

| Technical Data Sheet                                                                                   |                                               |                       |             |                                                                                                                |                             | LEWA                  |                          |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------|--------------------------|
| Customer                                                                                               |                                               |                       |             | Customer-Reference No.                                                                                         |                             |                       |                          |
|                                                                                                        |                                               |                       |             | LEWA-Quotation-No. --000                                                                                       |                             | LEWA-Commission-No. - |                          |
| 1                                                                                                      | Element                                       | a,b                   |             |                                                                                                                | Page                        |                       | of                       |
| Operating Data (If operating data are incomplete LEWA takes no responsibility for the pump selection!) |                                               |                       |             |                                                                                                                |                             |                       |                          |
| 2                                                                                                      | Fluid                                         | unknown               |             |                                                                                                                | dangerous acc. EG 1272/2008 |                       | <input type="checkbox"/> |
| 3                                                                                                      |                                               | min                   | max         |                                                                                                                | min                         | max                   |                          |
| 4                                                                                                      | Concentration [%]                             | 100.00                | 100.00      | Vapour pressure [bara]                                                                                         | unknown                     | unknown               |                          |
| 5                                                                                                      | Fluid temperature [°C]                        | 20                    | 30          | Solidifying point [°C]                                                                                         | --                          | --                    |                          |
| 6                                                                                                      | Density [g/cm3]                               | 1.00                  | 1.00        | Solids Concentration [%]                                                                                       | --                          | --                    |                          |
| 7                                                                                                      | Viscosity [mPa s]                             | 1.00                  | 10.00       | Density [g/cm3]                                                                                                | --                          | --                    |                          |
| 8                                                                                                      | Required flow [l/h]                           | 0.00                  | 50.0 (2x25) | Solids sizes [mm]                                                                                              | --                          | --                    |                          |
| 9                                                                                                      | Operat. press. disch. [bar]                   | 10.00                 | 10.00       | Hardness [Mohs]                                                                                                | --                          | --                    |                          |
| 10                                                                                                     | Operating press. suct. [bar]                  | 0.00                  | 0.00        | Settling rate [m/s]                                                                                            | --                          | --                    |                          |
| 11                                                                                                     | Area classification                           | no ATEX               |             | Compressibility [%]                                                                                            | 0.05                        |                       |                          |
| 12                                                                                                     | Ambient conditions (temperature, climate,...) |                       |             | 0 ... 40 [°C] Indoor                                                                                           |                             |                       |                          |
| Design data                                                                                            |                                               |                       |             |                                                                                                                |                             |                       |                          |
| 13                                                                                                     | No.                                           | 1                     |             | LEWA-Serial-No.                                                                                                | -000 .                      |                       | 001                      |
| 14                                                                                                     | Type                                          | LEC2 = 25S1/25S1      |             | horiz. (h) / vertical (v)                                                                                      | v                           |                       | Custom.-Item-No.         |
| 15                                                                                                     | Drive unit                                    | Type                  | LEC         | Driver                                                                                                         | Make                        | not included          |                          |
| 17                                                                                                     | Rod thrust [N]                                | 1460                  |             | Type                                                                                                           |                             |                       |                          |
| 18                                                                                                     | Stroke adjustment                             | manual (HHV)          |             | Power [kW]                                                                                                     | 0.18                        |                       |                          |
| 19                                                                                                     | Eccentricity [°]                              | 0/180                 |             | Rpm [min-1]                                                                                                    | 1361                        |                       |                          |
| 20                                                                                                     | Gear reduction                                | 17.00                 |             | Ex-protection                                                                                                  | -                           |                       |                          |
| 21                                                                                                     | Strokes per minute min/max [min-1]            | 80 / 80               |             | Protection / Insulation                                                                                        | /                           |                       |                          |
| 22                                                                                                     | Intermed. elem.-Type/Width [mm]               | LEB/LEC / 0.00        |             | Voltage [V]                                                                                                    |                             |                       |                          |
| 23                                                                                                     | Pumphead                                      | Type                  | M310S       | Phases / Frequency [Hz]                                                                                        | /                           |                       |                          |
| 24                                                                                                     | Plunger-Ø [mm]                                | 39                    |             | Size / Mounting                                                                                                | 063 / B14/V18               |                       |                          |
| 25                                                                                                     | Flow @ max. op. press. [l/h]                  | 50.0 (2x25)           |             | Flange-Ø [mm]                                                                                                  | C090                        |                       |                          |
| 26                                                                                                     | Max. perm. op. press. [bar]                   | 10.00                 |             | Shaft-Ø [mm] x [mm]                                                                                            |                             |                       |                          |
| 27                                                                                                     | Diaphragm condition monitor                   | press switch IE4      |             | Thermistors                                                                                                    |                             |                       |                          |
| 28                                                                                                     | Vent screw                                    | no                    |             | design (VIK,CSA,-)                                                                                             | -                           |                       |                          |
| 29                                                                                                     | Type of plunger sealing                       | -                     |             | Additional remarks :                                                                                           |                             |                       |                          |
| 30                                                                                                     | Plunger linkage                               | -                     |             |                                                                                                                |                             |                       |                          |
| 31                                                                                                     | Valve Suction / DN                            | K1DSA / 10            |             | Variable frequency drive                                                                                       |                             |                       |                          |
| 32                                                                                                     | Spring load [bar]                             | -                     |             | Range [Hz]                                                                                                     | -                           |                       |                          |
| 33                                                                                                     | Valve Discharge / DN                          | K1DSA / 10            |             | Start-up against load                                                                                          | yes                         |                       |                          |
| 34                                                                                                     | Spring load [bar]                             | -                     |             | Rated torque at max. press. [Nm]                                                                               | 0.35                        |                       |                          |
| 35                                                                                                     | Sett. PRV pumphead int. [bar]                 | -                     |             | Start-up torque at max. press. [Nm]                                                                            | 1.09                        |                       |                          |
| 36                                                                                                     | Sett. PRV external [bar]                      | 11.00                 |             | Additional remarks :                                                                                           |                             |                       |                          |
| 37                                                                                                     | Inlet pressure loss [bar]                     | 0.02                  |             |                                                                                                                |                             |                       |                          |
| 38                                                                                                     | Min. req. suct. press. [bara]                 | 0.02 + vapor pressure |             | General                                                                                                        |                             |                       |                          |
| 39                                                                                                     | Connection Suction                            | ISO G 3/8 fem.        |             | Paint                                                                                                          | RAL 5015                    |                       |                          |
| 40                                                                                                     | Discharge                                     | ISO G 3/8 fem.        |             | Name plate                                                                                                     | EN                          |                       |                          |
| 41                                                                                                     | Connection Flushing                           | -                     |             | Weight [kg]                                                                                                    | 17                          |                       |                          |
| 42                                                                                                     | Heating / Cooling                             | -                     |             | Sound pressure [dB[A]]                                                                                         |                             |                       |                          |
| 43                                                                                                     | Materials LEWA material-Code                  | 3                     |             | Ex-protection (pump)                                                                                           | -                           |                       |                          |
| 44                                                                                                     | Pumphead / Valve body                         | 316/316L / 316/316L   |             | Accessories / Documentation / Remarks :                                                                        |                             |                       |                          |
| 45                                                                                                     | diaphragm                                     | PTFE                  |             |                                                                                                                |                             |                       |                          |
| 46                                                                                                     | Valve Seat / Insert ring                      | 316/316L / -          |             | Despite new standard material 316L the pump is identical to S/N 552436-010.001 ....electric motor not included |                             |                       |                          |
| 47                                                                                                     | Guide / ball                                  | 1.4581 / OK-USP       |             |                                                                                                                |                             |                       |                          |
| 48                                                                                                     | Spring / Sealing ring                         | - / Gyl               |             |                                                                                                                |                             |                       |                          |
| 49                                                                                                     | Type of plunger sealing                       | -                     |             |                                                                                                                |                             |                       |                          |
| 50                                                                                                     | Hydraulic fluid (diaphragm head)              | -                     |             |                                                                                                                |                             |                       |                          |
| 51                                                                                                     | Intermed. fluid (sandwich diaphr.)            | -                     |             |                                                                                                                |                             |                       |                          |
|                                                                                                        | issued                                        | Name                  | Rev.(1)     | Name                                                                                                           | Rev.(4)                     | Name                  |                          |
|                                                                                                        | checked                                       | Name                  | Rev.(2)     | Name                                                                                                           | Rev.(5)                     | Name                  |                          |
|                                                                                                        | checked                                       | Name                  | Rev.(3)     | Name                                                                                                           | Rev.(6)                     | Name                  |                          |

