

Features

High Working Pressure
Wider range application with flow capacity up to 22 m³/min. Higher working pressure up to 20 bar.

Top Centreline Discharge
Foot support under casing for maximum resistance due to misalignment and distortions from pipe loads.

Application Fields

Water Supply



Water Circulation



Industrial Use

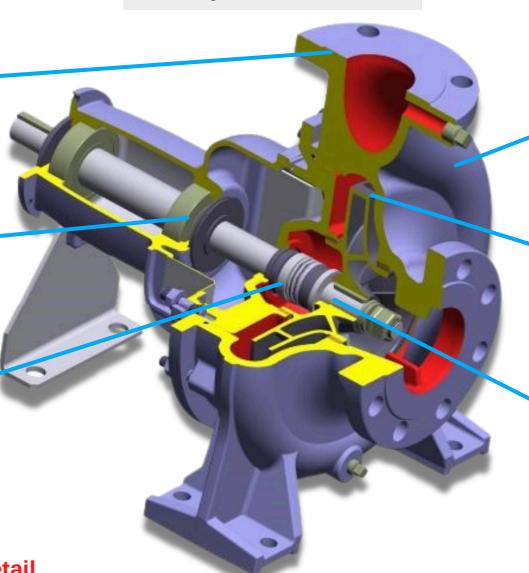
Specification

Liquid Handling
Clean Water, 0 - 80 °C

Max. Working Pressure
Up to 20 Bar*

Design Standard
JIS B 8313

Flange
JIS 10K, JIS16K
JIS20K*



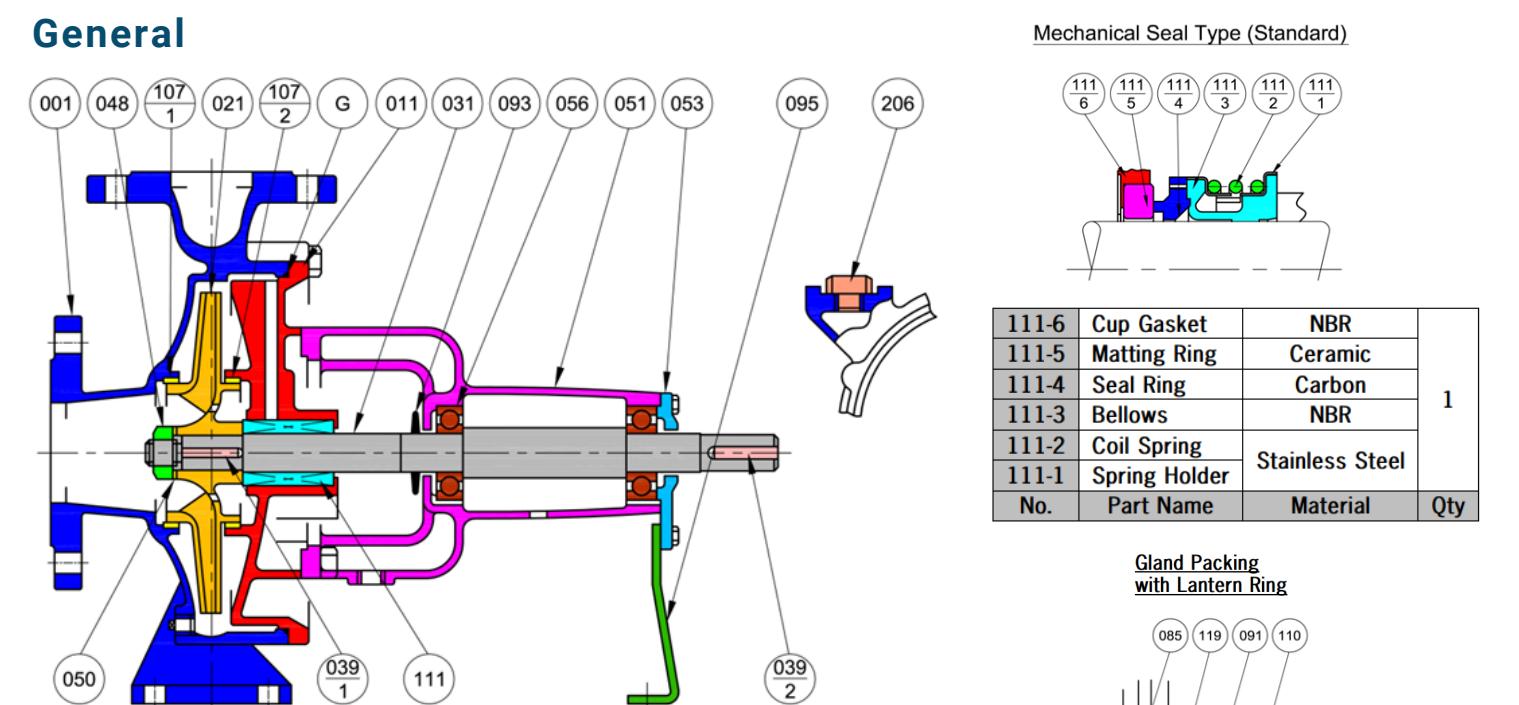
Bearing
Sealed Ball Bearing
Oil Bath System*

Shaft Seal
Mechanical Seal
Gland Packing

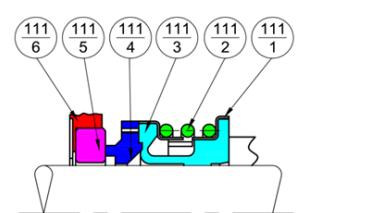
*Optional & Contact Us for more detail.

Model Code

100 x 80 FS 2 GA 5 5.5 H
16 Bar Version : H
10 Bar Version : -
Power Motor in KW
Motor Frequency (50 Hz/60 Hz)
Pump Model
Discharge Size in mm
Suction Size in mm

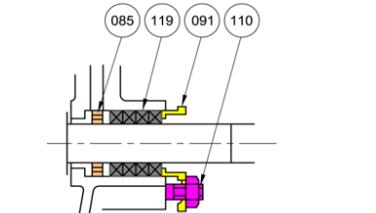
Sectional View**General**

Mechanical Seal Type (Standard)



| No. | Part Name | Material | Qty |
|-------|---------------|-----------------|-----|
| 111-6 | Cup Gasket | NBR | 1 |
| 111-5 | Matting Ring | Ceramic | |
| 111-4 | Seal Ring | Carbon | |
| 111-3 | Bellows | NBR | |
| 111-2 | Coil Spring | Stainless Steel | |
| 111-1 | Spring Holder | | |

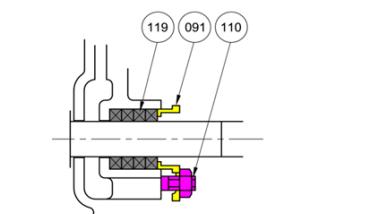
Gland Packing with Lantern Ring



| No. | Part Name | Material | Qty |
|-----|---------------|------------------|--------|
| 119 | Gland Packing | Carbonized fiber | 4 or 5 |
| 110 | Gland Bolt | Brass | 2 |
| 091 | Gland | Brass | 1 |
| 085 | Lantern Ring | Bronze | |

Pump Model:
50x40 FSHA; 65x50 FSHA, FSJA;
80x65 FSGA, FSHA;
100x80 FSGA; 125x100 FSLA;
150x100 FSKA, FSNA;

Gland Packing without Lantern Ring



| No. | Part Name | Material | Qty |
|-----|---------------|------------------|--------|
| 119 | Gland Packing | Carbonized fiber | 4 or 5 |
| 110 | Gland Bolt | Brass | 2 |
| 091 | Gland | Brass | 1 |

Pump Model:
80x65 FSJA, FSKA;
100x65 FSKA;
100x80 FSHA, FSJA, FSGCA, FSHCA
125x100 FSJCA, FSKA;
150x125 FSKA, FSJA;
200x150 FSKA, FSKA;



FSA

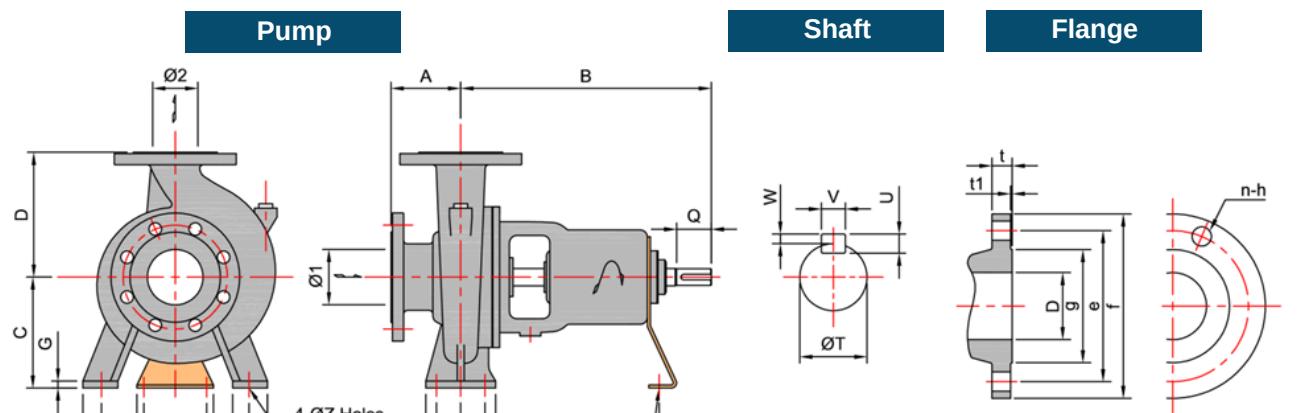
Ishizue

EBARA End Suction Volute Pump

50 Hz

Ahead Beyond



Dimension

Flanges Dimensions (JIS10K RF)

| D mm | f mm | e mm | g mm | t ₁ mm | t mm | n | h mm |
|------|------|------|------|-------------------|------|----|------|
| 40 | 140 | 105 | 81 | 2 | 20 | 4 | 19 |
| 50 | 155 | 120 | 96 | 2 | 20 | 4 | 19 |
| 65 | 175 | 140 | 116 | 2 | 22 | 4 | 19 |
| 80 | 185 | 150 | 126 | 2 | 22 | 8 | 19 |
| 100 | 210 | 175 | 151 | 2 | 24 | 8 | 19 |
| 125 | 250 | 210 | 182 | 2 | 24 | 8 | 23 |
| 150 | 280 | 240 | 212 | 2 | 26 | 8 | 23 |
| 200 | 330 | 290 | 262 | 2 | 26 | 12 | 23 |

Flanges Dimensions (JIS16K RF)

| D mm | f mm | e mm | g mm | t ₁ mm | t mm | n | h mm |
|------|------|------|------|-------------------|------|----|------|
| 65 | 175 | 140 | 116 | 2 | 22 | 8 | 19 |
| 100 | 225 | 185 | 160 | 2 | 26 | 8 | 23 |
| 150 | 305 | 260 | 230 | 2 | 28 | 12 | 25 |
| 200 | 350 | 305 | 275 | 2 | 30 | 12 | 25 |
| 250 | 430 | 380 | 345 | 2 | 34 | 12 | 27 |

| MODEL | SIZE | | FLANGE | | PUMP | | | | | | | | | | | | SHAFT | | | | | | Wt Kg | |
|---------------|------|-----|----------|-----|------|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-------|----|-----|-----|----|-----|-------|-----|
| | Φ1 | Φ2 | STANDARD | A | B | C | D | E | F | G | J | M | N | O | P | R | X | Z | T | Q | U | V | W | |
| 50x40 FSHA | 50 | 40 | JIS 10K | 80 | 360 | 160 | 180 | 190 | 70 | 12 | 50 | 240 | 100 | 110 | 150 | 17 | 285 | 15 | 24 | 50 | 7 | 8 | 4 | 37 |
| 65x50 FSHA | 65 | 50 | JIS 10K | 100 | 360 | 160 | 180 | 212 | 70 | 12 | 50 | 265 | 100 | 110 | 150 | 17 | 285 | 15 | 24 | 50 | 7 | 8 | 4 | 42 |
| 65x50 FSJA | | | | 100 | 360 | 180 | 225 | 250 | 95 | 14 | 65 | 320 | 125 | 110 | 150 | 17 | 285 | 15 | 24 | 50 | 7 | 8 | 4 | 49 |
| 80x65 FSGA | | | | 100 | 360 | 160 | 180 | 212 | 70 | 12 | 50 | 265 | 100 | 110 | 150 | 17 | 285 | 15 | 24 | 50 | 7 | 8 | 4 | 39 |
| 80x65 FSHA | | | | 100 | 360 | 160 | 200 | 212 | 70 | 12 | 50 | 265 | 100 | 110 | 150 | 17 | 285 | 15 | 24 | 50 | 7 | 8 | 4 | 48 |
| 80x65 FSJA | | | | 100 | 350 | 180 | 225 | 250 | 95 | 14 | 65 | 320 | 125 | 110 | 150 | 17 | 285 | 15 | 32 | 80 | 8 | 10 | 5 | 60 |
| 80x65 FSKA | | | | 125 | 470 | 225 | 280 | 315 | 120 | 16 | 80 | 400 | 160 | 110 | 150 | 17 | 370 | 19 | 32 | 80 | 8 | 10 | 5 | 108 |
| 100x65 FSKA | 100 | 65 | JIS 16K | 125 | 360 | 225 | 280 | 315 | 120 | 16 | 80 | 400 | 160 | 110 | 150 | 17 | 285 | 19 | 38 | 80 | 8 | 10 | 5 | 106 |
| 100x80 FSGA | | | | 100 | 360 | 160 | 200 | 212 | 95 | 14 | 65 | 280 | 125 | 110 | 150 | 17 | 285 | 15 | 24 | 50 | 7 | 8 | 4 | 49 |
| 100x80 FSHA | | | | 100 | 360 | 180 | 225 | 250 | 95 | 15 | 65 | 320 | 125 | 110 | 150 | 17 | 285 | 15 | 32 | 80 | 8 | 10 | 5 | 62 |
| 100x80 FSJA | | | | 100 | 360 | 200 | 250 | 280 | 120 | 15 | 80 | 360 | 160 | 110 | 150 | 17 | 285 | 19 | 32 | 80 | 8 | 10 | 5 | 70 |
| 100x80 FSGCA | | | | 125 | 360 | 180 | 225 | 250 | 95 | 14 | 65 | 320 | 125 | 110 | 150 | 17 | 285 | 15 | 32 | 80 | 8 | 10 | 5 | 62 |
| 100x80 FSHCA | | | | 125 | 360 | 180 | 250 | 280 | 95 | 14 | 65 | 345 | 125 | 110 | 150 | 17 | 285 | 15 | 32 | 80 | 8 | 10 | 5 | 65 |
| 125x100 FSJCA | | | | 140 | 360 | 225 | 280 | 315 | 120 | 16 | 80 | 400 | 160 | 110 | 150 | 17 | 285 | 19 | 38 | 80 | 8 | 10 | 5 | 108 |
| 125x100 FSKA | | | | 140 | 470 | 250 | 315 | 315 | 120 | 16 | 80 | 400 | 160 | 110 | 150 | 17 | 370 | 19 | 32 | 80 | 8 | 10 | 5 | 128 |
| 125x100 FSLA | | | | 140 | 530 | 280 | 355 | 400 | 150 | 20 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24 | 42 | 110 | 8 | 12 | 5 | 168 |
| 150x100 FSKA | 150 | 100 | JIS 16K | 140 | 530 | 250 | 315 | 315 | 120 | 16 | 80 | 400 | 160 | 90 | 120 | 15 | 373 | 19 | 42 | 95 | 8 | 12 | 5 | 146 |
| 150x100 FSNA | 180 | 670 | JIS 10K | 140 | 470 | 250 | 315 | 315 | 120 | 16 | 80 | 400 | 160 | 180 | 19 | 500 | 24 | 48 | 110 | 9 | 14 | 5.5 | 365 | |
| 150x125 FSHA | | | | 140 | 470 | 250 | 315 | 315 | 120 | 16 | 80 | 400 | 160 | 110 | 150 | 17 | 370 | 19 | 32 | 80 | 8 | 10 | 5 | 120 |
| 150x125 FSJA | | | | 140 | 470 | 250 | 355 | 315 | 120 | 16 | 80 | 400 | 160 | 110 | 150 | 17 | 370 | 19 | 32 | 80 | 8 | 10 | 5 | 128 |
| 150x125 FSKA | | | | 140 | 530 | 280 | 355 | 400 | 150 | 16 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24 | 42 | 110 | 8 | 12 | 5 | 170 |
| 150x125 FSLA | | | | 140 | 530 | 315 | 400 | 400 | 150 | 20 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24 | 42 | 110 | 8 | 12 | 5 | 205 |
| 200x150 FSHA | 200 | 150 | JIS 10K | 160 | 470 | 280 | 355 | 400 | 150 | 18 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24 | 32 | 80 | 8 | 10 | 5 | 137 |
| 200x150 FSJA | | | | 160 | 530 | 280 | 375 | 400 | 150 | 18 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24 | 42 | 110 | 8 | 12 | 5 | 183 |
| 200x150 FSKA | | | | 160 | 670 | 315 | 400 | 450 | 150 | 20 | 100 | 550 | 200 | 140 | 180 | 19 | 500 | 24 | 48 | 110 | 9 | 14 | 5.5 | 222 |
| 200x150 FSLA | | | | 162 | 670 | 315 | 450 | 450 | 150 | 20 | 100 | 550 | 200 | 140 | 180 | 19 | 500 | 24 | 48 | 110 | 9 | 14 | 5.5 | 336 |
| 200x150 FSNA | 182 | 670 | JIS 16K | 162 | 670 | 375 | 560 | 450 | 150 | 20 | 100 | 550 | 200 | 140 | 180 | 19 | 500 | 24 | 60 | 110 | 11 | 18 | 7 | 488 |
| 250x | | | | | | | | | | | | | | | | | | | | | | | | |