



Centrifugal Pump





FULL NAME Eifel Pump (Fuzhou) Corporation Ltd. (Eifel)
ADDRESS No.7, Yangyu Road, Phase 1st of Tieling Industry Zone, Minhou, Fuzhou, P.R.China
FOUNDED TIME September, 2004
BUSINESS SCOPE Pump, motor, diesel engine, complete sets of water-supply equipment

A PROFESSIONAL PUMP MANUFACTURER

Established in September 2004 as a Sino-foreign joint venture in Fujian Province, Eifel Pump (Fuzhou) Corp., Ltd. is specialized in supply of water pump products and complete equipments upon international standards. Eifel is a leading export manufacturer and supplier of industrial pump products. The production base of Eifel is located in Minhou, Fuzhou. With a modernized plant covering an area of 32,000m², Eifel has a national large pump testing center with grade 2 accuracy and sophisticated production facilities. Eifel seeks to catch up with international standards and our products have been authenticated as the National Scientific and Technological Achievements and the product quality has been approved by the National Center for Quality Supervision and Test of Fire Fighting Equipment. Meanwhile, Eifel has been internationally certified by UL (Underwriter Laboratories Inc.), PSB (Safety Standards in Singapore), etc.



ENDEAVORING IN CENTRIFUGAL PUMP SUPPLY CONFORMING TO INTERNATIONAL STANDARDS

Since the inception, with the development goal of providing internationally advanced water pump products and professional services, Eifel is able to provide over 10 series of water pumps products as the main products, such as DIN24255/EN733 standard horizontal single-stage end suction centrifugal pumps, ISO2858 standard horizontal single-stage end suction centrifugal pumps, horizontal close-coupled end suction centrifugal pumps, horizontal single-stage and double suction split casing pumps, vertical in-line circulation pumps, non-clogging and self-priming sewage pumps, vertical multiple stainless-steel centrifugal pumps and intelligent constant pressure (no negative pressure) water supplying equipments, which have taken a leading position in many fields and can be widely used in water supply system, fire-fighting system, HVAC system, cooling water circulating system, agricultural irrigation and sewage treatment of industry, construction, urban water supply and drainage, agricultural water, environmental protection and other industries.

COMPANY HONOR AND TECHNOLOGY ACHIEVEMENT

Eifel is a technological enterprise in Fujian and has passed the certifications of ISO9001:2015 Quality Management Systems and the National Work Safety Standardization. In 2014, the ES series split casing pumps jointly developed by Eifel and Jiangsu University was awarded the Appraisal Certificate of Outcome of Scientific Technology certified and issued by the State Scientific and Technological Commission. Over the years, Eifel has won various provincial, municipal and district-level science and technology awards and obtained many utility patents and invention patents for pump products.

Company Information



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EA series DIN24255/EN 733 standard end suction centrifugal pumps

Application:

- Water supply and drainage
- HVAC and Cooling Tower
- Marine-Ballasting & Bilge
- Booster and Pressurization Set
- Irrigation and agriculture
- Water supply and drainage
- Food and chemical industry (with stainless steel material)

Operating Data:			
Discharge Size	DN32~300mm	Flow Rate	4~1584m³/h
Head	2~150m		
Medium Temperature: -10~85°C(standard)		85~105°C(on special request)	
Working Pressure: ≤1.0MPa (standard)		≤1.6MPa(on special request)	

EAD series DIN24255/EN 733 standard end suction centrifugal pump & motor units

Application:

- Water supply and drainage
- HVAC and Cooling Tower
- Fire Protection and Fire Fighting
- Marine-Ballasting & Bilge
- Booster and Pressurization Set
- Irrigation and agriculture
- Water supply and drainage
- Food and chemical industry (with stainless steel material)

Operating Data:			
Discharge Size	DN32~300mm	Flow Rate	4~1584m³/h
Head	2~150m		
Medium Temperature: -10~85°C(standard)		85~105°C(on special request)	
Working Pressure: ≤1.0MPa (standard)		≤1.6MPa(on special request)	

EAZ series DIN24255/EN 733 standard close-coupled end suction centrifugal pumps

Application:

- Water supply and drainage
- HVAC and Cooling Tower
- Fire Protection and Fire Fighting
- Marine-Ballasting & Bilge
- Booster and Pressurization Set
- Irrigation and agriculture
- Water supply and drainage
- Food and chemical industry (with stainless steel material)

Operating Data:			
Discharge Size	DN32~150mm	Flow Rate	4~500m³/h
Head	8~150m		
Medium Temperature: -10~105°C			
Working Pressure: ≤1.0MPa (standard)		≤1.6MPa(on special request)	

EGM series DIN24255/EN 733 standard vertical in-line pumps

Application:

- Cold and Hot Water Circulation Pump
- Municipal water supply
- HVAC and Cooling Tower
- Booster Pump
- Pool and fountain water transfer

Operating Data:			
Discharge Size	DN40~200mm	Flow Rate	4~500m³/h
Head	8~150m		
Medium Temperature: -10~110°C			
Working Pressure: ≤1.0MPa (standard)		≤1.6MPa(on special request)	

ES series double-suction split casing pumps

Application:

- HVAC and Cooling Tower
- Municipal Water Supply
- Pump Station
- Marine and Ship Building
- Power Plant / Water Plant
- Industrial water supply system
- Fire Fighting System

Operating Data:			
Discharge Size	DN80~400mm	Flow Rate	36~3400m³/h
Head	8~190m		
Medium Temperature: -10~85°C(standard)		85~105°C(on special request)	
Working Pressure: ≤1.6MPa (standard)		≤2.5MPa(on special request)	

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ESD series double-suction split casing pump & motor units

Application:

- HVAC and Cooling Tower
- Municipal Water Supply
- Pump Station
- Marine and Ship Building
- Power Plant / Water Plant
- Industrial water supply system
- Fire Fighting System

Operating Data:			
Discharge Size	DN80~400mm	Flow Rate	36~3400m³/h
Head	8~190m		
Medium Temperature: -10~85°C(standard)		85~105°C(on special request)	
Working Pressure: ≤1.6MPa (standard)		≤2.5MPa(on special request)	

EJ series self-priming sewage pumps

Application:

- Waste Water Treatment Plant
- Wasing, Cooling, Circulation
- Smoke Scrubbing
- Marine - Ballasting & Bilge
- Liquid Transfer: clean or dirty water, mixed liquids, abrasive or corrosive liquids, low viscosity of petroleum products

Operating Data:			
Discharge Size	DN40~200mm	Flow Rate	4~468m³/h
Head	4~55m	Solids Size	≤76mm
Medium Temperature: -10~80°C			
Working Pressure: ≤0.6MPa			

EJZ series close-coupled self-priming sewage pumps

Application:

- Waste Water Treatment Plant
- Wasing, Cooling, Circulation.
- Smoke Scrubbing
- Marine-Ballasting & Bilge
- Liquid Transfer: clean or dirty water, mixed liquids, abrasive or corrosive liquids, low viscosity of petroleum products

Operating Data:			
Discharge Size	DN40~100mm	Flow Rate	4~145m³/h
Head	4~40m	Solids Size	≤50mm
Medium Temperature: -10~80°C			
Working Pressure: ≤0.6MPa			

EH series ISO 2858 standard high-efficiency end suction centrifugal pumps

Application:

- Water supply and drainage
- HVAC and Cooling Tower
- Fire Protection and Fire Fighting
- Marine-Ballasting & Bilge
- Booster and Pressurization Set
- Irrigation and agriculture
- Water supply and drainage

Operating Data:			
Discharge Size	DN32~200mm	Flow Rate	4~1200m³/h
Head	2~160m		
Medium Temperature: -15~80°C(standard)		80~145°C(on special request)	
Working Pressure: ≤1.6MPa (standard)		≤2.4MPa(on special request)	

FDL series vertical multistage centrifugal pumps

Application:

- Water Supply
- Industry
- Water Treatment
- Irrigation
- Liquid Transfer

Operating Data:			
Rated Flow	1~90 m³/h	Flow Range	0.7~120 m³/h
Max Efficiency	81%	Temperature Range	-10~104°C

EB/EBC series diesel engine centrifugal pumps & pump units

Application:

- Chemical Industry
- Water Circulation System
- Construction
- Irrigation
- Liquid Transfer on ships, oil tanks and other vessels

Operating Data:			
Discharge Size	DN50~80mm	Max Flow Rate	40m³/h
Max Suction Head	77m	Engine Speed	3600 rpm

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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

EA 80 - 32 (G) X-X-X - X

Seal Type
Casing - Impeller - Shaft Material
Special Bearing Frame
Impeller Nominal Diameter
Discharge Size
Series

Material Code

C: Cast Iron
Q: Ductile Iron
B: Brass
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	DIN2501 PN16 GB / T17241.6 PN1.6 (ANSI, JIS, AS...)	

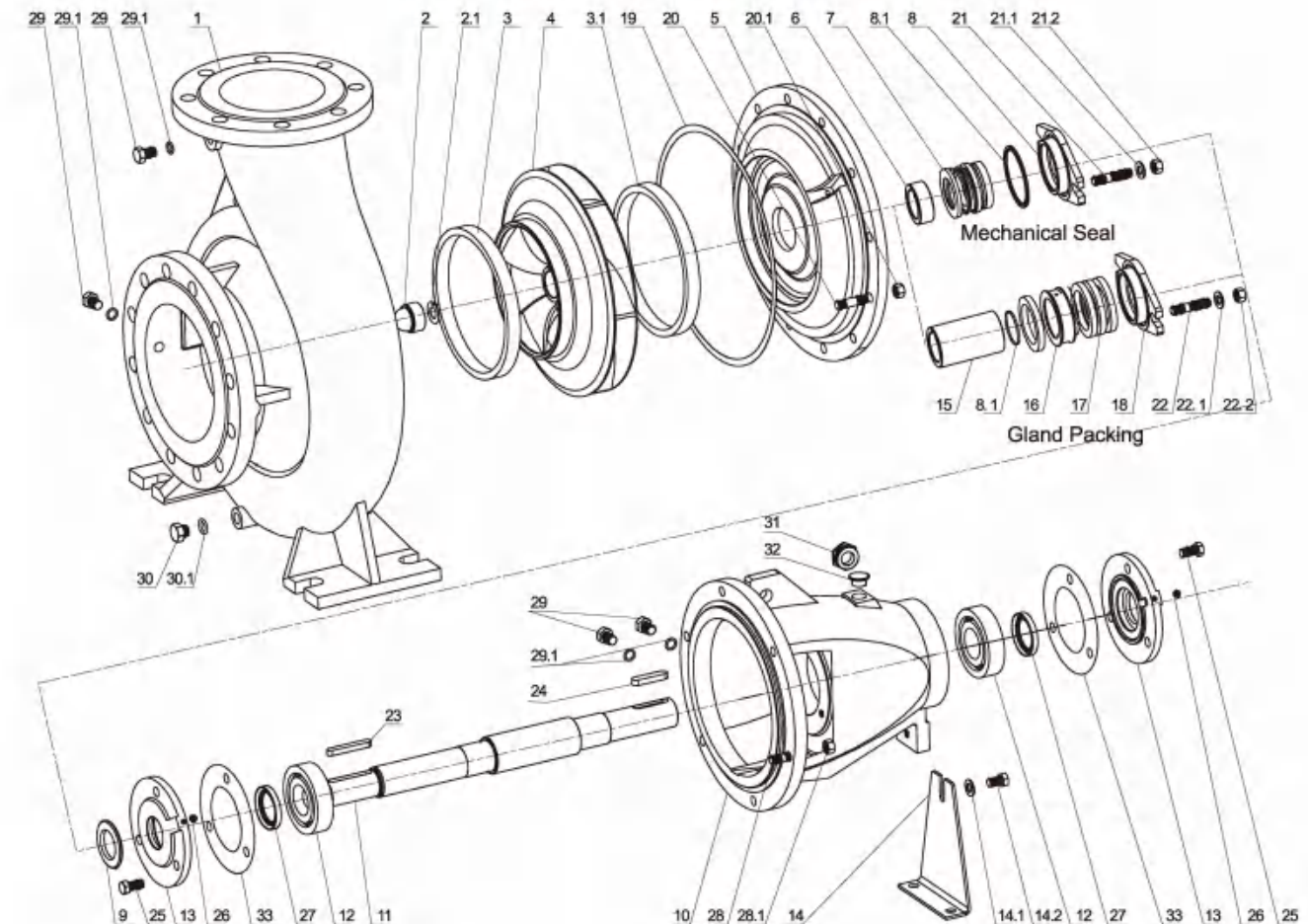
Material

Part	Standard Material	Options on request
Casing	Cast Iron	Ductile Iron / ASTM304(CF8) / ASTM316(CF8M)
Impeller	Brass	Cast Iron / ASTM304(CF8) / ASTM316(CF8M)
Shaft	ASTM420	ASTM304 / ASTM316 / ASTM1045
Shaft Seal	Mechanical Seal	Gland Packing

Operating Data

Flow Rate(Q)	4~1584 m ³ /h
Head(H)	2~150 m
Speed	1450 or 2900 rpm (50Hz) / 1750 or 3500 rpm (60Hz)
Max. Temperature	85°C(standard) ; 105°C(on request)
Working Pressure	1.0 MPa standard; 1.6 MPa on request
Conveying Medium	Clean water or liquids similar to clean water in physical property

EA Series Explode View & List of Parts



Code	Part Name
1	Casing
2	Impeller Nut
2.1	spring lock washer
3	Front-Wearring
3.1	Back-Wearring
4	Impeller
5	Casing Cover
6	Shaft Spacer
7	Mech.Seal
8	Seal Cover
8.1	O-ring
9	Rubber Slinger
10	Bearing Housing
11	Shaft
12	Bearing
13	Bearing Cover

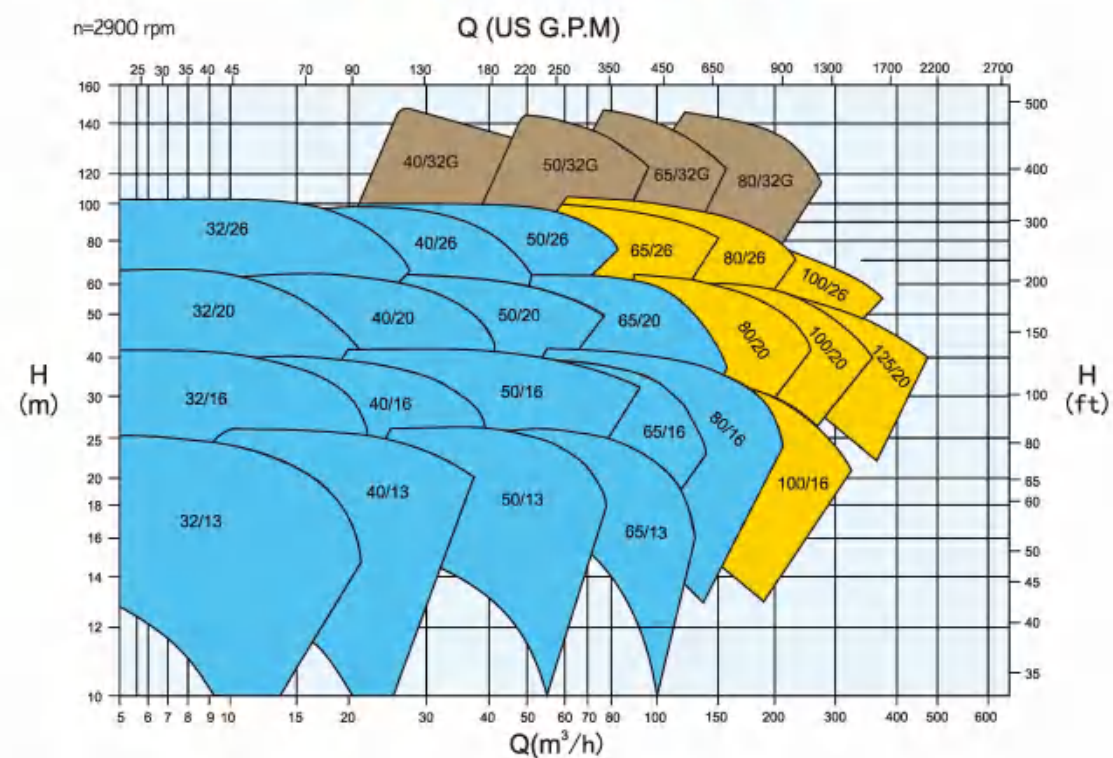
Code	Part Name
14	Support Foot
14.1	Flat Washer
14.2	Elastic Washer
14.3	Screw Bolt
15	Packing Sleeve
16	Packing Seal Cage
17	Throat Bushing
18	Gland Packing
19	Gland Cover
20	Casing Gasket
20.1	Stud Bolt
21	Stud Bolt
21.1	Flat Washer
21.2	Screw Nut
22	Stud Bolt
22.1	Flat Washer

Code	Part Name
22.2	Screw Nut
23	Key
24	Key
25	Screw Bolt
26	Oil Cup M6
27	Felting
27	Oil Seal
28	Stud Bolt
28.1	Screw Nut
29	Plug
29.1	plug gasket
30	Plug
30.1	plug gasket
31	Oil Scale
32	Oil Cover
33	Throat Bushing Gasket

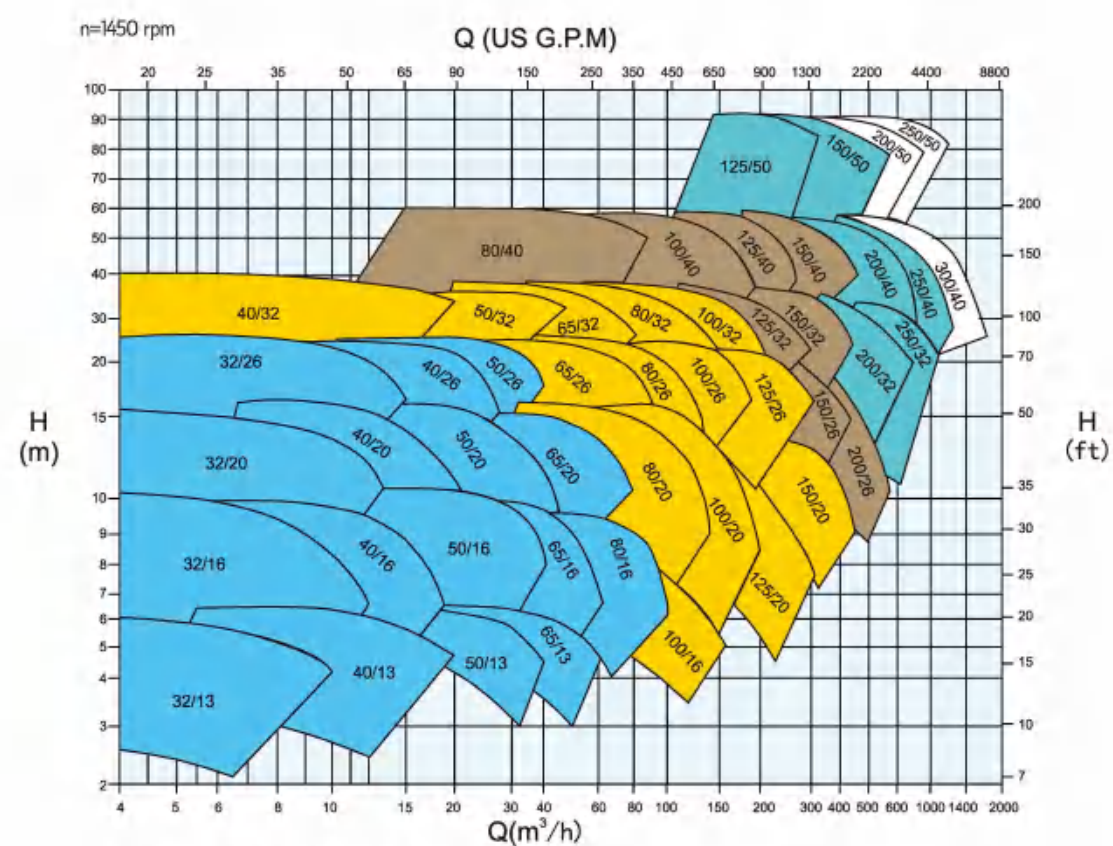
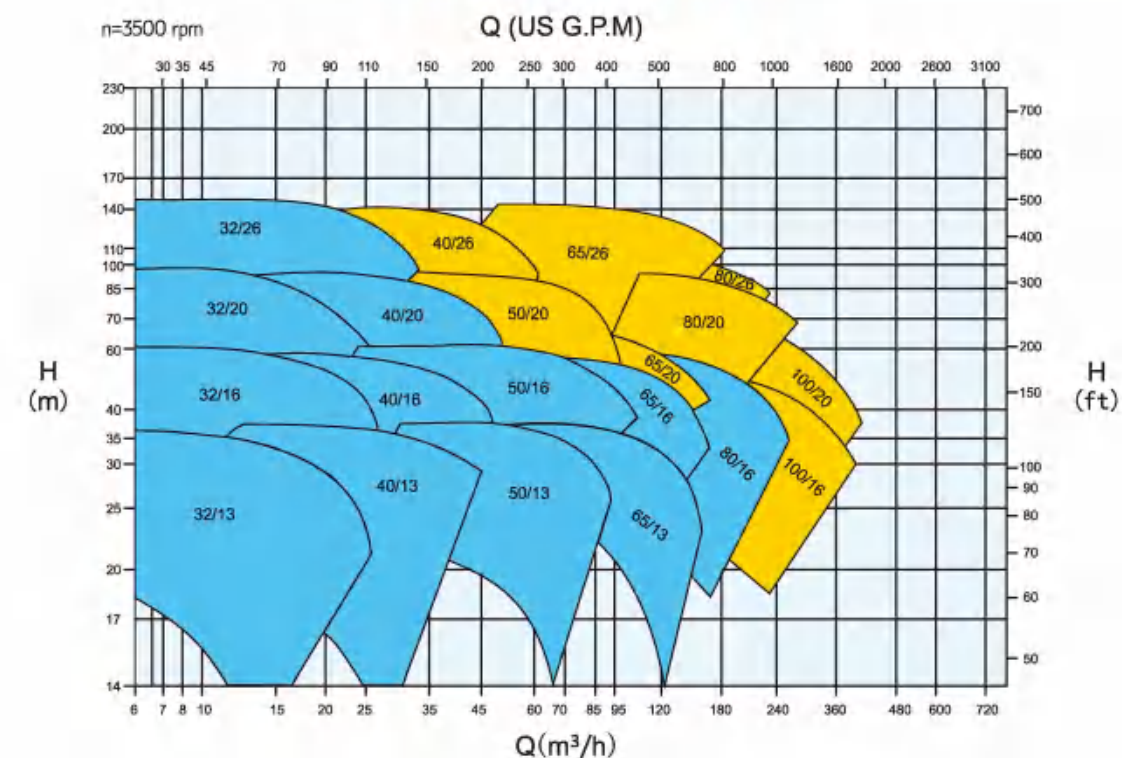
Applications

- Water supply and drainage
- HVAC and Cooling Tower
- Marine - Ballasting & Bilge
- Booster and Pressurization Set
- Irrigation and agriculture
- Water supply and drainage
- Food and chemical industry (with stainless steel material)

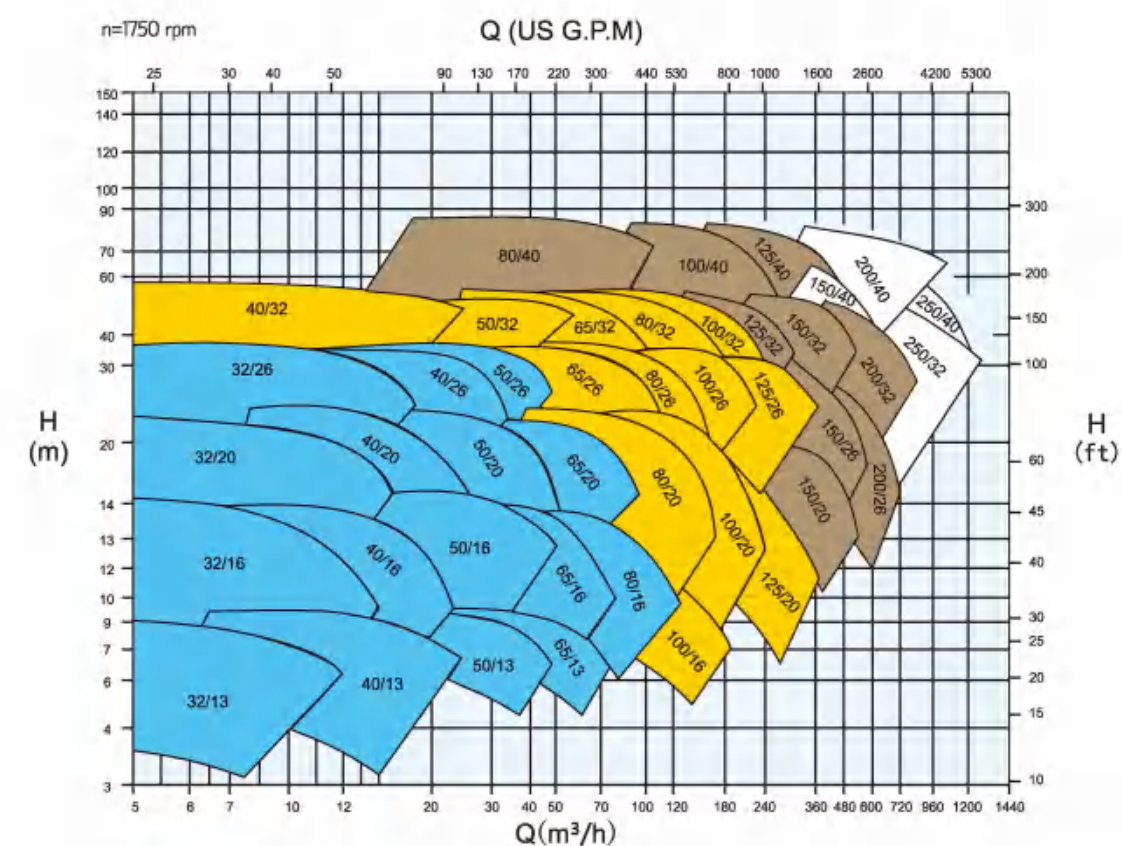
EA Series-50Hz Performance



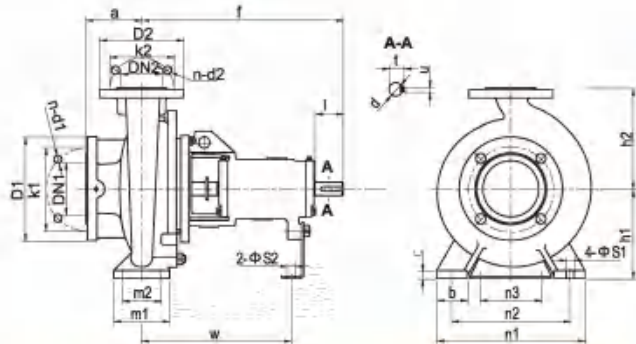
EA Series-60Hz Performance



Performance to ISO9906 Grade 2 for clean cold water only



Performance to ISO9906 Grade 2 for clean cold water only



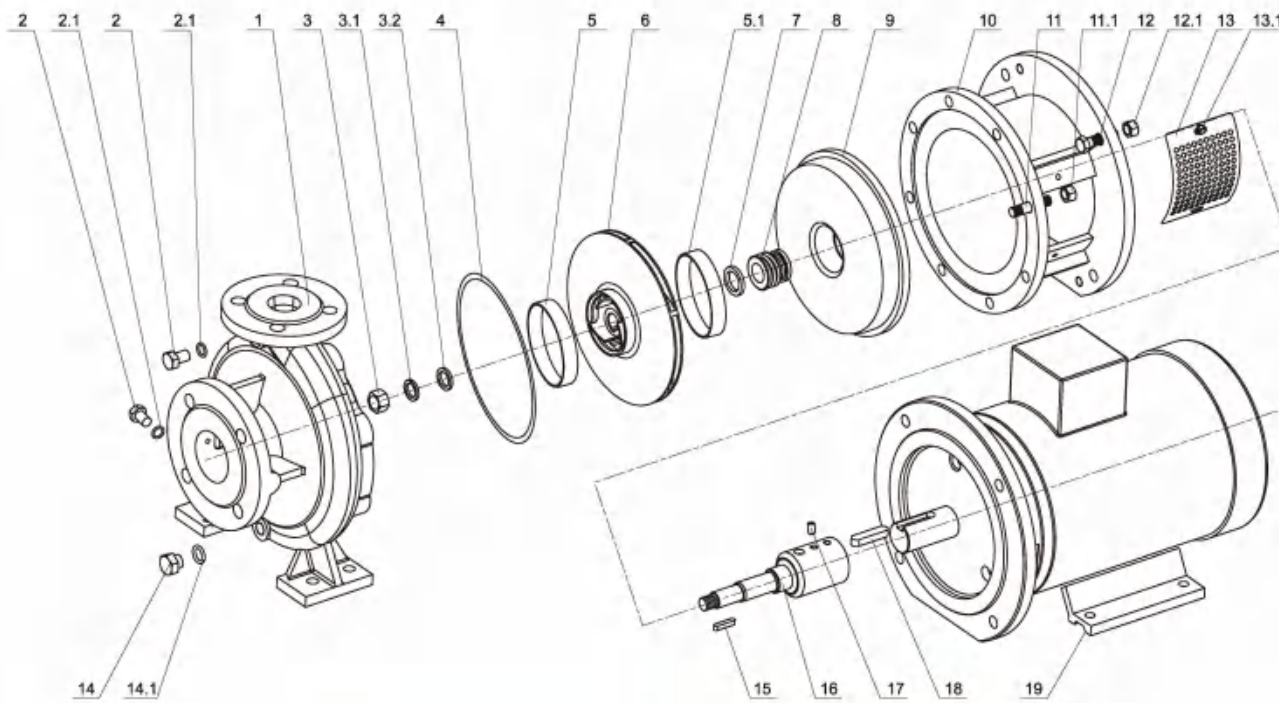
Flange Dimensions (ISO7005.2 DIN2501 PN16 GB/T17241.6 PN1.6)

DN1/DN2	32	40	50	65	80	100	125
D1/D2	140	150	165	185	200	220	250
K1/K2	100	110	125	145	160	180	210
n-d1/n-d2	4-Φ18	4-Φ18	4-Φ18	4-Φ18	8-Φ18	8-Φ18	8-Φ18

DN1/DN2	150	200	250	300	350	400
D1/D2	285	340	405	460	520	580
K1/K2	240	295	355	410	470	525
n-d1/n-d2	8-Φ22	12-Φ22	12-Φ26	12-Φ26	16-Φ26	16-Φ30

Model	Bearing Inner Dia.	Inlet DN2	Outlet DN1	a	f	n1	n2	b	c	n3	m1	m2	n1	n2	S1	S2	w	d	l	t	u	Weight (kg)
EA32/13	25	32	50	80	360	112	140	50	14	100	100	70	190	140	14	110	267	24	50	27	8	29
EA32/16						132	160						35									
EA32/20						160	180						47									
EA32/26				180		225	58															
EA40/13				40		80	112	140					31									
EA40/16		132	160		34																	
EA40/20		160	180		45																	
EA40/26		100	180		225	61																
EA40/32			470		200	250	94															
EA40/32G			526	200	250	105																
EA50/13	50		100	360	132	160	35															
EA50/16					160	180	39															
EA50/20		160			200	49																
EA50/26		125		180	225	65																
EA50/26G				470	225	280	68															
EA50/32			470	225	280	105																
EA50/32G			45	50	65	125	526	225	280	18												
EA65/13			25	65	80	100	360	160	180	41												
EA65/16		160						200	47													
EA65/20		180						225	55													
EA65/20G	465	200					250	60														
EA65/26	470	225					280	87														
EA65/32	45	80		100	470	225	280	18														
EA65/32G						525	225	280	18													
EA80/16						25	360	180	225	14												
EA80/20					35	100	125	180	250	65												
EA80/26								470	200	280	15											
EA80/32	526	250	315	16																		
EA80/32G		530	280	355				83														
EA80/40		530	280	355				80														
EA100/16	35	100	125	470	200	280	15															
EA100/20					225	280	80															
EA100/26					250	315	16															
EA100/32				526	250	315	18															
EA100/32G					530	280	355	100														
EA100/40		530	280		355	100																
EA125/20		45	125	150	530	250	315	16														
EA125/26						250	355	80														
EA125/32						280	355	18														
EA125/40					160	315	400	25														
EA125/50	670					355	450	18														
EA150/20	500		280	400		22																
EA150/26	45		150	200		250	355	100														
EA150/32						530	280	400	18													
EA150/40					315	450	22															
EA150/50					670	375	500	20														
EA200/26		555			315	450	20															
EA200/32	55	200	250	670	315	480	120															
EA200/40					335	480	120															
EA200/50					720	425	560	100														
EA250/32				250	300	220	691	355	520	26												
EA250/40							682	400	560	110												
EA250/50		720	450				670	32														
EA300/40		65	300			350	300	720	425	120												
EA300/40		65	300			350	300	720	425	120												

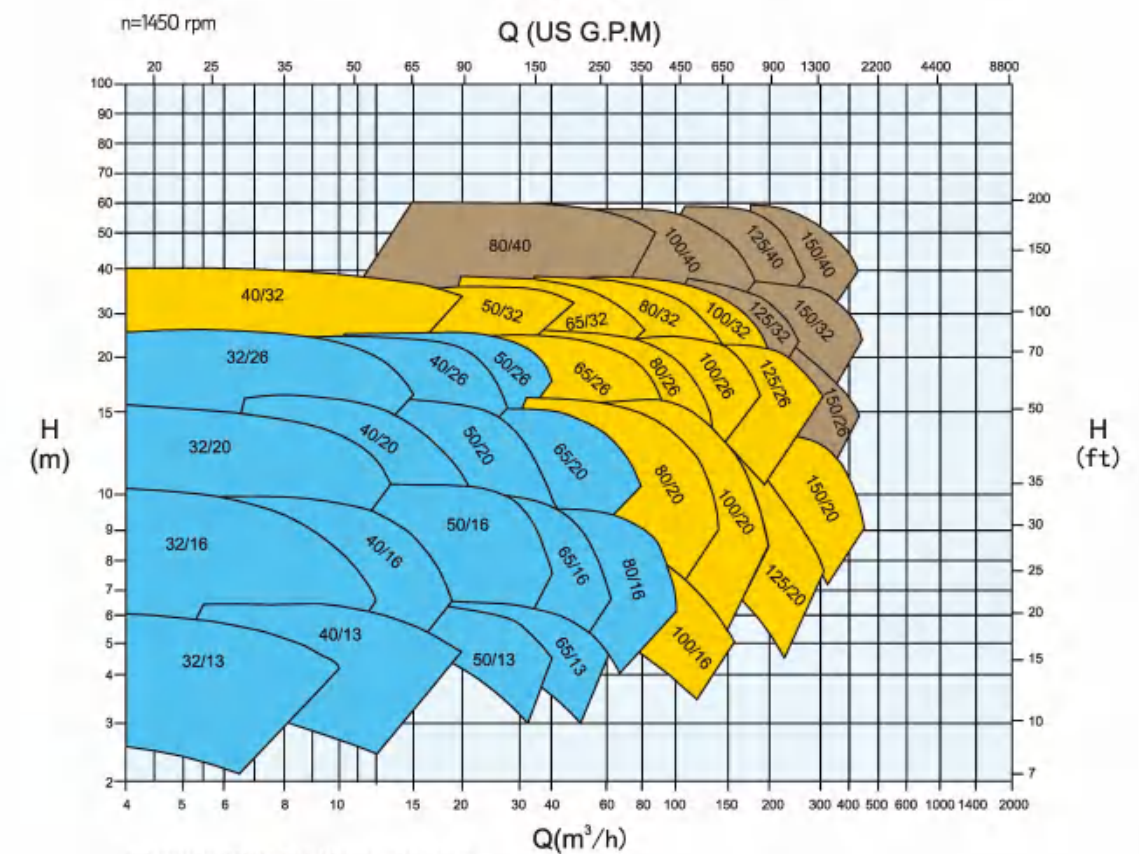
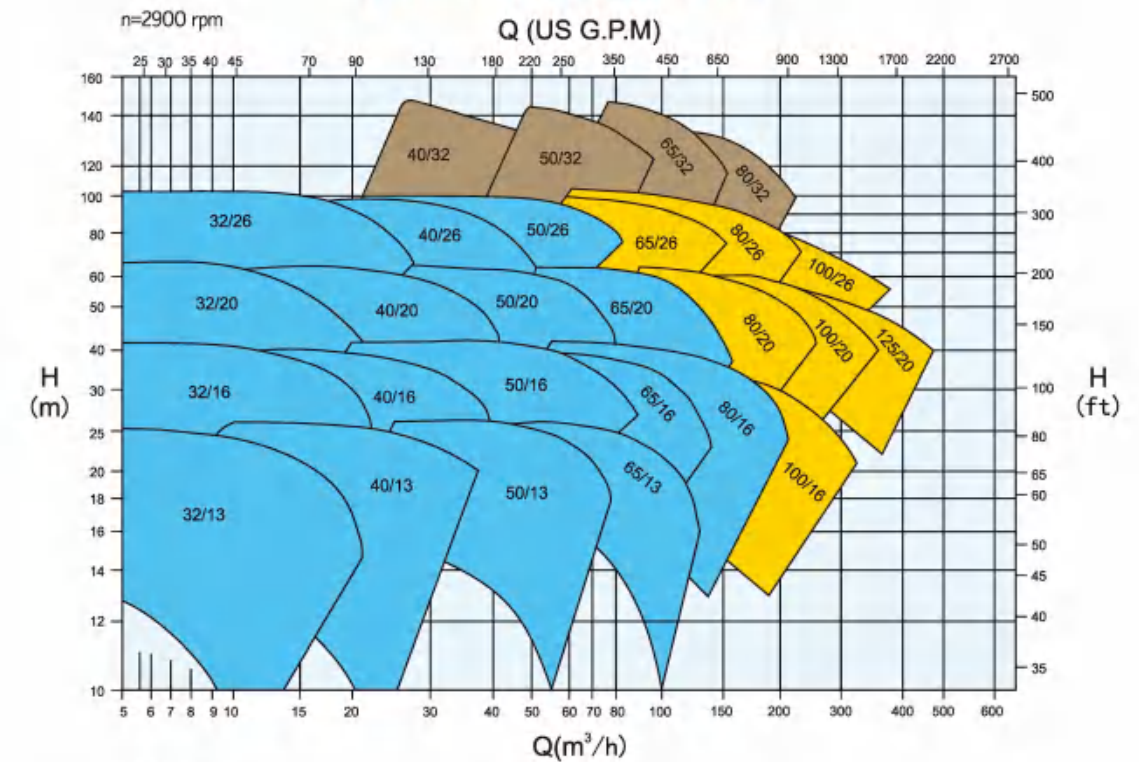
EAZ Series Explode View & List of Parts



Code	Part Name
1	Casing
2	Plug
2.1	Plug Spacer
3	Nut
3.1	Flat Washer
3.2	Spring Washer
4	Casing Gasket
5	Front-Wear Ring
5.1	Back-Wear Ring
6	Impeller
7	Seal Seat
8	Mech.Seal
9	Casing Cover
10	Adapter

Code	Part Name
11	Screw Bolt
11.1	Screw Nut
12	Screw Bolt
12.1	Screw Nut
13	Guard
13.1	Screw
14	Plug
14.1	Plug Spacer
15	key
16	Shaft
17	Screw
18	key
19	Motor

EAZ Series-50Hz Performance

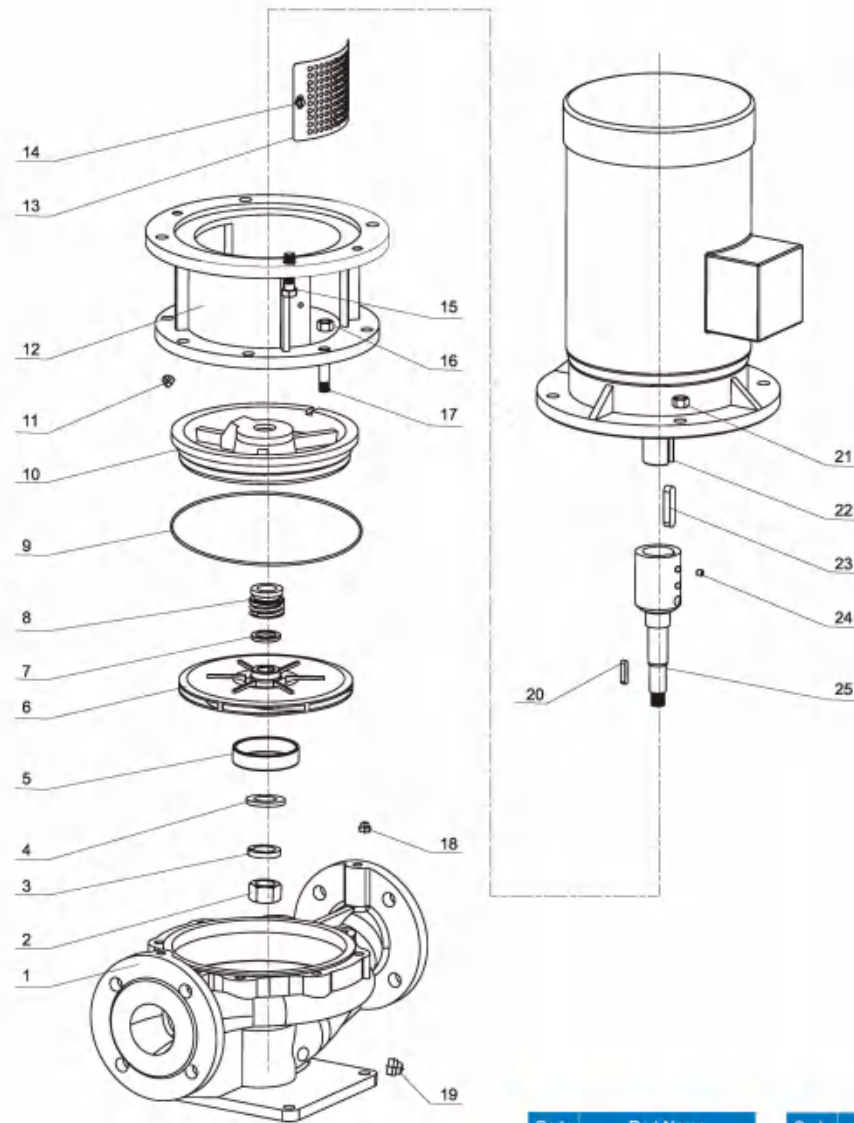


Performance to ISO9906 Grade 2 for clean cold water only

EAZ	Motor(B35)	Flange	Installation Dimensions(mm)																		Weight(kg)																	
Model	Model	kw	DN1	DN2	a	h1	h2	L1	L2	L	A	B	H	H2	m1	m2	n1	n2	S1	S2	Pump	Motor	Total															
EAZ50/16-00554	Y2-80L-4	0.55	65	50			180	152	167	407	125	100	80	220	100	70	265				10	35	15	51														
EAZ50/16-00754	Y2-80L-4	0.75																															35	17	52			
EAZ50/16-01104	Y2-90S-4	1.1																															36	22	58			
EAZ50/16-01504	Y2-90L-4	1.5																															36	27	62			
EAZ50/16-05502	Y2-132S1-2	5.5																																42	65	107		
EAZ50/16-07502	Y2-132S2-2	7.5	80	65			200	187	241	577	216	140	132	345	125	95	280				12	42	69	111														
EAZ50/16-11002	Y2-160M1-2	11																															45	108	153			
EAZ50/16-15002	Y2-160M2-2	15																															45	109	154			
EAZ65/16-00754	Y2-80L-4	0.75																																39	17	56		
EAZ65/16-01104	Y2-90S-4	1.1																																40	22	62		
EAZ65/16-01504	Y2-90L-4	1.5	100	80	125	180	225	152	160.5	422	140	125	90	250	125	95	280				14	40	27	67														
EAZ65/16-02204	Y2-100L1-4	2.2																															42	34	75			
EAZ65/16-05502	Y2-132S1-2	5.5																															47	65	112			
EAZ65/16-07502	Y2-132S2-2	7.5																															47	69	116			
EAZ65/16-11002	Y2-160M1-2	11																															49	108	157			
EAZ65/16-15002	Y2-160M2-2	15	100	80	125	180	225	219	279.5	724	254	210	160	420	125	95	280				15	49	109	158														
EAZ65/16-18502	Y2-160L-2	18.5																															49	133	182			
EAZ80/16-01504	Y2-90L-4	1.5																																49	27	76		
EAZ80/16-02204	Y2-100L1-4	2.2																																51	34	85		
EAZ80/16-03004	Y2-100L2-4	3																																51	37	88		
EAZ80/16-11002	Y2-160M1-2	11	100	80	125	180	225	219	279.5	724	254	210	160	420	125	95	320	250				15	58	108	166													
EAZ80/16-15002	Y2-160M2-2	15																																	58	109	167	
EAZ80/16-18502	Y2-160L-2	18.5																																	58	133	191	
EAZ80/16-22002	Y2-180M-2	22																																	58	155	213	
EAZ80/16-30002	Y2-200L1-2	30																																	66	224	290	
EAZ100/16-02204	Y2-100L1-4	2.2	125	100	125	200	250	222	307.5	882	318	305	200	505	160	120	360	280	18			19	70	34	104													
EAZ100/16-03004	Y2-100L2-4	3																																	70	37	107	
EAZ100/16-04004	Y2-112M-4	4																																	71	47	118	
EAZ100/16-15002	Y2-160M2-2	15																																	78	109	187	
EAZ100/16-18502	Y2-160L-2	18.5																																	78	133	211	
EAZ100/16-22002	Y2-180M-2	22	125	100	125	200	250	246	307	836	279	241	180	455	160	120	360	280	18			15	80	155	235													
EAZ100/16-30002	Y2-200L1-2	30																																	82	224	306	
EAZ32/20-00554	Y2-80L-4	0.55																																		38	16	54
EAZ32/20-00754	Y2-80L-4	0.75																																		38	17	55
EAZ32/20-01104	Y2-90S-4	1.1																																		39	22	62
EAZ32/20-01504	Y2-90L-4	1.5	50	32	80	160	180	152	173	422	140	125	90	250								10	39	27	66													
EAZ32/20-04002	Y2-112M-2	4																																	42	43	85	
EAZ32/20-05502	Y2-132S1-2	5.5																																	44	65	109	
EAZ32/20-07502	Y2-132S2-2	7.5																																	44	69	114	
EAZ32/20-11002	Y2-160M1-2	11																																	49	108	157	
EAZ40/20-00754	Y2-80L-4	0.75	65	40		100	160	187	241	577	216	140	132	345	100	70						12	37	17	54													
EAZ40/20-01104	Y2-90S-4	1.1																																	38	22	61	
EAZ40/20-01504	Y2-90L-4	1.5																																	38	27	65	
EAZ40/20-05502	Y2-132S1-2	5.5																																	43	65	108	
EAZ40/20-07502	Y2-132S2-2	7.5																																	43	69	112	
EAZ40/20-11002	Y2-160M1-2	11	65	50		100	160	219	292	724	254	210	160	420	100	70						15	48	108	156													
EAZ50/20-01104	Y2-90S-4	1.1																																	43	22	65	
EAZ50/20-01504	Y2-90L-4	1.5																																	43	27	70	
EAZ50/20-02204	Y2-100L1-4	2.2																																	46	34	79	
EAZ50/20-07502	Y2-132S2-2	7.5																																	48	69	117	
EAZ50/20-11002	Y2-160M1-2	11	65	50	100	160	200	222	292	727	254	210	160	420	100	70	265	212				15	53	108	161													
EAZ50/20-15002	Y2-160M2-2	15																																	53	109	162	
EAZ50/20-18502	Y2-160L-2	18.5																																	53	133	185	
EAZ65/20-02204	Y2-100L1-4	2.2																																		50	34	83
EAZ65/20-03004	Y2-100L2-4	3																																		50	37	86
EAZ65/20-04004	Y2-112M-4	4	80	65	100	180	225	164	186.5	504	190	140	112	300	125	95	320	250				12	50	47	96													
EAZ65/20-15002	Y2-160M2-2	15																																	57	109	166	
EAZ65/20-18502	Y2-160L-2	18.5																																	57	133	189	
EAZ65/20-22002	Y2-180M-2	22																																	57	155	212	
EAZ65/20-30002	Y2-200L1-2	30																																	63	224	288	
EAZ80/20-03004	Y2-100L2-4	3	100	80	125	180	250	180	195.5	505	160	140	100	270	125	95	345	280				12	56	37	93													
EAZ80/20-04004	Y2-112M-4	4																																	56	47	103	
EAZ80/20-05504	Y2-132S-4	5.5																																	60	65	125	
EAZ80/20-07504	Y2-132M-4	7.5																																	60	79	138	
EAZ80/20-22002	Y2-180M-2	22																																	68	155	223	
EAZ80/20-30002	Y2-200L1-2	30	100	80	125	180	250	238	323.5	898	318	305	200	505	125	95	345	280				19	70	224	294													
EAZ80/20-37002	Y2-200L2-2	37																																	70	235	305	
EAZ80/20-45002	Y2-225M-2	45																																	75	286	360	

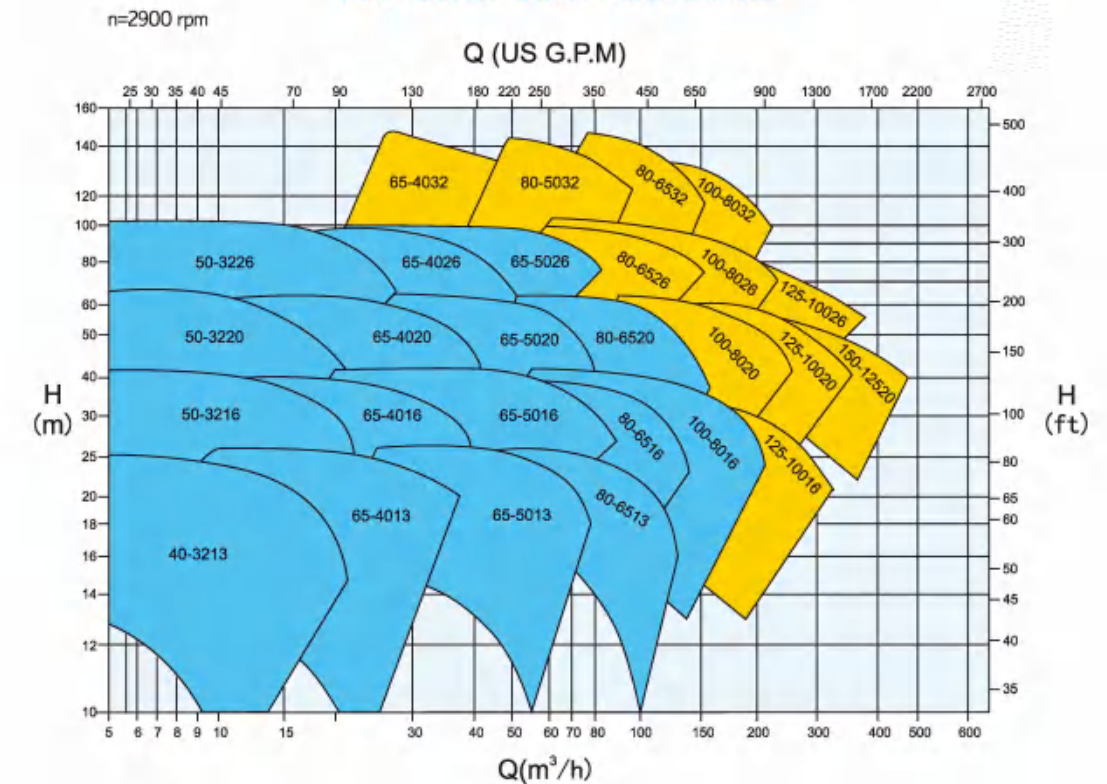
EAZ	Motor(B35)		Flange		Installation Dimensions(mm)																	Weight(kg)												
Model	Model	kw	DN1	DN2	a	h1	h2	L1	L2	L	A	B	H	HD	m1	m2	n1	n2	S1	S2	Pump	Motor	Total											
EAZ40/32-03004	Y2-100L2-4	3	65	40		200	250	180	195.5	505	160	140	100	270	125	95	345	280	14	12	75	37	112											
EAZ40/32-04004	Y2-112M-4	4							202.5	520	190	140	112	300							75	47	122											
EAZ40/32-05504	Y2-132S-4	5.5							202	243.5	592	216	140	132							345	79	65	144										
EAZ40/32-07504	Y2-132M-4	7.5							632	218	178	132	345	79							79	157												
EAZ40/32-22002	Y2-180M-2	22						238	311.5	828	279	241	180	455							15	84	155	239										
EAZ40/32-30002	Y2-200L1-2	30						238	323.5	898	318	305	200	505							19	88	224	313										
EAZ40/32-37002	Y2-200L2-2	37							339.5	943	356	311	225	560							19	88	235	323										
EAZ40/32-45002	Y2-225M-2	45							339.5	943	356	311	225	560							19	96	286	381										
EAZ40/32-55002	Y2-250M-2	55							274	394.5	1044	406	349	250							615	24	114	373	487									
EAZ50/32-04004	Y2-112M-4	4						65	50	125	225	280	180	202.5							520	190	140	112	300	160	120	400	315	18	24	77	47	124
EAZ50/32-05504	Y2-132S-4	5.5	202	243.5	592	216	178							132	345	12	81	65	147															
EAZ50/32-07504	Y2-132M-4	7.5	632	218	178	132								345	12	81	79	160																
EAZ50/32-11004	Y2-160M-4	11	238	298.5	743	254								210	160	420	15	86	108	194														
EAZ50/32-37002	Y2-200L2-2	37	238	323.5	898	318	305						200	505	19	91	235	325																
EAZ50/32-45002	Y2-225M-2	45		339.5	943	356	311						225	560	19	98	286	384																
EAZ50/32-55002	Y2-250M-2	55		274	394.5	1044	406						349	250	615	24	116	373	490															
EAZ50/32-75002	Y2-280S-2	75		416.5	1119	457	368						280	680	24	117	485	601																
EAZ65/32-05504	Y2-132S-4	5.5	80	65		250	315						201	230	591	216	140	132	345	160	120	400	315	18	12							92	65	157
EAZ65/32-07504	Y2-132M-4	7.5												631	178	132	345	12	92													79	171	
EAZ65/32-11004	Y2-160M-4	11						235	283	740	254	210		160	420	15	95	108	203															
EAZ65/32-15004	Y2-160L-4	15						795	254	254	160	420		15	95	129	224																	
EAZ65/32-45002	Y2-225M-2	45						252	341	957	356	311	225	560	19	116	286	401																
EAZ65/32-55002	Y2-250M-2	55							380	1042	406	349	250	615	24	122	373	496																
EAZ65/32-75002	Y2-280S-2	75							272	402	1117	457	368	280	680	24	122	485	607															
EAZ65/32-90002	Y2-280M-2	90							1167	419	419	280	680	24	122	541	663																	
EAZ80/32-07504	Y2-132M-4	7.5						100	80	125	250	315	201	230	631	216	178	132	345							160	120	400	315	18	12	95	79	174
EAZ80/32-11004	Y2-160M-4	11												283	740	254	210	160	420													15	100	108
EAZ80/32-15004	Y2-160L-4	15	235	283	795	254	254							160	420	15	100	129	229															
EAZ80/32-18504	Y2-180M-4	18.5	296	825	279	241	180							455	15	105	157	262																
EAZ80/32-75002	Y2-280S-2	75	272	402	1117	457	368						280	680	24	127	485	612																
EAZ80/32-90002	Y2-280M-2	90		1167	419	419	280						680	24	127	541	668																	
EAZ100/32-11004	Y2-160M-4	11		283	740	254	210						160	420	15	105	108	213																
EAZ100/32-15004	Y2-160L-4	15		795	254	254	160						420	15	105	129	233																	
EAZ100/32-18504	Y2-180M-4	18.5	125	100	140	235	296						825	279	241	180	455	200	150													105	157	262
EAZ100/32-22004	Y2-180L-4	22											865	279	279	180	455															15	105	179
EAZ100/32-30004	Y2-200L-4	30						237	310	897	318	305	200	505	19	111	240									351								
EAZ125/32-15004	Y2-160L-4	15						282	809	254	254	160	420	200	150																		138	129
EAZ125/32-18504	Y2-180M-4	18.5	249	295	839	279	241	180	455	15	138	157	295																					
EAZ125/32-22004	Y2-180L-4	22		879	279	279	180	455	15	138	179	316																						
EAZ125/32-30004	Y2-200L-4	30		307	909	318	305	200	505	19	140	240	379																					
EAZ125/32-37004	Y2-225S-4	37		285	359	965	356	286	225	560	23	148	301	449																				
EAZ150/32-22004	Y2-180L-4	22	200	150	160	400	250	295	880	279	279	180	455	200	150	500	400																	
EAZ150/32-30004	Y2-200L-4	30						307	910	318	305	200	505											15	153	240	395							
EAZ150/32-37004	Y2-225S-4	37						286	359	966	356	286	225											560	19	163	301	464						
EAZ150/32-45004	Y2-225M-4	45							991	311	311	225	560											19	163	312	476							
EAZ150/32-55004	Y2-250M-4	55	378	1056	406	349	250		615	24	178	383	561																					
EAZ80/40-15004	Y2-160L-4	15	297	809	254	254	160		420	15	140	129	269																					
EAZ80/40-18504	Y2-180M-4	18.5	100	80	125	280	355	249	310	839	279	241	180	455	160	120	400	340	18	15	142	157	299											
EAZ80/40-22004	Y2-180L-4	22							879	279	279	180	455	19							142	179	321											
EAZ80/40-30004	Y2-200L-4	30							322	909	318	305	200	505							19	148	240	387										
EAZ100/40-22004	Y2-180L-4	22							295	879	279	279	180	455							15	160	179	339										
EAZ100/40-30004	Y2-200L-4	30	125	100	140			284	307	909	318	305	200	505	200	150	500	400	23	19	162	240	401											
EAZ100/40-37004	Y2-225S-4	37							358	964	356	286	225	560							168	301	469											
EAZ100/40-45004	Y2-225M-4	45							358	989	356	311	225	560							168	312	480											
EAZ125/40-30004	Y2-200L-4	30							249	307	909	318	305	200							505	19	170	240	410									
EAZ125/40-37004	Y2-225S-4	37	150	125	140			284	358	964	356	286	225	560																				
EAZ125/40-45004	Y2-225M-4	45							989	311	311	225	560	19										176	301	476								
EAZ125/40-55004	Y2-250M-4	55							377	1054	406	349	250	615										24	180	383	562							
EAZ125/40-75004	Y2-280S-4	75							399	1129	457	368	280	680										200	150	181	544	725						
EAZ150/40-37004	Y2-225S-4	37	200	150	160	450	286	358	966	356	286	225	560	200	150	550	450																	
EAZ150/40-45004	Y2-225M-4	45						991	311	311	225	560	19											200	301	501								
EAZ150/40-55004	Y2-250M-4	55						377	1056	406	349	250	615											24	205	544	748							
EAZ150/40-75004	Y2-280S-4	75						1131	457	419	368	280	680											24	205	587	791							

EGM Series Explode View & List of Parts

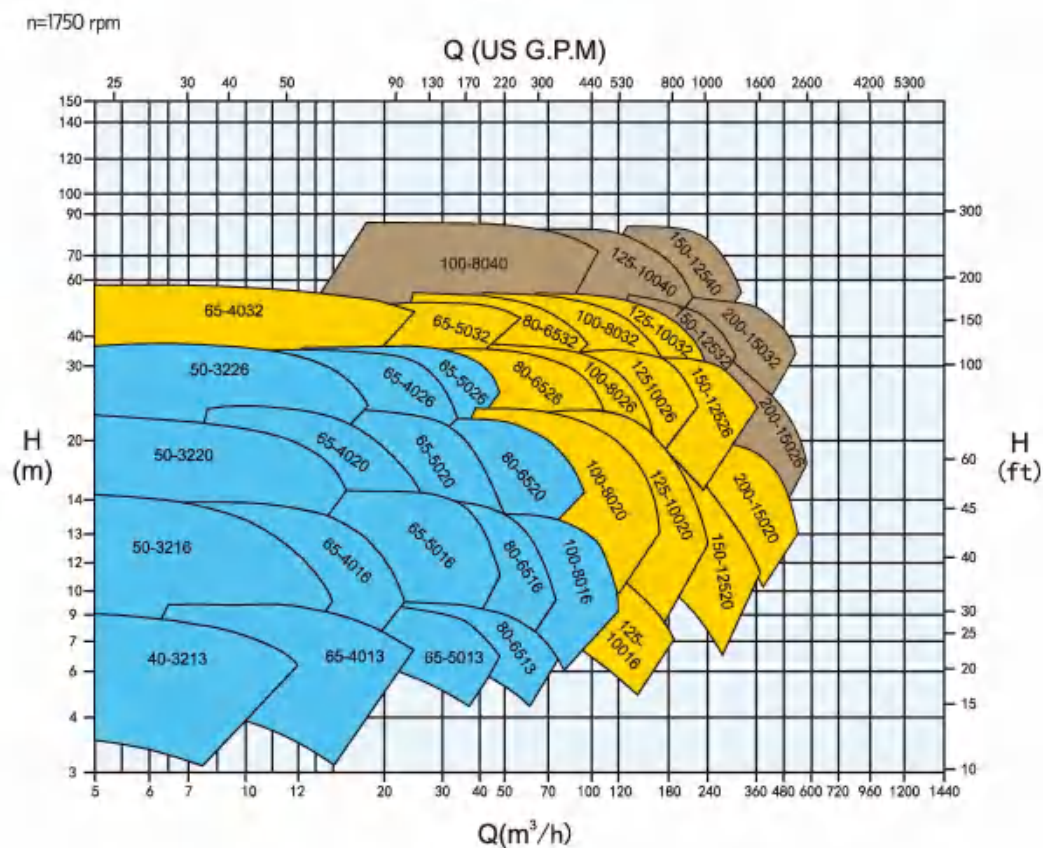
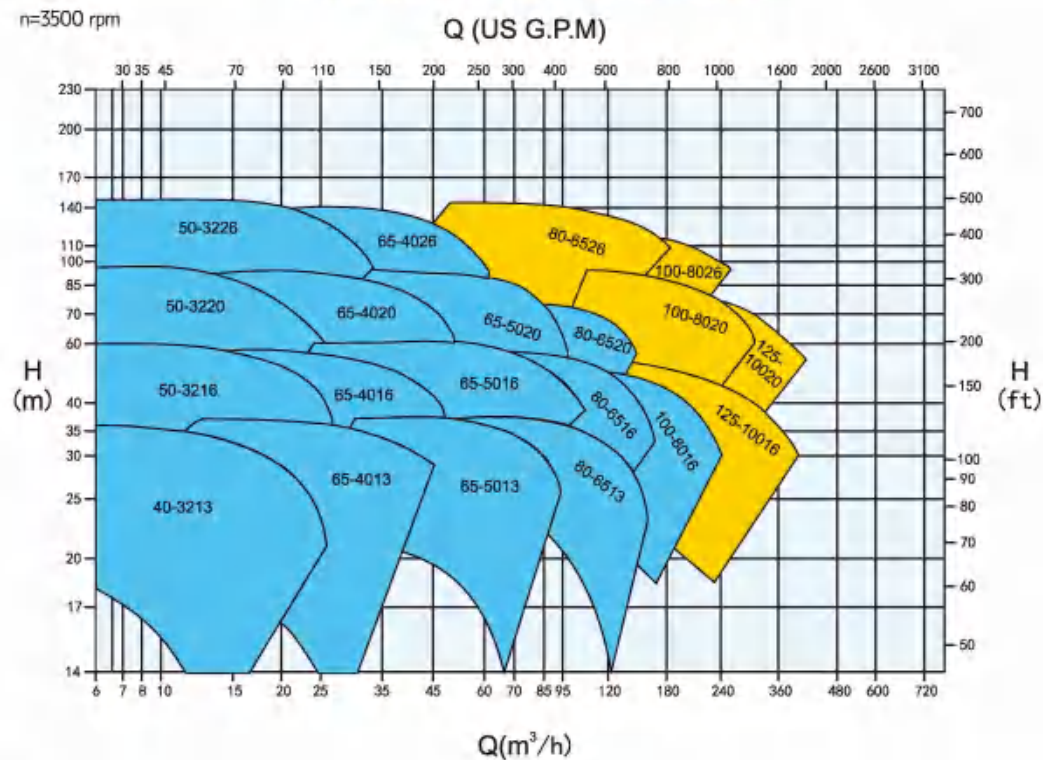


Code	Part Name	Code	Part Name
1	Casing	14	Screw
2	Impeller Nut	15	Screw Bolt
3	Flat Washer	16	Screw Nut
4	Spring Washer	17	Screw Bolt
5	Front-Wear Ring	18	1/4 Plug
6	Impeller	19	3/8 Plug
7	Seal Seat	20	Key
8	Mech Seal	21	Screw Nut
9	Casing Gasket	22	Motor
10	Casing Cover	23	Key
11	1/4 Plug	24	Screw
12	Adapter	25	Shaft
13	Guard		

EGM Series-50Hz Performance



EGM Series-60Hz Performance



EGM		Motor(V1)		Installation Dimensions(mm)										Flange Dimensions(mm)				Weight(kg)										
Model	Model	kw	h1	L1	F	G	L	AD	B1	B2	n2xm2	n1xm1	s1	DN	D	K	n-d	b	Pump	Motor	Total							
EGM100-8016-01504	Y2-90L-4	1.5	188	152	260	540	447	155	168	136	170x200	200x230	12	100	220	180	8-φ18	24	56	27	83							
EGM100-8016-02204	Y2-100L1-4	2.2		489			180	58											34	92								
EGM100-8016-03004	Y2-100L2-4	3						58											37	95								
EGM100-8016-11002	Y2-160M1-2	11		725			255	65											108	173								
EGM100-8016-15002	Y2-160M2-2	15		780				65											109	174								
EGM100-8016-18502	Y2-160L-2	18.5		810			280	65											133	198								
EGM100-8016-22002	Y2-180M-2	22	222			810	280												66	155	221							
EGM100-8016-30002	Y2-200L1-2	30				882	305												73	224	298							
EGM125-10016-03004	Y2-100L2-4	3	220	179	330	690	504	180	202	162	260x260	300x300	18	125	250	210	8-φ18	26	100	37	137							
EGM125-10016-04004	Y2-112M-4	4	179			519	190											102	47	149								
EGM125-10016-18502	Y2-160L-2	18.5	220	234	330	690	794	255	202	162	260x260	300x300	18	125	250	210		108	133	241								
EGM125-10016-22002	Y2-180M-2	22	237				824	280											110	155	265							
EGM125-10016-30002	Y2-200L1-2	30					897	305											113	224	337							
EGM50-3220-00554	Y2-80L-4	0.55	118		210	420	406	145	137	134				50	165	125			45	16	61							
EGM50-3220-00754	Y2-80Z-4	0.75																	45	17	62							
EGM50-3220-01104	Y2-90S-4	1.1																	46	22	68							
EGM50-3220-01504	Y2-90L-4	1.5																	46	27	72							
EGM50-3220-05502	Y2-132S1-2	5.5					186												51	65	116							
EGM50-3220-07502	Y2-132S2-2	7.5																	51	69	120							
EGM50-3220-11002	Y2-160M1-2	11	218			723	255											55	108	163								
EGM65-4020-00754	Y2-80Z-4	0.75	138	151		240	406	145	144	134	170x200	200x230	14	65	185	145	4-φ18	20	50	17	67							
EGM65-4020-01104	Y2-90S-4	1.1					421	155											51	22	73							
EGM65-4020-01504	Y2-90L-4	1.5					446												51	27	77							
EGM65-4020-05502	Y2-132S1-2	5.5																	56	65	121							
EGM65-4020-07502	Y2-132S2-2	7.5					186												56	69	125							
EGM65-4020-11002	Y2-160M1-2	11					218												60	108	168							
EGM65-5020-01504	Y2-90L-4	1.5	154			449	155											52	27	78								
EGM65-5020-02204	Y2-100L1-4	2.2	166				491	180	158	142									54	34	87							
EGM65-5020-03004	Y2-100L2-4	3																	54	37	90							
EGM65-5020-11002	Y2-160M1-2	11																	61	108	169							
EGM65-5020-15002	Y2-160M2-2	15					221												61	109	170							
EGM65-5020-18502	Y2-160L-2	18.5				781												61	133	194								
EGM80-6520-02204	Y2-100L1-4	2.2	150	163	260	540	488	180	170	148				80	200	160	8-φ18	25	62	34	96							
EGM80-6520-03004	Y2-100L2-4	3																	62	37	99							
EGM80-6520-04004	Y2-112M-4	4					218												62	47	109							
EGM80-6520-15002	Y2-160M2-2	15				723	255											69	109	178								
EGM80-6520-18502	Y2-160L-2	18.5				778												69	133	202								
EGM80-6520-22002	Y2-180M-2	22	150	218	260	540	808	280	170	148	170x200	200x230	14	100	220	180	8-φ18	24	70	155	225							
EGM80-6520-30002	Y2-200L1-2	30	221			881	305												76	224	300							
EGM100-8020-03004	Y2-100L2-4	3	179		290	600	504	180	192	166									76	37	113							
EGM100-8020-04004	Y2-112M-4	4					519	190											76	47	123							
EGM100-8020-05504	Y2-132S-4	5.5					202												592	210	80	65	145					
EGM100-8020-07504	Y2-132M-4	7.5					234												632		80	79	158					
EGM100-8020-22002	Y2-180M-2	22	237				824	280										88	155	243								
EGM100-8020-30002	Y2-200L1-2	30																897	305	90	224	314						
EGM100-8020-37002	Y2-200L2-2	37																90	235	325								
EGM100-8020-45002	Y2-225M-2	45					942	335										95	286	380								
EGM125-10020-04004	Y2-112M-4	4	179				519	190										97	47	144								
EGM125-10020-05504	Y2-132S-4	5.5	202				592	210										99	65	164								
EGM125-10020-07504	Y2-132M-4	7.5					632											99	79	178								
EGM125-10020-11004	Y2-160M-4	11					739	254										103	108	211								
EGM125-10020-30002	Y2-200L1-2	30					220	330										680	897	305	208	170	125	250	210	8-φ18	26	109
EGM125-10020-37002	Y2-200L2-2	37	237				897	305			200x250	250x300	18					109	235	344								
EGM125-10020-45002	Y2-225M-2	45	237				942	335										114	286	399								
EGM125-10020-55002	Y2-250M-2	55	271				1041	370										126	373	499								
EGM125-10020-75002	Y2-280S-2	75					1116	410										126	485	610								
EGM150-12520-07504	Y2-132M-4	7.5	260	202			632	210										126	79	204								
EGM150-12520-11004	Y2-160M-4	11					739	255										129	108	238								
EGM150-12520-55002	Y2-250M-2	55					360	740										1041	370	242	186	150	285	240	8-φ22	152	373	525
EGM150-12520-75002	Y2-280S-2	75					271												1116	410				153	485	637		
EGM150-12520-90002	Y2-280M-2	90					1166				153	541	694															
EGM200-15020-11004	Y2-160M-4	11	280	261	400	840	766	255	256	198	340x340	420x420		200	340	295	12-φ22	28	165	108	273							
EGM200-15020-15004	Y2-160L-4	15					821												165	129	294							
EGM200-15020-18504	Y2-180M-4	18.5					851	280												167	157	324						
EGM50-3226-02204	Y2-100L1-4	2.2	118	173	230	470	498	180	168	168	170x200	200x230	14	50	165	125	4-φ18	20	62	34	96							

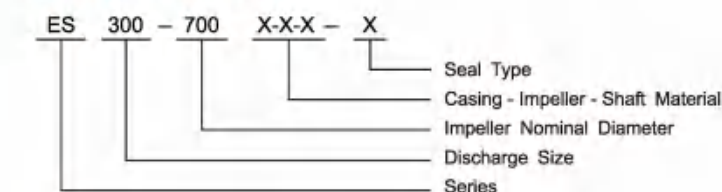
EGM		Motor(V1)		Installation Dimensions(mm)										Flange Dimensions(mm)						Weight(kg)							
Model	Model	kw	h1	L1	F	G	L	AD	B1	B2	n2xm2	n1xm1	s1	DN	D	K	n-d	b	Pump	Motor	Total						
EGM50-3226-03004	Y2-100L2-4	3	118	173	230	470	498	180	168	168				50	165	125				62	37	99					
EGM50-3226-11002	Y2-160M1-2	11					733	255												70	108	178					
EGM50-3226-15002	Y2-160M2-2	15		228																	70	109	179				
EGM50-3226-18502	Y2-160L-2	18.5					788													70	133	202					
EGM65-4026-02204	Y2-100L1-4	2.2																				66	34	100			
EGM65-4026-03004	Y2-100L2-4	3					173															498	180	66	37	103	
EGM65-4026-11002	Y2-160M1-2	11	228				733	255	168	168										74	108	182					
EGM65-4026-15002	Y2-160M2-2	15																			74	109	183				
EGM65-4026-18502	Y2-160L-2	18.5																			788			74	133	207	
EGM65-4026-22002	Y2-180M-2	22	138				818	280												74	155	229					
EGM65-5026-02204	Y2-100L1-4	2.2																					68	34	102		
EGM65-5026-03004	Y2-100L2-4	3					174	260												520	497	180	65	185	145	4-Φ18	20
EGM65-5026-04004	Y2-112M-4	4	197				512	190	178	164	170x200	200x230	14							68	47	115					
EGM65-5026-05504	Y2-132S-4	5.5																			587	210	71	65	137		
EGM65-5026-18502	Y2-160L-2	18.5																			788	280	75	133	208		
EGM65-5026-22002	Y2-180M-2	22	229				819													76	155	231					
EGM65-5026-30002	Y2-200L1-2	30	232																	83	224	307					
EGM65-5026-37002	Y2-200L2-2	37																					892	305	83	235	317
EGM80-6526-04004	Y2-112M-4	4																		179				519	190	195	170
EGM80-6526-05504	Y2-132S-4	5.5	202				592	210	83	65	148																
EGM80-6526-07504	Y2-132M-4	7.5					632		83	79	162																
EGM80-6526-30002	Y2-200L1-2	30	168		290	590	897	305												95	224	319					
EGM80-6526-37002	Y2-200L2-2	37	237				942	335												99	286	385					
EGM80-6526-45002	Y2-225M-2	45					1041	370												113	373	486					
EGM80-6526-55002	Y2-250M-2	55	271						208	184																	
EGM100-8026-05504	Y2-132S-4	5.5	202				592	210												93	65	158					
EGM100-8026-07504	Y2-132M-4	7.5	188	310	630		632													93	79	172					
EGM100-8026-11004	Y2-160M-4	11	234				739	255												99	108	207					
EGM100-8026-37002	Y2-200L2-2	37	237				897	305												118	235	353					
EGM100-8026-45002	Y2-225M-2	45	188	310	630		942	335												120	286	406					
EGM100-8026-55002	Y2-250M-2	55	271				1041	370	208	184	170x200	200x230	14	100	220	180	8-Φ18	24	123	373	496						
EGM100-8026-75002	Y2-280S-2	75					1116	410											123	485	607						
EGM125-10026-11004	Y2-160M-4	11					743	255											125	108	233						
EGM125-10026-15004	Y2-160L-4	15	238				798		222	192										125	129	254					
EGM125-10026-18504	Y2-180M-4	18.5	220	340	700		828	280												125	250	210	8-Φ18	26	125	157	282
EGM125-10026-75002	Y2-280S-2	75	275				1120	410												148	485	633					
EGM125-10026-90002	Y2-280M-2	90					1170		200x250	250x300	18									148	541	689					
EGM150-12526-15004	Y2-160L-4	15					798	255												155	129	284					
EGM150-12526-18504	Y2-180M-4	18.5	238	360	760		829	280												155	157	313					
EGM150-12526-22004	Y2-180L-4	22	260				869		245	210										155	179	334					
EGM150-12526-30004	Y2-200L-4	30	241				892	305												161	240	401					
EGM200-15026-18504	Y2-180M-4	18.5					838	280												194	157	351					
EGM200-15026-22004	Y2-180L-4	22	280	248	380	830	878	280	258	210	250x300	300x350		200	340	295	12-Φ22	30	194	179	373						
EGM200-15026-30004	Y2-200L-4	30					908	305											210	240	450						
EGM65-4032-03004	Y2-100L2-4	3	179				504	180																			
EGM65-4032-04004	Y2-112M-4	4									519	190											91	47	138		
EGM65-4032-05504	Y2-132S-4	5.5					201				591	210												95	65	160	
EGM65-4032-07504	Y2-132M-4	7.5	231				631		200	200										95	79	173					
EGM65-4032-22002	Y2-180M-2	22					828	280												100	155	255					
EGM65-4032-30002	Y2-200L1-2	30																		104	224	329					
EGM65-4032-37002	Y2-200L2-2	37	237	290			897	305			170x200	200x230	14	65	185	145	4-Φ18	20	104	235	339						
EGM65-4032-45002	Y2-225M-2	45					942	335											112	286	397						
EGM65-5032-05504	Y2-132S-4	5.5	201				591	210											98	65	164						
EGM65-5032-07504	Y2-132M-4	7.5	155				631		214	198										98	79	177					
EGM65-5032-11004	Y2-160M-4	11					231															743	255	103	108	211	
EGM65-5032-37002	Y2-200L2-2	37					237															897	305	108	235	342	

EGM	Motor(V1)		Installation Dimensions(mm)											Flange Dimensions(mm)						Weight(kg)		
Model	Model	kw	h1	L1	F	G	L	AD	B1	B2	n2xm2	n1xm1	s1	DN	D	K	n-d	b	Pump	Motor	Total	
EGM65-5032-45002	Y2-225M-2	45	155	237	290	590	942	335	214	198	170x200	200x230	14	65	185	145	4-Φ18	20	115	286	401	
EGM65-5032-55002	Y2-250M-2	55		273			1043	370											133	373	507	
EGM65-5032-75002	Y2-280S-2	75					1118	410											134	485	618	
EGM80-6532-07504	Y2-132M-4	7.5	235	201	310	640	631	210	224	210									115	79	194	
EGM80-6532-11004	Y2-160M-4	11					740	255											118	108	226	
EGM80-6532-15004	Y2-160L-4	15					795												118	129	246	
EGM80-6532-45002	Y2-225M-2	45	175	252	310	640	957	335	224	210				80	200	160	4-Φ18	22	139	286	424	
EGM80-6532-55002	Y2-250M-2	55		1042			370	145											373	518		
EGM80-6532-75002	Y2-280S-2	75	272	1117			410	145											485	630		
EGM80-6532-90002	Y2-280M-2	90					1167												145	541	686	
EGM100-8032-11004	Y2-160M-4	11	186	235	340	700	740	255	237	210	200x250	250x300	18	100	220	180	8-Φ18	24	127	108	236	
EGM100-8032-15004	Y2-160L-4	15						795												127	129	256
EGM100-8032-18504	Y2-180M-4	18.5					272	825											280	128	157	285
EGM100-8032-75002	Y2-280S-2	75					1117	410											155	485	639	
EGM100-8032-90002	Y2-280M-2	90					1167												155	541	695	
EGM125-10032-15004	Y2-160L-4	15	240	235	360	740	795	255	246	220				125	250	210	8-Φ22	26	148	129	276	
EGM125-10032-18504	Y2-180M-4	18.5						825											280	148	157	305
EGM125-10032-22004	Y2-180L-4	22					237	865											305	148	179	326
EGM125-10032-30004	Y2-200L-4	30					897	305											154	240	394	
EGM150-12532-15004	Y2-160L-4	15	260	249	400	895	809	255	266	226	340x340	420x420	18	150	285	240	8-Φ22	26	196	129	325	
EGM150-12532-18504	Y2-180M-4	18.5						839											280	196	157	353
EGM150-12532-22004	Y2-180L-4	22					284	879											266	226	196	179
EGM150-12532-30004	Y2-200L-4	30					909	305											198	240	438	
EGM150-12532-37004	Y2-225S-4	37					964	335											206	301	507	
EGM200-15032-30004	Y2-200L-4	30	300	250	430	920	910	305	290	242	340x340	420x420	18	200	340	295	12-Φ22	30	241	240	481	
EGM200-15032-37004	Y2-225S-4	37						965											335	249	301	550
EGM200-15032-45004	Y2-225M-4	45					285	990												249	312	562
EGM200-15032-55004	Y2-250M-4	55					1055	370											264	383	647	
EGM100-8040-15004	Y2-160L-4	15	220	249	400	800	809	255	265	248	310x310	370x370	18	100	220	180	8-Φ18	24	188	129	317	
EGM100-8040-18504	Y2-180M-4	18.5						839											280	191	157	348
EGM100-8040-22004	Y2-180L-4	22						879												191	179	370
EGM100-8040-30004	Y2-200L-4	30					909	305											197	240	436	
EGM125-10040-22004	Y2-180L-4	22	240	284	380	810	879	280	285	262	200x250	250x300	18	125	250	210	8-Φ18	26	204	179	383	
EGM125-10040-30004	Y2-200L-4	30						909											305	206	240	445
EGM125-10040-37004	Y2-225S-4	37						964											335	212	301	513
EGM125-10040-45004	Y2-225M-4	45					989												212	312	524	
EGM150-12540-30004	Y2-200L-4	30	250	249	400	850	909	305	296	264	250x300	300X350	18	150	285	240	8-Φ22	26	225	240	465	
EGM150-12540-37004	Y2-225S-4	37						964											335	231	301	531
EGM150-12540-45004	Y2-225M-4	45					284	989												231	312	543
EGM150-12540-55004	Y2-250M-4	55					1054	370											235	383	617	
EGM150-12540-75004	Y2-280S-4	75					1129	410											236	544	780	

Description & Features

EIFEL ES series split casing pumps are designed with double suctions. This kind of pumps are of high flow rate, high efficiency, stable operation, low noise and long service life, easy to install and maintain. Widely used in plant, mine, city water supply, irrigation, HVAC and vessel industry.

Model Instruction:



Material Code

C: Cast Iron
Q: Ductile Iron
B: Brass
S: ASTM 420
45: ASTM 1045

S304: ASTM 304
S316: ASTM 316
Seal Type:
M: Mechanical Seal
P: Gland Packing

Design & Structure

Design	Performance referring to GB/T5657-95, Q/ FZEF 001-2014 Standard
Structure	Single-Stage, Double-Suction, Split-Casing
DN (mm)	80-400
Flange	DIN2501 PN16 GB / T17241.6 PN1.6

Material

Part	Standard Material	Options on request
Casing	Cast Iron	Ductile Iron
Impeller	Brass	Cast Iron / ASTM304(CF8) / ASTM316(CF8M)
Shaft	ASTM1045	ASTM304 / ASTM316 / ASTM420
Shaft Seal	Mechanical Seal	Gland Packing

Operating Data

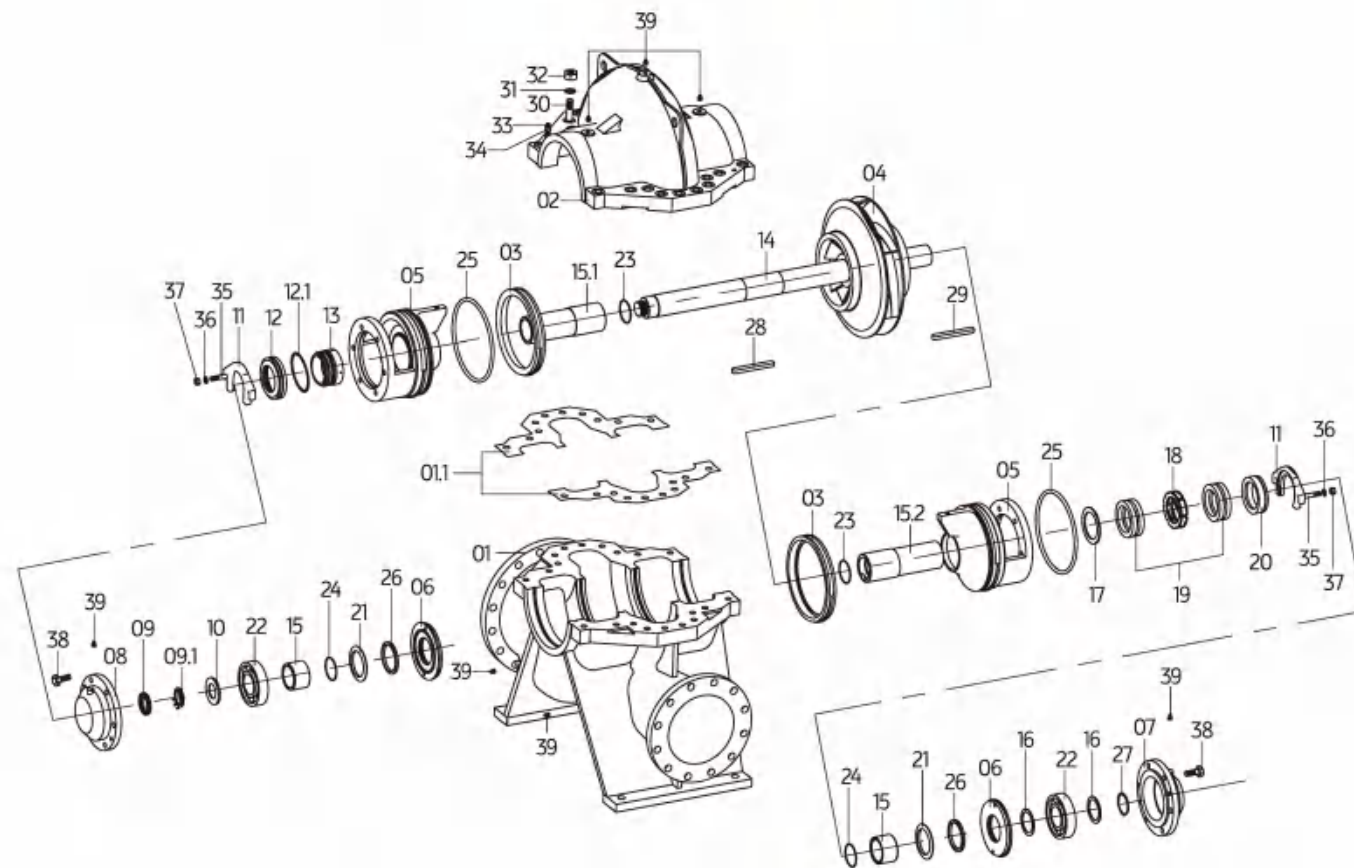
Flow Rate(Q)	36-3400m³/h
Head(H)	8-190 m
Speed	1480 or 2980 rpm (50Hz) / 1780 or 3580 rpm (60Hz)
Max Temperature	85°C(standard) ; 105°C(on request)
Working Pressure	1.6MPa(standard) ; 2.5MPa(on request)
Conveying Medium	Clean water or liquids similar to clean water in physical property



Applications

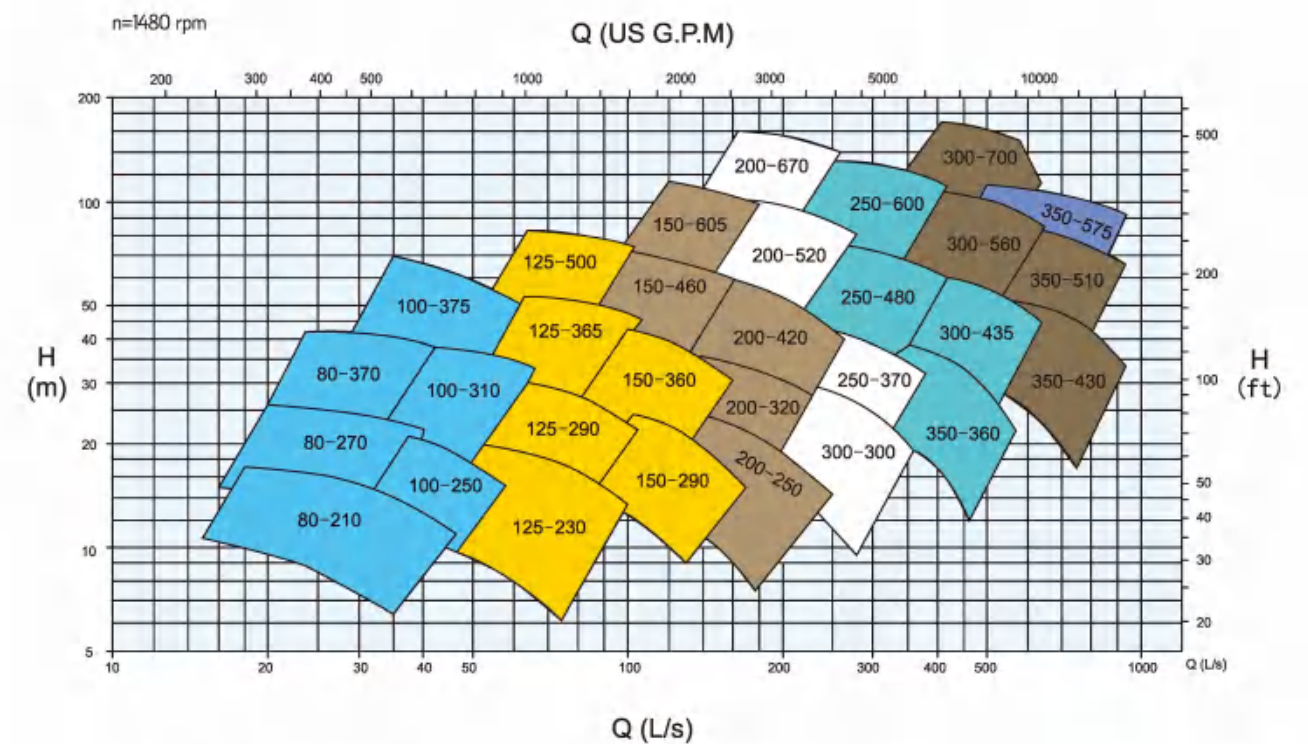
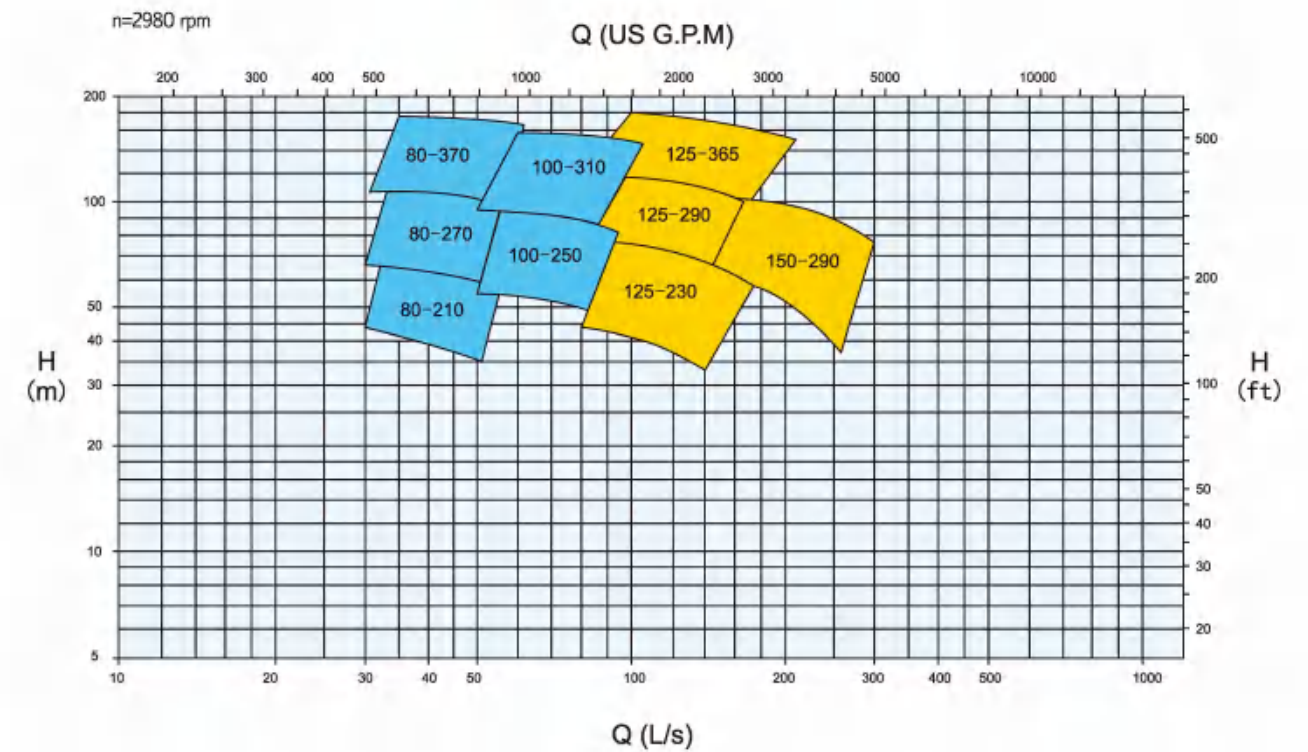
- HVAC and Cooling Tower
- Municipal Water Supply
- Pump Station
- Marine and Ship Building
- Power Plant / Water Plant
- Industrial water supply system
- Fire Fighting System

ES Series Explode View & List of Parts



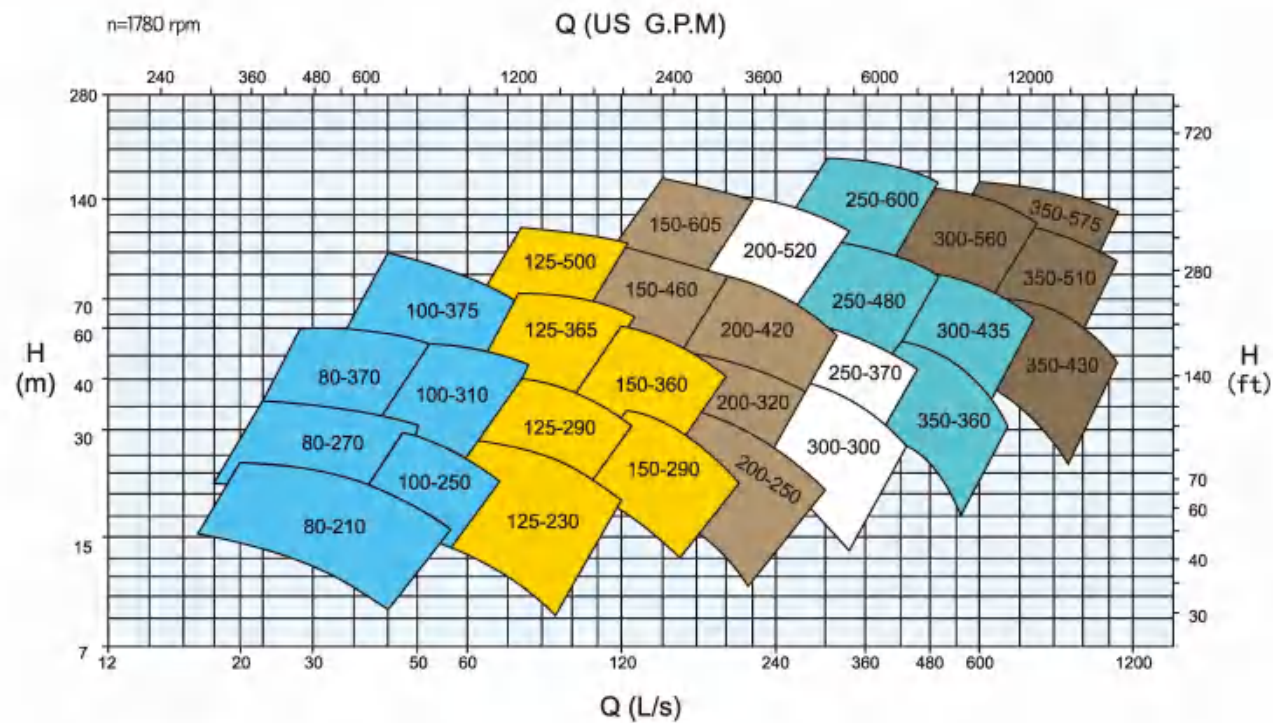
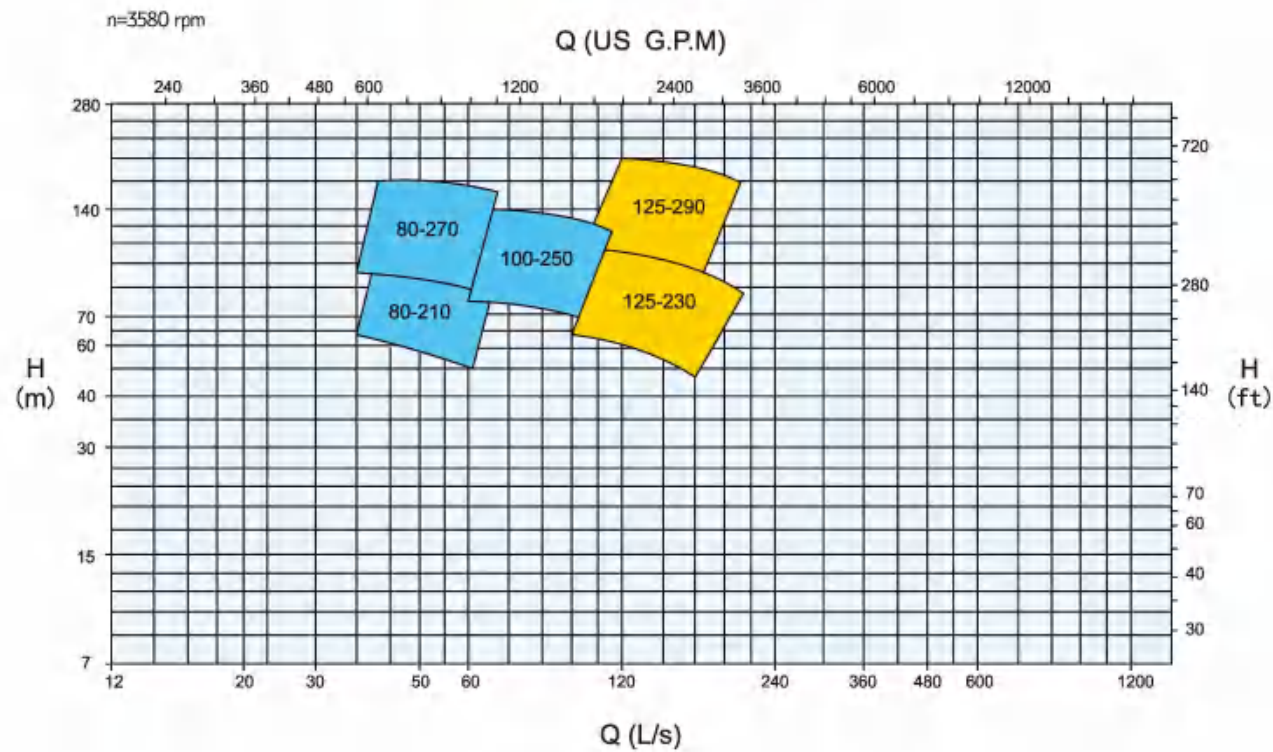
Code	Part Name	Code	Part Name	Code	Part Name
01	Casing-Bottom	13	Mech. Seal	26	Felting
01.1	Casing Gasket	14	Shaft	27	External Circlips
02	Casing-Top	15	Shaft Sleeve-Short	28	Key
03	Wear Ring	15.1	Shaft Sleeve	29	Key
04	Impeller	15.2	Packing Shaft Sleeve	30	Screw Bolt
05	Seal Frame	16	Bearing Seal Plate	31	Spring Washer
06	Bearing Cover	17	Packing Seal Plate	32	Screw Nut
07	Bearing Frame-Driving End	18	Lantern Ring	33	Pin
08	Bearing Frame-Non-driving End	19	Gland	34	Screw Nut
09	Screw Nut	20	Packing Cover	35	Screw Bolt
09.1	Lock Washer for Nut	21	Slinger	36	Flat Gasket
10	Bearing Slinger	22	Ball Bearing	37	Screw Nut
11	Seal Plate	23	O-ring	38	Screw Bolt
12	Seal Cover	24	O-ring	39	Plug
12.1	Seal Cover Gasket	25	O-ring		

ES Series-50Hz Performance



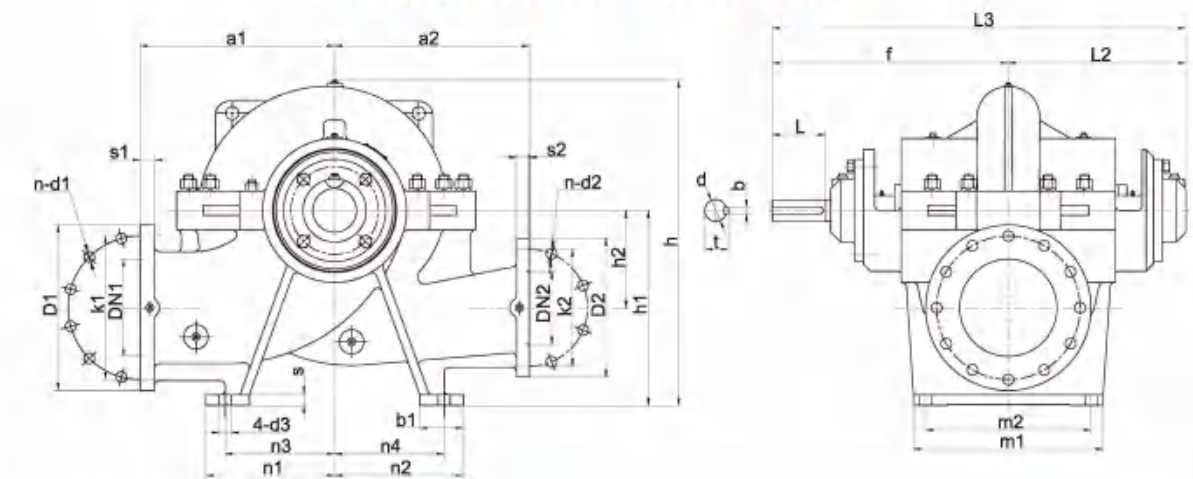
Performance to ISO9906 Grade 2 for clean cold water only

ES Series-60Hz Performance



Performance to ISO9906 Grade 2 for clean cold water only

ES Series Installation Dimensions



Model	DN1	DN2	Pump Dimensions										Foot										Shaft						Weight	
			a1	a2	f	L2	L3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s	d	b	L	t	kg						
ES80-210	125	80	300	300	385	300	685	490	315	140	320	270	205	205	170	170	80	22	Φ34	10	80	37.3	179							
ES80-270			528	200																										
ES80-370	75	209																												
ES100-250	150	100	330	330	485	365	850	570	355	170	390	340	235	235	200	200	80	26	Φ41	12	110	47.3	209							
ES100-310			605	257																										
ES100-375	75	245																												
ES125-230	200	125	370	370	540	420	960	620	200	240	480	430	265	265	225	225	90	Φ25	Φ54	16	58.3	309								
ES125-290								635									293													
ES125-365								665									311													
ES125-500			450	450	720	400	210	320	320	280	280	85	22	414																
ES150-290			400	400	660			200	265	265	225	225	90	22	323															
ES150-360			450	450	670	315	315		280	280	75	25	25	418																
ES150-605	800	500	885	300	390	390	350	350	95	Φ30	35	755																		
ES200-250	250	200	450	450	629	479	1108	793	500	240	480	430	315	315	280	280	85	Φ25	25	Φ54	16	58.3	450							
ES200-320			805	506																										
ES200-420	300	250	500	500	629	479	1108	830	600	300	480	400	400	400	350	350	100	Φ30	Φ74	20	170	78.9	551							
ES200-520			600	500				925									560						300	490	Φ28	28	700			
ES200-670			650	550				1055									350						500	110	35	Φ64	18	145	68.4	1218
ES250-280			500	500				955									600						300	480	28	550				
ES250-370			500	500				975									600						300	480	100	Φ30	719			
ES250-480			550	550				985									330						600	520	32	906				
ES250-600	650	650	1060	630	350	110	35	1116																						
ES300-300	350	300	550	500	629	479	1108	1010	630	300	500	400	400	400	350	350	100	30	Φ64	18	145	68.4	792							
ES300-435	400	300	650	550	695	515	1210	1072	670	333	800	620	520	525	525	475	475	110	32	Φ74	20	170	78.9	947						
ES300-560			700	650	785	605	1390	1140	710	350	35							1301												
ES300-700			750	650	785	605	1390	1255	750	400	120							1640												
ES350-360			650	550	695	515	1210	1100	670	350	600							400	400	350	350	100	32	Φ74	20	170	78.9	1077		
ES350-430	450	350	750	650	785	605	1390	1200	750	400	600	620	530	530	475	475	120	35	Φ84	22	180	89.4	1445							
ES350-510			700	700	1200	750	400	525	525	110	40						1456													
ES350-575	400	350	750	750	853	667	1520	1400	900	420	780	630	560	560	485	485	150	Φ35	35	Φ95	25	210	100.4	1900						
ES400-525			750	700	1410	475	1600																							
ES400-665	500	400	1000	750	968	747	1715	1550	1000	525	890	740	560	560	485	485	150	Φ35	35	Φ105	28	111.4	2000							

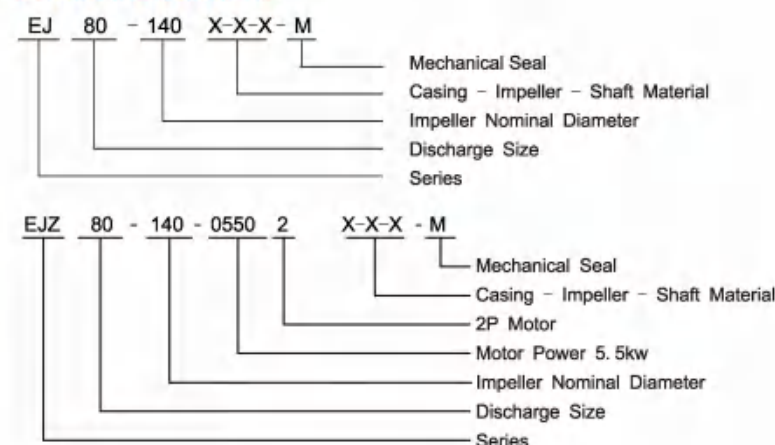
Flange Dimensions (ISO7005.2 DIN2501 PN16 GB/T17241.6 PN1.6)

DN1/DN2	80	100	125	150	200	250	300	350	400	450	500	600	700
K1/K2	180	180	210	240	295	355	410	470	525	585	650	770	840
D1/D2	200	220	250	285	340	405	460	520	580	640	715	840	910
S1/S2	22	24	26	26	30	32	34	38	40	40	46	54	54
n-d1/n-d2	8-Φ17.5	8-Φ17.5	8-Φ17.5	8-Φ22	12-Φ22	12-Φ26	12-Φ26	16-Φ26	16-Φ30	20-Φ30	20-Φ33	20-Φ36	24-Φ36

Description & Features

EIFEL EJ & EJZ series are self-priming, solids handling, resistant to abrasion. These pumps can handle liquids up to a viscosity of about 50 mm²/s. They are designed with the advanced device Maintenance Hole and Wear Plate, easy to clean and flush. EJ & EJZ pumps have wide applications in industry, marine and waste treatment.

Model Instruction:



Material Code

C: Cast Iron	45: ASTM 1045S
Q: Ductile Iron	304: ASTM 304S
B85: Bronze	316: ASTM 316
S: ASTM 420	M: Mechanical Seal

Design & Structure

Design	Performance and Dimensions referring to the European standard
Structure	Semi-open impeller, Single-Suction, Self-priming, Maintenance Hole, Wear Plate
Flange	Pump casings are casted with flanges; Screw flange for discharge size <100 mm.

Material

Part	Standard Material	Options on request
Casing	Cast Iron	Ductile Iron
Impeller	Ductile Iron	Bronze / ASTM304(CF8) / ASTM316(CF8M)
Wear Plate	Cast Iron	Bronze / ASTM304 / ASTM316
Shaft	ASTM1045	ASTM304 / ASTM316 / ASTM420
Shaft Seal	Mechanical Seal	-

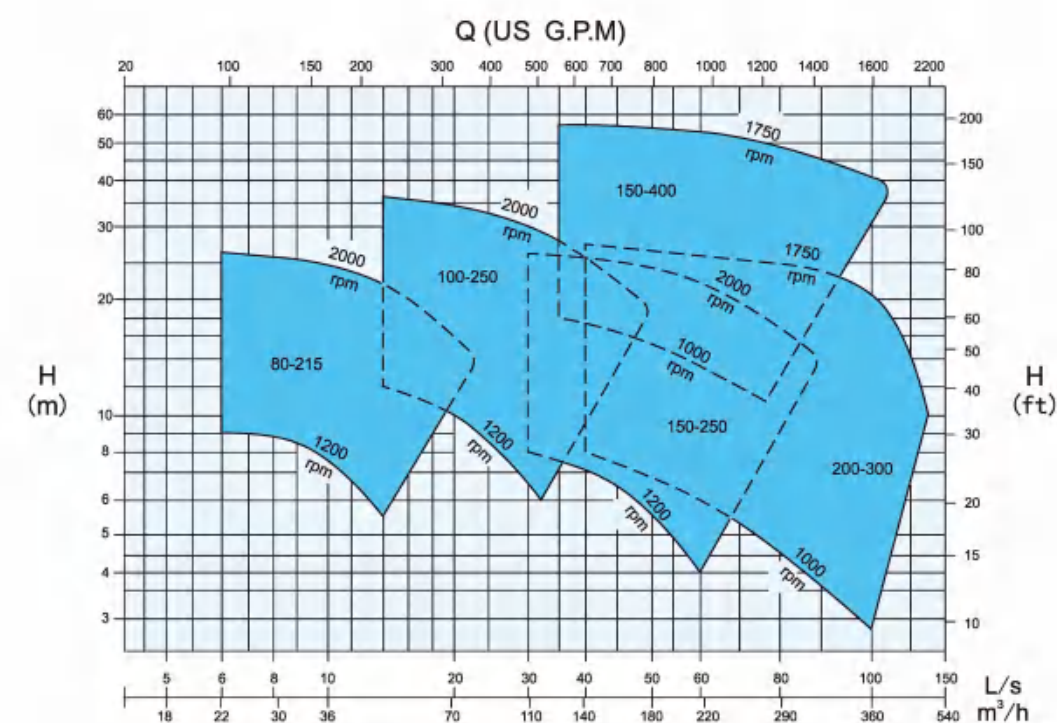
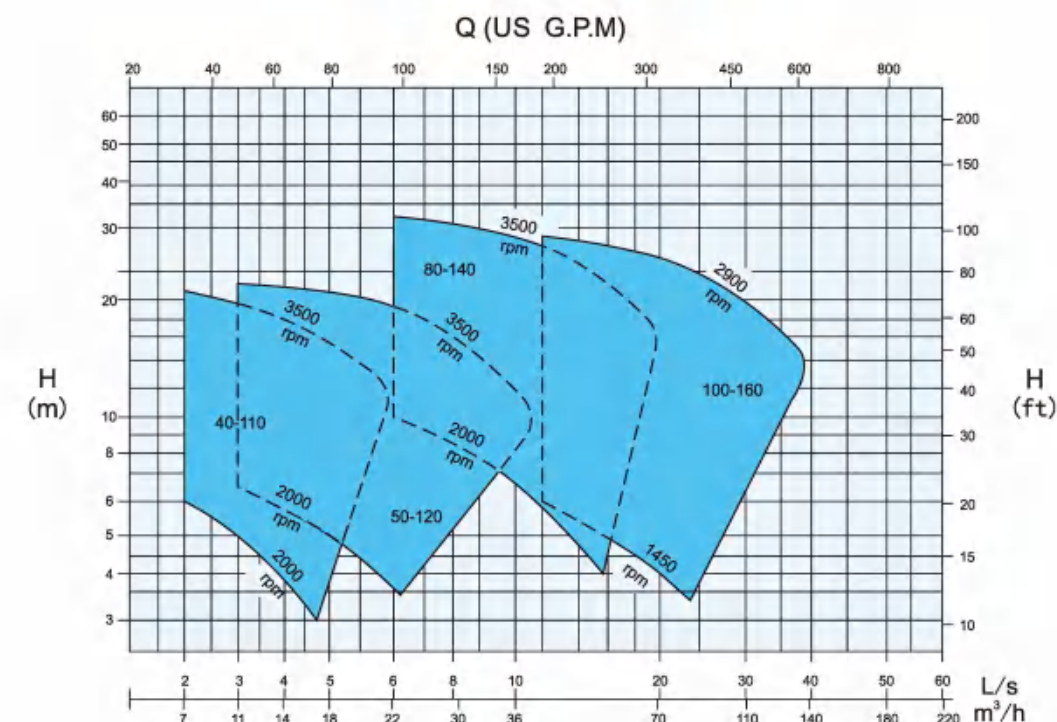
Operating Data

Items	EJ Series	EJZ Series
DN(mm)	40~200	40~100
Flow Rate(Q)	4~468m ³ /h	4~145m ³ /h
Head(H)	4~55m	4~40m
Max Solids Size	76mm	50mm
Self-priming Head	3~7m	
Speed	1450~3600 rpm; lower speed on request	
Max Temperature	80°C	
Conveying Medium	Neutral, acid or alkali clean or dirty liquids, containing sand, mud or solids in suspension	

Applications

- Waste Water Treatment Plant
- Wasing, Cooling, Circulation
- Smoke Scrubbing
- Marine - Ballasting & Bilge
- Liquid Transfer: clean or dirty water, mixed liquids, abrasive or corrosive liquids, low viscosity of petroleum products

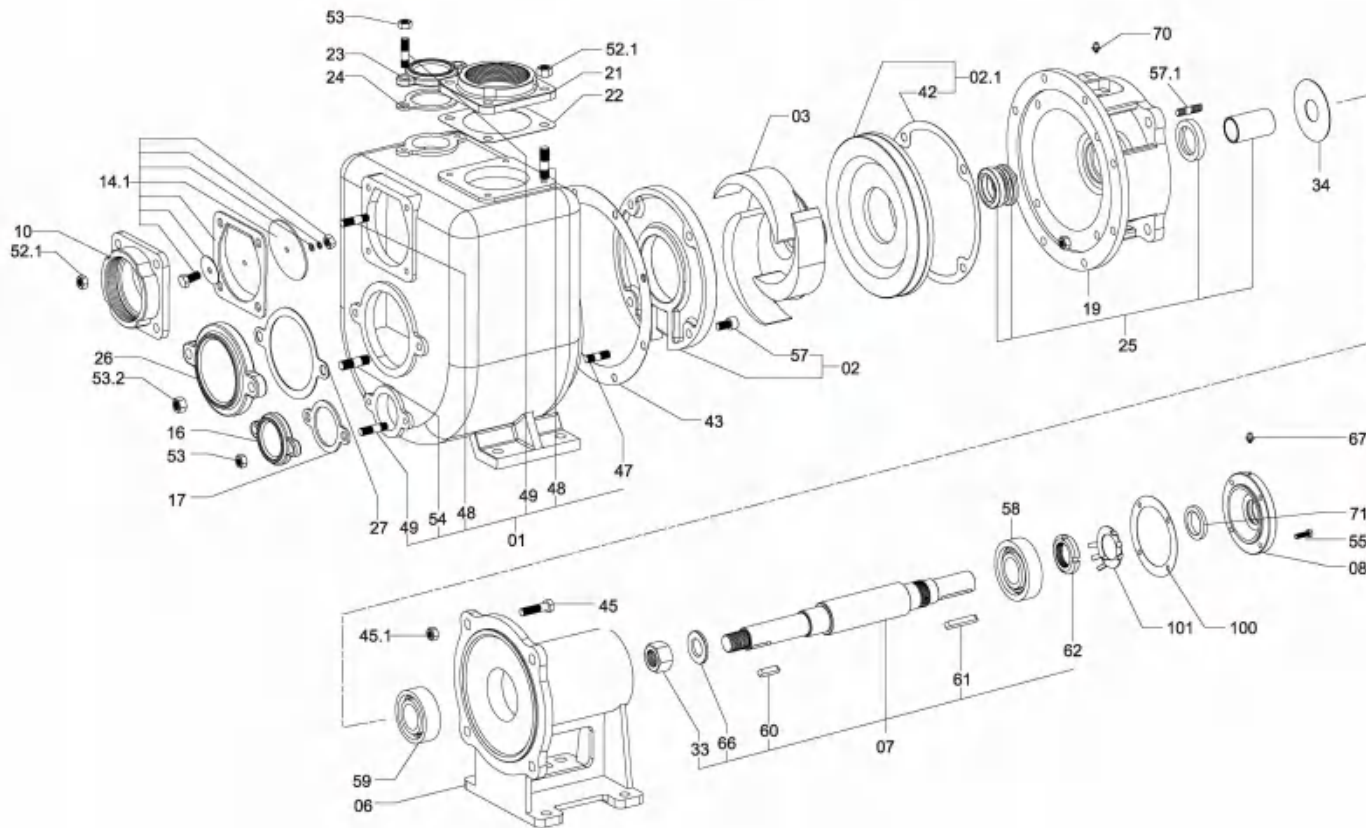
EJ/EJZ Series Performance



Performance to ISO9906 Grade 2

EJ Series Explode View & List of Parts

Model: EJ80-215

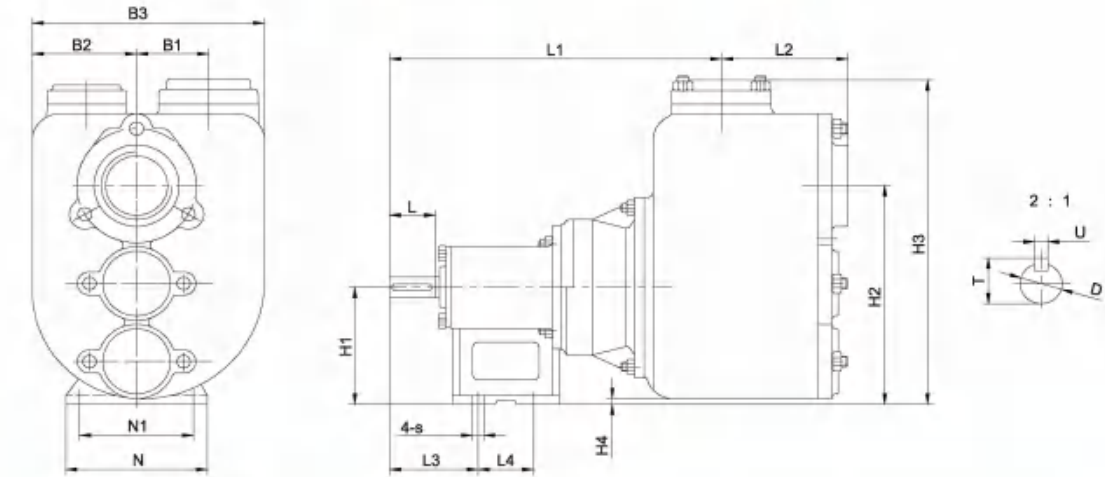


Code	Name
01	Casing
02	Wear Plate-Front
02.1	Wear Plate-Back
03	Impeller
06	Bearing Frame
07	Shaft
08	Bearing Cover
10	Suction Flange
14.1	Rubber Check
	Front Plate - Check Valve
	Back Plate - Check Valve
	Bolt
	Nut
16	Inspection Cover
17	Inspection Cover Gasket
19	Pump Cover
21	Discharge Flange
22	Discharge Gasket

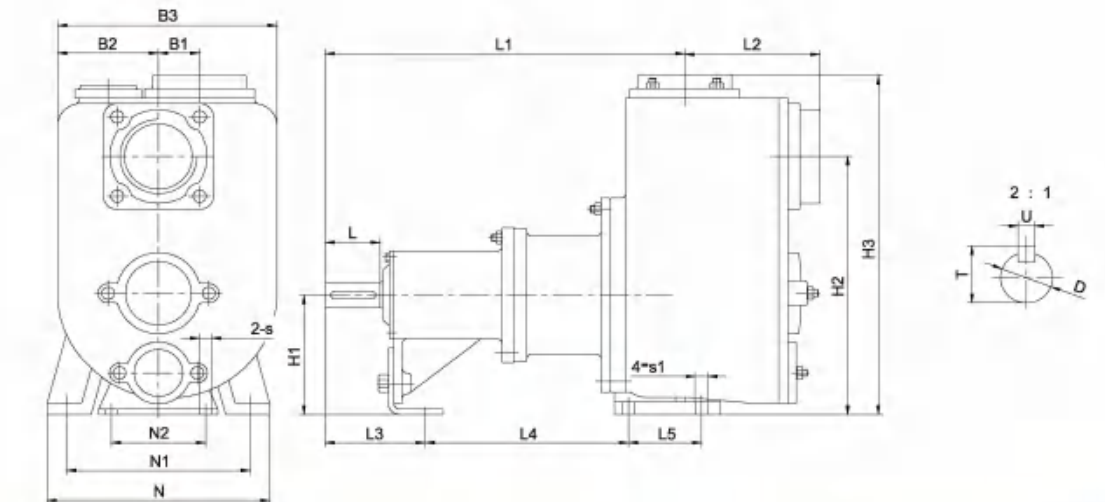
Code	Name
23	Inspection Cover
24	Inspection Cover Gasket
	Shaft Sleeve
25	Oil Seal
	Mechanical Seal
26	Inspection Cover
27	Inspection Cover Gasket
33	Impeller Nut
34	Water Deflector
42	Back Wear Plate Gasket
43	Casing Gasket
45	Bolt
45.1	Nut
47	Stud
48	Stud
49	Stud
52.1	Nut
53	Nut

Code	Name
53.2	Nut
54	Stud
55	Bolt
57.1	Screw Bolt
58	Ball Bearing
59	Ball Bearing
60	Key (Impeller)
61	Key (Shaft)
62	Bearing Lock Nut
66	Flat Washer
67	Grease Cup
70	Grease Cup
71	Lip Seal
100	Bearing Cover Gasket
101	Bearing Lock Nut Washer

EJ Series Installation Dimensions

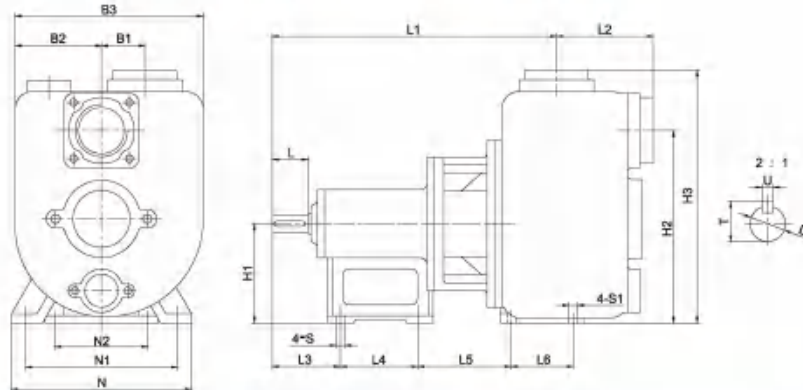


Model	Overall Dimensions					Installation Dimensions										Shaft			Weight kg
	B1	B2	B3	L1	L2	H1	H2	H3	H4	L	N1	N	L3	L4	s	T	U	D	
EJ40-110	30	80	173	263	75	90	163	240	-5	40	80	102	70	50	Φ10	21.5	6	Φ19	19
EJ50-120	36	94	210	300	114	110	206	306	5	41	103	128	80		Φ12				31
EJ100-160	37	150	300	442	180	160	341	462	10	60	150	182	110	125	Φ14	31	8	Φ28	130



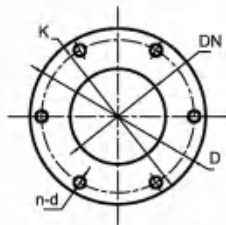
Model	Overall Dimensions					Installation Dimensions											Shaft			Weight	
	B1	B2	B3	L1	L2	H1	H2	H3	N2	N1	N	L	L3	L4	L5	s1	s	T	U	D	kg
EJ80-140	45	110	240	392	148	132	289	381	90	200	245	60	109	222	80	Φ14	Φ14	31	8	Φ28	55
EJ100-250	160	180	420	469	275	200	350	487	110	295	340	80	138	347	95		Φ15	35	10	Φ32	148
EJ150-250	90	220	480	566	292	250	454	590		350	410					322		170			
EJ150-400	280	280	700	700	365	350	645	795	150	450	510	110	180	478	200	Φ18	Φ18	59	16	Φ55	445
EJ200-300	75	288	575	764	290	315	535	720					165	499							

EJ Series Installation Dimensions



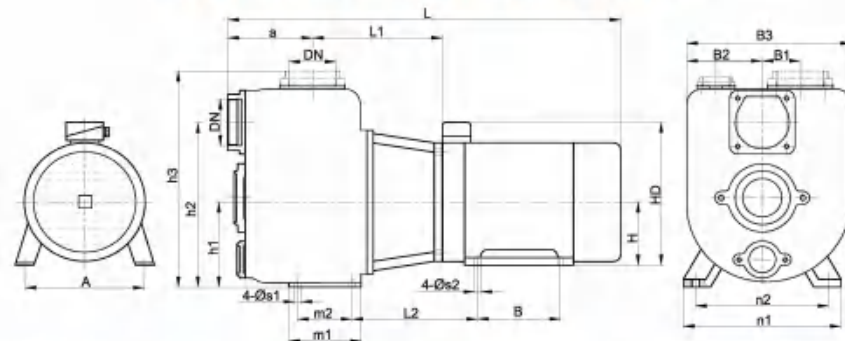
Model	Overall Dimensions				Installation Dimensions														Shaft			Weight kg
	B1	B2	B3	L1	L2	H1	H2	H3	N2	N1	N	L	L3	L4	L5	L6	s1	s	T	U	D	
EJ80-215	70	139	303	458	155	160	310	410	150	245	290	60	110	125	150	100	Φ14	Φ14	31	8	Φ28	75

Flange Dimensions



Model	Suction Flange(mm)				Discharge Flange(mm)			
	DN	D	K	n-d	DN	D	K	n-d
EJ40-110	RP1 1/2				RP1 1/2			
EJ50-120	RP2				RP2			
EJ80-140	RP3	-	-	-	RP3	-	-	-
EJ80-215								
EJ100-160	RP4	-	-	-	RP4	-	-	-
EJ100-250								
EJ150-250	Φ150	Φ276	Φ240	6-Φ18	Φ150	Φ276	Φ240	6-Φ18
EJ150-400								
EJ200-300	Φ200	Φ320	Φ280	8-Φ18	Φ200	Φ320	Φ280	8-Φ18

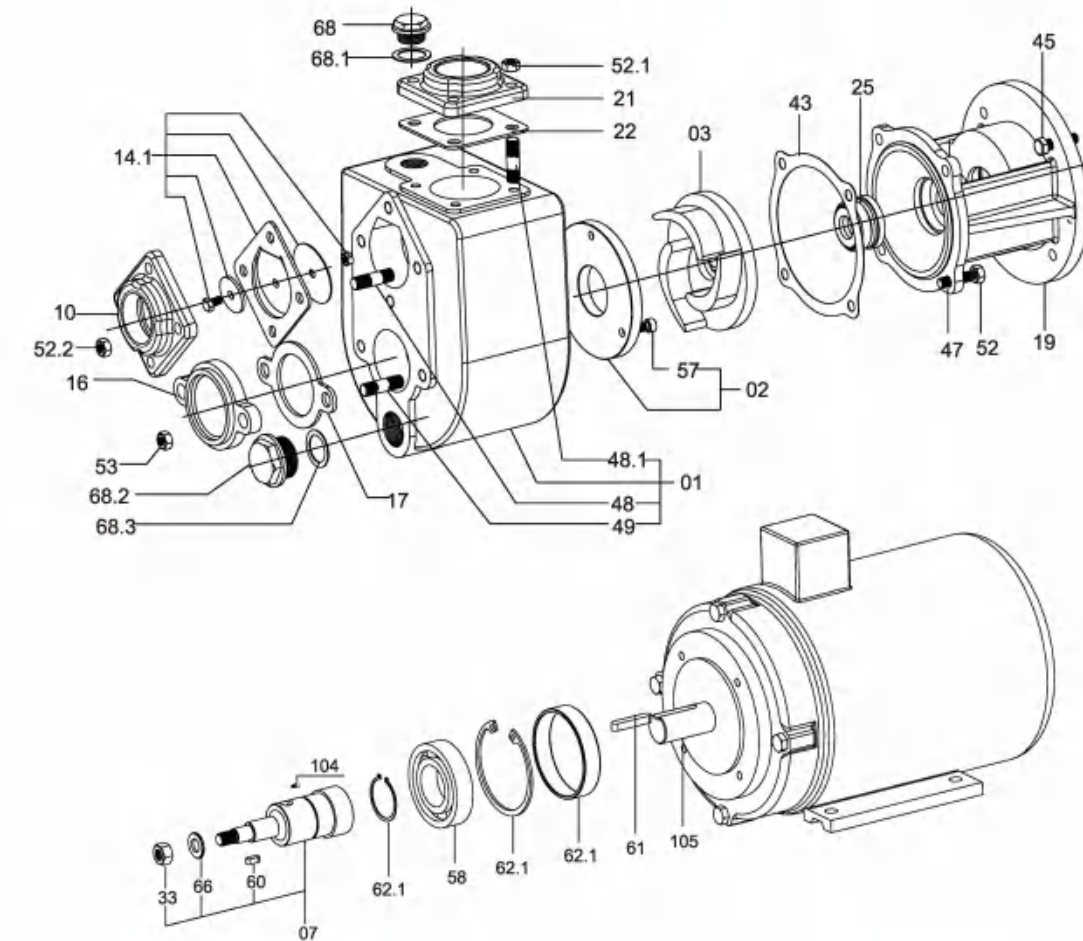
EJZ Series Installation Dimensions (50Hz)



Model	Motor(B34)		Installation Dimensions (mm)																				Weight (kg)			
	Model	kw	DN	B1	B2	B3	h1	h2	h3	m1	m2	n1	n2	a	L1	s1	s2	H	HD	A	B	L2	L	Pump	Motor	Total
EJZ40-110-01102	Y2-802-2	1.1	1 ½"	30	80	173	95	168	245					75	153.5			80	215	125	100		485	17	17	34
EJZ50-120-02202	Y2-90L-2	2.2	2"	36	94	210	105	201	321	-	-	-	-	114	185	-	10	90	235	140	125	-	595	27	25	52
EJZ80-140-04002	Y2-112M-2	4	3"	45	110	240	132	287	380	115	80	245	200	148	202.5			112	284	190		211	690	48	42	90
EJZ80-140-05502	Y2-132S1-2	5.5		45											225.5	14	12	132	324	216	140		253	763	50	64
EJZ80-215-04004	Y2-112M-4	4	4"	70	139	303	160	310	410	133	100	290	245	156	239			112	284	190		226	735	67	46	113
EJZ100-160-15002	Y2-160M2-2	15		37	150	300		341	462	-	-	-	-	180	283.5	-	15	160	406	254	210	-	969	125	107	232
EJZ100-250-07504	Y2-132M-4	7.5		160	180	420	200	350	487	145	95	340	295	275	226.5	14	12	132	324	216	178	331.5	932	135	77	212

EJZ Series Explode View & List of Parts

Model: EJZ50-120-02202



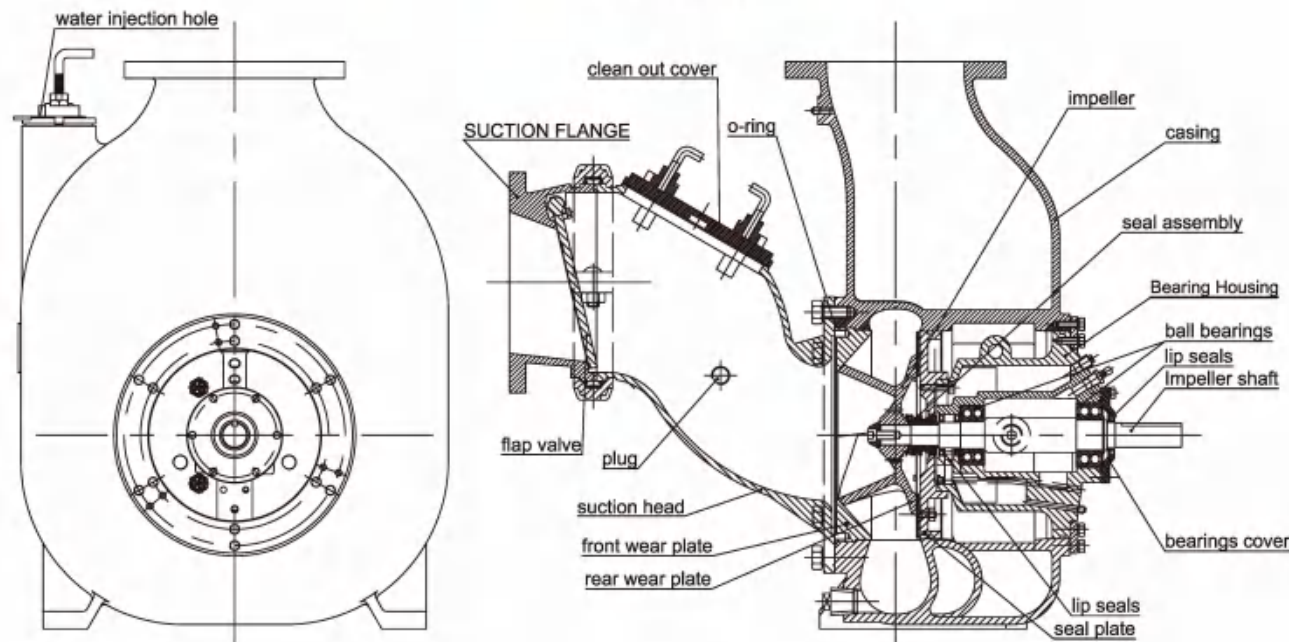
Code	Part Name
01	Casing
02	Wear Plate
03	Impeller
07	Shaft
10	Suction Flange
14.1	Rubber Check
14.1	Check Valve Plate (Front)
14.1	Check Valve Plate (Back)
16	Inspection Cover
17	Inspection Cover Gasket
19	Adapter

Code	Part Name
21	Discharge Flange
22	Discharge Gasket
23	Inspection Cover
24	Inspection Cover Gasket
25	Mech. Seal
26	Inspection Cover
27	Inspection Cover Gasket
33	Impeller Nut
43	Casing Cover Gasket
45	Screw Bolt
47	Double-screw Stud
48	Double-screw Stud
48.1	Double-screw Stud
49	Double-screw Stud

Code	Part Name
52	Screw Nut
53	Screw Nut
57	Bolt & Nut
58	Ball Bearing
60	Key
61	Key
62.1	External Circlip
62.1	Rubber Pad
62.1	Internal Circlip
66	Flat Washer
68	Plug Screw
68.1	O-ring
68.2	Plug Screw
68.3	O-ring
104	Set Screw
105	Motor

EJT Series Explode View & List of Parts

Model:EJT10



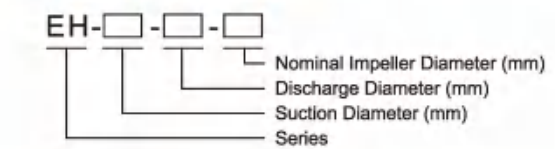
Description & Features

EH 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 head 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



Material

Pump Part	Material
Casing	Cast Iron
	Ductile Iron
Impeller	Cast Iron
	Brass
	Bronze
	Stainless Steel
Shaft	Carbon Steel
	Stainless Steel

Operating Data

Flowrate: Max. 1200 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~145°C (Special Material)

Speed(r/min): 1450 / 2900 (50Hz),

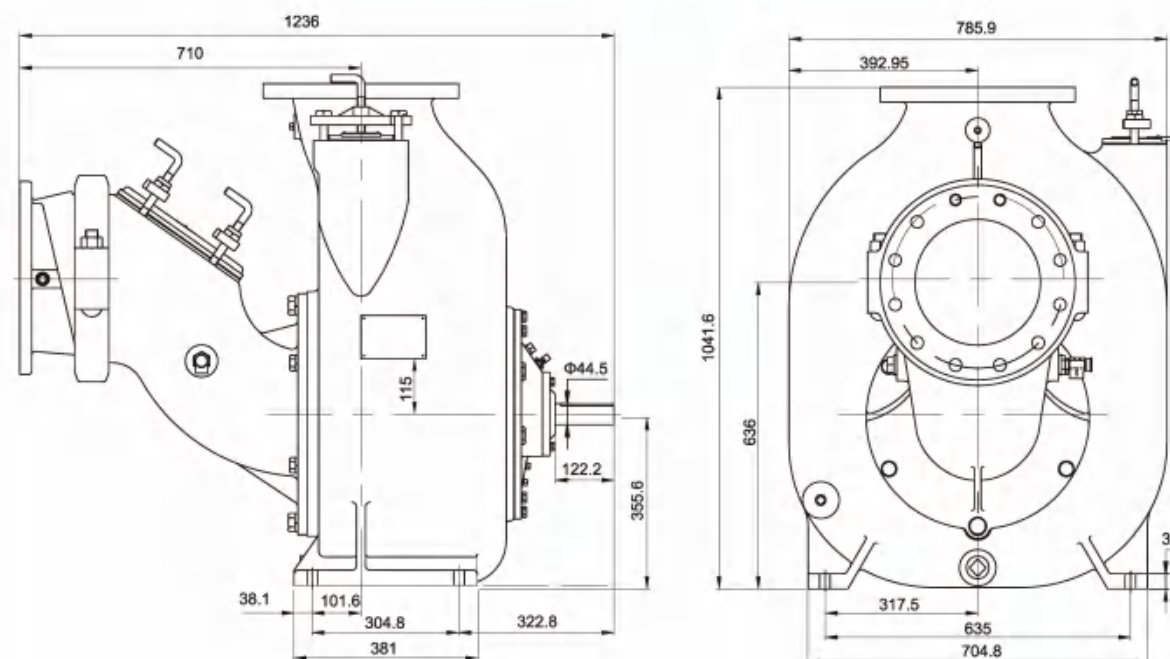
1750 / 3500 (60Hz)

Applications

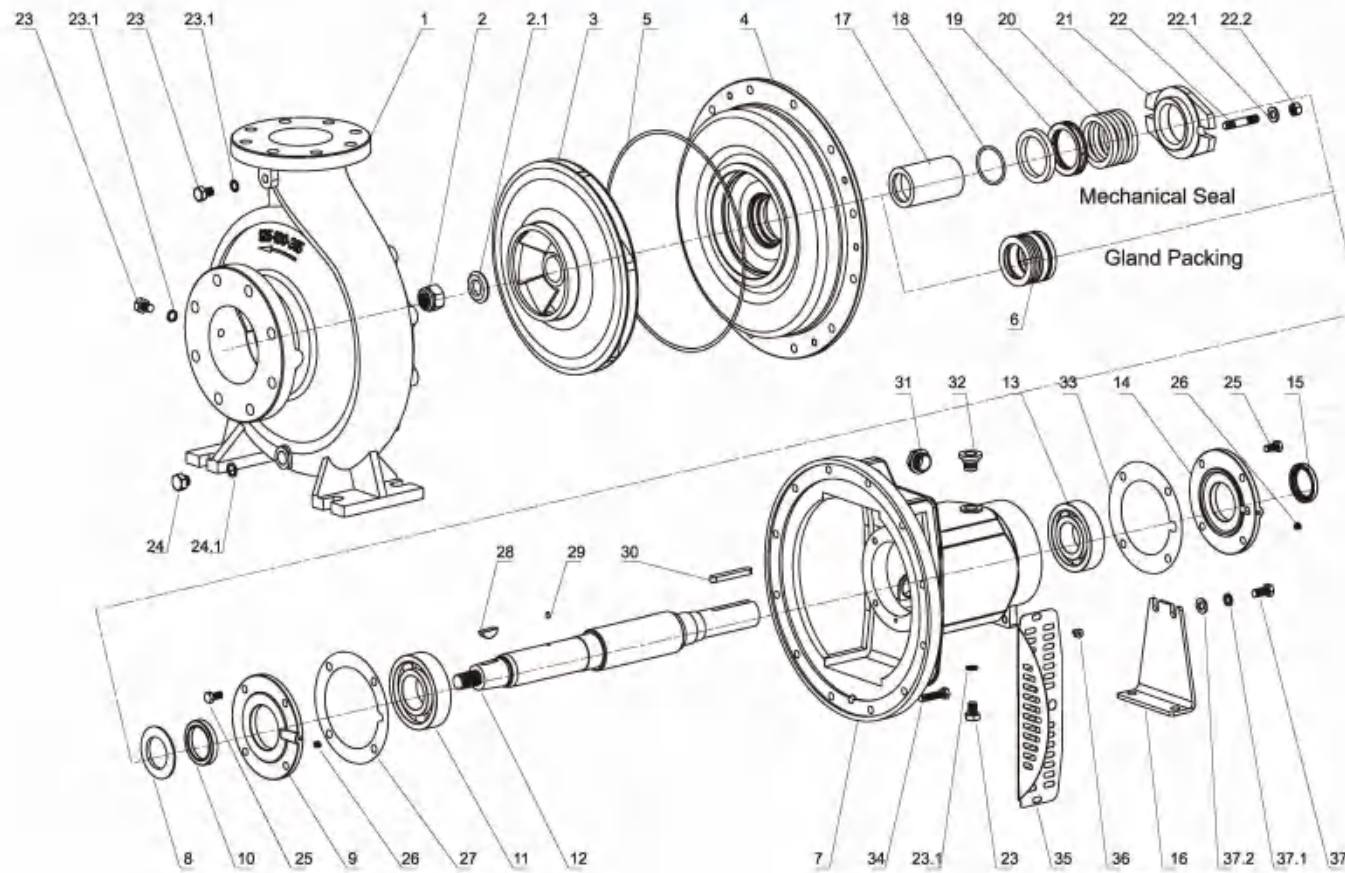
- Water supply and drainage
- HVAC and Cooling Tower
- Fire Protection and Fire Fighting
- Marine-Ballasting & Bilge
- Booster and Pressurization Set
- Irrigation and agriculture
- Water supply and drainage

EJT Series Installation Dimensions

Model:EJT10



EH Series Explode View & List of Parts

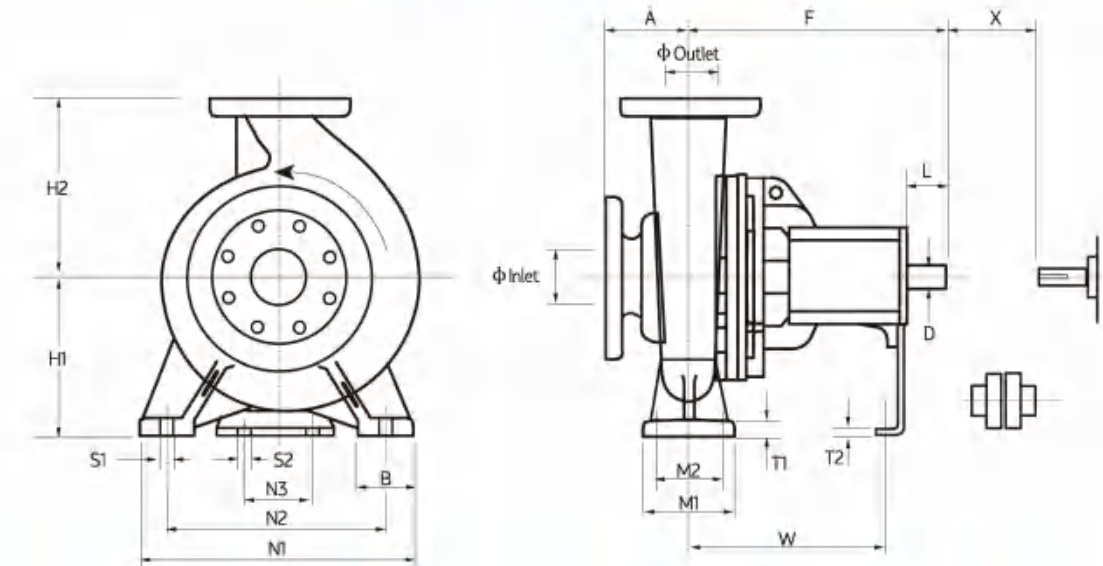


Code	Part Name
1	Casing
2	Impeller Nut
2.1	Wear ring retainer
3	Impeller
4	Cover
5	Packing Cover
6	O-ring
7	MG9 Mech.Seal
8	Bearing Housing
9	Rubber Slinger
10	NDE Bering Cover
11	NDE oil Seal
12	NDE Bering
13	DE Bering

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	Gland Cover
22.1	Flat Washer
22.2	Screw Nut
23	Plug
23.1	Plug gasket
24	Plug
24.1	Plug gasket
25	Screw Bolt

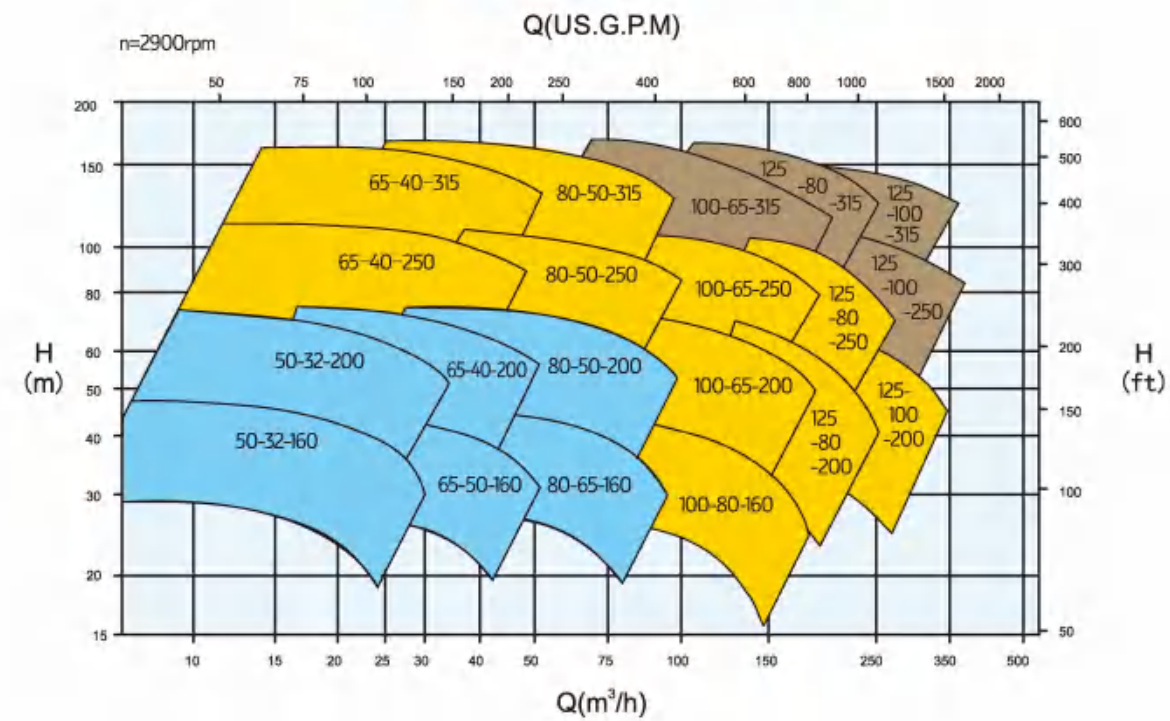
Code	Part Name
26	Oil Cup M6
27	NDE Throat Bushing Gasket
28	key
29	Pin
30	key
31	Oil Scale
32	Oil Cover
33	DE Throat Bushing Gasket
34	Screw Bolt
35	Guard
36	Bolt
37	Screw Bolt
37.1	Elastic Washer
37.2	Flat Washer

EH Series Installation Dimensions

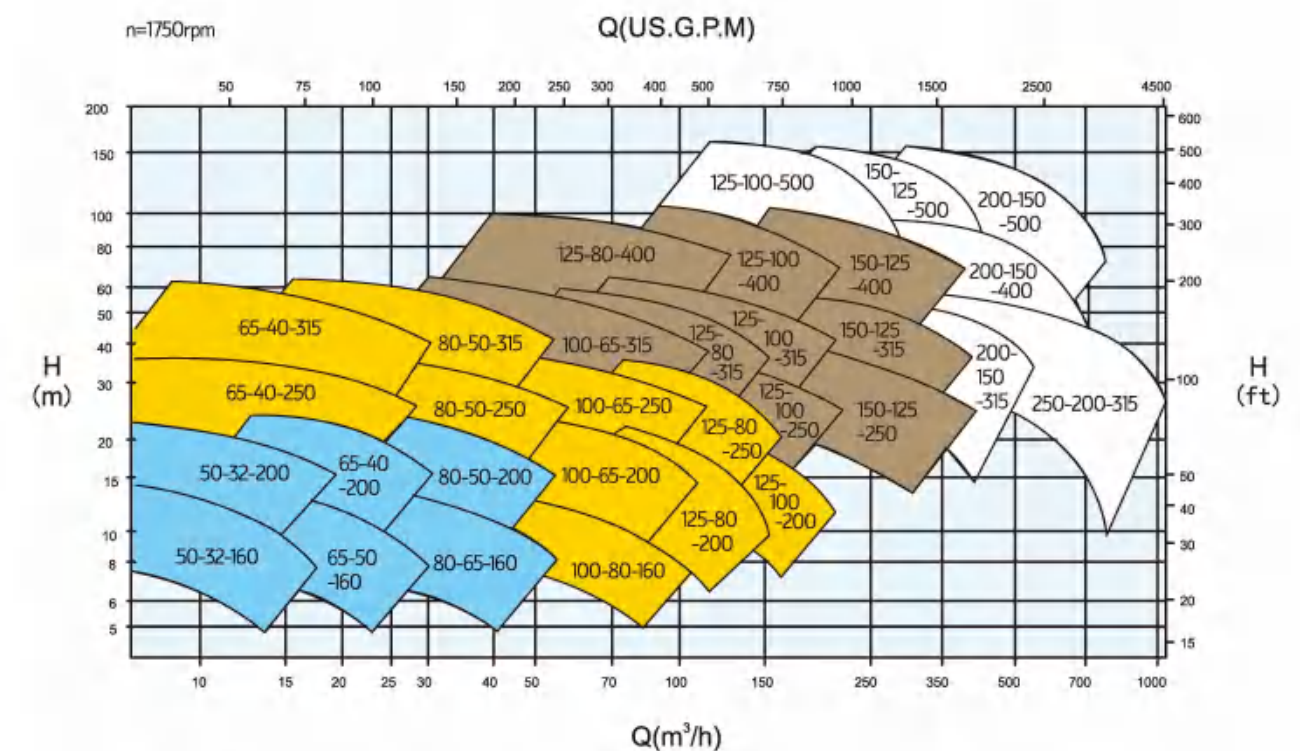
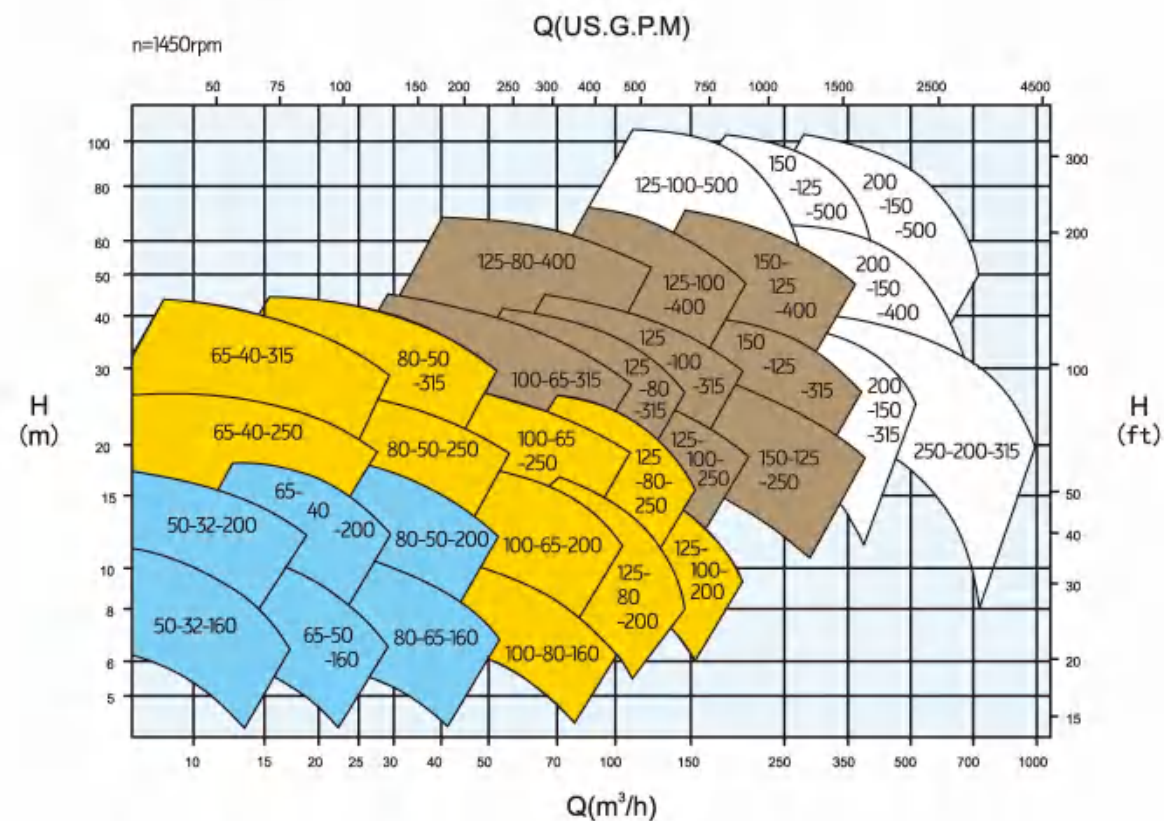
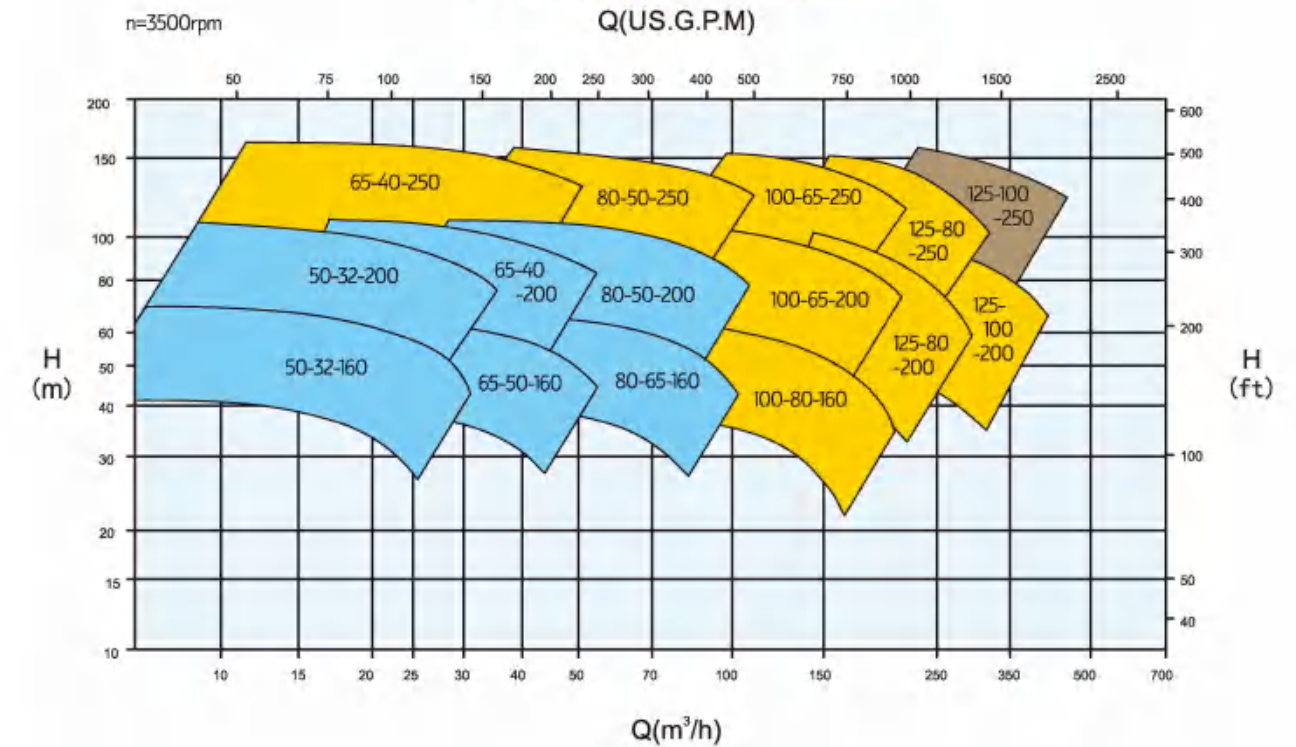


Model			Shaft No.	Pump Dimensions					Mounting Dimensions								Bolt Holes		Shaft End		GAP*	Weight
Inlet	Outlet	Imp Dia		A	F	H1	H2	B	M1	M2	N1	N2	N3	T1	T2	W	S1	S2	D	L		
50	32	160	1	80	385	132	160	50	100	70	240	190	110	12	6	285	M12	M12	24	50	4	43
50	32	200	1	80	385	160	180	50	100	70	240	190	110	13	6	285	M12	M12	24	50	4	49
65	50	160	1	80	385	132	160	50	100	70	240	190	110	12	6	285	M12	M12	24	50	4	44
65	40	200	1	100	385	160	180	50	100	70	265	212	110	13	6	285	M12	M12	24	50	4	51
65	40	250	2	100	500	180	225	65	125	95	320	250	110	14	6	370	M12	M12	32	80	4	71
65	40	315	2	125	500	200	250	65	125	95	345	280	110	16	6	370	M12	M12	32	80	4	90
80	65	160	1	100	385	160	180	50	100	70	265	212	110	13	6	285	M12	M12	24	50	4	49
80	50	200	1	100	385	160	200	50	100	70	265	212	110	13	6	285	M12	M12	24	50	4	53
80	50	250	2	125	500	180	225	65	125	95	320	250	110	15	6	370	M12	M12	32	80	4	76
80	50	315	2	125	500	225	280	65	125	95	345	280	110	18	6	370	M12	M12	32	80	4	94
100	80	160	2	100	500	160	200	65	125	95	280	212	110	14	6	370	M12	M12	32	80	4	68
100	65	200	2	100	500	180	225	65	125	95	320	250	110	15	6	370	M12	M12	32	80	6	72
100	65	250	2	125	500	200	250	80	160	120	360	280	110	16	6	370	M16	M12	32	80	6	84
100	65	315	3	125	530	225	280	80	160	120	400	315	110	18	8	370	M16	M12	42	110	6	122
125	80	200	2	125	500	180	250	65	125	95	345	280	110	16	6	370	M12	M12	32	80	6	81
125	80	250	2	125	500	225	280	80	160	120	400	315	110	18	6	370	M16	M12	32	80	6	88
125	80	315	3	125	530	250	315	80	160	120	400	315	110	20	8	370	M16	M12	42	110	6	130
125	80	400	3	125	530	280	355	80	160	120	435	355	110	20	8	370	M16	M12	42	110	6	163
125	100	200	2	125	500	200	280	80	160	120	360	280	110	17	6	370	M16	M12	32	80	6	87
125	100	250	3	140	530	225	280	80	160	120	400	315	110	18	8	370	M16	M12	42	110	6	122
125	100	315	3	140	530	250	315	80	160	120	400	315	110	19	8	370	M16	M12	42	110	6	138
125	100	400	3	140	530	280	355	100	200	150	500	400	110	20	8	370	M20	M12	42	110	6	175
125	100	500	4	160	670	355	450	100	210	150	540	450	140	25	10	500	M20	M16	48	110	6	378
150	125	250	3	140	530	250	355	80	160	120	400	315	110	19	8	370	M16	M12	42	110	6	135
150	125	315	3	140	530	280	355	100	200	150	500	400	110	20	8	370	M20	M12	42	110	6	156
150	125	400	3	140	530	315	400	100	200	150	500	400	110	21	8	370	M20	M12	42	110	6	193
150	125	500	4	160	670	355	450	100	210	150	540	450	140	25	10	500	M20	M16	48	110	6	402
200	150	315	4	160	670	315	400	100	210	150	540	450	140	20	10	500	M20	M16	48	110	8	274
200	150	400	4	160	670	315	450	100	210	150	540	450	140	25	10	500	M20	M16	48	110	8	339
200	150	500	4	160	670	400	500	100	210	150	540	450	140	25	10	500	M20	M16	48	110	8	426
250	200	315	4	180	670	315	450	100	210	150	540	450	140	25	10	500	M20	M16	48	110	8	314

EH Series-50Hz Performance



EH Series-60Hz Performance



Performance to ISO9906 Grade 2 for clean cold water only

Performance to ISO9906 Grade 2 for clean cold water only