



# Denison Hydraulikpumpen Industrierausführung

T7/T67/T6 Flügelzellentechnologie

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
**hydraulics**  
pneumatics  
process control  
sealing & shielding



ENGINEERING YOUR SUCCESS.

Doppel- und Dreifachpumpen : Drehzahlen, Drücke T7/T67/T6C

| Baureihe   | Hubring   | Geometrisches Fördervolumen Vgeom.<br>cm³/U | Drehzahl min.<br>min <sup>-1</sup> | Drehzahl max. <sup>3)</sup> |                    | Betriebsdruck max.   |                      |                   |                |                   |                |      |     |                    |      |     |     |
|--|---|---|------------------------------------|-----------------------------|--------------------|----------------------|----------------------|-------------------|----------------|-------------------|----------------|------|-----|--------------------|------|-----|-----|
|  |   |   |                                    | HF-0, HF-1<br>HF-2          | HF-3, HF-4<br>HF-5 | HF-0, HF-2           |                      | HF-1, HF-4, HF-5  |                | HF-3              |                |      |     |                    |      |     |     |
|  |   |   |                                    | min <sup>-1</sup>           | min <sup>-1</sup>  | Kurzzeitig<br>bar    | Dauernd<br>bar       | Kurzzeitig<br>bar | Dauernd<br>bar | Kurzzeitig<br>bar | Dauernd<br>bar |      |     |                    |      |     |     |
| T7BB/S<br>T67CB<br>T7DB/S<br>T7EB/S<br>T7DDB/S<br>T7DCB/S<br>T7DDB/S<br>T7EDB/S                                  | B02   | 5,8   | 600                                | 2200 <sup>2)</sup>          | 1800               | Andere Pumpen<br>300 | Andere Pumpen<br>275 | 240               | 210            | 175               | 140            |      |     |                    |      |     |     |
|  | B03   | 9,8   |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B04   | 12,8  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B05   | 15,9  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B06   | 19,8  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B07   | 22,5  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B08   | 24,9  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B09   | 28,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B10   | 31,8  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B11   | 35,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B12   | 41,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B14   | 45,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B15   | 50,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  |   |   |                                    |                             |                    |                      |                      |                   |                |                   |                | 280  | 240 |                    |      |     |     |
|  | T6CC<br>T67CB<br>T67DC<br>T67EC<br>T7DCB/S<br>T7DCC/S<br>T67DDCS<br>T67EDC/S<br>T7EEC/S | 003   |                                    |                             |                    |                      |                      |                   |                |                   |                | 10,8 | 600 | 2200 <sup>2)</sup> | 1800 | 275 | 240 |
| 005  |   | 17,2  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 006  |   | 21,3  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 008  |   | 26,4  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 010  |   | 34,1  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 012  |   | 37,1  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 014  |   | 46,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 017  |   | 58,3  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 020  |   | 63,8  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 022  |   | 70,3  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 025  |   | 79,3  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 028  |   | 88,8  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 031  |   | 100,0                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  |   | 210   | 160                                |                             | 160                |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| T7DB/S<br>T67DC<br>T7DD/S<br>T7EDS<br>T7DBB/S<br>T7DCB/S<br>T7DCC/S<br>T7ddb/S<br>T67DDCS<br>T7EDB/S<br>T67EDC/S | B14   | 44,0  | 600                                | 2200 <sup>2)</sup>          | 1800               | 300                  | 250                  | 240               | 210            | 175               | 140            |      |     |                    |      |     |     |
|  | B17   | 55,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B20   | 66,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B22   | 70,3  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B24   | 81,1  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B28   | 90,0  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B31   | 99,2  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B35   | 113,4                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B38   | 120,6                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | B42   | 137,5                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 045 <sup>1)</sup>   | 145,7                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 050 <sup>1)</sup>   | 158,0                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  |   |   |                                    |                             |                    |                      |                      |                   |                |                   |                | 280  |     |                    |      |     |     |
|  |   |   |                                    |                             |                    |                      |                      |                   |                |                   |                | 260  | 230 |                    |      |     |     |
|  |   | 240   | 210                                |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  |   | 210   | 160                                |                             |                    | 210                  | 175                  |                   | 160            |                   |                |      |     |                    |      |     |     |
| T7EB/S<br>T67EC<br>T7EDS<br>T7EE/S<br>T7EEC/S<br>T67EDB/S<br>T67EDC/S  | 042   | 132,3                                       | 600                                | 2200 <sup>2)</sup>          | 1800               | 240                  | 210                  | 210               | 175            | 175               | 140            |      |     |                    |      |     |     |
|  | 045   | 142,4                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 050   | 158,5                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 052   | 164,8                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 054   | 171,0                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 057   | 183,3                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 062   | 196,7                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 066   | 213,3                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  | 072   | 227,1                                       |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
| 085  | 268,7   |   |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  |   | 2000  |                                    |                             |                    |                      |                      |                   |                |                   |                |      |     |                    |      |     |     |
|  |   | 90  | 75                                 |                             |                    | 75                   | 75                   |                   | 75             | 75                |                |      |     |                    |      |     |     |

HF-0, HF-2 = H-LP Mineralöle - HF-1 = H-L Mineralöle - HF-3 = Invertierte Emulsionen

HF-4 = Wasserglykole - HF-5 = Synthetische Flüssigkeiten

<sup>1)</sup> Für Betriebsdrücke über 300 bar wenden Sie sich bitte an Parker.

<sup>2)</sup> Für höhere Drehzahlen setzen Sie sich bitte mit Parker in Verbindung.

<sup>3)</sup> Sicherstellen, dass die Einflusgeschwindigkeit unter 1,9 m/sek beträgt (siehe S. 12, Überprüfungen vor Inbetriebnahme).

Wenn Sie weitere Informationen wünschen, oder die oben angegebenen Daten Ihre Anforderungen nicht erfüllen, setzen Sie sich bitte mit Ihrer örtlichen Parker-Vertretung in Verbindung.



Zulässiger Mindesteinlaßdruck (bar absolut)

| Pumpeneinsatz |         | Drehzahl min <sup>-1</sup> |      |      |      |      |      |      |      |      |      | Hubring |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|---------------|---------|----------------------------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|
| Größe         | Hubring | 1200                       | 1500 | 1800 | 2100 | 2200 | 2300 | 2500 | 2800 | 3000 | 3600 |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
| AS            | B06     | 0,80                       | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80    | B06  |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B10     |                            |      |      |      |      |      |      |      |      |      |         |      | 0,80 | B10  |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B11     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      | 0,88 | B11  |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B13     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      | B13  |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B17     |                            |      |      |      |      |      |      |      |      |      |         |      | B17  |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B20     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      | B20  |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B22     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      | B22  |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
| B25           | 0,85    | B25                        |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
| ASW           | B26     |                            | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80    | B26  |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B28     |                            |      |      |      |      |      |      |      |      |      |         |      |      | 0,88 | B28  |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B30     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      | B30  |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B32     |                            |      |      |      |      |      |      |      |      |      |         |      | B32  |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B34     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      | B34  |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B36     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      | B36  |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
| B40           | 1,00    | B40                        |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
| B             | B02     |                            | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80    | 0,80 |      | B02  |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B03     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      | 0,82 | B03  |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B04     |                            |      |      |      |      |      |      |      |      |      |         |      | 0,98 |      |      |      |      |      | B04  |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B05     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      | 1,05 |      |      | B05 |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B06     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      | 1,15 |      |     | B06  |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B07     | 0,90                       | B07  |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B08     |                            |      | 1,13 | B08  |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B09     |                            |      |      |      | 1,13 | B09  |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B10     |                            |      |      |      |      |      | 1,13 | B10  |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B11     |                            |      |      |      |      |      |      |      | 1,13 | B11  |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B12     | 1,13                       | B12  |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B14     |                            |      | 1,13 | B14  |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | B15     |                            |      |      |      | 1,13 | B15  |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
| C             | 003     |                            |      |      |      |      |      | 0,80 | 0,80 |      |      | 0,80    | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 003 |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 005     |                            |      |      |      |      |      |      |      | 0,80 | 0,80 |         |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 005 |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 006     | 0,80                       | 0,80 |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 006 |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 008     |                            |      | 0,80 | 0,80 |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 008 |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 010     |                            |      |      |      | 0,80 | 0,80 |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 010 |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 012     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 012 |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 014     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 014 |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 017     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 017 |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 020     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 020 |      |      |      |      |      |      |      |      |      |      |      |     |
|               | 022     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 022 |
|               | 028     |                            |      |      |      |      |      |      |      |      |      |         |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |
| 031           | 0,80    |                            |      |      |      |      |      | 0,80 | 0,80 |      |      | 0,80    | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 031  |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |     |

Eingangsdruck gemessen am Eingangsflansch mit Mineralöl einer Viskosität von 10 bis 65 cSt. Die Differenz zwischen Eingangsdruck am Pumpenflansch und dem atmosphärischen Druck darf höchstens 0,2 bar betragen, damit keine Luft angesaugt wird.

Bei Betriebsmedien der Klasse HF-3 und HF-4 ist der absolute Druck mit dem Faktor 1,25 zu multiplizieren.

mit Faktor 1,35 für HF-5-Medien.

mit Faktor 1,10 für Ester oder Rapsöl.

Für Doppel- und Dreifachpumpen ist der Einsatz zu wählen, der den höchsten absoluten Druck fordert.

|              | Befestigungsnorm                     | Masse ohne Steckverbinder und Träger - kg | Trägheitsmoment Kgm <sup>2</sup> x 10 <sup>-4</sup> | SAE 4-Loch Flansche - J518 - ISO/DIS6162-1 |   |              |
|--------------|--------------------------------------|---|---|--|---|--------------|
|              |                                      |   |   | Sauganschluß                               | Druckanschluß                           |              |
|              |                                      |   |   | S  | P                                       |              |
| T7AS         | SAE J744<br>SAE A                    | 9,5                                       | 2,6   | 1"-SAE 4-Loch<br>J518-ISO/DIS 6162-1       | 3/4"-SAE 4-Loch<br>J518-ISO/DIS 6162-1  |              |
|              |                                      |   |   | SAE 16-SAE Gewinde<br>1.5/16"-12 UNF-2B    | SAE 12-SAE Gewinde<br>1.1/16"-12 UNF-2B |              |
|              |                                      |   |   | NPTF Gewinde<br>1.1/4" NPTF                | NPTF Gewinde<br>3/4" NPTF               |              |
|              |                                      |   |   | 1" BSPP Gewinde                            | 3/4" BSPP Gewinde                       |              |
| T7ASW        | SAE J744<br>SAE A                    | 11,3                                      | 3,2   | 1.1/4"-SAE 4-Loch<br>J518-ISO/DIS 6162-1   | 3/4"-SAE 4-Loch<br>J518-ISO/DIS 6162-1  |              |
|              |                                      |   |   | SAE 20-SAE Gewinde<br>1.5/8"-12 UNF-2B     | SAE 12-SAE Gewinde<br>1.1/16"-12 UNF-2B |              |
|              |                                      |   |   | NPTF Gewinde<br>1.1/4" NPTF                | SAE 12-SAE Gewinde<br>1.1/16"-12 UNF-2B |              |
|              |                                      |   |   | 1.1/4" BSPP Gewinde                        | 3/4" BSPP Gewinde                       |              |
| T7B          | ISO 3019-2<br>100 A2 HW              | 23,0                                      | 3,2   | 1.1/2"                                     | 1" oder 3/4"                            |              |
| T7BS         | SAE J744<br>SAE B                    |   |   |  |   |              |
| T6C          | SAE J744<br>SAE B                    | 15,7                                      | 7,5   | 1.1/2"                                     | 1"                                      |              |
| T7D          | ISO 3019-2<br>125 A2 HW              | 26,0                                      | 19,6  | 2"   | 1.1/4"                                  |              |
| T7DS         | SAE J744<br>SAE C                    |   |   |  |   |              |
| T7E          | ISO 3019-2<br>125 A2 HW              | 43,3                                      | 62,5  | 3"   | 1.1/2"                                  |              |
| T7ES         | SAE J744<br>SAE C                    |   |   |  |   |              |
|              |                                      |   |   | <b>S</b>                                   | <b>P1</b>                               | <b>P2</b>    |
| T7BB         | ISO 3019-2<br>100 A2 HW              | <b>32,6</b>                               | <b>6,7</b>  | <b>2.1/2"</b>                              | <b>1" oder 3/4"</b>                     | <b>3/4"</b>  |
| <b>T7BBS</b> | <b>SAE J744<br/>SAE B</b>            |   |   |  |   |              |
| T6CC         | SAE J744<br>SAE B                    | 26,0                                      | 16,9  | 2.1/2" oder 3"                             | 1"                                      | 1" oder 3/4" |
| T67CB        | SAE J744<br>SAE B                    | 26,0                                      | 11,4  | 2.1/2"                                     | 1"                                      | 3/4"         |
| T7DB         | ISO 3019-2<br>125 A2 HW              | 38,6                                      | 22,7  | 3"   | 1.1/4"                                  | 1" oder 3/4" |
| T7DBS        | SAE J744<br>SAE C                    |   |   |  |   |              |
| T67DC        | SAE J744<br>SAE C                    | 38,6                                      | 26,3  | 3"   | 1.1/4"                                  | 1" oder 3/4" |
| T7DD         | ISO 3019-2<br>125 A2 HW<br>125 B4 HW | 56,0                                      | 36,3  | 4"   | 1.1/4"                                  | 1.1/4"       |
| T7DDS        | SAE J744<br>SAE C                    |   |   |  |   |              |
| T7EB         | ISO 3019-2<br>125 A2 HW              | 55,0                                      | 65,9  | 3.1/2"                                     | 1.1/2"                                  | 3/4"         |
| T7EBS        | SAE J744<br>SAE C                    |   |   |  |   |              |
| T67EC        | SAE J744<br>SAE C                    | 55,0                                      | 70,8  | 3.1/2"                                     | 1.1/2"                                  | 1"           |
| T7ED         | ISO 3019-2<br>125 A2 HW              | 66,0                                      | 79,7  | 4"   | 1.1/2"                                  | 1.1/4"       |
| T7EDS        | SAE J744<br>SAE C                    |   |   |  |   |              |
| T7EE         | ISO 3019-2<br>250 B4 HW              | 95,0                                      | 97,4  | 4"   | 1.1/2"                                  | 1.1/2"       |
| T7EES        | SAE J744<br>SAE E                    |   |   |  |   |              |

Code: T7BBS-B10-B10-2R00-A1-M0

Typenbezeichnung **T7BB oder T7BBS - B10 - B10 - 1 R 00 - A 1 - M1 - ..**

Baureihe **T7BB - 2-Loch-Flansch**  
nach ISO 3019-2, 100 A2 HW

Baureihe **T7BBS - 2-Loch-Flansch**  
nach SAE B, J744

Hubringe **P1 und P2**

Geometrisches Fördervolumen (cm<sup>3</sup>/U)

- B02 = 5,8    B09 = 28,0
- B03 = 9,8    **B10 = 31,8**
- B04 = 12,8    B11 = 35,0
- B05 = 15,9    B12 = 41,0
- B06 = 19,8    B14 = 45,0
- B07 = 22,5    B15 = 50,0
- B08 = 24,9

Art der Welle **T7BB oder T7BBS**

5 = Paßfederwelle (ISO R775)

Art der Welle **T7BBS**

- 1 = Paßfederwelle (nicht SAE)
- 2 = Paßfederwelle (SAE, BB)**
- 3 = Vielkeilwelle (SAE B) Zähnezah 13
- 4 = Vielkeilwelle (SAE BB) Zähnezah 15

Modifikationen

Gehäuse-Anschlußgröße  
**SAE 4-Loch-Flansch J518**

|           | T7BB- T7BBS        |        | T7BBS       |      |
|-----------|--------------------|--------|-------------|------|
|           | Metrisches Gewinde |        | UNC Gewinde |      |
|           | M0                 | M1     | 00          | 01   |
| <b>P1</b> | 1"                 | 3/4"   | 1"          | 3/4" |
| <b>P2</b> |                    | 3/4"   |             |      |
| <b>S</b>  |                    | 2.1/2" |             |      |

Dichtungsklasse

- 1 = S1 BUNA N - 0,7 bar max. (für Mineralöl)**
- 4 = S4 EPDM - 0,7 bar max. (für schwerentflammare Flüssigkeiten)
- 5 = S5 VITON® - 0,7 bar max. (für Mineralöl und schwerentflammare Flüssigkeiten)

Ausführung

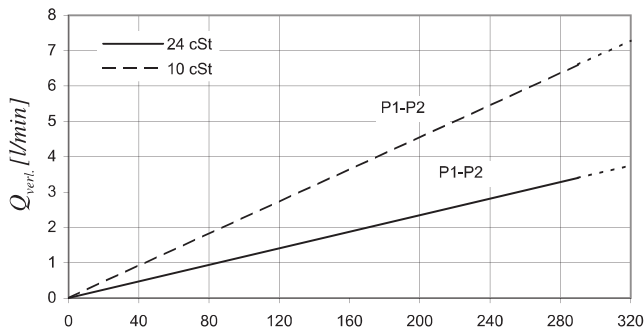
Lage der Anschlüsse (siehe Seite 72)

**00 = standard**

Drehrichtung (auf Wellenende gesehen)

- R = Rechtslauf**
- L = Linkslauf

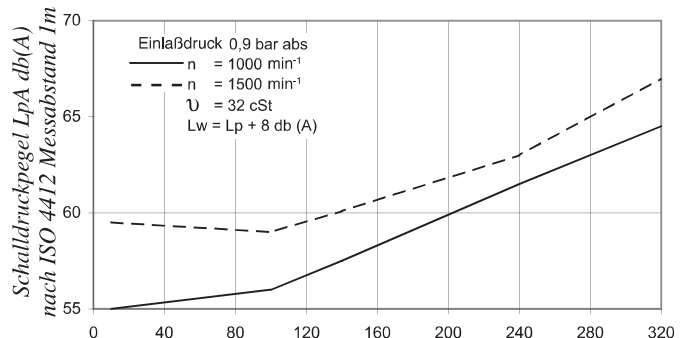
**FÖRDERSTROMVERLUST (TYPISCH)**



Druck p [bar]

Bei  $Q_{verl} > 50\%$  von  $Q_{theor}$  darf der Arbeitszyklus 5s nicht übersteigen. Gesamtverlust aus der Summe beider Hubringe bei jeweiligem Betriebsdruck.

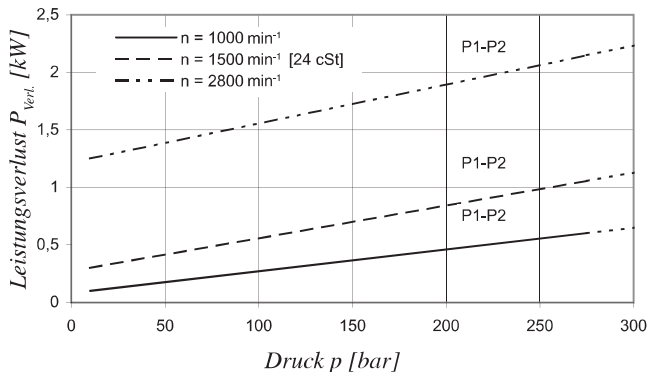
**GERÄUSCHPEGEL (TYPISCH) - T7BB - B10 - B04**



Druck p [bar]

Kurve gilt bei gleichem Druck für P1 und P2.

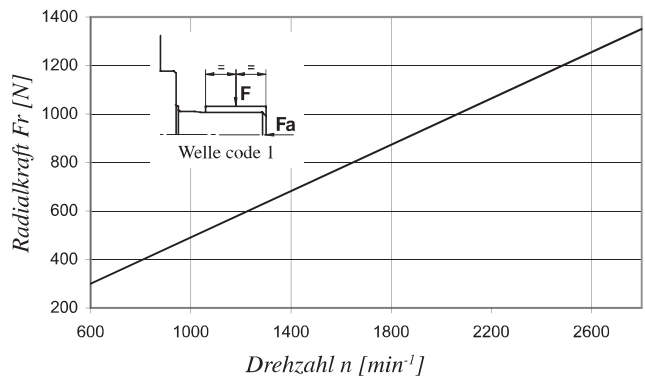
**LEISTUNGSVERLUST HYDRAULISCH-MECHANISCH (TYPISCH)**



Druck p [bar]

Gesamtverlust aus der Summe beider Hubringe bei jeweiligem Betriebsdruck.

**ZULÄSSIGE WELLENBELASTUNG**

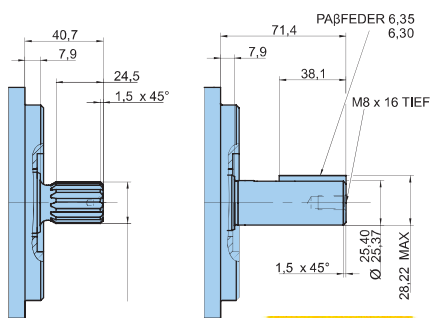


Drehzahl n [min<sup>-1</sup>]

Max. zulässige Axialkraft Fa = 800 N

**T7BB/BBS - Maßzeichnung - Masse : 32,6 kg T7/T67/T6C**

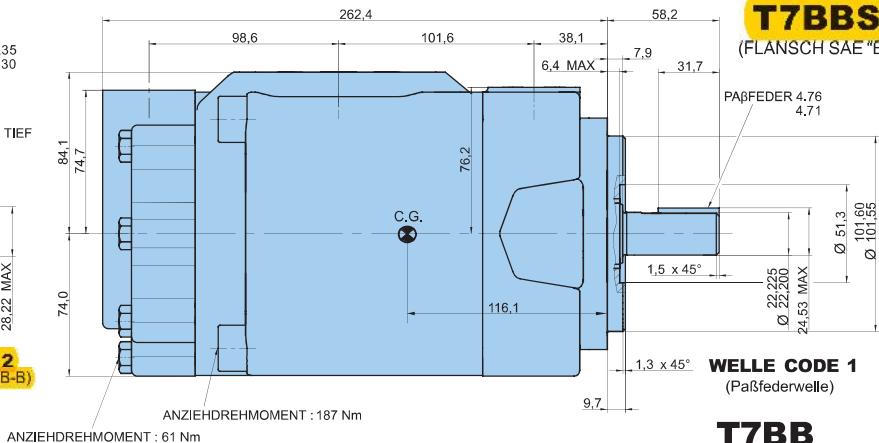
**T7BBS**  
(FLANSCH SAE "B")



**WELLE CODE 3**

Vielkeilwelle mit Evolventenflanken nach SAE B, J498b  
Größe 16/32, Zähnezah 13  
Flankenwinkel 30°  
Flankenzenrtierung  
Passungsklasse 1 (Spielpassung)

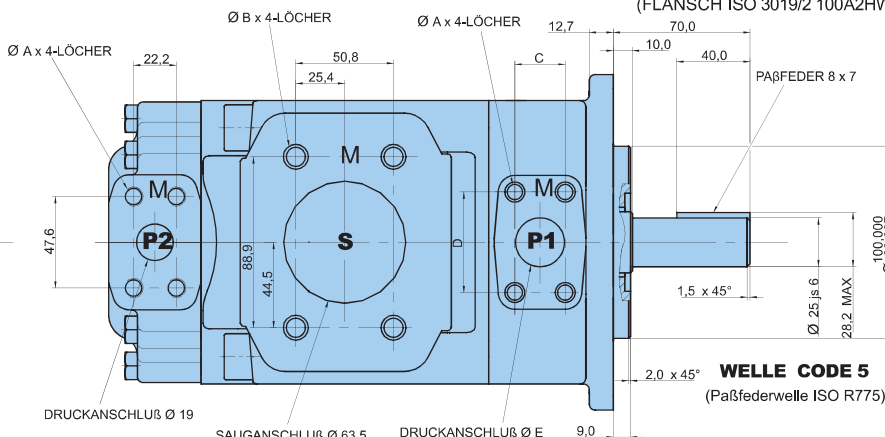
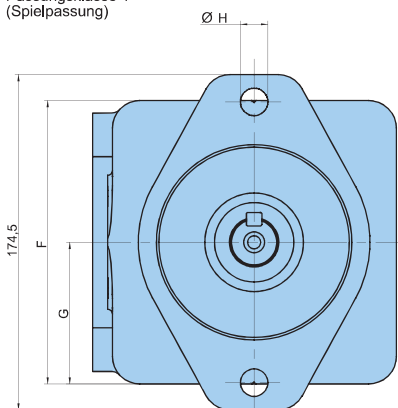
**WELLE CODE 2**  
(Paßfederwelle SAE B-B)



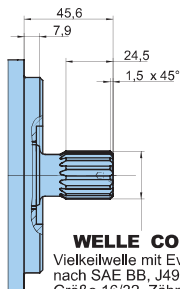
**WELLE CODE 1**  
(Paßfederwelle)

**T7BB**

(FLANSCH ISO 3019/2 100A2HW)



**WELLE CODE 5**  
(Paßfederwelle ISO R775)



**WELLE CODE 4**

Vielkeilwelle mit Evolventenflanken nach SAE BB, J498b  
Größe 16/32, Zähnezah 15  
Flankenwinkel 30°  
Flankenzenrtierung  
Passungsklasse 1 (Spielpassung)

| Grenzantriebsmoment [cm³/U x bar] |                             |
|-----------------------------------|-----------------------------|
| Welle                             | V <sub>geom.</sub> x p max. |
| 1                                 | 14300                       |
| 2                                 | 21420                       |
| 3                                 | 20600                       |
| 4                                 | 32670                       |
| 5                                 | 25300                       |

| Baureihe | T7BB            |       | T7BBS                   |       |
|----------|-----------------|-------|-------------------------|-------|
|          | M0              | M1    | 00                      | 01    |
| Code     | M0              | M1    | 00                      | 01    |
| Ø A      | M10 x 19 tief   |       | 3/8"-16 UNC x 19 tief   |       |
| Ø B      | M12 x 22,4 tief |       | 1/2"-13 UNC x 22,4 tief |       |
| C        | 26,20           | 22,25 | 26,20                   | 22,25 |
| D        | 52,4            | 47,65 | 52,4                    | 47,65 |
| Ø E      | 25,4            | 19,1  | 25,4                    | 19,1  |
| F        | 140             |       | 146                     |       |
| G        | 70              |       | 73                      |       |
| Ø H      | 14,0            |       | 14,3                    |       |

**BETRIEBS - CHARAKTERISTIK - TYPISCH [24 cSt]**

| Druckanschluß | Hubring | Geometrisches Fördervolumen V <sub>geom.</sub> | Förderstrom Q [l/min] bei n = 1500 min <sup>-1</sup> |             |                    | Antriebsleistung P [kW] bei n = 1500 min <sup>-1</sup> |             |                    |
|---------------|---------|--|--|-------------|--------------------|--|-------------|--------------------|
|               |         |  | p = 0 bar  | p = 140 bar | p = 320 bar        | p = 7 bar  | p = 140 bar | p = 320 bar        |
| P1 & P2       | B02     | 5,8 cm³/U                                      | 8,7  | 7,0         | 4,8                | 0,5  | 2,6         | 5,4                |
|               | B03     | 9,8 cm³/U                                      | 14,7   | 13,0        | 10,8               | 0,6  | 4,0         | 8,6                |
|               | B04     | 12,8 cm³/U                                     | 19,2   | 17,5        | 15,3               | 0,6  | 5,0         | 11,0               |
|               | B05     | 15,9 cm³/U                                     | 23,9   | 22,2        | 20,0               | 0,7  | 6,1         | 13,5               |
|               | B06     | 19,8 cm³/U                                     | 29,7   | 28,0        | 25,8               | 0,7  | 7,5         | 16,6               |
|               | B07     | 22,5 cm³/U                                     | 33,7   | 32,0        | 29,9               | 0,8  | 8,5         | 18,8               |
|               | B08     | 24,9 cm³/U                                     | 37,4   | 35,7        | 33,5               | 0,8  | 9,3         | 20,7               |
|               | B09     | 28,0 cm³/U                                     | 42,0   | 40,3        | 38,1               | 0,9  | 10,4        | 23,2               |
|               | B10     | 31,8 cm³/U                                     | 47,7   | 46,0        | 43,8               | 0,9  | 11,7        | 26,2               |
|               | B11     | 35,0 cm³/U                                     | 52,5   | 50,8        | 48,9 <sup>1)</sup> | 1,0  | 12,8        | 27,0 <sup>1)</sup> |
|               | B12     | 41,0 cm³/U                                     | 61,5   | 59,8        | 57,9 <sup>1)</sup> | 1,1  | 14,9        | 31,5 <sup>1)</sup> |
|               | B14     | 45,0 cm³/U                                     | 67,5   | 65,8        | 63,9 <sup>1)</sup> | 1,2  | 16,3        | 34,5 <sup>1)</sup> |
|               | B15     | 50,0 cm³/U                                     | 75,0   | 73,3        | 71,6 <sup>2)</sup> | 1,3  | 18,1        | 35,7 <sup>2)</sup> |

<sup>1)</sup> B11 - B12 - B14 = 300 bar max. kurzzeitig

<sup>2)</sup> B15 = 280 bar max. kurzzeitig



**T7BB/T7BBS**

T6CC

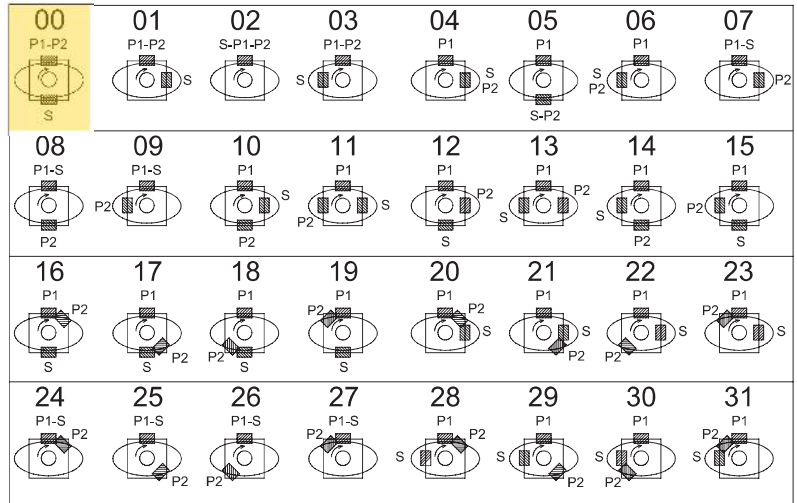
T67CB

T7DB/T7DBS

T67DC

T7EB/T7EBS

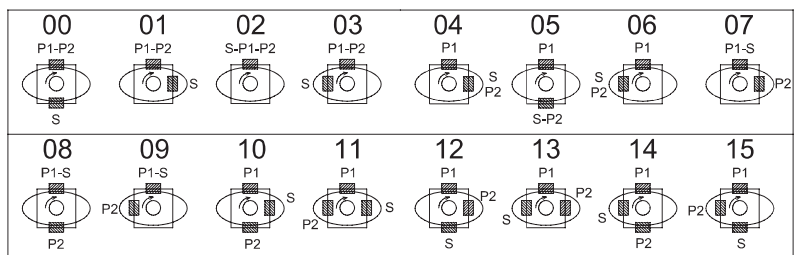
T67EC



**T7DD/T7DDS**

T7ED/T7EDS

T7EE/T7EES



**T7DBB/T7DBBS**

T7DCB/T7DCBS

T7DCC/T7DCCS

T7DBB/T7DBBS

T67DDCS

T7EDB/T7EDBS

T67EDC/T67EDCS

T7EEC/T7EECS

