



FA Series

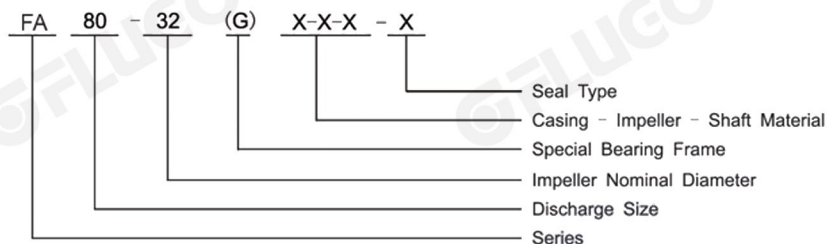
Centrifugal Pump



Description & Features

FLUGO FA series end suction centrifugal pumps are designed complying to BS EN733 / DIN24255 standard. This series of pumps have great advantages in interchangeable parts, high quality and low cost, wide applications in mining, petroleum, oil & gas, chemical industries.

Model Instruction



Material Code

C: Cast Iron
Q: Ductile Iron
B: Bronze
S: ASTM 420
45: ASTM 1045
S304: ASTM 304
S316: ASTM 316

- Bearing Frame Code
H: Bearing frame for double-row bearing
G: Bigger shaft and bearing frame
Default: Standard
- Seal Type
M: Mechanical Seal
P: Gland Packing

Design & Structure

Design	Performance and dimensions referring to the European standard BS EN733 / DIN24255
Structure	Horizontal, Axial End-Suction, Single-Stage, Single-Suction, Volute Casing, Back pull-out
DN (mm)	32 - 300
Flange	ISO7005.2 DIN2501 PN16 GB / T17241.6 PN1.6

Material

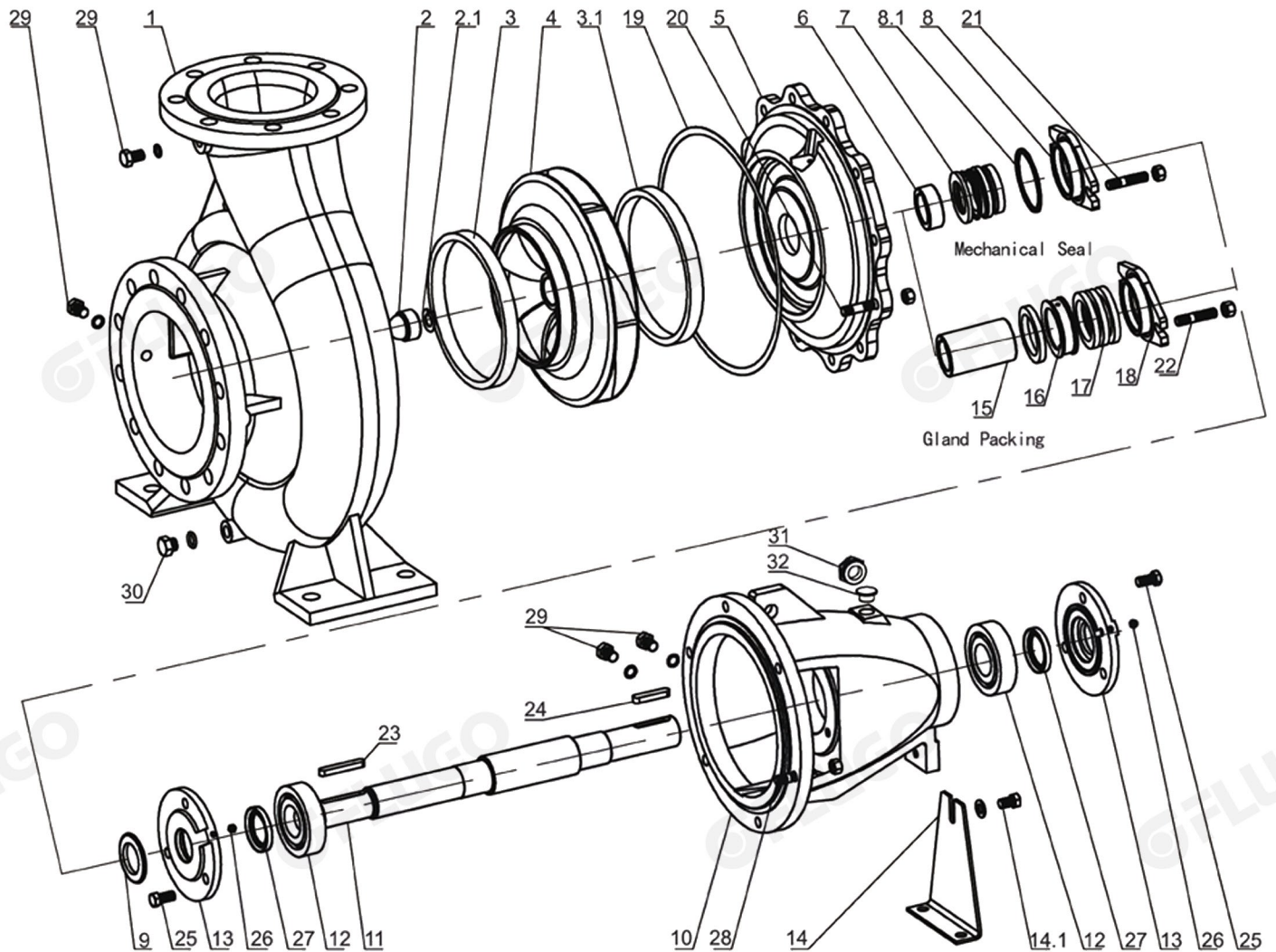
Part	Standard Material	Options on request
Casing	Cast Iron	Ductile Iron / ASTM304 / ASTM316
Impeller	Bronze	Cast Iron / ASTM304 / ASTM316
Shaft	ASTM420	ASTM304 / ASTM316 / ASTM1045
Shaft Seal	Mechanical Seal	Gland Packing

Applications

- methanol injection
- glycol pumping
- chemical processing
- gas sweetening
- oil transfer

Operating Data

Flow Rate(Q)	0.5-440 l/s
Head(H)	2-152 m
Speed	1450 or 2900 rpm (50Hz) / 1750 or 3500 rpm (60Hz)
Max Temperature	105°C
Working Pressure	1.0 MPa standard; 1.6 MPa on request
Conveying Medium	Oil, high density liquid

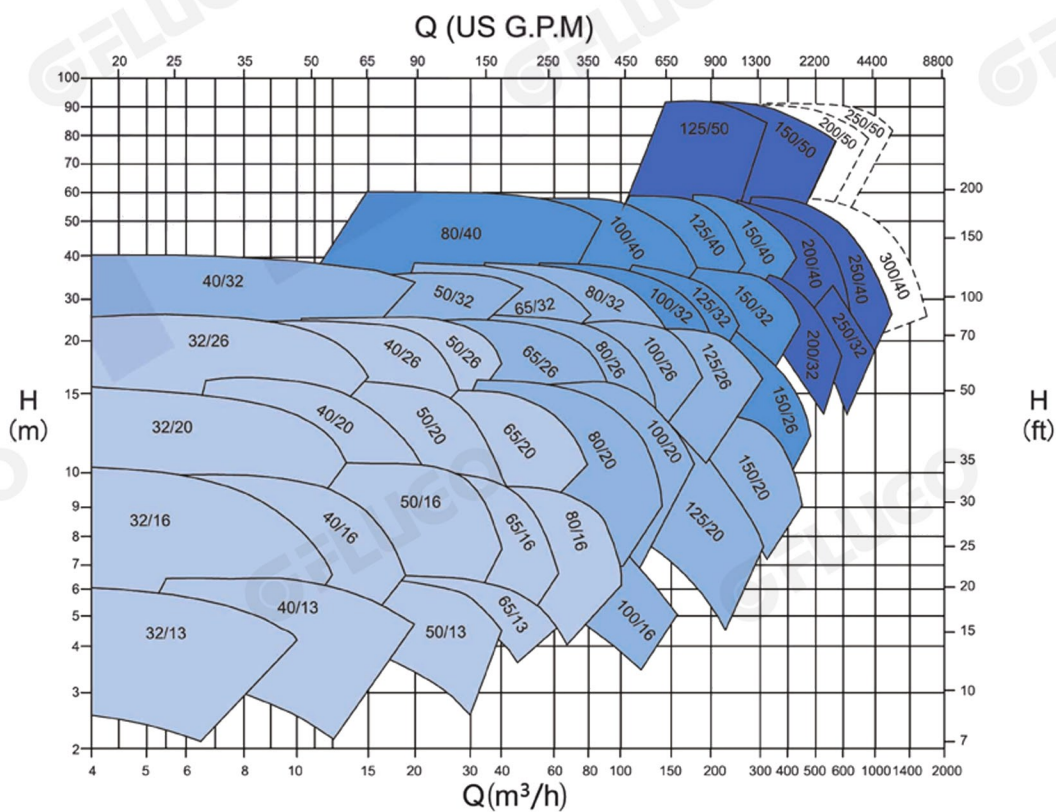
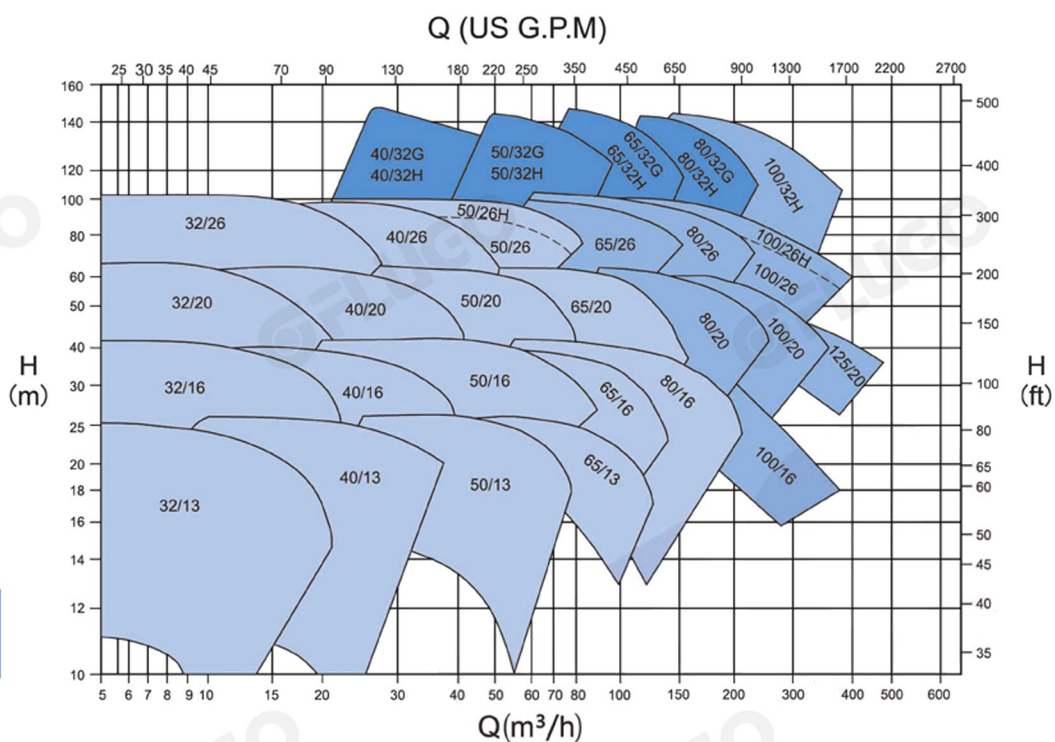


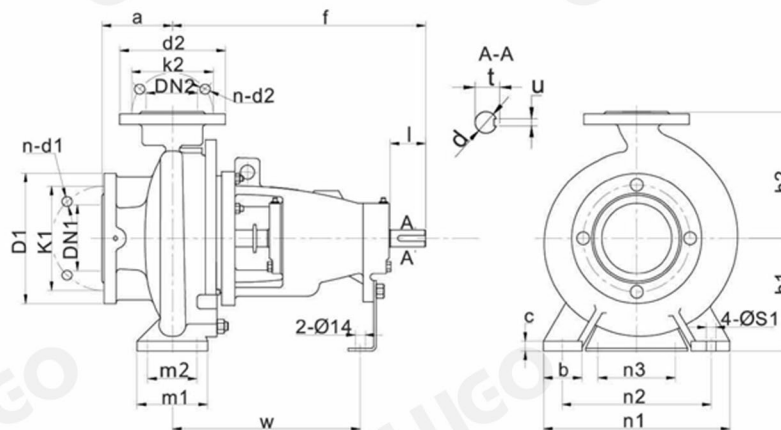
Code	Part Name
1	Casing
2	Impeller Nut
2.1	Lock Washer
3	Wear Ring (Front)
3.1	Wear Ring (Back)
4	Impeller
5	Casing Cover
6	Shaft Spacer
7	Mech.Seal
8	Seal Cover
8.1	O-ring
9	Rubber Slinger
10	Bearing Frame

Code	Part Name
11	Shaft
12	Bearing
13	Bearing Cover
14	Support Foot
14.1	Bolt & Nut
15	Packing Sleeve
16	Packing Seal Cage
17	Locating Sleeve
18	Gland Packing
19	Gland Cover
20	Casing Gasket
21	Stud & Nut

Code	Part Name
22	Stud & Nut
23	Key
24	Key
25	Screw Bolt
26	Oil Nipple
27	Felting
28	Oil Seal
29	Stud & Nut
30	Plug & Washer
31	Oil Scale
32	Oil Cover

■ Field Chart FA Series (50 Hz)





© FA Installation Dimensions

NO	Model	Bearing	DN1	DN2	a	f	h1	h2	b	c	n3	m1	m2	n1	n2	S1	w	d	l	t	u	
		Inside Dimension																				
1	FA32/13	25	50	32	80	360	112	140	50	14	100	100	70	190	140	14	267	24	50	27	8	
2	FA32/16						132	160														
3	FA32/20						160	180														
4	FA32/26						180	225														
5	FA40/13			40	80		125	112	140		65	100	100	70	210							160
6	FA40/16							132	160													
7	FA40/20							160	180													
8	FA40/26							180	225													
9	FA40/32	35	65	125	200	250		65	110	125	95	345	280									
10	FA40/32H				200	250																
11	FA40/32G				200	250																
12	FA50/13				132	160																
13	FA50/16	25	80	100	360	160	180	50	18	100	70	265	212									
14	FA50/20					160	200															
15	FA50/26					180	225															
16	FA50/26G					180	225															
17	FA50/32	35	65	125		470	225	65		18	125	95	345	280								
18	FA50/32H					470	225															
19	FA50/32G					526	200															
20	FA65/13					132	160															
21	FA65/16	25	80	100	465	160	180	65	14	125	95	280	212									
22	FA65/20					200	200															
23	FA65/20G					180	225															
24	FA65/26					200	250															
25	FA65/32	35	65	125		470	225	80	18	160	120	400	315									
26	FA65/32H					225	280															
27	FA65/32G					280	280															
28	FA80/16					180	225															
29	FA80/20	25	100	80	526	250	250	65	15	125	95	345	280									
30	FA80/26					280	280															
31	FA80/32					200	250															
32	FA80/32H					225	280															
33	FA80/32G	45	125	100		530	280	355	85	18	160	120	440	340								
34	FA80/40						315	400														
35	FA100/16						200	250														
36	FA100/20						225	280														
37	FA100/26	35	200	150	530		250	315	80	16	200	150	500	400								
38	FA100/32						280	355														
39	FA100/40						250	315														
40	FA125/20						280	355														
41	FA125/26	45	250	125		530	250	315	80	16	160	120	400	315								
42	FA125/32						280	355														
43	FA125/40						315	400														
44	FA125/50						355	450														
45	FA150/20	35	300	200	500		280	400	100	18	200	150	400	315								
46	FA150/26						250	355														
47	FA150/32						280	400														
48	FA150/40						315	450														
49	FA150/50	55	350	180		670	375	500	22	20	220	170	600	480								
50	FA200/26						555	315														
51	FA200/32						670	450														
52	FA200/40						335	480														
53	FA200/50	65	300	200	720		425	560	100	22	140	200	150	660	560							
54	FA250/32						691	355														
55	FA250/40						682	400														
56	FA250/50						450	670														
57	FA300/40	65	350	300		720	425	560	120	32	140	240	190	750	650							
							250	660														
							250	660														
							250	660														

Authorized Distributor



FA Series - End Suction Centrifugal Pump