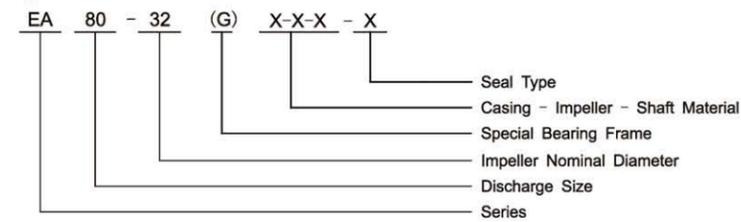




Description & Features

EIFEL EA 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 plants, mines, city water supplies, fire-fighting systems, air-condition systems and irrigation.

Model Instruction



Material Code

- C: Cast Iron
 - Q: Ductile Iron
 - B: Bronze
 - S: ASTM 420
 - 45: ASTM 1045
 - S304: ASTM 304
 - S316: ASTM 316
- H: Bearing frame for double-row bearing
 - G: Bigger shaft and bearing frame
 - Default: Standard
- 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

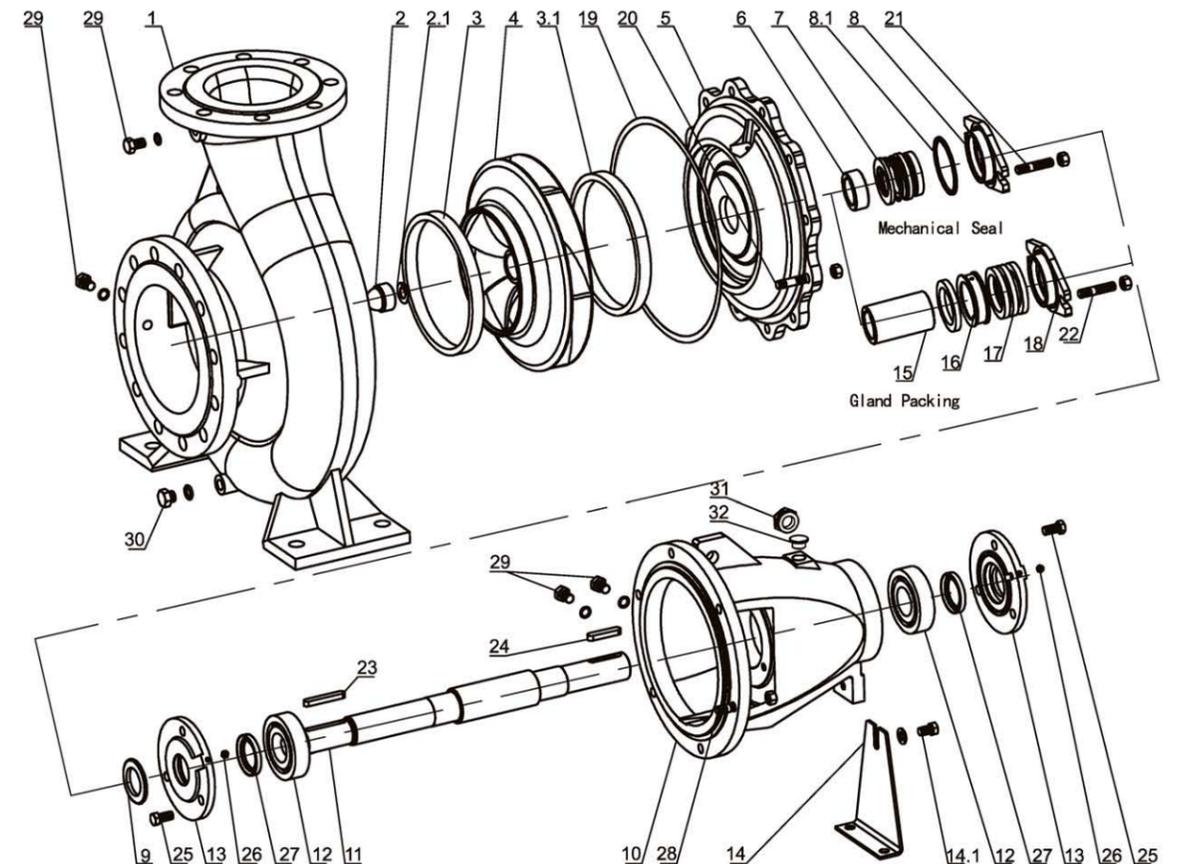
Operating Data

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	Clean water or liquids similar to clean water in physical property

Applications

- Heating, Ventilation and Air-Conditioning
- Fire Protection and Fire Fighting
- Water Circulation
- Liquid Transfer
- Irrigation
- Cooling
- Plants
- Mines

EA Series Explode View & List of Parts



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
	Locating Sleeve
17	Gland Packing
18	Gland Cover
19	Casing Gasket
20	Stud & Nut
21	Stud & Nut

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

Field Chart EA series (50Hz)

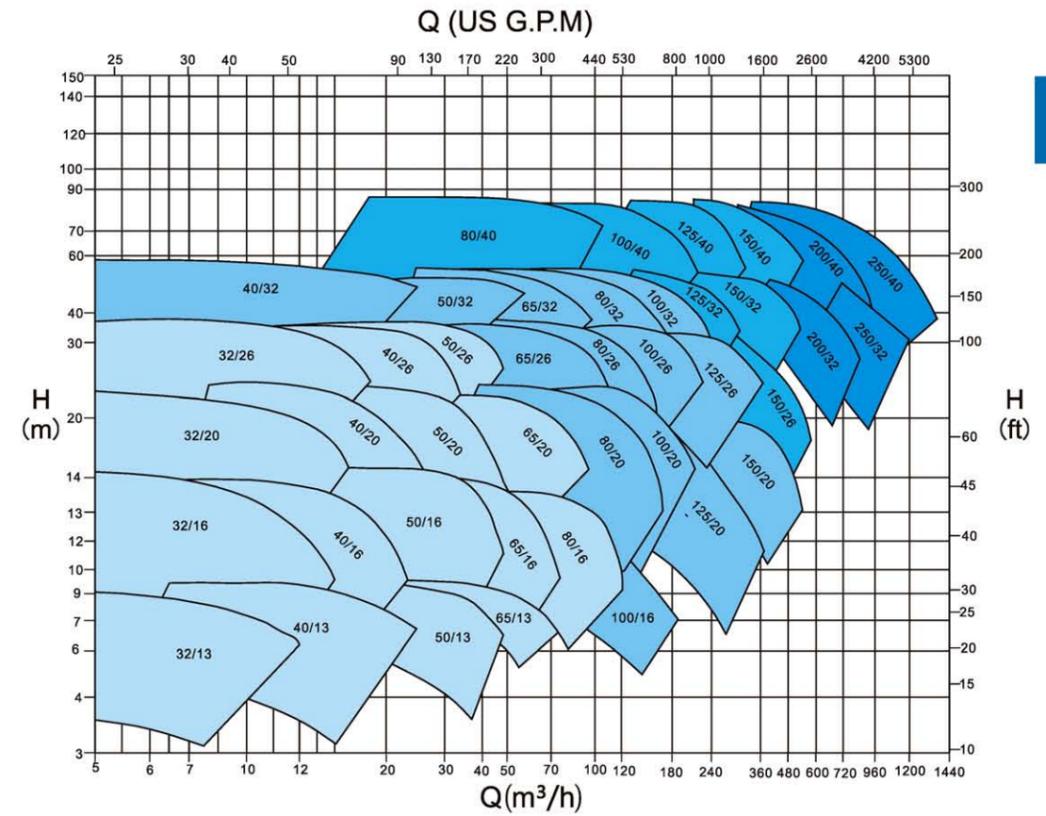
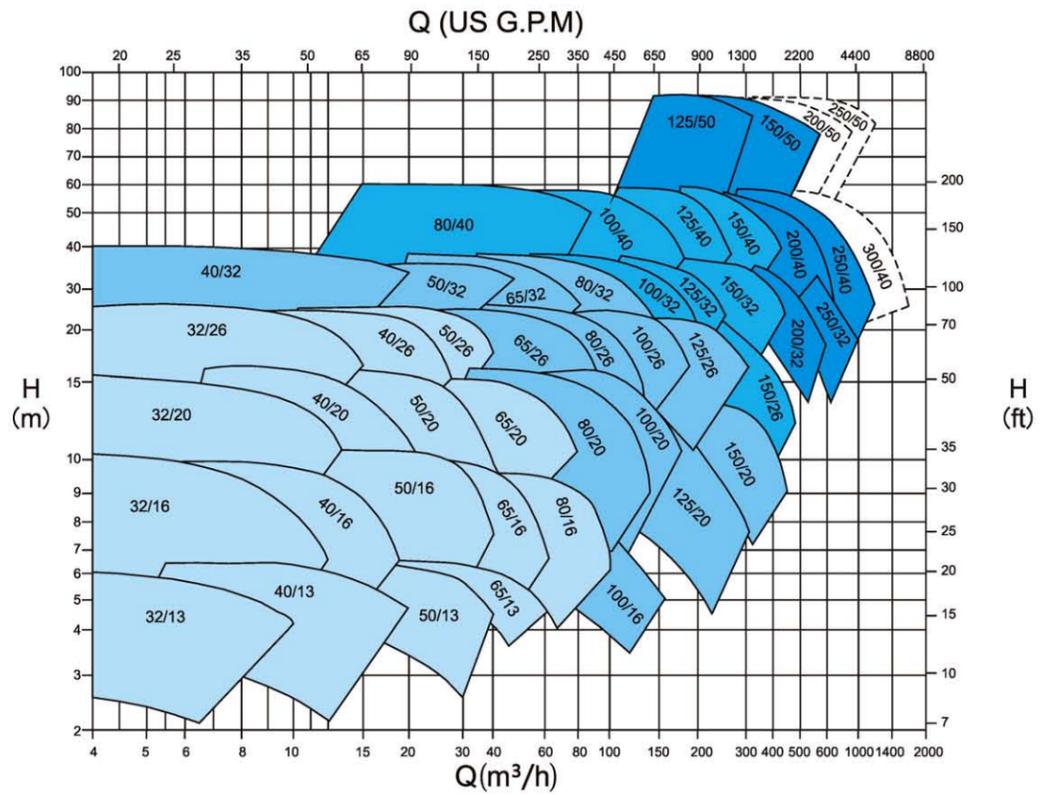
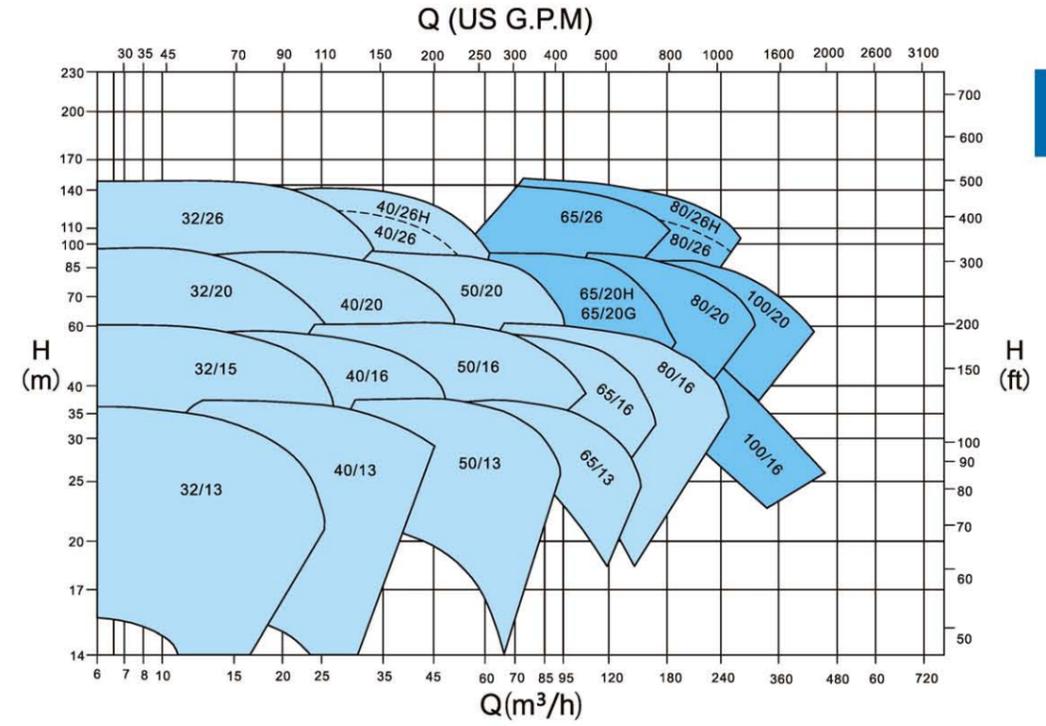
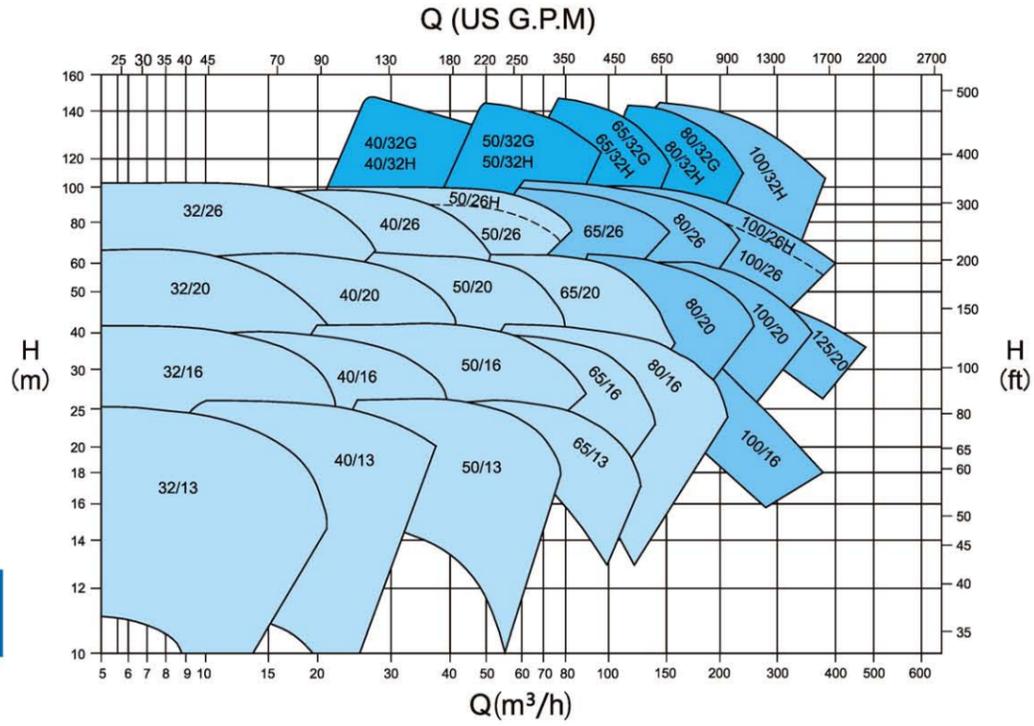
Field Chart EA series (60Hz)

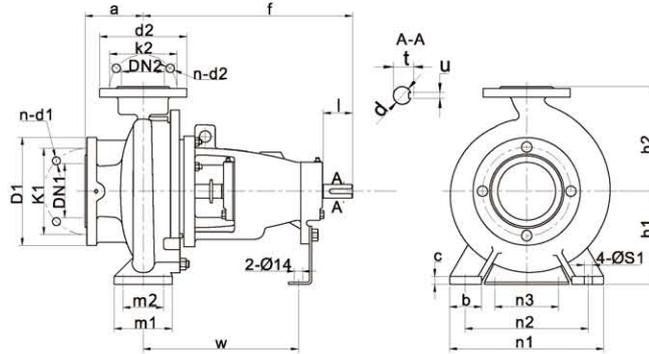
2900rpm

3500rpm

1750rpm

1450rpm





EA 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	EA32/13	25	32	50	80	360	112	140	50	65	14	100	100	70	190	140	14	267	24	50	27	8					
2	EA32/16						132	160							240	190											
3	EA32/20						160	180							320	250											
4	EA32/26						180	225							210	160											
5	EA40/13		40	80	100	360	112	140	50	65	14	100	100	70	240	190											
6	EA40/16						132	160							240	190											
7	EA40/20						160	180							265	212											
8	EA40/26						180	225							320	250											
9	EA40/32		40	125	100	470	200	250	65	18	110	125	95	345	280												
10	EA40/32H						200	250						342	32	80							35	10			
11	EA40/32G						526	200						367	42	110							45	12			
12	EA50/13						50	65						100	360	132							160	50	65	14	100
13	EA50/16		160	180	265	212																					
14	EA50/20		160	200	320	250																					
15	EA50/26		180	225	344																						
16	EA50/26G		50	125	100	470	225	280	65	18	125	95	345	280													
17	EA50/32	342					32	80					35	10													
18	EA50/32H	342					42	110					45	12													
19	EA50/32G	526					200	367					42	110	45	12											
20	EA65/13	25	65	80	100	360	160	180	65	14	125	95	280	212	18	342	32	80	35	10							
21	EA65/16						200	250					267	24							50	27	8				
22	EA65/20						180	225					320	250													
23	EA65/20G						465	200					339														
24	EA65/26		65	100	125	470	225	280	80	18	160	120	400	315													
25	EA65/32						342	32					80	35							10						
26	EA65/32H						526	200					367	42							110	45	12				
27	EA65/32G						360	180					225	250							267	24	50	27	8		
28	EA80/16		80	100	125	360	180	225	65	14	125	95	320	250													
29	EA80/20						250	280					345	280													
30	EA80/26						200	280					342	32							80	35	10				
31	EA80/32						470	225					400	315													
32	EA80/32H		80	140	100	530	280	355	85	18	160	120	440	340													
33	EA80/32G						370	42					110	45							12						
34	EA80/40						530	280					355	100							20	342	32	80	35	10	
35	EA100/16						470	200					250	280							80	16					
36	EA100/20	100	125	140	470	225	280	80	16	200	150	400	315														
37	EA100/26					250	315					400	315														
38	EA100/32					530	280					355	100	20	342	32	80	35	10								
39	EA100/40					530	280					355	100	20	370	42	110	45	12								
40	EA125/20	125	150	140	470	250	315	80	16	160	120	400	315														
41	EA125/26					355	400					342	32	80	35	10											
42	EA125/32					530	280					355	100	20	370	42	110	45	12								
43	EA125/40					530	315					400	315														
44	EA125/50	150	200	160	670	355	450	100	18	200	150	500	400														
45	EA150/20					500	280					400	315	342	32	80	35	10									
46	EA150/26					250	355					450	500	400	315	370	42		45	12							
47	EA150/32					530	280					400	315	450	350	370	42		45	12							
48	EA150/40	150	200	180	670	315	450	100	22	200	150	550	450														
49	EA150/50					670	375					500	500	480	110	51	14										
50	EA200/26					555	315					450	392	42	45	12											
51	EA200/32					670	335					480	120	20	505	48		51	14								
52	EA200/40	200	250	200	720	425	560	100	22	140	200	150	660	560													
53	EA200/50					691	355						520	515	60	140	64	18									
54	EA250/32					682	400						560	150	26	110	250	200	660	510	28	525	516	48	110	51	14
55	EA250/40					250	720						450	670	120	32	140	240	190	750	650	23	515	60	140	64	18
56	EA250/50	250	300	250	720	425	670	120	30	140	250	190	760	660	28	515	60	140	64	18							
57	EA300/40												760	660	28	515	60	140	64	18							