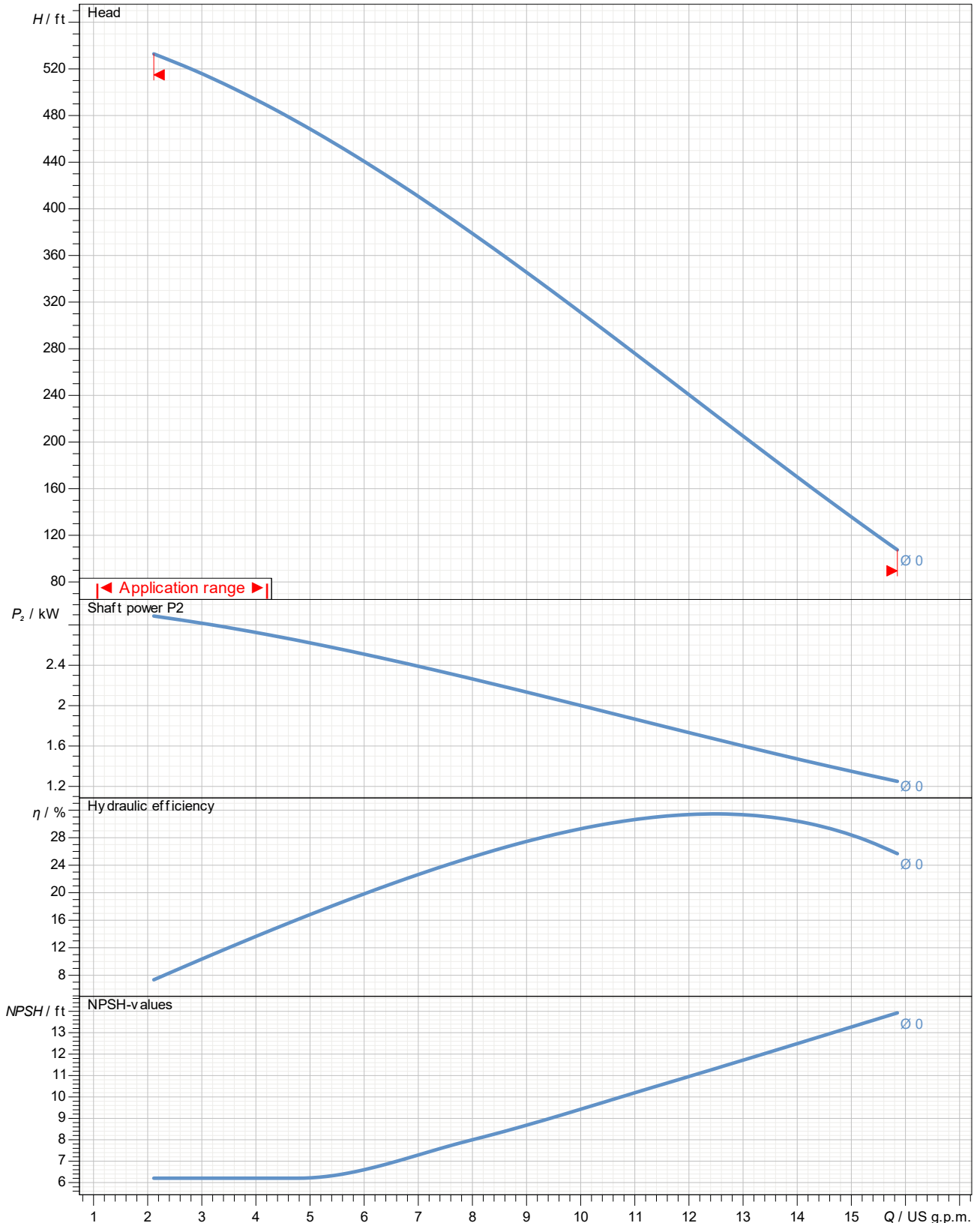


|                                                                                                                                    |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------|-------------------------|-------------------------------|----------------------------------------------------------------------------------------------|-------------------------|-------------------------|-----------|
| <b>circutec</b>                                                                                                                    |                                                                                                                                                                         | <b>Data Sheet</b><br><b>side channel pumps</b><br><b>SKG2005LL</b> |                                   |                         |                               | Inquiry Unbenanntes Projekt 2<br>Created on 2026-09-23 Item 1<br>Rev.: 2026-09-23 Page 1 / 3 |                         |                         |           |
| <b>SPECK PUMPEN Systemtechnik GmbH</b><br>Regensburger Ring 6 - 8 D-91154 Roth Tel.: 09171/809-0 Fax: 09171/809-10 www.circutec.de |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| Customer<br>City<br>Inquiry vom<br>Project                                                                                         |                                                                                                                                                                         |                                                                    | Contact<br>Phone<br>Fax<br>E-mail |                         |                               | Editor<br>Phone<br>Fax<br>E-mail                                                             |                         |                         |           |
| <b>Operating Data</b>                                                                                                              |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 1                                                                                                                                  | Fluid                                                                                                                                                                   | Water                                                              | 100 %                             | Flow rate               | rated                         | US g.p.m.                                                                                    | Speed                   | 1750                    | 1/min     |
| 2                                                                                                                                  | No corrosive / abrasive matters                                                                                                                                         |                                                                    |                                   |                         | min / max                     | 2.1 / 15 US g.p.m.                                                                           | Hydr. efficiency        |                         | %         |
| 3                                                                                                                                  | Solids                                                                                                                                                                  | 0                                                                  | Wght.-%                           | Pressure                | Inlet                         | psi(g)                                                                                       | hydr. power cons.       |                         | kW        |
| 4                                                                                                                                  | Working point                                                                                                                                                           | A1/tW / A2/tS                                                      |                                   |                         | Disch.                        | psi(g)                                                                                       | Max. operating pressure | 231                     | psi (ü)   |
| 5                                                                                                                                  | Oper. temperature                                                                                                                                                       | 20 /                                                               | °C                                | Head                    |                               | ft                                                                                           |                         |                         |           |
| 6                                                                                                                                  | Density                                                                                                                                                                 | 998.3 /                                                            | kg/m³                             | Differential pressure   |                               | 0.00                                                                                         | psi(g)                  | Head at A2              | ft        |
| 7                                                                                                                                  | Kin. viscosity                                                                                                                                                          | 1.005 /                                                            | mm²/s                             | Max. operating pressure |                               | 230.7                                                                                        | psi(g)                  | Flow rate at A2         | US g.p.m. |
| 8                                                                                                                                  | Vapor pressure                                                                                                                                                          | 0.3394 /                                                           | psi                               | NPSH                    |                               |                                                                                              |                         | Total. abs. power at A2 | kW        |
| 9                                                                                                                                  | PH value                                                                                                                                                                |                                                                    |                                   |                         | required                      |                                                                                              | ft                      |                         |           |
| <b>Installation / Environment</b>                                                                                                  |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 10                                                                                                                                 | Building / Outside                                                                                                                                                      | Indoor                                                             | Altitude                          | < 328.1                 | ft                            | Amb. Temp. min/max                                                                           | -20 / 20                | °C                      |           |
| 11                                                                                                                                 | under roof                                                                                                                                                              | Yes                                                                | ATEX category                     | ---                     |                               | rel. Humidity                                                                                | <55                     | %                       |           |
| <b>Pump</b>                                                                                                                        |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 12                                                                                                                                 | Impeller type                                                                                                                                                           | side channel impeller                                              |                                   | Suction port            | Pressure rating               | PN 40                                                                                        | Delivery port           | Pressure rating         | PN 40     |
| 13                                                                                                                                 | dir. of rotation                                                                                                                                                        | right=standard                                                     |                                   |                         | nom. diam. DN                 | DN 20                                                                                        |                         | nom. diam. DN           | DN 20     |
| 14                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   | drilled to              | Standard                      | EN 1092-1                                                                                    | drilled to              | Standard                | EN 1092-1 |
| 15                                                                                                                                 | Single head pump                                                                                                                                                        | X 1                                                                | Calming section suction = min.    | 200 mm                  | Material combination          |                                                                                              | 40                      |                         |           |
| <b>Accessories</b>                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 16                                                                                                                                 | <b>Motor</b>                                                                                                                                                            |                                                                    |                                   |                         | <b>Shaft seal</b>             |                                                                                              | <b>Base plate</b>       |                         |           |
| 17                                                                                                                                 | Make                                                                                                                                                                    | WEG                                                                | Type                              | W22 100L 3,0kW 4p       | ø16-EQ1A M1-25 bar/M1-25 bar  |                                                                                              | Description             | U 220.0850.L            |           |
| 18                                                                                                                                 | Specific design                                                                                                                                                         | IEC-Normmotor IE3                                                  |                                   | Number of poles         | 4                             | Art. 112                                                                                     | Specific design         | Lugs U-profile          |           |
| 19                                                                                                                                 | Rated power                                                                                                                                                             | 3                                                                  | 1) kW                             | Degree of prot.         | IP 55                         | uncooled                                                                                     | Length                  | 850 mm                  |           |
| 20                                                                                                                                 | Rated current                                                                                                                                                           | 5.33                                                               | A                                 | Frequency               | 60 ±2% Hz                     |                                                                                              | Width                   | 220 mm                  |           |
| 21                                                                                                                                 | 1-phase / 3-ph                                                                                                                                                          | 3~                                                                 |                                   | Voltage                 | 460 ±5% V                     | <b>Coupling protection</b>                                                                   |                         | <b>Coupling</b>         |           |
| 22                                                                                                                                 | Rated speed                                                                                                                                                             | 1740                                                               | 1/min                             | Mounting                | IM B3                         | 20 - BG 100                                                                                  | Make                    | KTR                     |           |
| 23                                                                                                                                 | Motor flange ø                                                                                                                                                          | mm                                                                 | Sound pressure level              | dB(A)                   |                               | <b>Material combination</b>                                                                  | Series                  | Standard                |           |
| 24                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   |                         | 40                            |                                                                                              | Frame size              | 24                      |           |
| 25                                                                                                                                 | terminal box, motor up                                                                                                                                                  |                                                                    |                                   |                         | name plate left               |                                                                                              | Spacer length           | 18 mm                   |           |
| <b>Materials</b>                                                                                                                   |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 26                                                                                                                                 | Suction casing                                                                                                                                                          | GBz                                                                |                                   | Discharge casing        |                               | GBz                                                                                          |                         |                         |           |
| 27                                                                                                                                 | Stage                                                                                                                                                                   | GBz                                                                |                                   | Mechanical seal housing |                               | GBz                                                                                          |                         |                         |           |
| 28                                                                                                                                 | side channel impeller                                                                                                                                                   | GBz                                                                |                                   | Shaft                   |                               | 1.4571                                                                                       |                         |                         |           |
| 29                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   | pump frame              |                               | EN-GJS-400-15 / GJL-250                                                                      |                         |                         |           |
| 30                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 31                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   |                         |                               | not at SKG-LL                                                                                |                         |                         |           |
| 32                                                                                                                                 | seal stage                                                                                                                                                              | Eppl 33                                                            | Bearing stage                     | A-carbon                | O-ring pump frame cooling     | Bearing shaft                                                                                |                         |                         |           |
| <b>Tests / Inspections</b>                                                                                                         |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 33                                                                                                                                 | <b>Material Tests</b>                                                                                                                                                   | <b>Test 2)</b>                                                     | <b>Certific.</b>                  | <b>Other Tests</b>      | <b>Tests / Inspections 2)</b> | <b>Certific.</b>                                                                             | <b>Qty</b>              |                         |           |
| 34                                                                                                                                 | Suction casing                                                                                                                                                          | None                                                               | none                              | Hydrost. Pressure Test  | Internal                      | none                                                                                         | all                     |                         |           |
| 35                                                                                                                                 | Discharge casing                                                                                                                                                        | None                                                               | none                              | Gas Pressure Test 3)    | Internal                      | none                                                                                         | all                     |                         |           |
| 36                                                                                                                                 | Stage                                                                                                                                                                   | None                                                               | none                              | Performance curve 4)    | None                          | none                                                                                         | all                     |                         |           |
| 37                                                                                                                                 | Mechanical seal housing                                                                                                                                                 | None                                                               | none                              | NPSH-Measurement        | None                          | none                                                                                         | all                     |                         |           |
| 38                                                                                                                                 | side channel impeller                                                                                                                                                   | None                                                               | none                              | Final check             | Internal                      | none                                                                                         | all                     |                         |           |
| 39                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   | vibration               | None                          | none                                                                                         | all                     |                         |           |
| 40                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   | temperature             | None                          | none                                                                                         | all                     |                         |           |
| 41                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| <b>Shipping data 5)</b>                                                                                                            |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 42                                                                                                                                 | Net weight appr.                                                                                                                                                        | kg                                                                 | Gross weight appr.                | kg                      | pump color                    | motor color                                                                                  |                         |                         |           |
| <b>Documentation</b>                                                                                                               |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 43                                                                                                                                 | Dimensional drwg.                                                                                                                                                       | Cross sect. drwg                                                   | performance curve No.             | Oper. & Instruct. Man.  | Other (see attached)          | Qty                                                                                          |                         |                         |           |
| 44                                                                                                                                 | RD 14. x x x                                                                                                                                                            | E 1420. x x x                                                      |                                   | DE 1096.0798            |                               | 1                                                                                            |                         |                         |           |
| <b>Remarks</b>                                                                                                                     |                                                                                                                                                                         |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |
| 45                                                                                                                                 |                                                                                                                                                                         |                                                                    |                                   | motor article           | 0                             |                                                                                              |                         |                         |           |
| 46                                                                                                                                 | 1) motor supplement corresponds to ISO 9906<br>2) according to EN 10204<br>3) volute casing & casing cover<br>4) without NPSH test<br>5) scope of deliv. to price sheet |                                                                    |                                   |                         |                               |                                                                                              |                         |                         |           |

|          |     |         |  |        |  |
|----------|-----|---------|--|--------|--|
| Customer |     | Contact |  | Editor |  |
| City     |     | Phone   |  | Phone  |  |
| Inquiry  | vom | Fax     |  | Fax    |  |
| Project  |     | E-mail  |  | E-mail |  |

performance data level in relation to: Speed 1750 Flow  $\pm 10\%$   
Water; 20°C; 998.3kg/m<sup>3</sup>; 1.005mm<sup>2</sup>/s Head  $\pm 10\%$



aggregate

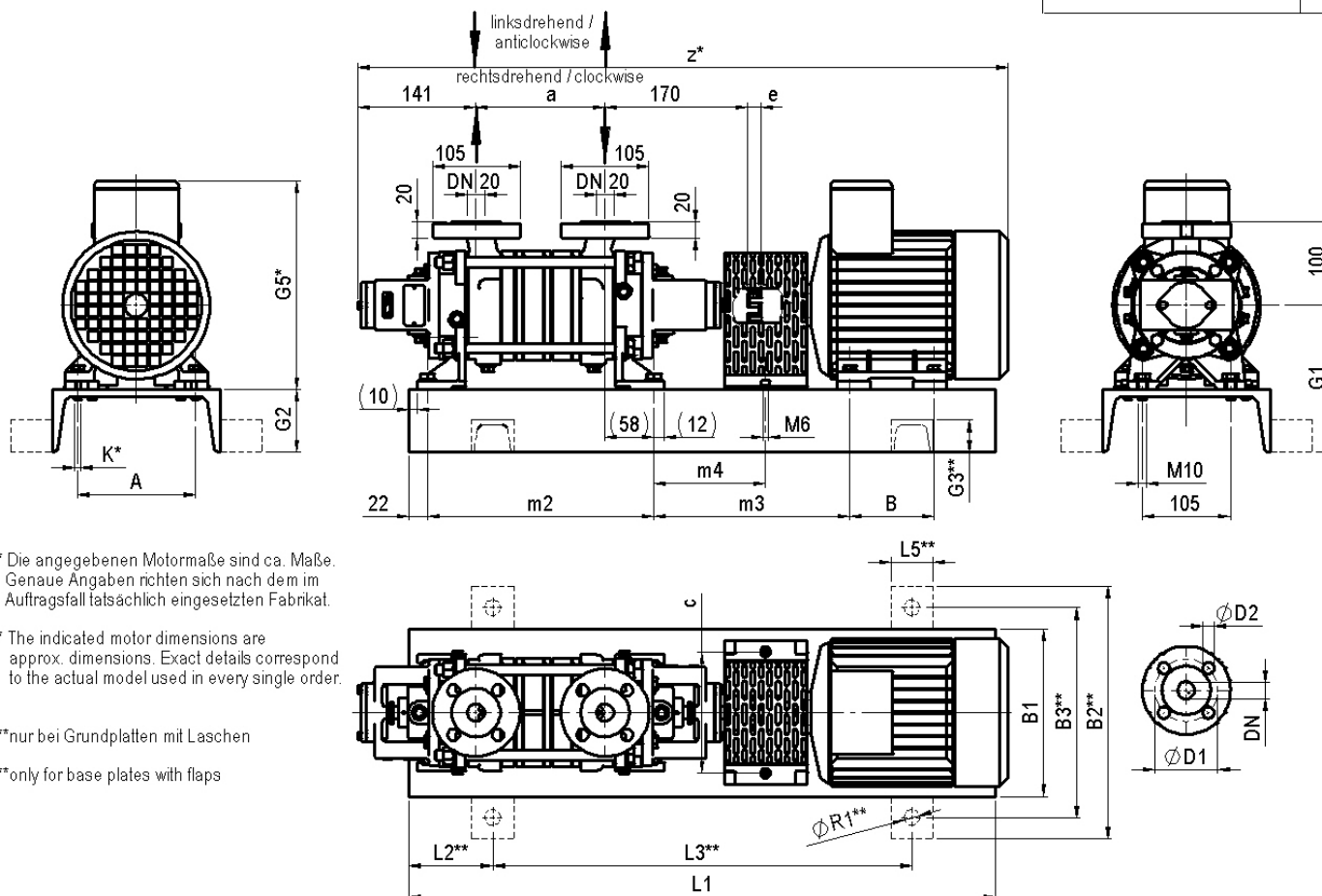
**Motor** WEG - W22 100L 3.0kW 4p - IM B3

## Anschluesse

**Suction port**  
EN 1092-1  
DN 20 PN 40  
75 mm  
14 mm x 4

**Delivery port**  
EN 1092-1  
DN 20 PN 40  
1 75 mm  
2 14 mm x 4

**Dimensions in mm**



\* Die angegebenen Motormaße sind ca. Maße.  
Genaue Angaben richten sich nach dem im  
Auftragsfall tatsächlich eingesetzten Fabrikat.

\* The indicated motor dimensions are approx. dimensions. Exact details correspond to the actual model used in every single order.

\*\*nur bei Grundplatten mit Laschen

\*\*only for base plates with flaps

|    |       |
|----|-------|
| a  | 222   |
| A  | 160   |
| B  | 140   |
| B1 | 220   |
| B2 | 320   |
| B3 | 270   |
| c  | 145   |
| e  | 18    |
| G1 | 180   |
| G2 | 80    |
| G3 | 38    |
| G5 | 267   |
| K  | 12    |
| L1 | 850   |
| L2 | 100   |
| L3 | 650   |
| L5 | 50    |
| m2 | 338   |
| m3 | 253   |
| m4 | 135.5 |
| R1 | 18.5  |
| z  | 971   |