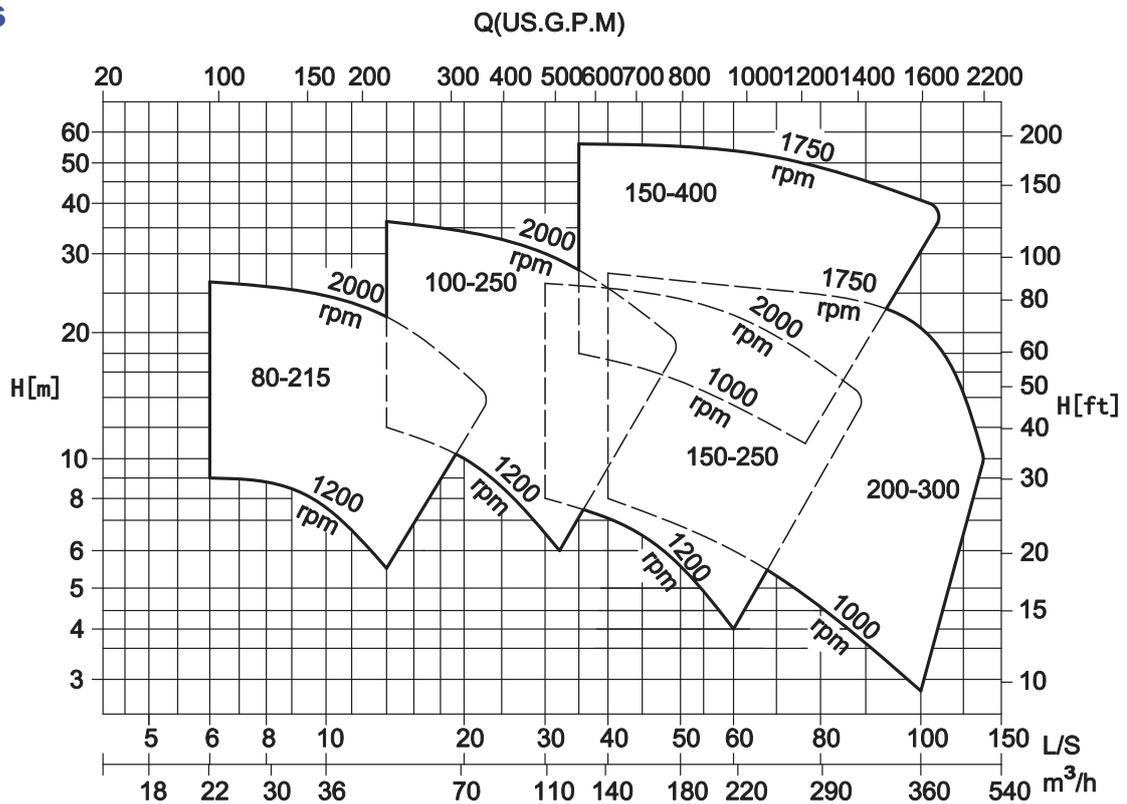


Performance Chart

2 Poles



4 Poles

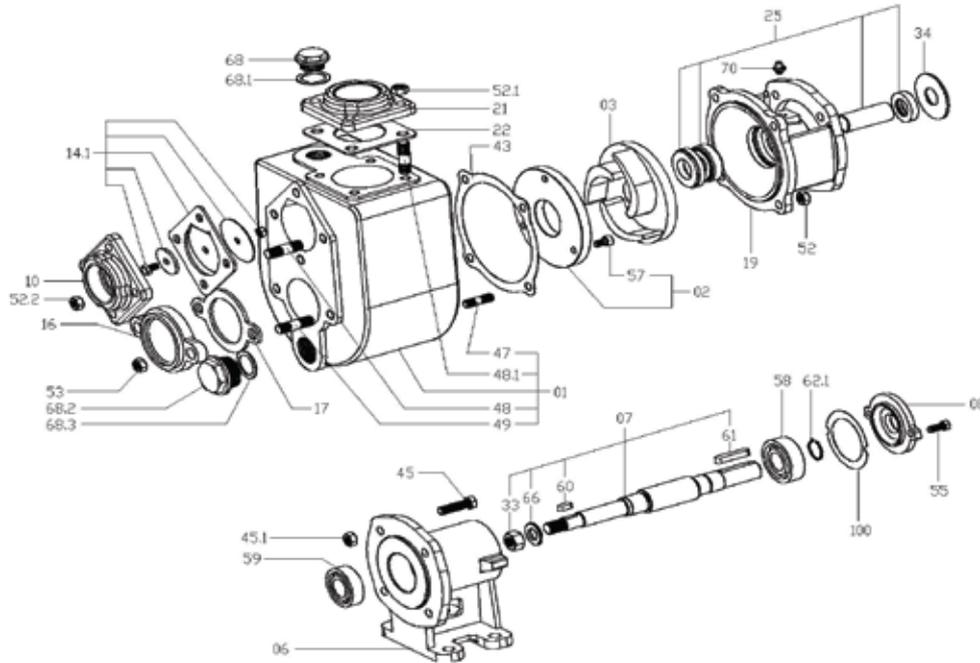


Self-Priming Sewage Pump

Series EJ



Assembly Drawing EJ



Item	Name
1	Pump Casing
2	Wear Plate
3	Impeller
6	Bearing Housing
7	Shaft
8	Bearing Cover
10	Suction Port
14.1	Rubber Check
	Front Plate-Check Valve
	Back Plate-Check Valve
	Screw Bolt
	Screw Nut
16	Drian Cover
17	Gasket (Drian)
19	Pump Cover

Item	Name
21	Discharge Port
22	Discharge Gasket
25	ShaftSleeve
	Oil Seal
	Mechanical Seal
33	Impeller Nut
34	Water Deflector
43	Casing Gasket
45	Screw Bolt
45.1	Screw Nut
47	Stud
48	Stud
48.1	Stud
49	Stud
52	Screw Nut

Item	Name
53	Screw Nut
55	Screw Bolt
57	Screw
58	Ball Bearing (End)
59	Ball Bearing (Front)
60	Key (Impeller)
61	Key End Shaft)
62.1	External Circlip
66	Washer
68	Plug (Priming)
68.1	O-ring
68.2	plug(Drain)
68.3	Gasket (Drain)
70	Oil Cup
100	Gasket(Bearing)

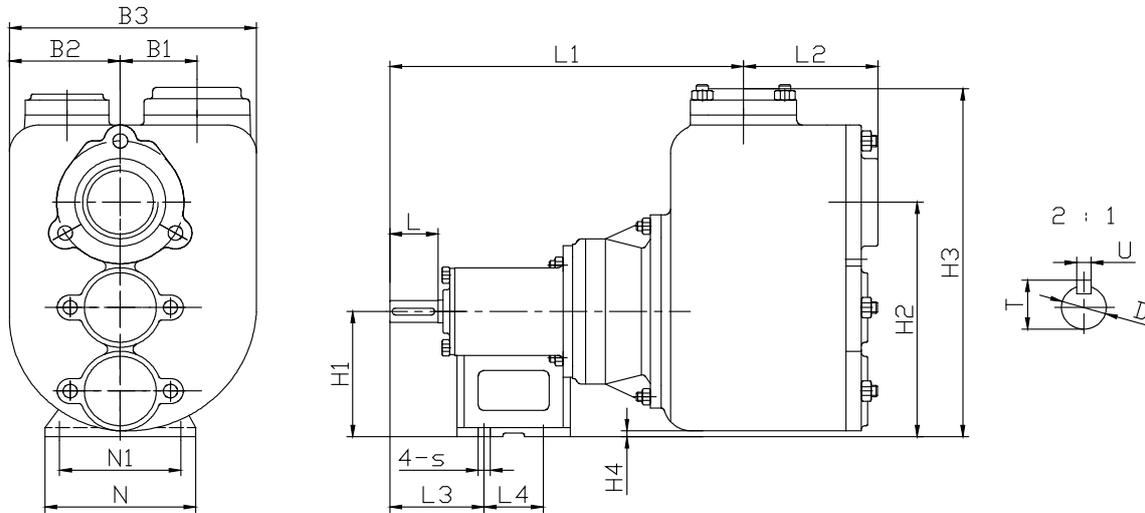


Self-Priming Sewage Pump

Series EJ

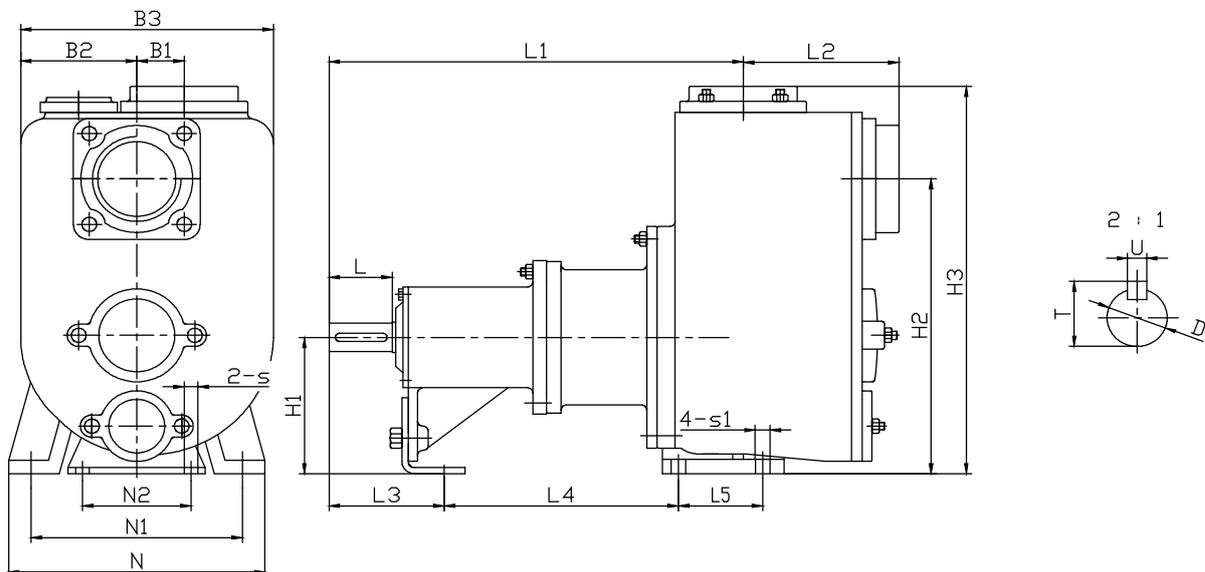
JET

ALPHA GROUP



All dimensions in mm.

MODEL	PUMP DIMENSIONS																			
	B1	B2	B3	L1	L2	H1	H2	H3	N1	N	f	a	L	L3	L4	T	U	D	s	
EJ 40-110	30	80	173	263	75	90	163	240	80	102	263	75	40	70	50	21.5	6	19	10	
EJ 50-120	36	94	210	300	114	110	206	306	103	128	300	114	41	80	50	21.5	6	19	12	
EJ 100-160	37	150	300	442	180	160	341	462	182	182	442	180	60	110	125	31	8	28	14	



MODEL	PUMP DIMENSIONS																			
	B1	B2	B3	L1	L2	H1	H2	H3	N2	N1	N	L	L3	L4	L5	S1	S	T	U	D
EJ 80-140	45	110	240	392	148	132	289	381	90	200	245	60	109	222	80	14	14	31	8	28
EJ 100-250	160	180	420	469	275	200	350	487	110	295	340	80	138	347	95	14	15	35	10	32
EJ 150-250	90	220	480	566	292	250	454	590	110	350	410	80	138	322	170	18	15	35	10	32
EJ 150-400	280	280	700	700	365	350	645	795	150	450	510	110	180	478	200	18	18	59	16	55
EJ 200-300	75	288	822	822	232	315	535	720	150	450	510	110	165	499	200	18	18	45	12	42

