



Fluorin Plastic Centrifugal Pumps



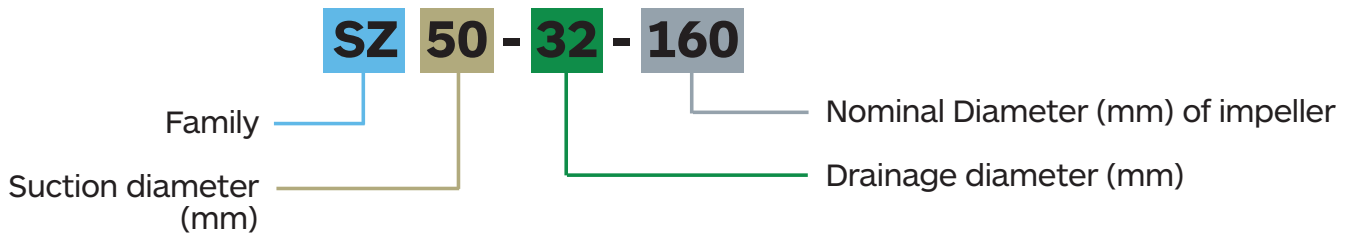
Features

Centrifugal pump designed for corrosive substances.

- Pump Head, Casing and Impeller made of F26/F46 Plastic
- Simple structure with the shaft connected directly with the impeller
- High performance and energy efficiency
- Durable
- Corrosion resistant
- Low noise
- For clean liquids, thin to medium viscosity
- Any concentration of acid, alkali, salty solutions, strong oxidants, organic solvents or strong corrosive mediums – see the Corrosion Table for recommended substances
- Liquid temperatures from -20C to +120C
- Altitudes up to 1000m
- Max operating pressure is 10 bar
- Complete with Base Plate



Definition of model

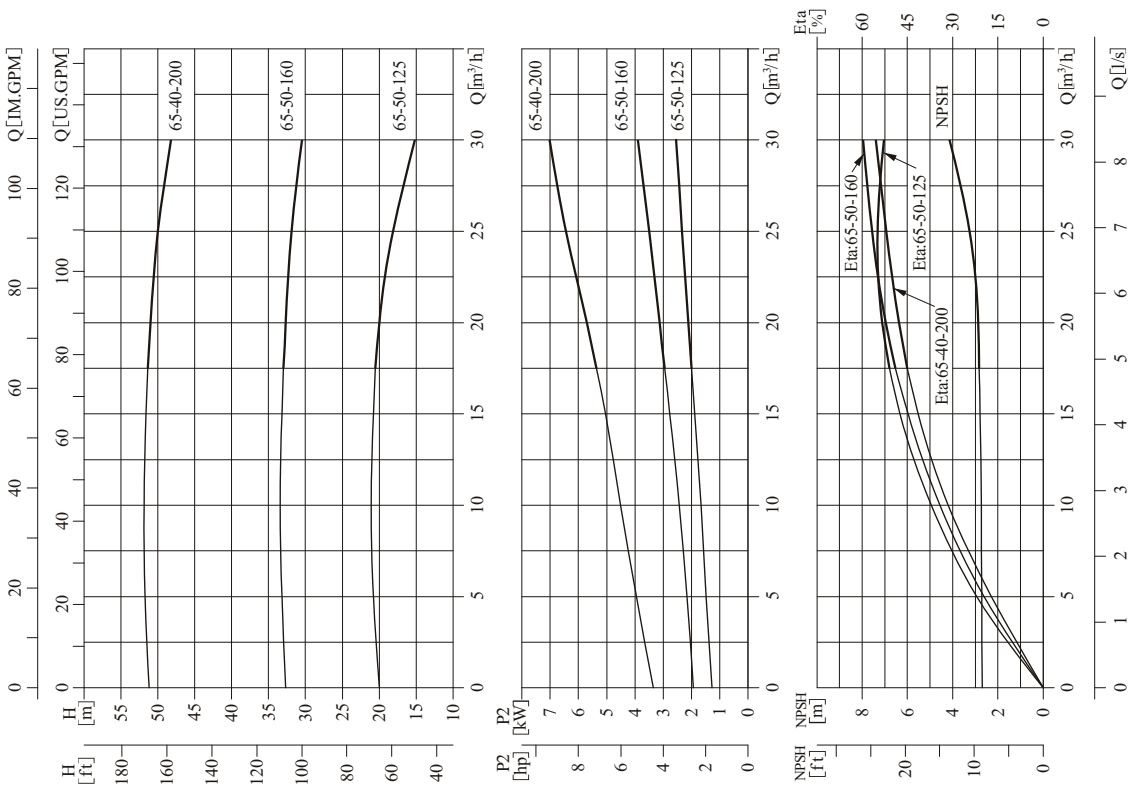
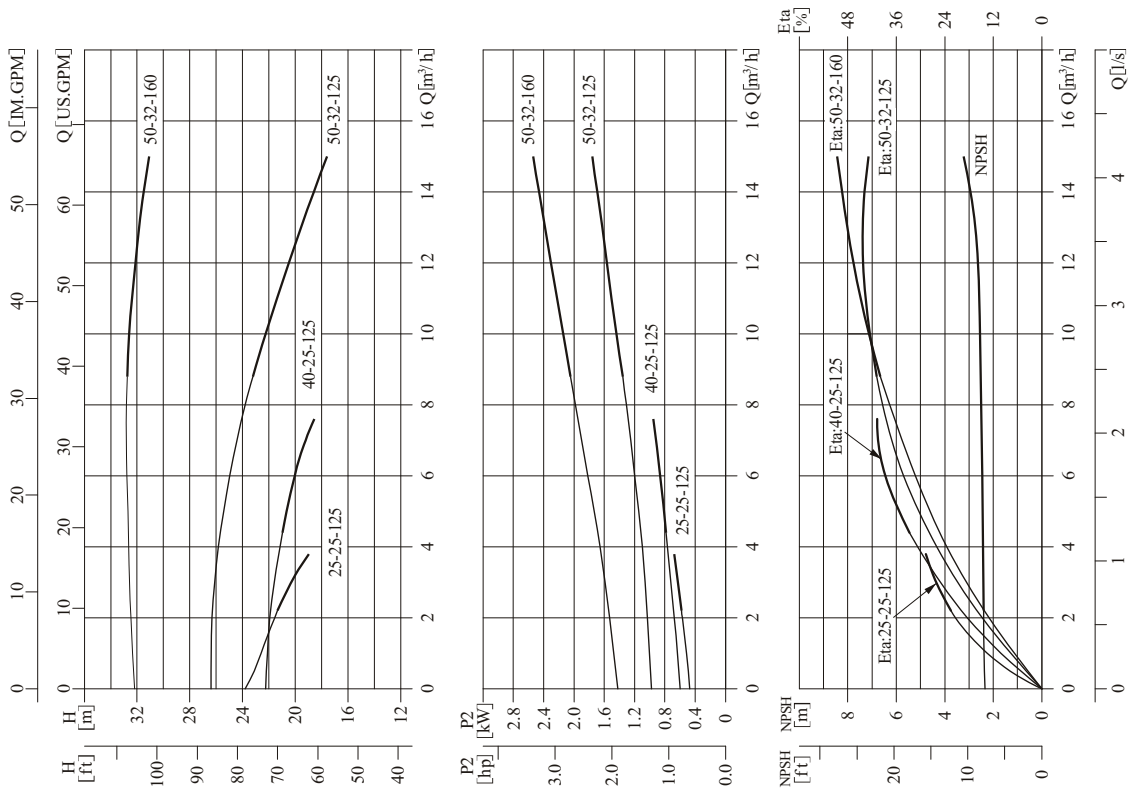


Model	Nominal Flow (m ³ /h)	Nominal Head (m)	Flow Range (m ³ /h)	Max Bar	Power (kW)	Max Efficiency (%)
BIA-SZ50-32-125	12.5	20	8.8-15	2.3	3	44
BIA-SZ50-32-160	12.5	32	8.8-15	3.3	4	51
BIA-SZ65-50-125	25	18	17.5-30	2	4	55
BIA-SZ65-50-160	25	32	17.5-30	3.3	5.5	60
BIA-SZ65-40-200	25	50	17.5-30	5.1	11	55
BIA-SZ80-65-160	50	32	35-60	3.6	11	62
BIA-SZ80-50-200	50	50	35-0	5.4	18.5	63



Disclaimer: Every effort will be made to publish correct details in this brochure. No responsibility will be taken for any errors, omissions or changes. White International reserves the right to make any changes deemed necessary to specifications and performance in accordance with manufacturer's recommendations.

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F46, F26 Corrosion Resistance Table



Medium	F46	F26	Medium	F46	F26	Medium	F46	F26
Acetic acid; Benzene acid	✓	✓	Sulfuric Acid +20% Smoke sulfate	✓/80°C	—	Titanium tetrachloride; zinc chloride	✓	✓
Arsenate; Boric acid	✓	✓	Smoke sulfate	✓	×	Ferric Trichloride, carbon tetrachloride	✓	✓
Carbonate	✓	✓/20°C	sulfurous acid	✓	✓	Salt solution; seawater	✓	✓
Fluoride acid	✓	—	Ammonium hydroxide, potassium hydroxide	✓	✓	Alum (slurry); black liquor (slurry)	×	—
Hypochlorite; Wet chlorine	✓	✓	Sodium hydroxide <20%	✓	✓	Blue alum; NaHSO ₃	✓	✓
Chromic Acid	✓	✓/50°C	Sodium hydroxide <80%	✓	×	Sodium bicarbonate; soda	✓	✓
citric acid	✓	✓/120°C	Calcium hydroxide	✓	✓	Sodium hypochlorite	✓	✓/20%
Toluene-acid	✓	✓/65°C	Acetic acid salt solution	✓	✓	Sodium chlorate; calcium chloride	✓	✓
Formic acid	✓	✓	Ammonium nitrate; barium nitrate	✓	✓	Chromium sodium	✓	—
Glycolic acid	—	✓/20°C	Sodium nitrate; copper nitrate	✓	✓	Al acetic	✓	✓
hydrochloric acid	✓/65°C	✓/37%	Iron nitrate	✓	✓	Bromine	✓	✓/20°C
hydrofluoric acid; Fluorosilicic acid	✓	✓	Nitrate lead; silver nitrate	✓	—	Glycerol	✓	✓
Hydrogen Peroxide; lactic acid	✓	✓/20°C	Aluminum sulfate, ammonium sulfate	✓	✓	Pyridine	✓	×
Maleic acid; malic acid	✓	✓	ammonium sulfate + Sulfuric Acid	✓	✓	acetic (acid) anhydride	✓	✓/20°C
Mixed acid	✓	—	Barium sulfate; sodium sulfate	✓	✓	Aniline dye; hydrochloride aniline	✓	—
Oleic acid	✓	✓	Copper sulfate	✓	✓	Methane, ethane, propane	✓	✓
Oxalate acid	✓	✓/50°C	Copper sulfate +10% Sulfuric Acid	✓	—	Nitrobenzene	✓	✓/20°C
Picric acid, stearic acid	✓	✓/20°C	Ferrum sulfate +10% Sulfuric Acid	✓	—	Tar and ammonia	✓	—
Tartrate; Tannin	✓	✓	Magnesium sulfate; zinc sulfate	✓	✓	Toluene; SO ₃	✓	✓
Nitrate 5% to 10%	✓	✓/50°C	Ammonium; sodium	✓	✓	Glycol; ethylene oxide	✓	✓
Nitric Acid <50%	✓	✓	Chloride; barium chloride	✓	✓	Two-acetone; dichloro-ethanol	✓	✓/20°C
Concentrated nitric acid	✓	×	Calcium chloride	✓	✓	Ethylene dichloride, vinyl Trichloride	✓	✓
Nitric Acid +3.5% hydrofluoric acid	✓	—	Aluminum Trichloride	✓	✓/20%	Formaldehyde	✓	✓/50°C
Phosphoric Acid	✓	✓	Potassium chloride	✓	✓/65°C	Freon	×	—
Phosphoric Acid +2% Sulfuric acid +1% hydrofluoric acid	✓	—	Sodium chloride; tin chloride	✓	✓	CS ₂	✓	✓/20°C
sulfuric acid <10%	✓	✓	Silver chloride, magnesium chloride	✓	✓	Molten sulfur	✓	✓
Sulfuric acid 10% to 75%	✓	✓/65°C	Nickel Chloride	✓	✓			
Sulfuric acid 75% to 98%	✓/80°C	✓/50°C	Sulphur dichloride	✓	✓/20°C			

Note: 1. ✓/20°C means the material can be used in the medium that temperature is below 20°C. ✓ means workable, × means doesn't work. — means not known.
2. ✓/20% means the material can be used in the 20% medium.



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