



Submersible pumps

for dewatering, sewage, marine and rental markets.



AFEC pumps – best return on investment



AFEC Pumps; a complete line of submersible pumps offering Best Return on Investment.

Nothing but the best will do. AFEC Pump is a premier ISO certified manufacturer of electric submersible pumps.

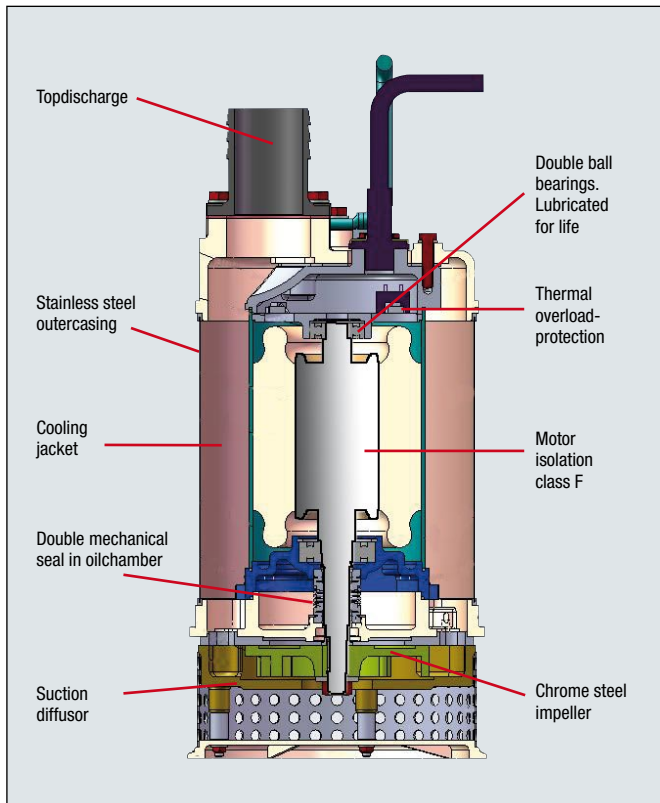
We offer;

- Decades of professional manufacturing experience in submersible pumps.
- Superior capability in design, testing and production.
- A compact and sturdy line of pumps in compliance with international standards.
- Professional technical and sales support.

AFEC Pumps Europe BV, established in 2002 as the European distributor, holds a wide stock of pumps and spare-parts. Based in the Netherlands it assures support in sales and service as you expect it to be.

AFEC pumps have proven to be reliable in the toughest conditions as faced in construction, rental and sewage applications. This combined with our experience, knowlegde and enthousiasme makes partnership in pump business.





All professional designed contractor pumps do have more or less the same construction. The pumps need to be reliable, high resistant and have to work under the most heavy conditions.

AFEC submersible dewatering pumps are all executed with:

- Quality, double mechanical seal in oil chamber.
- Stainless steel shaft.
- Wear resistant impeller and wearplate.
- Complete sealed watertight cable inlet.
- Quality motors IP 68.
- Thermal overload protection.

What makes AFEC different:

- Competitive to all others with the best Return on Investment.
- Modular system.
- Easy in service and maintenance.
- Excellent performance in silty waters.



DEWATERING / DRAINAGE

FS SERIES TOP DISCHARGE

Type	Discharge / kW	Voltage	Page
FS 400	2" / 0,4	230	5
FS 750	2" / 0,75	230	5
FS 1500 (S)	2" / 1,5	230-400	5

FS 215 (S)	2" / 1,5	230-400	6
FS 315 (S)	3" / 1,5	230-400	6

FS 222	2" / 2,2	400	7
FS 322	3" / 2,2	400	7

FS 237	2" / 3,7	400	8
FS 337	3" / 3,7	400	8
FS 437	4" / 3,7	400	8

FS 355	3" / 5,5	400	9
FS 455	4" / 5,5	400	9

FS 475	4" / 7,5	400	10
FS 675	6" / 7,5	400	10

FS 4110	4" / 11	400	11
FS 6110	6" / 11	400	11

FS 4220	4" / 22	400	12
FS 6220	6" / 22	400	12
FS 8220	8" / 22	400	12

KO SERIES SIDE DISCHARGE

Type	Discharge / kW	Voltage	Page
KO 204	2" / 0,4	230	13
KO 208	2" / 0,75	230	13
KO 215 (S)	2" / 1,5	230-400	13
KO 315 (S)	3" / 1,5	230-400	13

SEWAGE

BV SERIES SEWAGE PUMPS

Type	Discharge / kW	Voltage	Page
BV 204	2" / 0,4	230	14
BV 208	2" / 0,75	230	14
BV 315 (S)	3" / 1,5	230-400	14

BV 322	3" / 2,2	400	15
BV 337	3" / 3,7	400	15
BV 455	4" / 5,5	400	15

SPECIAL APPLICATIONS

FSR RESIDUE PUMP

Type	Discharge / kW	Voltage	Page
FSR 400	1" / 0,4	230	16
FSR 400	2" / 0,4	230	16

FSS STAINLESS STEEL PUMPS

Type	Discharge / kW	Voltage	Page
FSS 250	2" / 0,25	230	17
FSS 400	2" / 0,4	230	17
FSS 750	2" / 0,75	230	17

FLS CONTRACTOR PUMP

Type	Discharge / kW	Voltage	Page
FLS 400	2" / 0,4	230	18

LB SMALL SUBMERSIBLE PUMPS

Type	Discharge / kW	Voltage	Page
LB 15	1" / 0,15	230	19

Submersible pumps single phase FS 400 / 750 / 1500 (S)



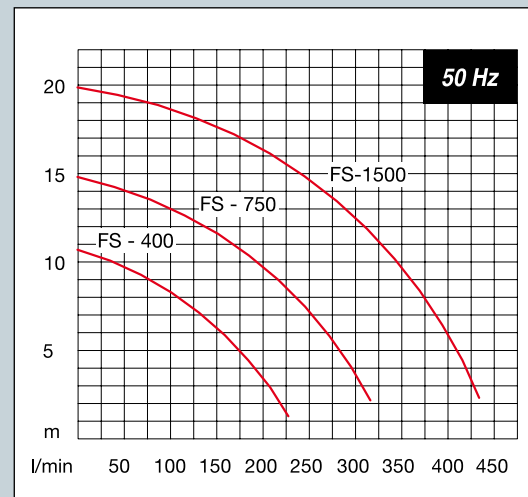
AFEC contractor pumps are designed for continuous operation.

- Stainless steel outercasing - cooling for continuous operation.
- Dynamically balanced chrome-steel impellers, high wear resistant.
- Double mechanical seal in oilbath.
- Lubricated for life, maintenance free bearings.
- Motor class F – IP 68 execution with thermal overload protection.
- Easy in maintenance and service.
- Pumps also available in 110 V – 60 Hz.
- FS 1500 also available in 3 phase – 400 V.



Technical specification

Shaft	stainless steel 1.4006
Outercase	stainless steel 1.4301
Suctionplate	stainless steel 1.4301
Impeller	chrome steel
Cable	10 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless 1.4301
Motor execution	IP 68 – Class F
Max. motor temperature	40°C (104° F)
Voltage	1 phase – 230 V – 50 Hz 2850 RPM



Type	Discharge inch	Motor kW	Voltage V	Head (max.) m	Capacity (max.) m ³ /h	Free passage mm	Weight kg	Dimensions	
								Highth mm	Diameter mm
FS-400*	2"	0,40	230	11	14	6	12	332	184
FS-750*	2"	0,75	230	15	18	8	15	359	184
FS-1500(S)**	2"	1,50	400	20	26	9	26	434	225

*) also with floatswitch **) 400 Volt execution delivered with 20 m. H07-RNF cable. (S) = single phase 230 Volt.

AFEC pumps – best return on investment



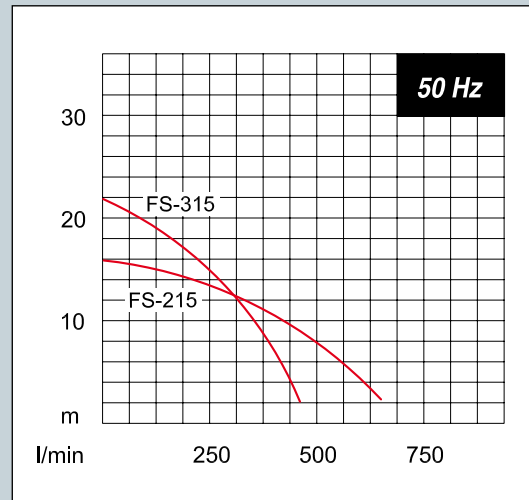
Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.

AFEC pumps designed for continuous operation.

- Pumpcasing double design stainless steel/cast iron.
- Dynamically balanced high chrome steel impeller.
- Double mechanical seal in oilbath.
- Fine castings discharge and topcover.
- Standard with 20 meter cable H07RNF.
- Stainless steel motor shaft protected by shaft sleeve.
- Discharge, volute and impeller are easily changed for different performances.

Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	chrome steel
Cable	20 meter H07RNF (400 Volt)
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	1 phase 230 V - 50 Hz - 2850 RPM 3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FS-215 (S)	2"	1,5	400	22	24	9	35	573	234
FS-315 (S)	3"	1,5	400	16	39	9	35	573	234

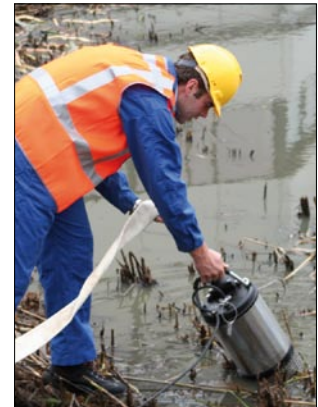
S = single phase 230 V.



Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.

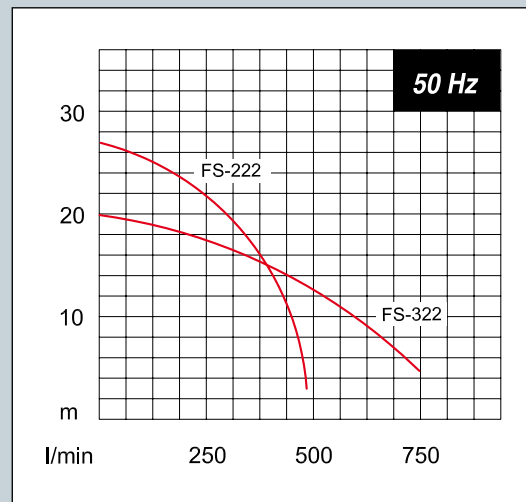
AFEC pumps designed for continuous operation.

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- Dynamically balanced high chrome steel impeller.
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- Discharge, volute and impeller are easily changed for different performances.



Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	chrome steel
Cable	20 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	3 phase 400 V - 50 Hz - 2850 RPM



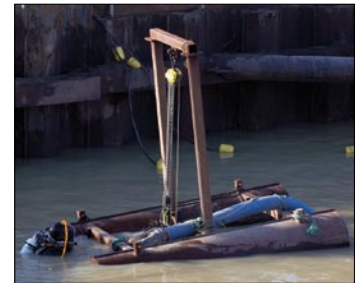
Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FS - 222	2"	2,2	400	27	24	9	41	608	234
FS - 322	3"	2,2	400	20	45	9	41	608	234



Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.

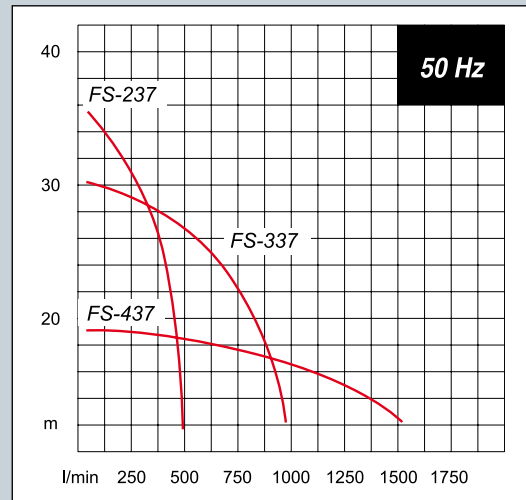
AFEC pumps designed for continuous operation.

- Pumpcasing double design stainless steel/cast iron.
- Dynamically balanced high chrome steel impeller.
- Double mechanical seal in oilbath.
- Fine castings discharge and topcover.
- Standard with 20 meter cable H07RNF.
- Stainless steel motor shaft protected by sleeve against direct wear.
- Discharge, volute and impeller are easily changed for different performances.



Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	chrome steel
Cable	20 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FS - 237	2"	3,7	400	35	30	11	58	642	285
FS - 337	3"	3,7	400	30	54	11	58	642	285
FS - 437	4"	3,7	400	18	90	11	58	642	285

Construction dewatering pumps FS 355 / 455



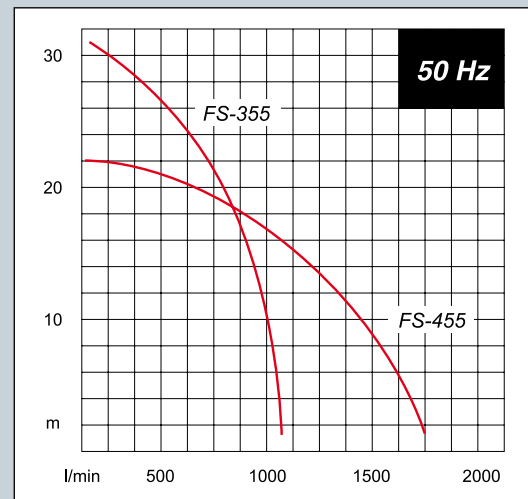
Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.

AFEC pumps designed for continuous operation.

- Pumpcasing double design stainless steel/cast iron.
- Dynamically balanced high chrome steel impeller.
- Double mechanical seal in oilbath.
- Fine castings discharge and topcover.
- Standard with 20 meter cable H07RNF.
- Stainless steel motor shaft protected by sleeve against direct wear.
- Discharge, volute and impeller are easily changed for different performances.

Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	chrome steel
Cable	20 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FS - 355	3"	5,5	400	32	72	11	64	660	285
FS - 455	4"	5,5	400	22	102	11	64	660	285

AFEC pumps – best return on investment



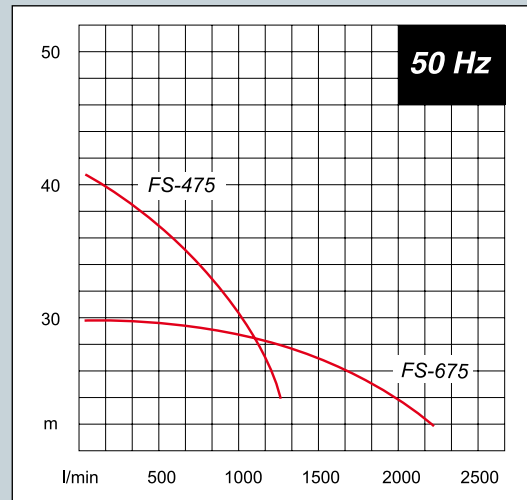
Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.

AFEC pumps designed for continuous operation.

- Pumpcasing double design stainless steel cast/iron.
- Dynamically balanced high chrome steel impeller.
- Ball bearings lubricated for life and free maintenance.
- Double mechanical seal in oilbath.
- Fine castings discharge and topcover.
- Standard with 20 meter cable H07RNF.
- Stainless steel motor shaft protected by sleeve against direct wear.
- Discharge, volute and impeller are easily changed for different performances.

Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	chrome steel
Cable	20 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FS - 475	4"	7,5	400	40	90	15	123	770	344
FS - 675	6"	7,5	400	28	130	15	123	770	344

AFEC pumps – best return on investment

Construction dewatering pumps FS 4110 / 6110



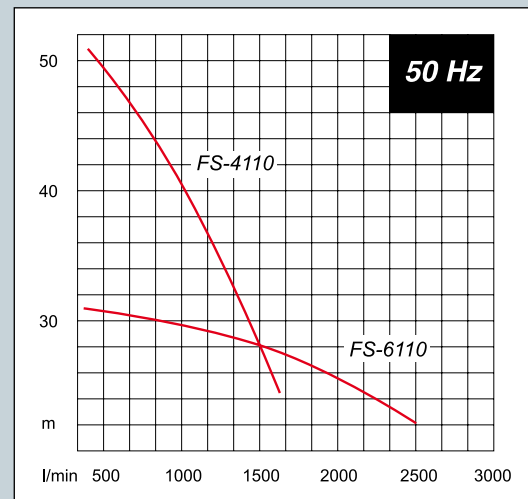
Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.

AFEC pumps designed for continuous operation.

- Pumpcasing double design stainless steel/cast iron.
- Dynamically balanced high chrome steel impeller.
- Ball bearings lubricated for life and free maintenance.
- Double mechanical seal in oilbath.
- Fine castings discharge and topcover.
- Standard with 20 meter cable H07RNF.
- Stainless steel motor shaft protected by sleeve against direct wear.
- Discharge, volute and impeller are easily changed for different performances.

Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	chrome steel
Cable	20 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FS - 4110	4"	11	400	50	90	15	134	770	344
FS - 6110	6"	11	400	30	150	15	134	770	344

AFEC pumps – best return on investment



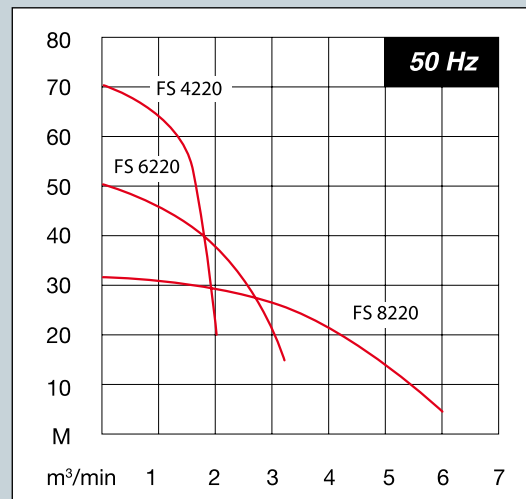
Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.

AFEC pumps designed continuous operation.

- Pumpcasting double design stainless steel/cast iron.
- Dynamically balanced high chrome steel impeller.
- Ball bearings lubricated for life and free maintenance.
- Fine casting discharge and top cover.
- Standard with 20 meter cable H07RNF.
- Stainless steel motor shaft protected by sleeve against direct wear.
- Discharge, volute and impeller are easily changeable for different performances.

Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	chrome steel
Cable	20 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m³/h	mm	kg	mm	mm
FS 4220	4"	22	400	70	120	15	249	1043	420
FS 6220	6"	22	400	50	192	15	250	1043	420
FS 8220	8"	22	400	31	360	15	251	1043	420

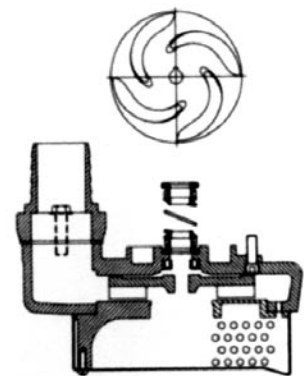
AFEC pumps – best return on investment

Construction dewatering pumps KO 204 / 208 / 215 (S) / 315 (S)



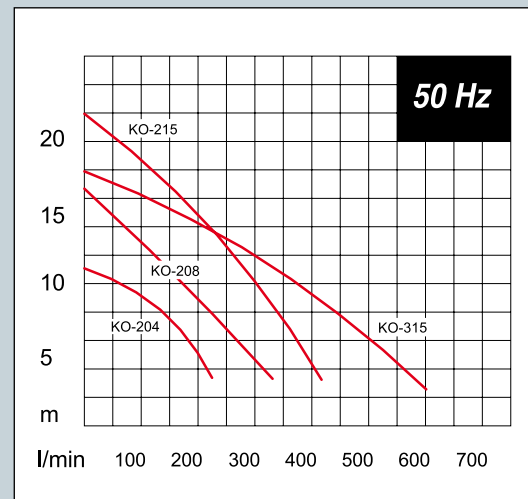
Compact design and high durability for various dewatering applications and construction.

- Side discharge.
- Special heat treated 410 stainless steel motorshaft.
- Durable cast iron outercase to achieve superior heat transfer.
- Double mechanical seal in oilbath.
- Balanced impeller.
- 20 meter cable H07RNF.



Technical specification

Shaft	stainless steel 1.4006
Pumpcasing	cast iron
Impeller	cast iron
Cable	230 V - 10 meter H07RNF 400 V - 20 meter H07RNF
Packing	NBR
Mechanical seal	primary SiC/SiC secondary Co/CE
Nuts/bolts	stainless steel 1.4301
Motor temperature	40° C (104° F)
Motor execution	IP 68 class F
Voltage	1 phase 230 V - 50 Hz - 2850 RPM 3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
KO204*	2"	0,40	230	11	12	6	17	377	173
KO208*	2"	0,75	230	15	18	6	23	440	200
KO215 (S)	2"	1,5	400	20	24	6	36	440	200
KO315 (S)	3"	1,5	400	18	36	6	36	440	200

* Also with floatswitch. S = single phase 230 V with 10 meters of H07RNF cable

AFEC pumps – best return on investment



Unique non-clog design for handling waste water containing sewage, grass, sand and various solids.

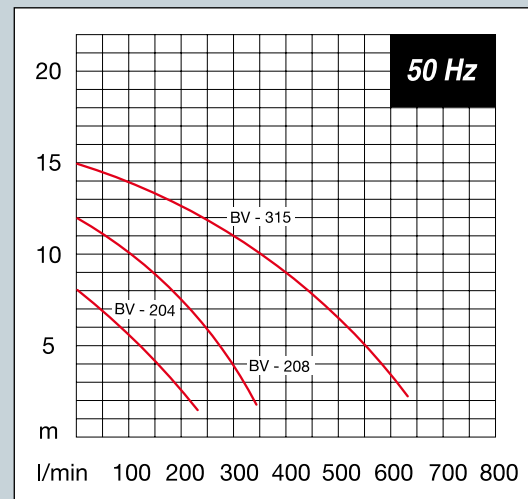
Balanced impeller in semi-vortex design creates a vortex effect to carry soft or fibrous particles without clogging. Free passage 25-45 mm type related.

- Pumps with motor protection and double mechanical seal in oil-bath.
- 20 meter cable H07RNF.



Technical specification

Motorhouse	cast iron
Pumpcasing	cast iron
Impeller	cast iron
Motorshaft	stainless steel
Bolts/nuts	stainless steel
O-rings	NBR rubber
Mechanical seal	primary SiC/SiC secondary Co/Ce
Motor execution	IP 68 Class F
Voltage	1 phase 230 V - 50 Hz - 2850 RPM 3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
BV204*	2"	0,40	230	8	14	25	18	385	162
BV208*	2"	0,75	230	12	18	25	22	462	162
BV315 (S)	3"	1,5	400	15	33	45	27	487	170

* Also with floatswitch. S = single phase 230 V with 10 meters of H07RNF cable

Sewage pump

BV 322 / 337 / 455



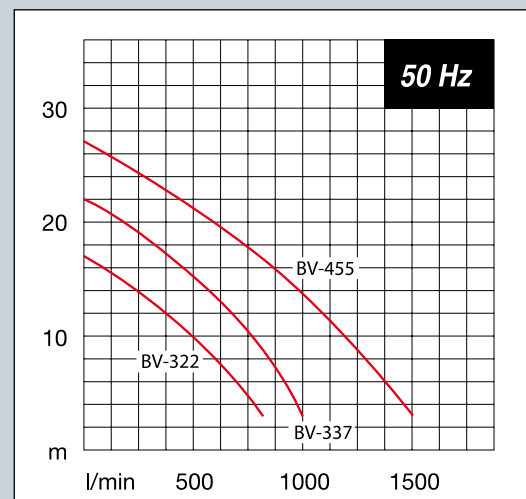
Unique non-clog design for handling waste water containing sewage, grass, sand and various solids.

Well-balanced impeller in semi-vortex design creates a vortex effect to carry soft or fibrous particles without clogging. Parts passage 50-55 mm type related.

- Excellent price/quality ratio.
- Pumps with motor protection and double mechanical seal in oil-bath.
- Standard with 20 meter cable H07RNF.

Technical specifications

Motorhouse	cast iron
Pumpcasting	cast iron
Impeller	cast iron
Motorshaft	stainless steel
Bolts / Nuts	stainless steel
O-ring and volute	NBR rubber
Mechanical seal	primary SiC/SiC secondary Co/Ce
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	3 phase 400 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m³/h	mm	kg	mm	mm
BV 322	3"	2,2	400	17	50	50	38	583	340
BV 337	3"	3,7	400	22	60	50	47	640	365
BV 455	4"	5,5	400	27	90	55	66	725	395

AFEC pumps – best return on investment



- Stainless steel outer case.
- Cutting-edge designed double casing to achieve a superior cooling effect.
- Double mechanical seal in oil bath.
- PU-impeller.
- 10 meters cable H07-RNF.
- also available in 110 Volt - 60 Hz

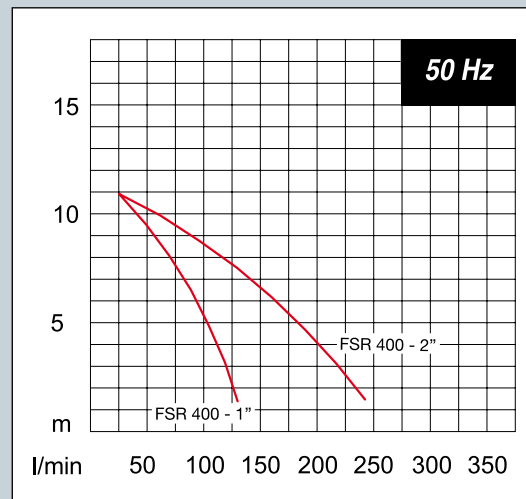
Applications rental markets

- Removing residue water
- Drainage of flat surfaces on rooftops, parking lots, pools, basements, etc.



Technical specifications

Shaft	stainless steel 1.4006
Outercasing	stainless steel 1.4301
Suction plate	stainless steel 1.4301
Impeller	PU-polyurethaan
Cable	10 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute	NBR rubber
Bolts/nuts	stainless steel 1.4301
Motor temperature	40°C (104°F)
Motor execution	IP 68 class F
Voltage	1 phase 230 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FSR-400	1"	0,40	230	11	8	2	15,5	332	208
FSR-400	2"	0,40	230	11	14	2	15,5	332	208

Stainless steel submersible pumps

FSS 250 / 400 / 750



Versatile and functional state of art design, made to withstand even most severe environments.

- Integrated stainless steel outercasing and strainer
- Constructed entirely in stainless steel.
- Highly wear resistance heat treated stainless steel shaft.
- Double mechanical seal in oil bath.
- All surface materials and oil are non-toxic.
- Max. liquid temperature: 104°F (40°C).

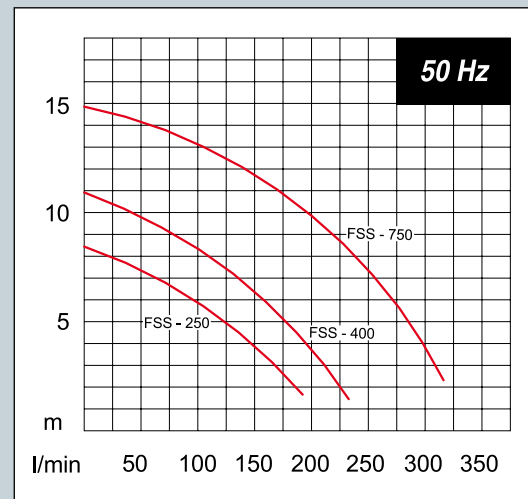
Application:

- Corrosion resistance for sea water transfer.
- Chemical polluted water or drainage of sump containing chemicals.



Technical specification

Shaft	stainless steel 1.4006
Outer casing	stainless steel 1.4301
Bolts/nuts	stainless steel 1.4301
Impeller	stainless steel 1.4301
Motorhousing	stainless steel 1.4301
Mechanical seal	primary SiC / SiC secondary Co/Ce
Volute liner	Non toxic latex rubber
Motor temperature	40° C (104° F)
Motor execution	IP 68 class F
Voltage	1 phase - 50 Hz - 2850 RPM
Motor	IP 68, isolation, class F



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
	inch	kW	V	mwk	m ³ /h	mm	kg	mm	mm
FSS 250*	1,5"	0,25	230	8	12	6	12	332	184
FSS 400*	2"	0,40	230	11	14	6	12	332	184
FSS 750*	2"	0,75	230	15	18	8	15	359	184

* Also with floatswitch

AFEC pumps – best return on investment

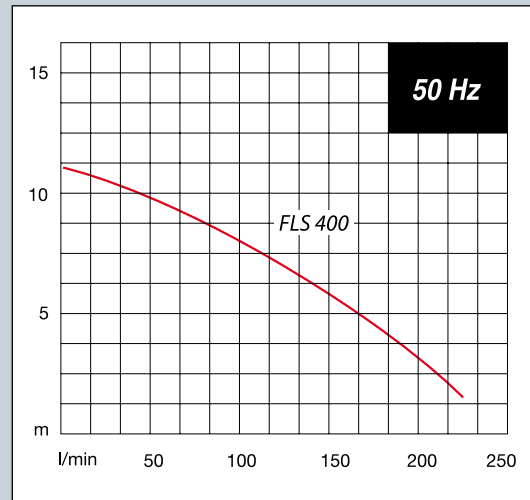


AFEC light weight contractor pump.

- Aluminium outercase, cooling for continuous operation.
- Polyurethane impeller.
- Double mechanical seal in oilbath.
- Lubricated for life, maintenance free bearings.
- Motor class F IP 68 execution with thermal overload protection.
- 10 meters Ho7RNF cable and top discharge.
- Easy in maintenance and service.
- Available 110 Volt - 60 Hz

Technical specification

Shaft	Stainless steel 1,4006
Outercase	Aluminium
Suction plate	Cast iron
Impeller	Polyurethane
Cable	10 meter H07RNF
Mechanical seal	primary SiC/SiC secondary Co/Ce
O-ring and volute liner	NBR rubber
Bolts / nuts	Stainless steel 1.4301
Max. motor temperature	40° C (104° F)
Voltage	1 phase - 230 V - 50 Hz 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Free passage	Weight	Dimensions	
								Highth	Diameter
FLS 400*	2"	0,40	230	11	14	6	11	308	243

* Also with floatswitch

Small version submersible pump LB 15



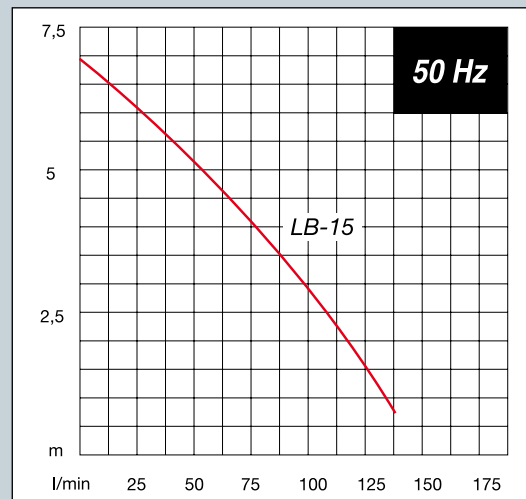
Lightweight model, special design for easy pumping.

Model LB 15 is very simple to clean, by removable filter, suitable to pump out swimming pools, ponds, basements and also for emptying roofs. Easy to handle 4 kg.

- Colour-coated aluminium alloy motor casing for superior heat transfer.
- Stainless steel heat treated shaft.
- Permanently oil-lubricated triple lip seals for exceptional durability.
- Durable glass reinforced thermoplastic impeller.
- Standard 10 meters cable H07RNF.
- Oil-free motor with built-in thermal protector.

Technical specifications

Shaft	stainless steel 1.4006
Impeller	reinforced thermoplastic
Pumpcasing	colour coated aluminium alloy
Mechanical seal	triple lip seals
Max. temperature	40°C (104°F)
Max. submerged depth	2 meters
Motor	1 phase 230 V - 50 Hz - 2850 RPM



Type	Discharge	Motor	Voltage	Head (max.)	Capacity (max.)	Weight	Dimensions	
							Highth	Diameter
	inch	kW	V	mwk	m ³ /h	kg	mm	mm
LB15	1"	0,15	230	7	8	4	120	150
LB15A	1"	0,15	230	7	8	4,3	120	150

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**AFEC contractor Pumps, the most popular
submersible pumps on site.**



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