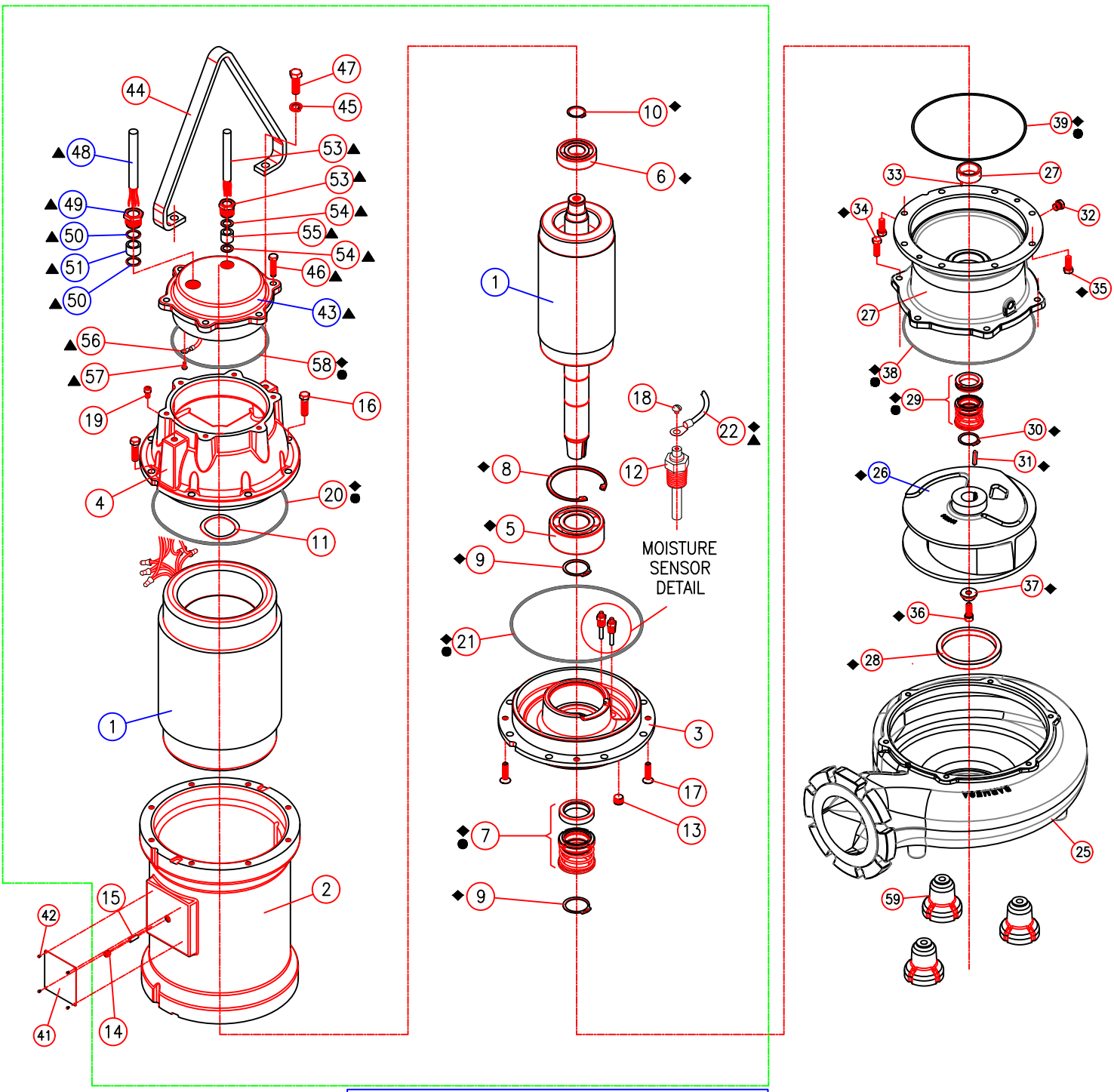
# BARMESA PUMPS 6SWM FRAME 250




■ #24: MOTOR FRAME 250

Notes

- Items marked in blue vary depending on motor horsepower.
- To verify the pump model and code, refer to Table 6SWM.
- Purchasing the Motor kit includes item #24 Motor Frame.
- Item 1 and Item 2 are not available separately.

When ordering spare parts, please provide the model and serial number indicated on the nameplate, along with the part description shown in the parts list. If you require a component kit, please provide the respective kit number and model type.

| | |
|---|---|
| Seal kit | ● |
| Motor kit | ■ |
| Overhaul kit | ◆ |
| Cable assembly | ▲ |

| Models | Seal Kit ● | Motor Kit ■ | Overhaul Kit ◆ | Cable Assembly ▲ |
|---|---|---|---|---|
| 6SWM25034DS | 31075609 | 40043013 | 31075432 | 03220036C |
| 6SWM25044DS | | | | 03220036C |
| 6SWM30034DS | | 40043015 | 31075433 | 03220036C |
| 6SWM30044DS | | | | 03220036C |
| 6SWM40044DS | | 40043017 | 31075434 | 03220036C |
| 6SWM10036DS | | 40043030 | 31075435 | 03220036C |
| 6SWM10046DS | | | | 03220036 |
| 6SWM15036DS | | 40043032 | 31075436 | 03220036C |
| 6SWM15046DS | | | | 03220036 |

| Item | Kit | Part number |
|---|---|---|
| 1 y 2 | | 40040362 |
| | | 40040364 |
| | | 40040366 |
| | | 40040378 |
| | | 40040380 |
| 3 | | 03210102 |
| 4 | | 03220030 |
| 5 | ◆ | 31020041 |
| 6 | ◆ | 31020025 |
| 7 | ● ◆ | 31030139L |
| 8 | ◆ | 31010012D |
| 9 | ◆ | 31010017D |
| 10 | ◆ | 31010015 |
| 11 | | 91010019 |
| 12 | | 31160001 |
| 13 | | 93010115 |
| 14 | | 93010116 |
| 15 | | 91010180 |
| 16 | | 91010366E |
| 17 | | 91010402 |
| 18 | | 91010403 |
| 19 | | 91010330 |
| 20 | ● ◆ | 92010064 |
| 21 | ● ◆ | 92010062 |
| 22 | ◆ ▲ | 31030005 |
| 23 | | 31010031 |

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| Frame 320 | | |
|---|---|---|
| Description | Qty | Material |
| Motor 25 hp 1750 FR25 | 1 | N/A |
| Motor 30 hp 1750 FR25 | | |
| Motor 40 hp 1750 FR25 | | |
| Motor 10 hp 1150 FR25 | | |
| Motor 15 hp 1150 FR25 | | |
| Bearing Bracket | 1 | Cast Iron, Class 30 |
| Motor Housing Upper | 1 | Cast Iron, Class 30 |
| Bearing Lower #3313 - A/C3 | 1 | SKF / FAG |
| Bearing Upper #6309 - C3 | 1 | SKF / FAG |
| Mechanical Seal Inner 2.500"Ø | 1 | Car / Cer / Buna / SS |
| Type 21, seal with cup seat | | |
| Retaining Ring # N5002-550 | 1 | Carbón Steel |
| Retaining Ring # 5100-250 | 1 | Carbón Steel |
| Retaining Ring # 5100-177 | 1 | Carbón Steel |
| Springer Washer 72 mm | 1 | 304 Stainless Steel |
| Moisture Sensor # 39383 | 2 | 304 Stainless Steel |
| Pipe Plug Dry Seal 3/8" | 1 | Carbón Steel |
| Pipe Plug Dry Seal 1/8" | 1 | Carbón Steel |
| Dowel Pin ¼"Ø x ¾" | 1 | 1018 Steel |
| Screw Hex. Head 7/16" x 1½" SS | 8 | 18-8 Stainless Steel |
| Socket Flat Head Screw 3/8" x 1½" SS | 4 | 18-8 Stainless Steel |
| Machine Screw Moist 6-32 x ¼" SS | 2 | 304 Stainless Steel |
| Socket Head Screw 5/16" x ½" SS | 1 | 304 Stainless Steel |
| O-Ring # 277, Motor Housing Upper | 1 | Buna N |
| O-Ring # 276, Bearing Bracket | 1 | Buna N |
| Moisture Sensor Wire | 2 | N/A |
| Motor Oil (Motor's Housing Cavity) | 5.6 lts | N/A |

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| 6SWM250 | | | | | |
|---|---|---|---|---|---|
| 24 | ■ | 40043013 | Motor 250 25Hp - 1750Rpm | 1 | N/A |
| | | 40043015 | Motor 250 30Hp - 1750Rpm | | |
| | | 40043017 | Motor 250 40Hp - 1750Rpm | | |
| | | 40043030 | Motor 250 10Hp - 1150Rpm | | |
| | | 40043032 | Motor 250 15Hp - 1150Rpm | | |
| 25 | | 03090108 | Volute | 1 | Cast Iron Class 30 |
| 26 | ◆ | 03140245E | Impeller 6SWM 10.04"Dia (25Hp-1750Rpm) | 1 | Ductile Iron 64-45-12 |
| | | 03140245D | Impeller 6SWM 10.63"Dia (30Hp - 1750Rpm) | | |
| | | 03140245B | Impeller 6SWM 11.22" Dia (40Hp - 1750Rpm) | | |
| | | 03140245C | Impeller 6SWM 11.02" Dia (10Hp - 1150Rpm) | | |
| | | 03140245 | Impeller 6SWM 12.40" Dia (15Hp - 1150Rpm) | | |
| 27 | | 03180038 | Seal Plate | 1 | Cast Iron Class 30 |
| 28 | ◆ | 30400376 | Wear Ring Volute 4SWM/H | 1 | C954 Bronze |
| 29 | ● ◆ | 31030139K | Mechanical Seal Outer 2.250"Ø Type 21, Seal with O-Ring slotted | 1 | Sic/Sic/Buna/Ss |
| 30 | ◆ | 31010010 | Retaining Ring #5100-225 | 1 | 420 Stainless Steel |
| 31 | ◆ | 30400639 | Key ¼" x ¼" x 1½" | 1 | 304 Stainless Steel |
| 32 | | 93010131 | Hex Head Plug 3/8" #22932 | 1 | 304 Stainless Steel |
| 33 | | 91010184 | Roll Pin 1/8"ø x 3/8" | 1 | Carbón Steel |
| 34 | ◆ | 91010351 | Screw Hex. Head ½" x 1½" SS | 6 | 18-8 Stainless Steel |
| 35 | ◆ | 91010364 | Screw Hex Head ½" x 1 3/4" | 8 | 18-8 Stainless Steel |
| 36 | ◆ | 91010334B | Screw Hex Head ½"-20unf x 1¼" | 1 | 304 Stainless Steel |
| 37 | ◆ | 30400413 | Impeller Washer SS | 1 | 304 Stainless Steel |
| 38 | ● ◆ | 92010064G | O-Ring # 280, Volute | 1 | Buna N |
| 39 | ● ◆ | 92010089 | O-Ring # 275, Seal Plate | 1 | Buna N |
| 40 | | 31010031 | Oil | 5.5 | N/A |
| 41 | | 94010063C | ID Plate | 1 | 304 Stainless Steel |
| 42 | | 91010192 | Rivet SS # 001628 | 4 | 304 Stainless Steel |
| 43 | ▲ | 03100013 | Conduit Box & Cable Assembly (10 AWG) | 1 | Cast Iron, Class 30 |
| | | 03100013B | Conduit Box & Cable Assembly (6 AWG- 2 AWG) | | |
| 44 | | 30400844F | Lifting Handle 250 | 1 | 304 Stainless Steel |
| 45 | | 91010063 | Lock Washer 5/8 SS | 2 | 304 Stainless Steel |
| 46 | ▲ | 91010345C | Screw Hex Head 3/8" x 1¼" Stainless Steel | 6 | 304 Stainless Steel |
| 47 | | 91010354 | Screw Hex Head 5/8x1 3/4 | 2 | 18-8 Stainless Steel |
| 48 | ▲ | 31030008 | Power Cable (6 AWG) | 12 M | N/A |
| | | 31030003 | Power Cable (10 AWG) | | |
| 49 | ▲ | 30400903 | Hex Head Plug (10AWG) | 1 | 304 Stainless Steel |
| | | 30400904D | Hex Head Plug (6AWG) | | |
| 50 | ▲ | 30400401 | Friction Ring # 54746 SS (6AWG-2AWG) | 2 | 304 Stainless Steel |
| | | 91010055 | Friction Ring # 54746 SS (10AWG) | | |
| 51 | ▲ | 92010001 | Grommet (10AWG) | 1 | Rubber |
| | | 92010002D | Grommet (6AWG) | | |

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| | | | | | |
|---|---|---|---|---|---|
| 52 | ▲ | 31030005 | Moisture & Temperature Sensor Cable | 12 M | N/A |
| 53 | ▲ | 30400901 | Hex Head Plug | 1 | 304 Stainless Steel |
| 54 | ▲ | 91010057 | Friction Ring # 21531 SS | 2 | 304 Stainless Steel |
| 55 | ▲ | 92010005 | Grommet | 1 | Rubber |
| 56 | ▲ | 94010044 | Connector 5/16" (Ground) | 1 | N/A |
| 57 | ▲ | 91010404 | Connector 5/16" | 1 | 304 Stainless Steel |
| 58 | ● ▲ | 92010075 | O-Ring # 261, Conduit Box & Cable Assy | 1 | Buna N |

| Accessories | | | | | |
|---|---|---|---|---|---|
| 58 | | 03220051 | Supports 6SW | 3 | Cast Iron, Class 30 |
| 59 | | 62170801 | Cam 6 (Coupling Elbow) | 1 | |
| 60 | | *Consultar* | Terminal Board | 1 | |

Note: purchasing the Motor Kit includes the entire motor (part #24 of the exploded view)

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