

KGE

SELF-PRIMING CENTRIFUGAL PUMP

SYSTEM CHARACTERISTICS

The KGE is a self-priming centrifugal pump with radial (semi-open or closed) impeller, overhung mounted on a bearing pedestal. If a spacer type coupling is used, the pump can easily be dismantled without it being necessary to disturb the pipings or to move the motor.

The KGE series is available in different drive possibilities:

- KGE: pump with bare shaft for clockwise rotation
- KGEL: pump with bare shaft for counter-clockwise rotation
- KGEF: pump with flanged motor (close coupled)

APPLICATIONS

The KGE is suitable for clean and polluted liquids, which are non-corrosive to cast iron, including water, oils, petrol and all kind of chemicals. Draining building excavations, emptying ponds, ditches and swimming-pools, water extraction for irrigation and watering, aboard ships as bilge, deck wash and general service pumps. Emptying pits and throughs containing wastewater, handling fuels, condensate extraction pumps.

PUMP SPECIFICS

- Self-priming
- Suitable for a wide range of duties
- Non-return valve mounted
- Oil bath for the mechanical seal (preventing seal from running dry)
- Dust tight, grease lubricated bearings



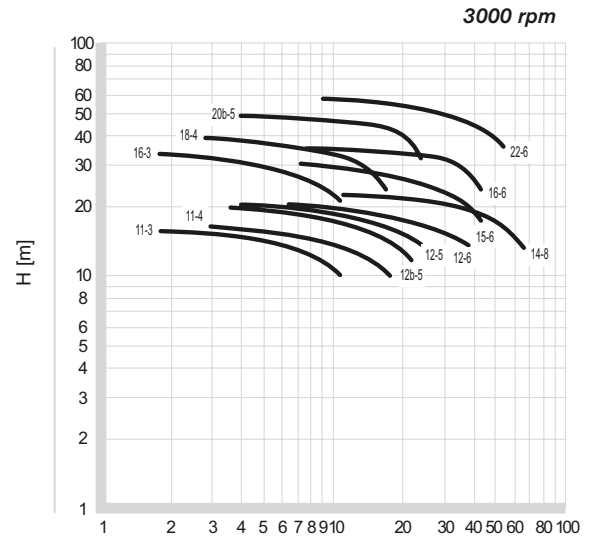
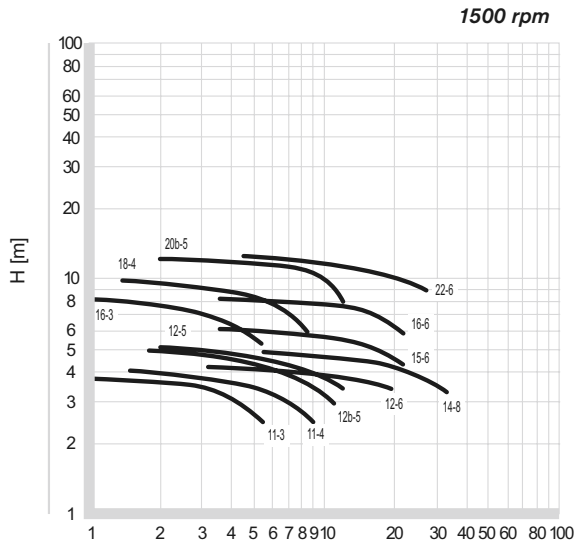
TECHNICAL DATA

| | |
|-----------------------------|---|
| Maximum capacity: | 80 m ³ /h (50 Hz) 100 m ³ /h (60 Hz) |
| Maximum delivery head: | 60 m (50 Hz) 53 m (60 Hz) |
| Maximum liquid temperature: | 95°C |
| Maximum operating pressure: | 8 bar (800 kPa) |
| Maximum speed: | 3600 rpm |

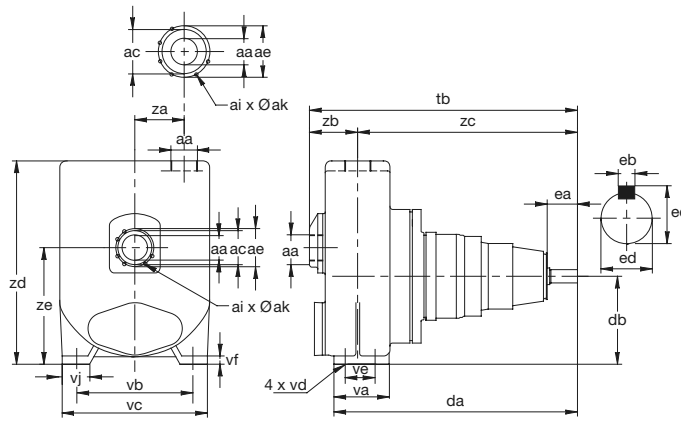
| MATERIAL | | |
|---------------------------------|--------------------------|------------------|
| PUMP CASING | CAST IRON | CAST IRON |
| IMPELLER | CAST IRON | BRONZE |
| MECHANICAL SEAL COVER | CAST IRON | CAST IRON |
| PUMP SHAFT | 17% CHROME STEEL | |
| MECHANICAL SEAL MATERIAL | CARBON TO CERAMIC | |

Other materials upon request

PERFORMANCE DATA



DIMENSIONS



| RP/ MM | AA | AC | AE | AI | AK | DA | DB | EA | EB | EC | ED | TB | VA | VB | VC | VD | VE | VF | VJ | ZA | ZB | ZC | ZD | ZE | [KG] |
|-----------|--------|-----|-----|----|-----|-----|-----|----|------|----|------|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|------|
| 11-3 | 1.1/4" | - | - | - | - | 282 | 80 | 40 | 5P9 | 18 | 16J6 | 308 | 95 | 160 | 190 | 12 | 70 | 10 | 35 | - | 70 | 238 | 255 | 132 | 15 |
| 11-4 | 1.1/2" | - | - | - | - | 282 | 80 | 40 | 5P9 | 18 | 16J6 | 325 | 95 | 160 | 190 | 12 | 70 | 10 | 35 | - | 80 | 245 | 290 | 132 | 17 |
| 16-3 | 1.1/4" | - | - | - | - | 335 | 100 | 50 | 8P9 | 27 | 24J6 | 372 | 100 | 190 | 225 | 14 | 70 | 12 | 42 | - | 83 | 289 | 280 | 160 | 26 |
| 12B-5 | 2" | - | - | - | - | 335 | 100 | 50 | 8P9 | 27 | 24J6 | 393 | 100 | 190 | 225 | 14 | 70 | 12 | 42 | - | 98 | 295 | 350 | 160 | 30 |
| 12-5 | 2" | - | - | - | - | 335 | 100 | 50 | 8P9 | 27 | 24J6 | 393 | 100 | 190 | 225 | 14 | 70 | 12 | 42 | - | 98 | 295 | 350 | 160 | 30 |
| 12-6 | 2.1/2" | - | - | - | - | 360 | 100 | 50 | 8P9 | 27 | 24J6 | 434 | 125 | 190 | 225 | 14 | 95 | 12 | 42 | - | 114 | 320 | 360 | 180 | 40 |
| 15-6 | 2.1/2" | - | - | - | - | 360 | 132 | 50 | 8P9 | 27 | 24J6 | 415 | 125 | 212 | 247 | 14 | 95 | 12 | 44 | - | 105 | 310 | 380 | 212 | 40 |
| 16-6 | 2.1/2" | - | - | - | - | 360 | 132 | 50 | 8P9 | 27 | 24J6 | 415 | 125 | 212 | 247 | 14 | 95 | 12 | 44 | - | 105 | 310 | 380 | 212 | 40 |
| 14-8 | DN80 | 135 | 160 | 8 | M16 | 360 | 132 | 50 | 8P9 | 27 | 24J6 | 430 | 125 | 212 | 255 | 14 | 95 | 12 | 47 | - | 116 | 314 | 375 | 212 | 46 |
| 18-4 | 1.1/4" | - | - | - | - | 443 | 160 | 50 | 8P9 | 27 | 24J6 | 490 | 100 | 212 | 265 | 14 | 70 | 15 | 50 | 90 | 90 | 400 | 370 | 212 | 65 |
| 20B-5 | 2" | - | - | - | - | 470 | 160 | 50 | 8P9 | 27 | 24J6 | 515 | 125 | 250 | 320 | 14 | 95 | 15 | 65 | 100 | 105 | 410 | 460 | 224 | 90 |
| 22-6 | 2.1/2" | - | - | - | - | 575 | 180 | 80 | 10P9 | 35 | 32K6 | 640 | 125 | 280 | 345 | 14 | 95 | 18 | 65 | 110 | 120 | 520 | 550 | 265 | 110 |

SPX

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SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

JP_433_GB Version: 01/2013 Issued: 10/2013

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