

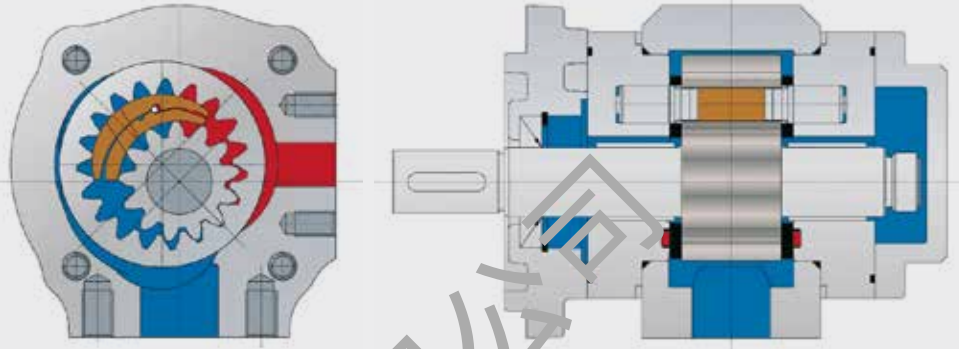
EIPC3  
EIPC5  
EIPC6

Internal gear pumps



#### Characteristics

- Internal gear pump with axial and radial gap compensation
- Radial compensation with segments
- Suction and pressure port radial
- Field of application: Industrial hydraulic
- Low noise
- Long time life
- Low pulsation (pressure pulsation ~2 %)
- Multi flow combinations



#### Technical Data

| Rated Size                                                     | 020                              | 025         | 032         | 040                                                                          | 050         | 063         | 064         |
|----------------------------------------------------------------|----------------------------------|-------------|-------------|------------------------------------------------------------------------------|-------------|-------------|-------------|
| Spec. volume V <sub>th</sub> [cm <sup>3</sup> /rev]***         | 20,0                             | 24,8        | 32,1        | 40,1                                                                         | 50,3        | 63,1        | 64,4        |
| Continuous operating pressure [bar]**                          |                                  |             | 250         |                                                                              |             | 180         | 250         |
| Peak operating pressure [bar]<br>max. 10 sec 15 % duty cycle** |                                  | 320         |             | 300                                                                          | 280         | 210         | 280         |
| Cut-in pressure peak [bar]**                                   |                                  | 350         |             | 325                                                                          | 300         | 210         | 300         |
| Nominal speed [min <sup>-1</sup> ]                             | 200 – 3.200                      | 200 – 3.200 | 200 – 3.000 | 100 – 2.500                                                                  | 100 – 1.800 |             | 100 – 1.800 |
| Max. speed [min <sup>-1</sup> ]                                | 3.500                            | 3.800       | 3.700       | 2.500                                                                        | 1.800       |             | 1.800       |
| Nominal speed [min <sup>-1</sup> ]****                         | For rated size 040-064 available |             |             | 100 – 3.200                                                                  | 100 – 3.000 | 200 – 2.200 | 100 – 2.200 |
| Max. speed [min <sup>-1</sup> ]****                            | For rated size 040-064 available |             |             | 3.600                                                                        | 3.600       | 2.400       | 2.400       |
| Operating viscosity [mm <sup>2</sup> /s]                       |                                  |             |             | 10 – 300                                                                     |             |             |             |
| Starting viscosity [mm <sup>2</sup> /s]                        |                                  |             |             | 2.000                                                                        |             |             |             |
| Operating temperature [°C]                                     |                                  |             |             | -20 to +100                                                                  |             |             |             |
| Operating medium                                               |                                  |             |             | HL – HLP DIN 51 524 part 1/2                                                 |             |             |             |
| Max. medium temperature [°C]                                   |                                  |             |             | 120                                                                          |             |             |             |
| Min. medium temperature [°C]                                   |                                  |             |             | -40                                                                          |             |             |             |
| Max. ambient temperature [°C]                                  |                                  |             |             | 80                                                                           |             |             |             |
| Min. ambient temperature [°C]                                  |                                  |             |             | -40                                                                          |             |             |             |
| Max. admission pressure (intake side) [bar]                    |                                  |             |             | 2 bar absolute                                                               |             |             |             |
| Min. admission pressure (intake side) [bar]                    |                                  |             |             | 0.8 bar absolute (Start 0.6)                                                 |             |             |             |
| Weight appr. [kg]                                              | 8,3                              | 8,6         | 9,2         | 9,8                                                                          | 10,5        | 10,5        | 11,5        |
| Degree of filtration                                           |                                  |             |             | Class 20/18/15 due to ISO 4406                                               |             |             |             |
| Life expectancy                                                |                                  |             |             | not less than 1x 10 <sup>7</sup> load cycles against peak operating pressure |             |             |             |
| Efficiency $\eta_{vol}$ :                                      | 93                               | 93          | 94          | 95                                                                           | 95          | 94          | 95          |
| Efficiency $\eta_{hm}$ :                                       | 91                               | 92          | 92          | 93                                                                           | 93          | 92          | 93          |
| Pump noise*<br>(measured in sound chamber) dB[A]               | 62                               | 63          | 64          | 65                                                                           | 66          | 64          | 68          |

$n = 1.450 \text{ min}^{-1}$      $\Delta p = 250 \text{ bar}$  (180 bar at size 063)     $T = 50 \text{ °C}$     Medium: HLP 46

\* Measured in anechoic room of Eckert Hydraulic Division; Axial microphone distance 1.0 m

\*\* For acceptable pressure at 400–1.800 rpm. Further rpm on request.

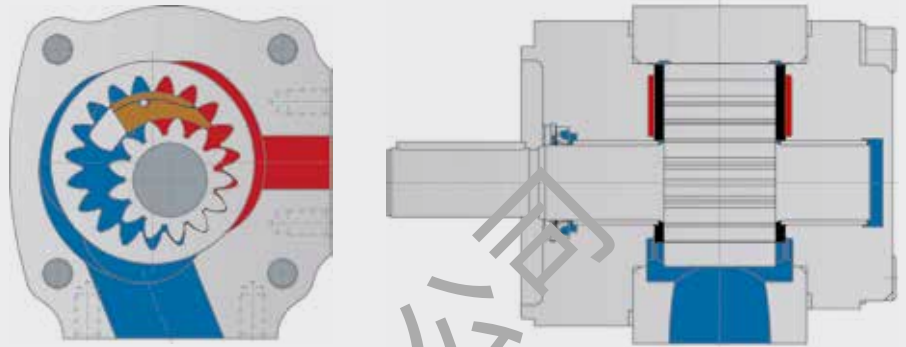
\*\*\* Due to manufacturing tolerances the displacement volume could vary.

\*\*\*\* 2" suction port

The pumps have no corrosion protection. The max. permissible values must not be applied cumulatively. Please contact us.

#### Characteristics

- Internal gear pump with axial and radial gap compensation
- Radial compensation with segments
- Suction and pressure port radial
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- Multi flow combinations on request



#### Technical Data

| Rated Size                                                     | 064         | 080                                                                          | 100         |
|----------------------------------------------------------------|-------------|------------------------------------------------------------------------------|-------------|
| Spec. volume V <sub>th</sub> [cm <sup>3</sup> /rev]***         | 65,3        | 80,4                                                                         | 100,5       |
| Continuous operating pressure [bar]**                          |             | 250                                                                          |             |
| Peak operating pressure [bar]<br>max. 10 sec 15 % duty cycle** |             | 270                                                                          |             |
| Cut-in pressure peak [bar]**                                   |             | 280                                                                          |             |
| Nominal speed [min <sup>-1</sup> ]                             | 100 – 2.800 | 100 – 2.800                                                                  | 100 – 2.500 |
| Max. speed [min <sup>-1</sup> ]                                | 3.000       | 3.000                                                                        | 3.000       |
| Operating viscosity [mm <sup>2</sup> /s]                       |             | 10 – 300                                                                     |             |
| Starting viscosity [mm <sup>2</sup> /s]                        |             | 2.000                                                                        |             |
| Operating temperature [°C]                                     |             | -20 to +100                                                                  |             |
| Operating medium                                               |             | HL – HLP DIN 51 524 part 1/2                                                 |             |
| Max. medium temperature [°C]                                   |             | 120                                                                          |             |
| Min. medium temperature [°C]                                   |             | -40                                                                          |             |
| Max. ambient temperature [°C]                                  |             | 80                                                                           |             |
| Min. ambient temperature [°C]                                  |             | -40                                                                          |             |
| Max. admission pressure (intake side) [bar]                    |             | 2 bar absolute                                                               |             |
| Min. admission pressure (intake side) [bar]                    |             | 0,8 bar absolute (Start 0,6)                                                 |             |
| Weight appr. [kg]                                              | 11,5        | 13,0                                                                         | 13,5        |
| Degree of filtration                                           |             | Class 20/18/15 due to ISO 4406                                               |             |
| Life expectancy                                                |             | not less than 1x 10 <sup>7</sup> load cycles against peak operating pressure |             |
| Efficiency η <sub>vol</sub> :                                  | 94          | 95                                                                           | 95          |
| Efficiency η <sub>hm</sub> :                                   | 92          | 93                                                                           | 93          |
| Pump noise*<br>(measured in sound chamber) dB[A]               | 69          | 70                                                                           | 71          |

n = 1.450 min<sup>-1</sup>    Δ p = 250 bar    T = 50 °C    Medium: HLP 46

\* Measured in anechoic room of Eckerle Hydraulic Division; Axial microphone distance 1.0 m

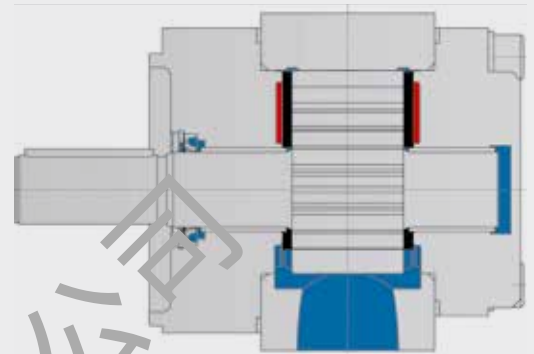
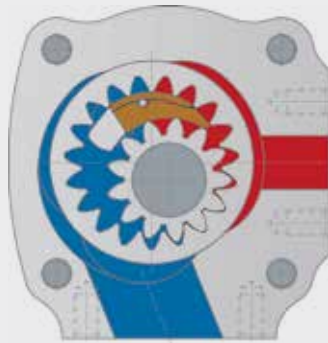
\*\* For acceptable pressure at 400–1.800 rpm. Further rpm on request.

\*\*\* Due to manufacturing tolerances the displacement volume could vary.

The pumps have no corrosion protection. The max. permissible values must not be applied cumulatively. Please contact us.

#### Characteristics

- Internal gear pump with axial and radial gap compensation
- Radial compensation with segments
- Suction and pressure port radial
- Field of application: Industrial hydraulic
- Low noise
- Long time life
- Low pulsation (pressure pulsation ~2 %)
- Multi flow combinations on request



#### Technical Data

| Rated Size                                                     | 125                                                                          | 160         | 200         | 250         |
|----------------------------------------------------------------|------------------------------------------------------------------------------|-------------|-------------|-------------|
| Spec. volume V <sub>th</sub> [cm <sup>3</sup> /rev]**          | 125,7                                                                        | 160,9       | 200,9       | 249,9       |
| Continuous operating pressure [bar]**                          | 250                                                                          | 250         | 160         | 140         |
| Peak operating pressure [bar]<br>max. 10 sec 15 % duty cycle** | 280                                                                          | 280         | 210         | 150         |
| Cut-in pressure peak [bar]**                                   | 100                                                                          | 100         | 180         | 160         |
| Nominal speed [min <sup>-1</sup> ****                          | 400 – 2.000                                                                  | 400 – 2.000 | 400 – 2.000 | 400 – 2.000 |
| Max. speed [min <sup>-1</sup> ]                                | 2.800                                                                        | 2.800       | 2.200       | 2.200       |
| Operating viscosity [mm <sup>2</sup> /s]                       | 10 – 300                                                                     |             |             |             |
| Starting viscosity [mm <sup>2</sup> /s]                        | 2.000                                                                        |             |             |             |
| Operating temperature [°C]                                     | -20 to +100                                                                  |             |             |             |
| Operating medium                                               | HL – HLP DIN 51 524 part 1/2                                                 |             |             |             |
| Max. medium temperature [°C]                                   | 80                                                                           |             |             |             |
| Min. medium temperature [°C]                                   | -20                                                                          |             |             |             |
| Max. ambient temperature [°C]                                  | 80                                                                           |             |             |             |
| Min. ambient temperature [°C]                                  | -20                                                                          |             |             |             |
| Max. admission pressure (intake side) [bar]                    | 2 bar absolute                                                               |             |             |             |
| Min. admission pressure (intake side) [bar]                    | 0.8 bar absolute (Start 0.6)                                                 |             |             |             |
| Weight appr. [kg]                                              | 27,5                                                                         | 30          | 43          | 54          |
| Degree of filtration                                           | Class 20/18/15 due to ISO 4406                                               |             |             |             |
| Life expectancy                                                | not less than 1x 10 <sup>7</sup> load cycles against peak operating pressure |             |             |             |
| Efficiency η <sub>vol</sub> :                                  | 94                                                                           | 94          | 93          | 93          |
| Efficiency η <sub>hm</sub> :                                   | 90                                                                           | 90          | 91          | 91          |
| Pump noise*<br>(measured in sound chamber) dB[A]               | 76                                                                           | 77          | 77          | 78          |

n = 1.450 min<sup>-1</sup>    Δ p = 250 bar (160 bar at size 200 and 140 bar at size 250)    T = 50 °C    Medium: HLP 46

\* Measured in anechoic room of Eckerle Hydraulic Division; Axial microphone distance 1.0 m

\*\* For acceptable pressure at 400–1.800 rpm. Further rpm on request.

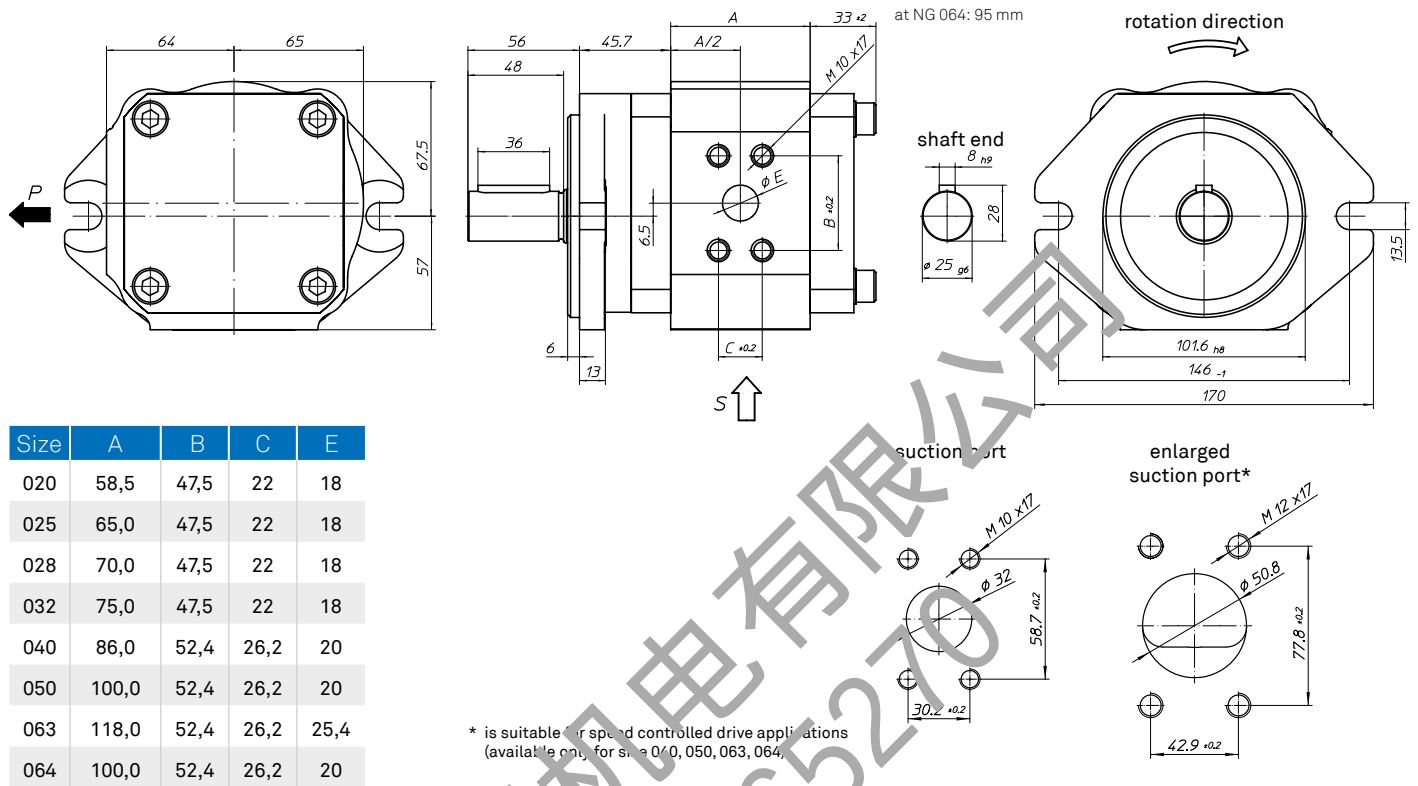
\*\*\* Due to manufacturing tolerances the displacement volume could vary.

\*\*\*\* Further rpm on request.

The pumps have no corrosion protection. The max. permissible values must not be applied cumulatively. Please contact us.

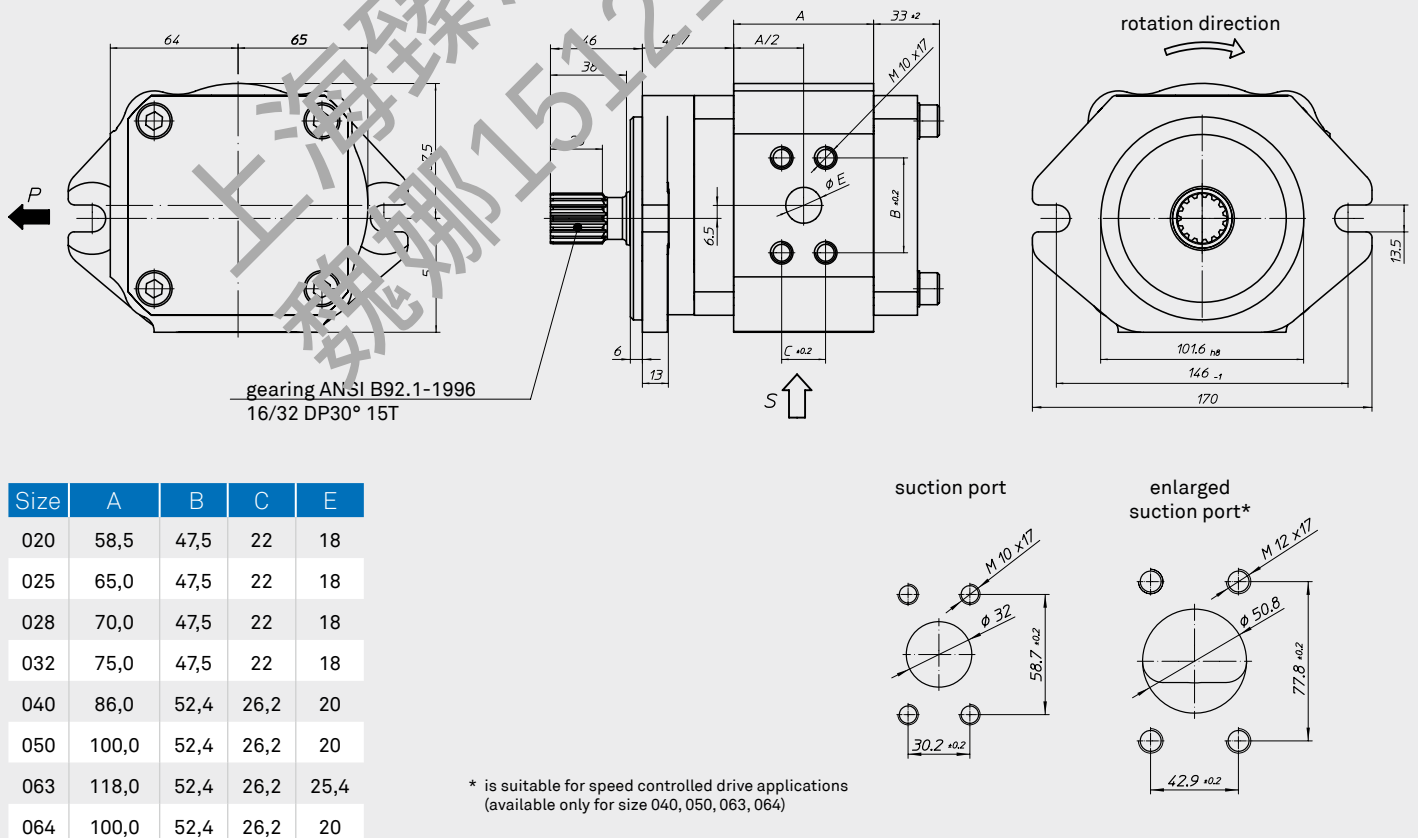
Pump with SAE-2-B-hole flange and cylindrical shaft

Order example: EIPC3-\_\_\_RA23-1X



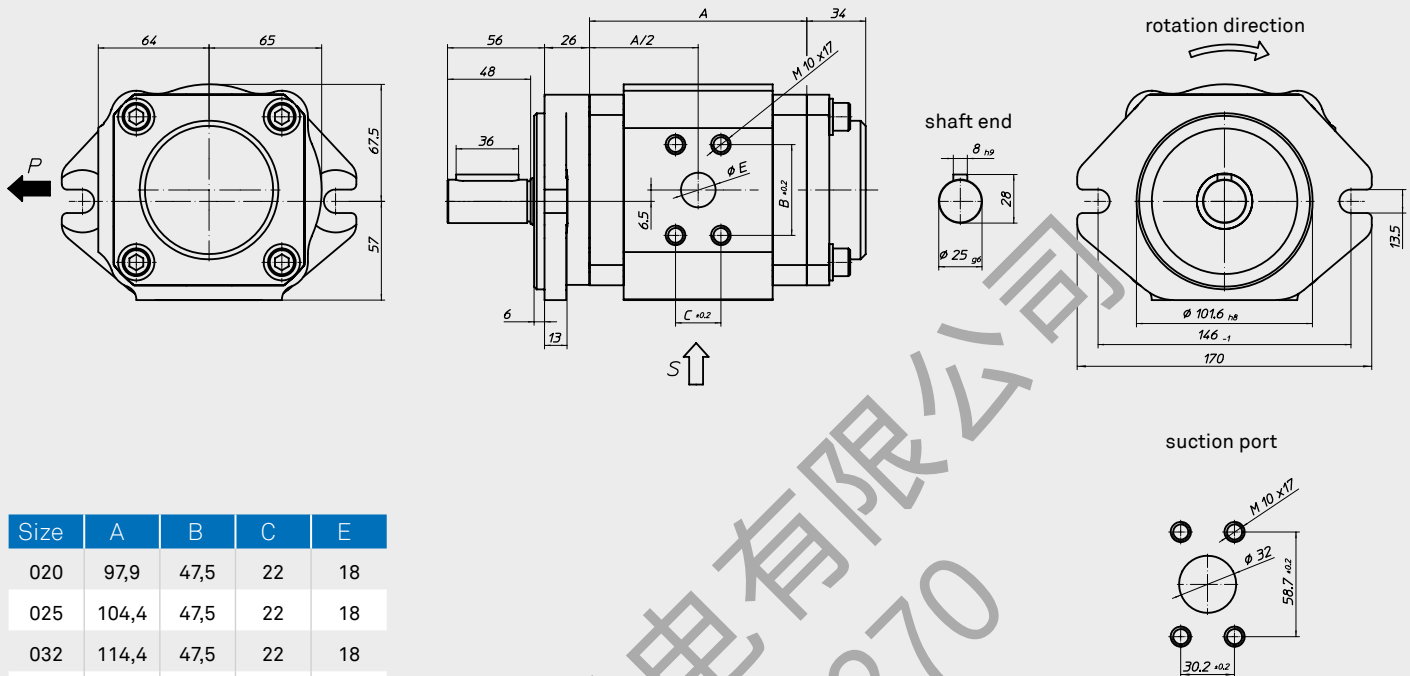
Pump with SAE-2-B-hole flange and spline shaft

Bestellbeispiel: EIPC3-\_\_\_RB23-1X



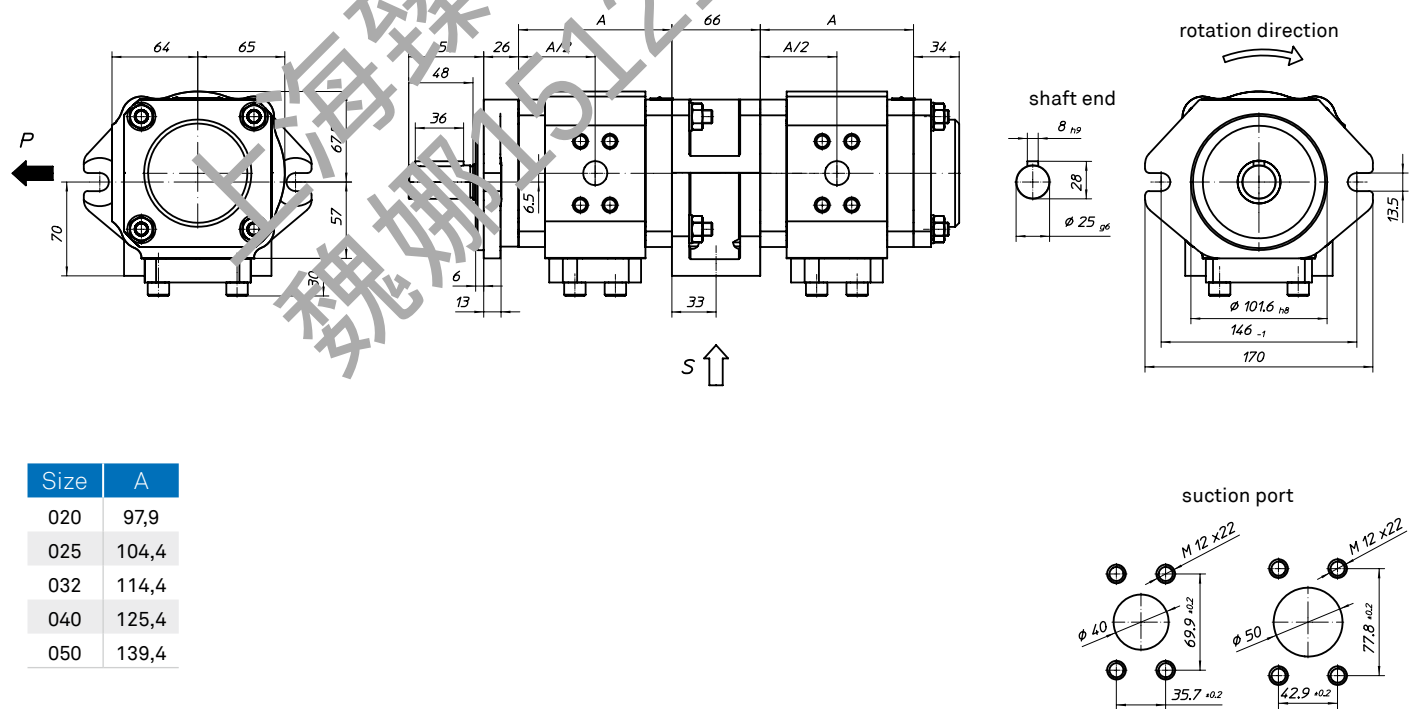
Pump with SAE-B-2-hole flange and cylindrical shaft with PTO through drive option

Order example: EIPC3-\_\_\_RK23-1X



Double pump with SAE-B-2-hole flange and cylindrical shaft

Order example: EIPC3-\_\_\_RK20-1X+  
EIPC3-\_\_\_RP30-1X



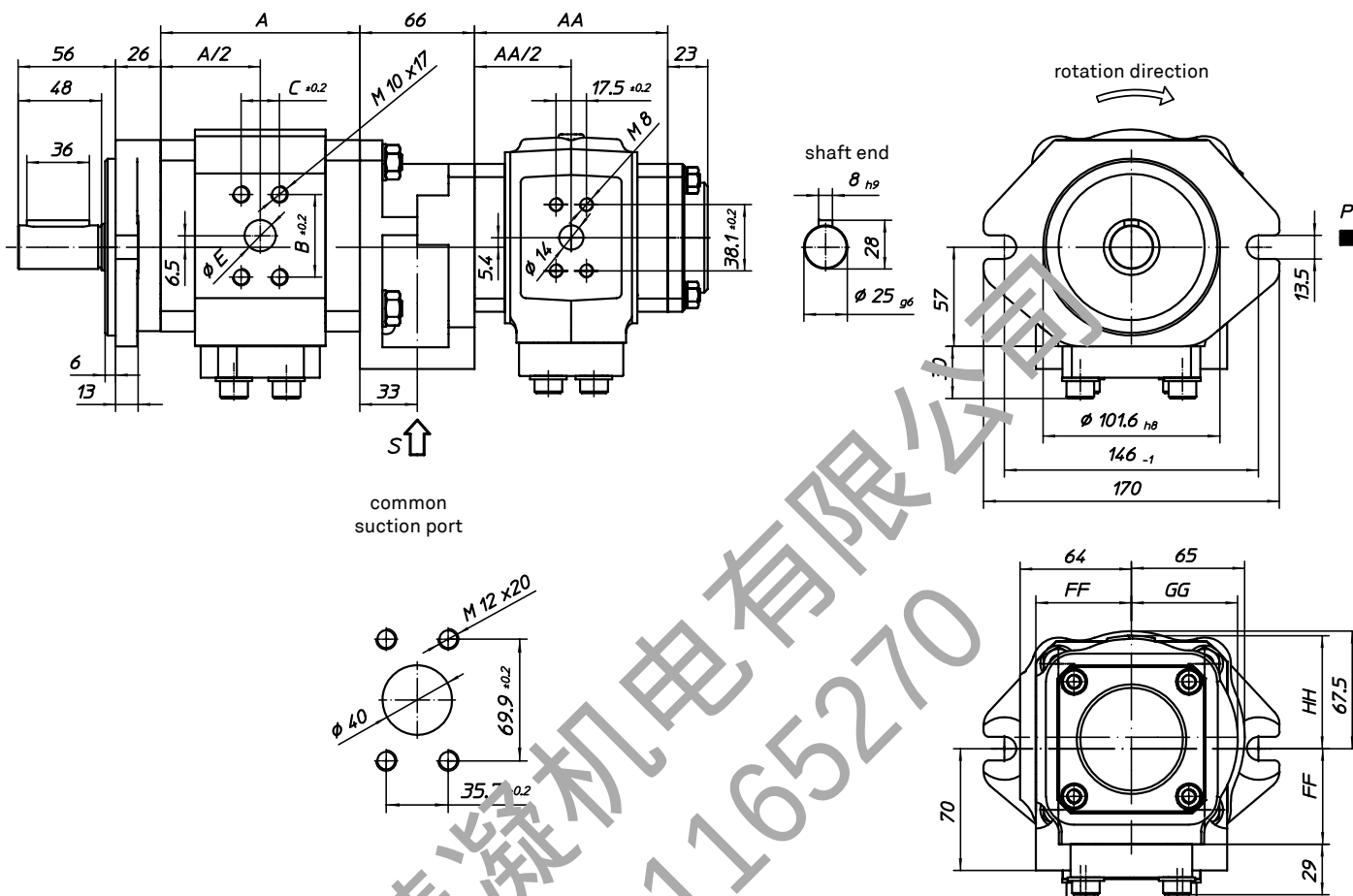
Pressure connections see single pump

size 020-032

size 040-050

Double pump with SAE-B-2-hole flange and cylindrical shaft

Order example: EIPC3-\_\_\_RK20-1X+  
EIPH2-\_\_\_RP30-1X



### EIPH2

| Size | AA  | FF | GG | HH |
|------|-----|----|----|----|
| 004  | 71  | 50 | 55 | 59 |
| 005  | 71  | 50 | 55 | 59 |
| 006  | 73  | 50 | 55 | 59 |
| 008  | 76  | 50 | 55 | 59 |
| 011  | 82  | 50 | 55 | 59 |
| 013  | 87  | 50 | 55 | 60 |
| 016  | 92  | 50 | 55 | 60 |
| 019  | 99  | 55 | 61 | 65 |
| 022  | 105 | 55 | 61 | 65 |
| 025  | 111 | 55 | 61 | 65 |

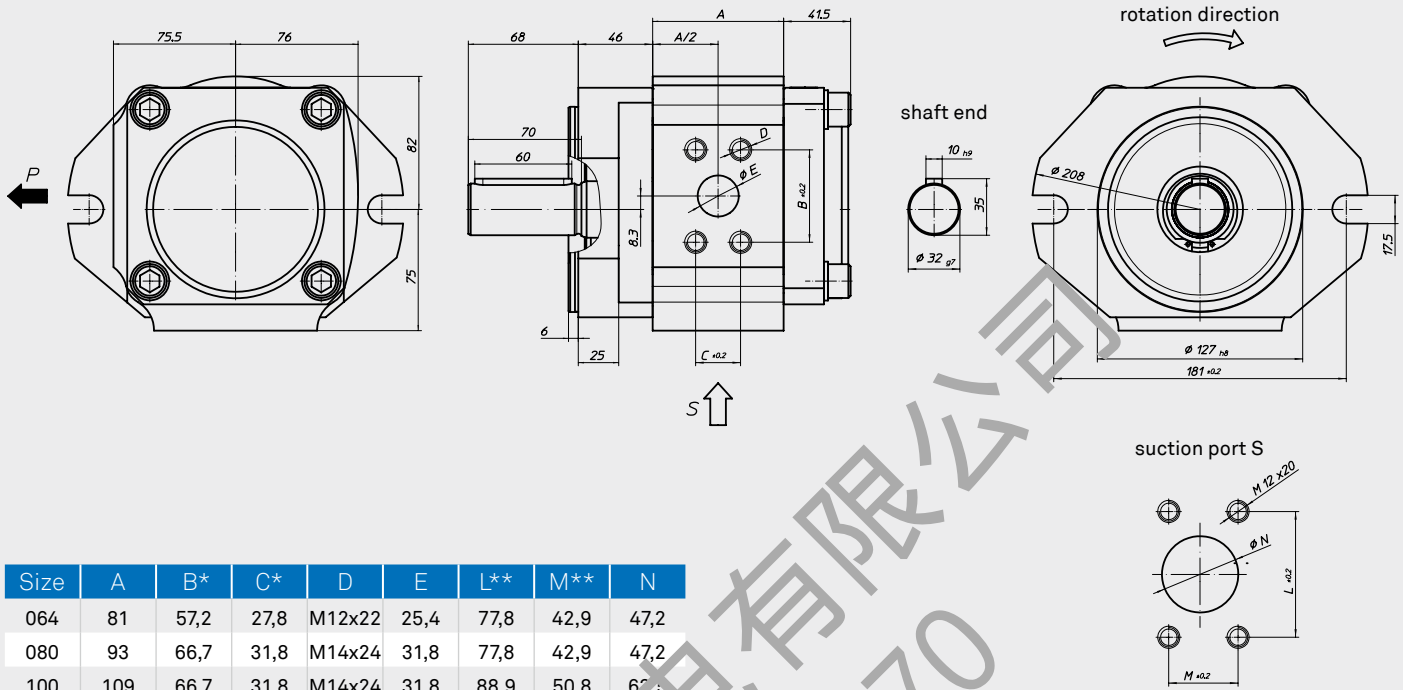
### EIPC3

| Size | A     | B    | C    | E  |
|------|-------|------|------|----|
| 020  | 97,9  | 47,5 | 22   | 18 |
| 025  | 104,4 | 47,5 | 22   | 18 |
| 032  | 114,4 | 47,5 | 22   | 18 |
| 040  | 125,4 | 52,4 | 26,2 | 20 |
| 050  | 139,4 | 52,4 | 26,2 | 20 |

The single pumps of a multiple pump assembly are internally connected, even if you connect to the pump inlet. It is therefore no operating with different fluids possible.

Pump with SAE-C-2-hole flange and cylindrical shaft

Order example: EIPC5-\_\_\_RA23-1X

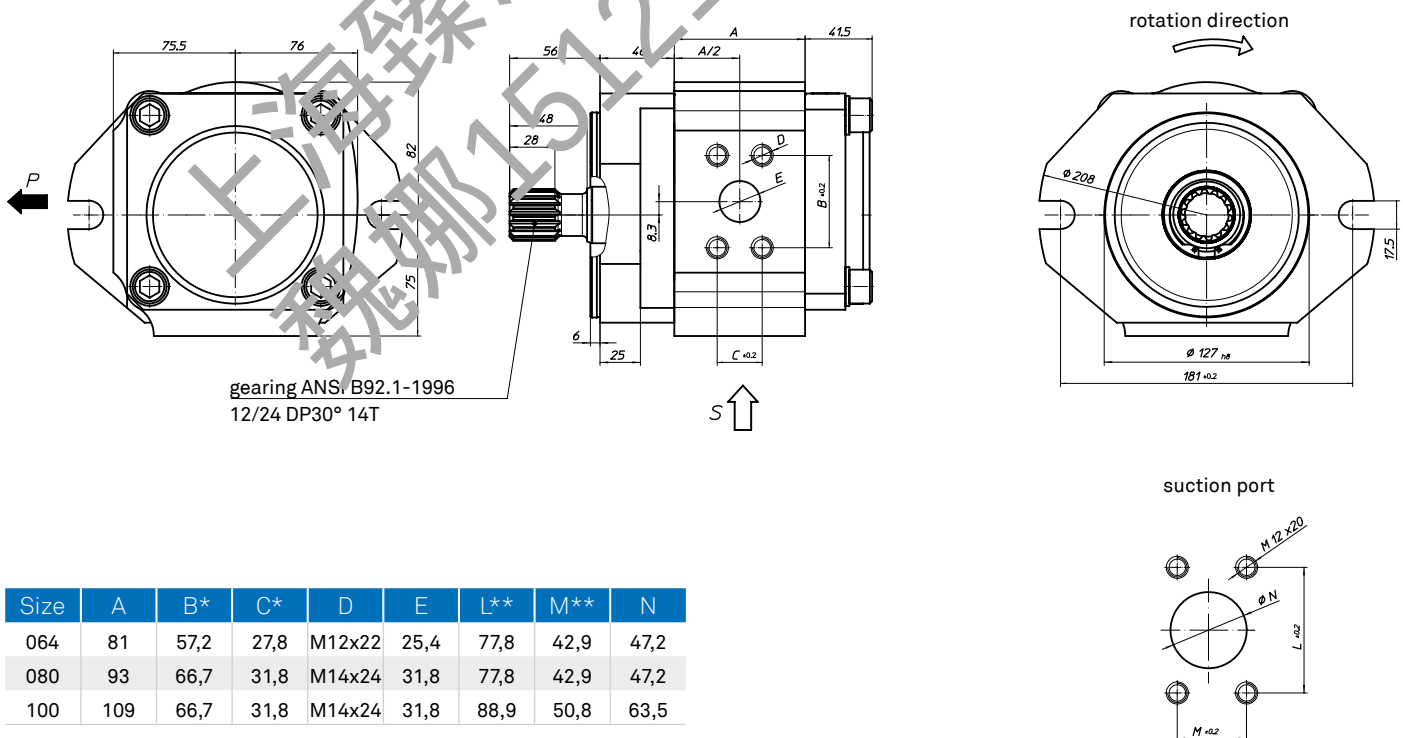


\* Pressure port: SAE J518, high pressure series (code 62)

\*\* Suction port: SAE J518, standard pressure series (code 61)

Pump with SAE-C-2-hole flange and spline shaft

Order example: EIPC5-\_\_\_RB23-1X

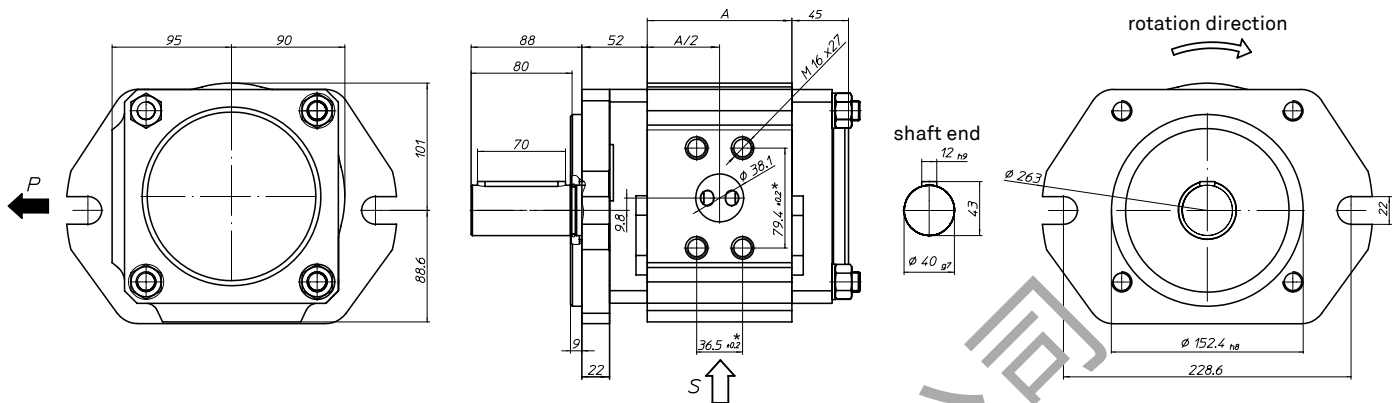


\* Pressure port: SAE J518, high pressure series (code 62)

\*\* Suction port: SAE J518, standard pressure series (code 61)

Pump with SAE-D-2-hole flange and cylindrical shaft

Order example: EIPC6-\_\_\_RA23-1X



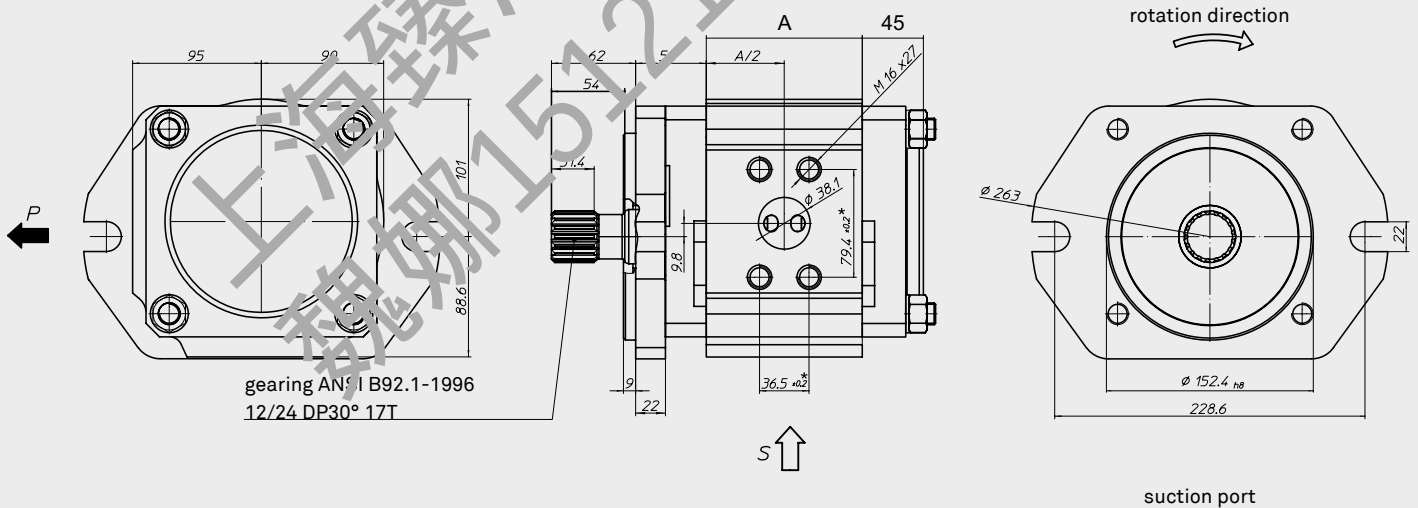
| Size | A   | L**   | M**  | N    | P      |
|------|-----|-------|------|------|--------|
| 125  | 115 | 88,9  | 50,8 | 63,5 | M12x22 |
| 160  | 136 | 106,4 | 61,9 | 76,2 | M16x25 |
| 200  | 161 | 120,7 | 69,9 | 88,9 | M16x25 |
| 250  | 191 | 120,7 | 69,9 | 88,9 | M16x25 |

\* Pressure port: SAE J518, high pressure series (code 62)

\*\* Suction port: SAE J518, standard pressure series (code 61)

Pump with SAE-D-2-hole flange and spline shaft

Order example: EIPC6-\_\_\_RB23-1X



gearing ANSI B92.1-1996  
12/24 DP30° 17T

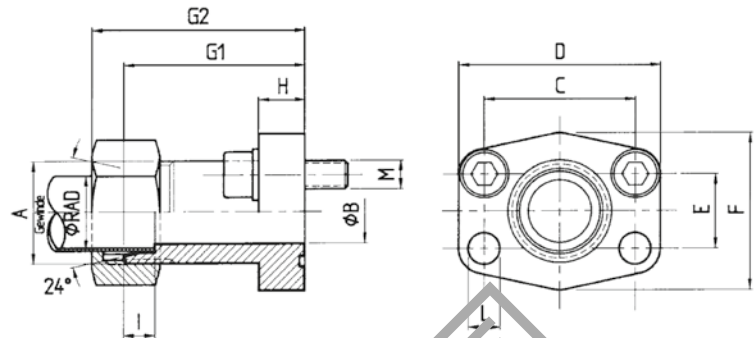
| Size | A   | L**   | M**  | N    | P      |
|------|-----|-------|------|------|--------|
| 125  | 115 | 88,9  | 50,8 | 63,5 | M12x22 |
| 160  | 136 | 106,4 | 61,9 | 76,2 | M16x25 |
| 200  | 161 | 120,7 | 69,9 | 88,9 | M16x25 |
| 250  | 191 | 120,7 | 69,9 | 88,9 | M16x25 |

\* Pressure port: SAE J518, high pressure series (code 62)

\*\* Suction port: SAE J518, standard pressure series (code 61)

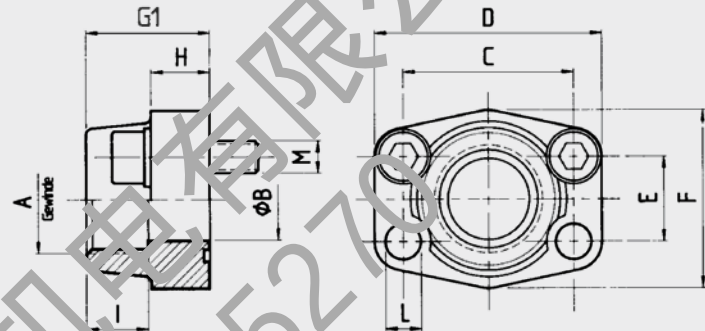
SAE flange metric tapped

Version a



SAE pipe threaded flange

Version b



| Nr. | Article number | Type               | mm max | AD | A       | C  | D     | E   | F     | G1  | G2 | H  | I  | L    | M           |
|-----|----------------|--------------------|--------|----|---------|----|-------|-----|-------|-----|----|----|----|------|-------------|
| 1a  | 07 07 04 0030  | AD15-SAE12M22x15   | 315    | 15 | M22x15  | 12 | 38,1  | 54  | 17,48 | 46  | 52 | 60 | 13 | 7    | 9 M8x25     |
| 1b  | 07 07 04 0026  | EFG1/2-SAE12       | 350    |    | G1 1/2" | 13 | 38,1  | 54  | 17,48 | 46  | 36 |    | 19 | 19   | 9 M8x30     |
| 2a  | 07 07 04 0031  | AD22-SAE34M30x2    | 160    | 22 | M30x2   | 19 | 47,63 | 65  | 22,23 | 50  | 60 | 69 | 14 | 7,5  | 11,5 M10x30 |
| 2b  | 07 07 04 0027  | EFG3/4-SAE34       | 350    |    | G3/4"   | 19 | 47,63 | 65  | 22,23 | 50  | 36 |    | 18 | 19   | 11 M10x35   |
| 3a  | 07 07 04 0032  | AD28-SAE100M36x2   | 160    | 28 | M36x2   | 24 | 52,37 | 70  | 26,19 | 55  | 63 | 72 | 16 | 7,5  | 11,5 M10x30 |
| 3b  | 07 07 04 0028  | EFG1-SAE100        | 315    |    | G1"     | 25 | 52,37 | 70  | 26,19 | 55  | 38 |    | 18 | 22   | 11 M10x35   |
| 4a  | 07 07 04 0033  | AD35-SAE114M45x2   | 160    | 35 | M45x2   | 29 | 58,72 | 79  | 30,18 | 68  | 65 | 76 | 14 | 10,5 | 11,5 M10x30 |
| 4b  | 07 07 04 0029  | EFG1 1/4-SAE114    | 250    |    | G1 1/4" | 32 | 58,72 | 79  | 30,18 | 68  | 41 |    | 21 | 22   | 11,5 M10x40 |
| 5a  | 07 07 04 0037  | AD42-SAE112M52x2   | 160    | 42 | M52x2   | 36 | 69,85 | 94  | 35,71 | 78  | 70 | 82 | 16 | 11   | 13,5 M12x35 |
| 5b  | 07 07 04 0034  | EFG1 1/2-SAE112    | 200    |    | G1 1/2" | 38 | 69,85 | 94  | 35,71 | 78  | 45 |    | 25 | 24   | 13,5 M12x45 |
| 6b  | 07 07 04 0036  | EFG2-SAE200        | 200    |    | G2"     | 51 | 77,77 | 102 | 42,88 | 90  | 45 |    | 25 | 30   | 13,5 M12x45 |
| 7b  | 07 07 04 0041  | EFG2 1/2-SAE212    | 160    |    | G2 1/2" | 63 | 88,9  | 114 | 50,8  | 105 | 50 |    | 25 | 30   | 13,5 M12x45 |
| 8a  | 07 07 04 0042  | AD30-SAE100M42x2HD | 400    | 30 | M42x2   | 25 | 57,2  | 81  | 27,8  | 70  | 82 | 95 | 24 | 13,5 | 13 M12x45   |
| 9a  | 07 07 04 0043  | AF6-404M/S38M      | 400    | 38 | M52x2   | 29 | 66,6  | 95  | 31,8  | 78  | 92 |    | 27 | 16   | 15 M14x50   |
| 10b | 07 07 04 0050  | EFG3-SAE300-C      | 160    |    | G3"     | 73 | 106,4 | 134 | 61,9  | 116 | 50 |    | 27 | 38   | 17,5 M16x50 |

Summary of SAE Pressure- and Suction flange SAE J518C, ISO 6162

| Type          | Inlet  | Nr. | Version |   | Outlet   | Nr. | Version |   |
|---------------|--------|-----|---------|---|----------|-----|---------|---|
|               |        |     | a       | b |          |     | a       | b |
| EIPC3-020-032 | 1 1/4" | 4   | •       | • | 3/4"     | 2   | •       | • |
| EIPC3-040-064 | 1 1/4" | 4   | •       | • | 1"       | 3   | •       | • |
| EIPC3-040-064 | 2"     | 6   |         | • | 1"       | 3   | •       | • |
| EIPC5-064     | 2"     | 6   |         | • | 1"*      | 8   | •       |   |
| EIPC5-080     | 2"     | 6   |         | • | 1 1/4"*  | 9   | •       |   |
| EIPC5-100     | 2 1/2" | 7   |         | • | 1 1/4"*  | 9   | •       |   |
| EIPC6-125     | 2 1/2" | 7   |         | • | 1 1/2"   |     | •       | • |
| EIPC6-160     | 3"     | 10  |         | • | 1 1/2" * |     | •       | • |
| EIPC6-200     | 3 1/2" |     | •       | • | 1 1/2"*  |     | •       | • |
| EIPC6-250     | 3 1/2" |     | •       | • | 1 1/2"*  |     | •       | • |

\* High pressure range

1) EIPC3-063 not available with 1 1/4" suction flange

2) Pumps with enlarged suction ports

Suction flange for Intermediate housing

| Type                  | Inlet  | Nr. | Version |   |
|-----------------------|--------|-----|---------|---|
|                       |        |     | a       | b |
| EIPC3/3 till size 032 | 1 1/2" | 5   | •       | • |
| EIPC3/3 from size 040 | 2"     | 6   |         | • |

• = available    • = on request

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EIP C3 - 016 RK23 - 1X SXXX

- Special version number  
(not applicable with standard pumps or when the type key is unambiguous)
- Revision code  
1st number: Change of mounting dimensions  
2nd number: Change of pump with same mounting dimensions
- Intake and outlet connection  
3: According to SAE J 518  
6: According to SAE J 518 for enlarged suction port for speed controlled drive applications  
0: suction port closed; common inlet  
- other flanges on request -
- Fastening flange  
2: SAE/P 2-hole flange, centring collar Ø 101,6 / at EIPC3  
2: SAE/C 2-hole flange, centring collar Ø 127 / at EIPC5  
2: SAE/B 2-hole flange, centring collar Ø 152,4 / at EIPC6  
3: Direct fixture  
- VDI A on request  
- other flanges on request -
- Shaft end  
A: Cylindrical  
K: Cylindrical with spigot  
B: SAE gear  
L: SAE gear with spigot  
P: Spigot tooth system on both sides  
(Spigot = add-on facility for additional pumps to create multiple-flow pumps)
- Rotation direction  
R: Clockwise (S: CW size 5/3 | T: CW size 5/2)  
L: Anticlockwise
- Rated size  
Three digits
- Overall size  
3, 5 or 6
- Type  
C: Industrial pump with aluminium housing  
Eckerle internal gear pump

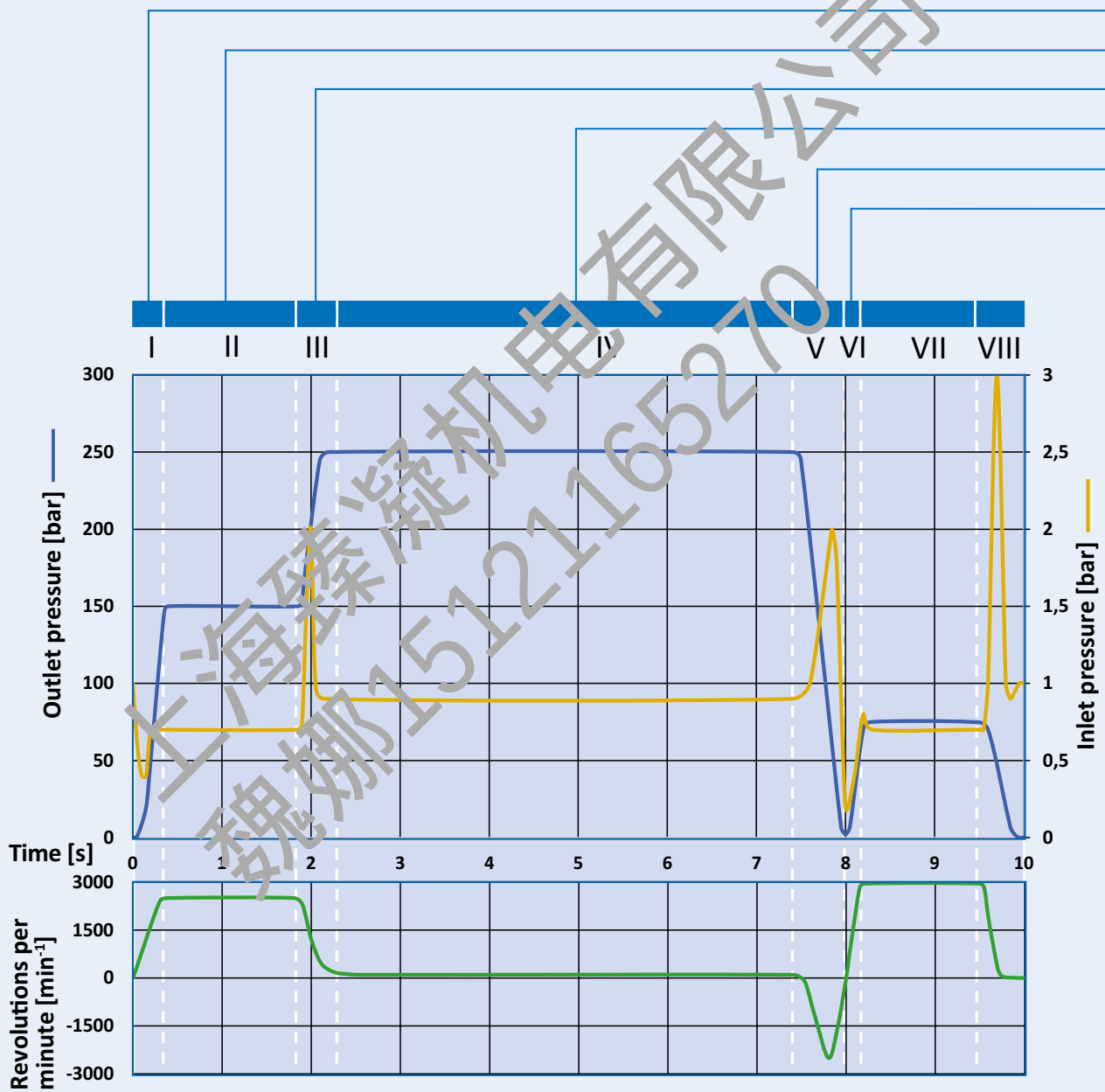
### Order example

EIPC3-032 RK23-1X

for industrial applications  
overall size 3 with 32.1 cm³/U  
clockwise rotation  
cylindrical shaft with cone  
SAE/B-2-hole flange  
SAE flange connection  
revision code 1X

As a matter of principle, Eckerle internal gear pumps are eminently suited for variable speed operation. Even at low viscosities and high temperatures of the pumping medium, the pumps run extremely energy efficiently and highly dynamically over a wide speed range due to the radial and axial gap compensation.

However, with variable speed operation certain boundary conditions should be observed. The exemplary cycle shown below illustrates this clearly.



**I. Start:**

Eckerle internal gear pumps are able to build up pressure from standstill. This happens smoothly when the pump starts from an unpressurized state. Please talk to Eckerle, if due to the system design the pump is pressurized at standstill.

**II. + VII. Pump operation:**

Eckerle internal gear pumps are capable of providing a speed-dependent volumetric flow at any pressure level during pump operation. However, application limits for the respective sizes must be observed.<sup>2)</sup>

**III. + VIII. Deceleration:**

With Eckerle internal gear pumps very high decelerations can be achieved. It must be ensured though that time-dependent pressure peaks can develop within the suction side. These should not exceed the maximum permissible inlet pressure.<sup>2) 3)</sup>

**IV. Pressure Holding Operation:**

Eckerle internal gear pumps are able to build up high pressures even at very low speeds due to the gap compensation. Hold pressure operation is thus extremely energy-efficient. Pump operation should follow after the hold pressure operation to flush out the pump.

**V. Reverse operation:**

Eckerle internal gear pumps are usually able to run highly dynamically in the opposite direction of rotation in order to lower pressure peaks, or by means of a hydraulic motor. However, it must be ensured that the output pressure is always higher than the input pressure.<sup>1) 3)</sup>

**VI. Acceleration:**

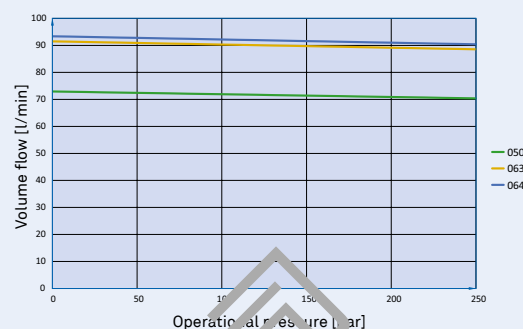
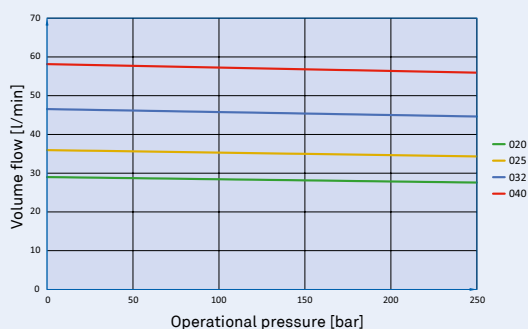
With Eckerle internal gear pumps very large speed-ups can be run. These are limited by inlet pressure, geometry of the suction line and viscosity. However, these may not drop below the specified minimum inlet pressure of the series.<sup>1) 3)</sup>

1) See Characteristics

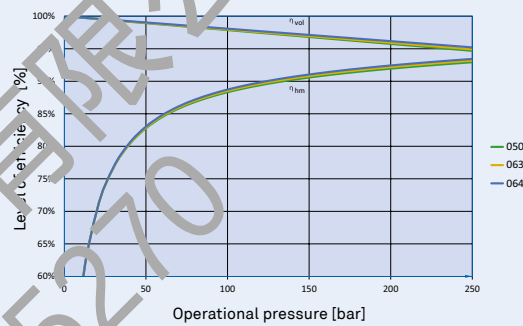
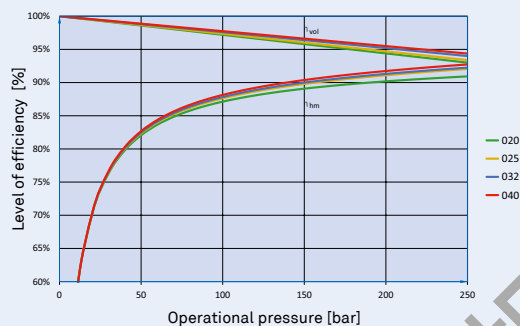
2) See Technical data

3) To avoid critical operating points, we recommend taking measurements of the pump's inlet and outlet pressure near the pump with a scanning rate of at least 1 kHz when a new pump cycle starts.

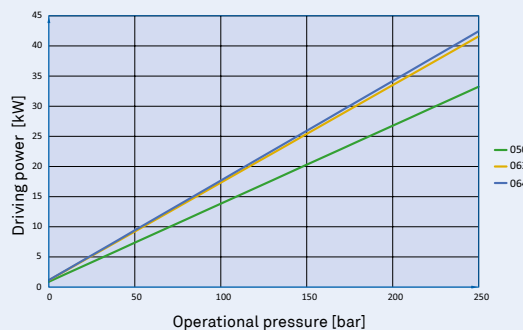
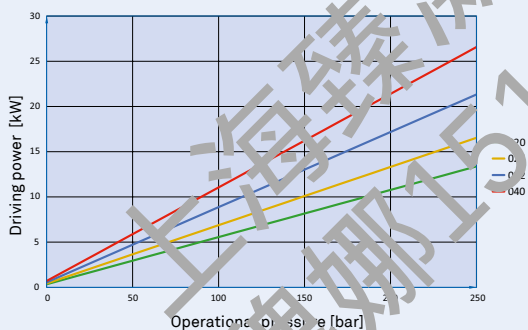
#### Volume flow



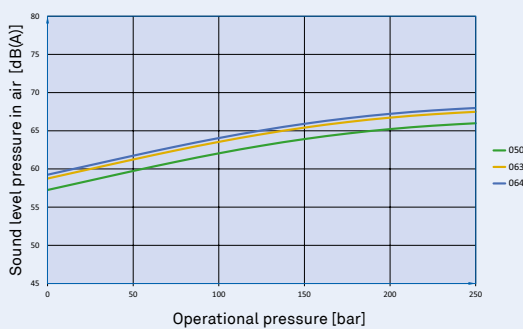
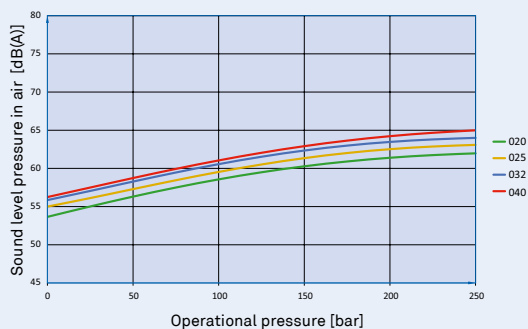
#### Level of efficiency



#### Driving power

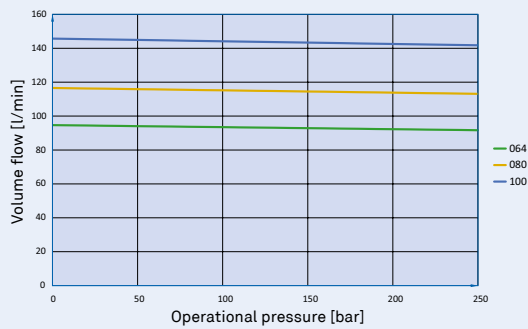


#### Sound level pressure in air

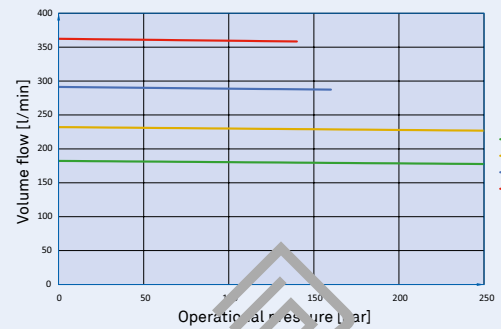


Measurement conditions: Speed 1450 rpm, viscosity 46 mm<sup>2</sup>/sec., operating temperature 40 °C, Sound pressure measured in low-reflection anechoic room in accordance with DIN 45 635 sheet 26; Microphone distance 1.0 m axial.

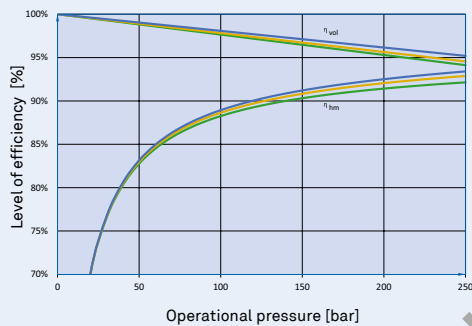
Volume flow



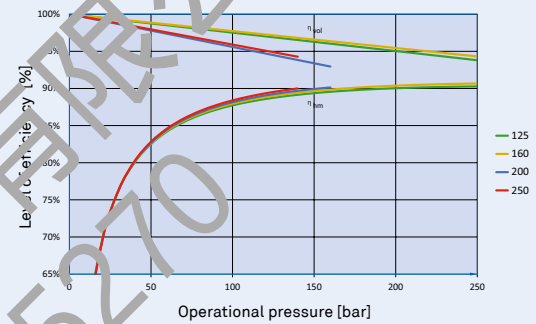
Volume flow



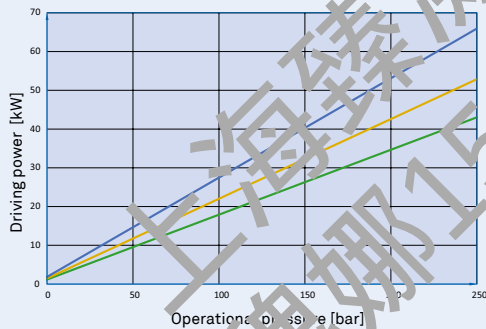
Level of efficiency



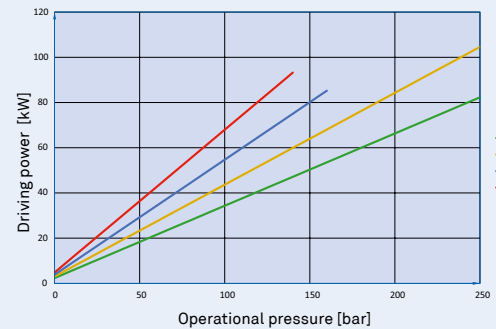
Level of efficiency



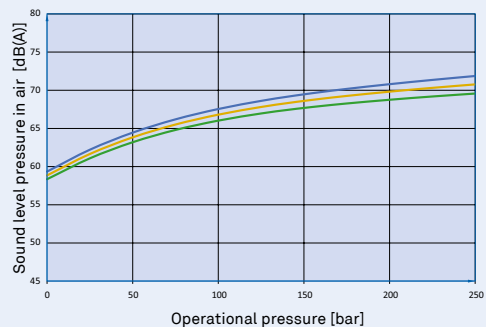
Driving power



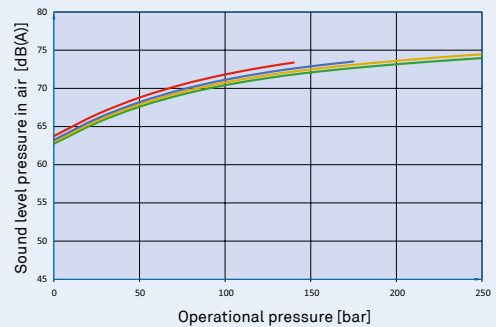
Driving power



Sound level pressure in air



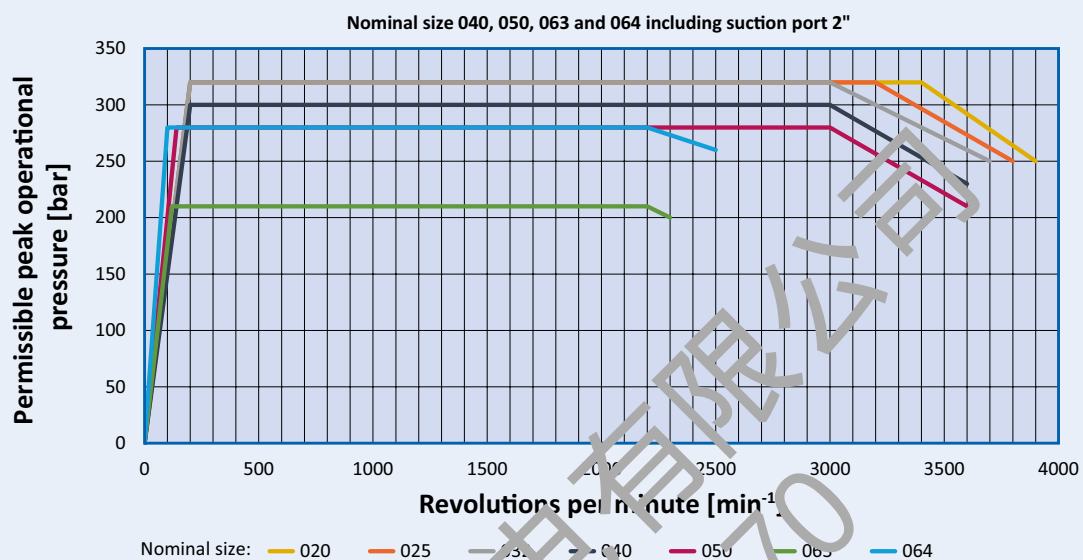
Sound level pressure in air



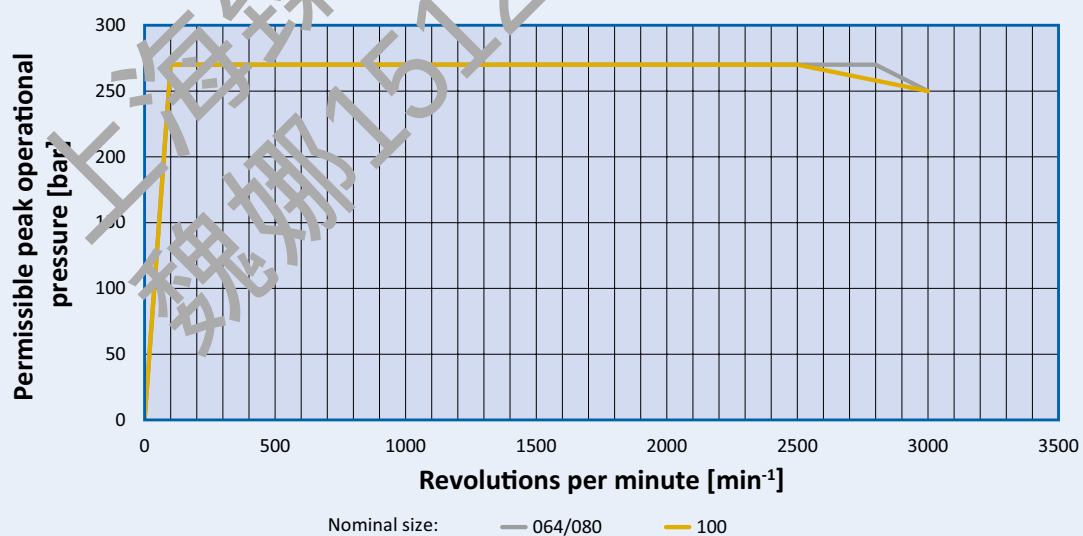
Measurement conditions: Speed 1450 rpm, viscosity 46 mm<sup>2</sup>/sec., operating temperature 40 °C, Sound pressure measured in low-reflection anechoic room in accordance with DIN 45 635 sheet 26; Microphone distance 1.0 m axial.

Permissible peak operational pressure dependent on speed

EIPC3

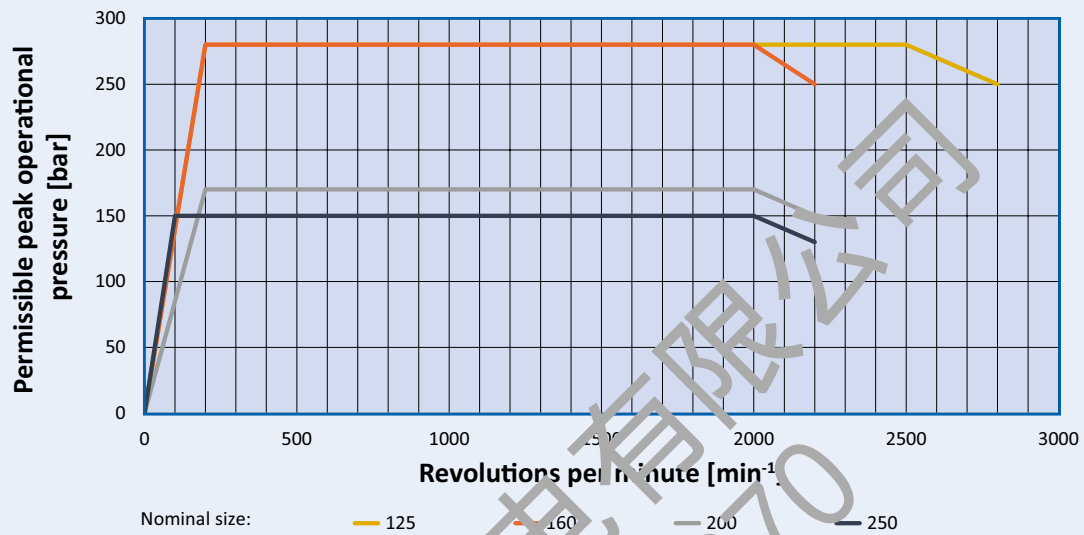


EIPC5



Peak operating pressures are permitted for a maximum of 10 seconds or 15% of the duty cycle

EIPC6





For further information please visit:  
[eckerle.com](http://eckerle.com)

All indicated data serve alone the product description and are not as characteristics in the legal sense to be understood. Subject to variations.

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