

| 2 極モータ<br>回転数 3500 RPM |                                     |                          |                         |                          |      |     | 4 極モータ<br>回転数 1750 RPM              |                          |                         |                          |      |     |
|------------------------|-------------------------------------|--------------------------|-------------------------|--------------------------|------|-----|-------------------------------------|--------------------------|-------------------------|--------------------------|------|-----|
| 最大吐出圧                  | 流量<br>(粘度別)                         |                          | 消費電力・軸入力<br>(粘度別)       |                          | モータ  | 重量  | 流量<br>(粘度別)                         |                          | 消費電力・軸入力<br>(粘度別)       |                          | モータ  | 重量  |
|                        | 1<br>mm <sup>2</sup> /s             | 20<br>mm <sup>2</sup> /s | 1<br>mm <sup>2</sup> /s | 20<br>mm <sup>2</sup> /s |      | IE3 | 1<br>mm <sup>2</sup> /s             | 20<br>mm <sup>2</sup> /s | 1<br>mm <sup>2</sup> /s | 20<br>mm <sup>2</sup> /s |      | IE3 |
| 型番 / bar               | l/min                               | l/min                    | kW                      | kW                       | kW   | kg  | l/min                               | l/min                    | kW                      | kW                       | kW   | kg  |
| TFS460                 | Q <sub>Th</sub> <sup>1)</sup> 151.2 |                          | －                       | －                        | －    | －   | Q <sub>Th</sub> <sup>1)</sup> 75.6  |                          | －                       | －                        | －    | －   |
| 10                     | 144                                 | 147                      | 3.3                     | 3.7                      | 5.5  | 87  | 68                                  | 72                       | 1.6                     | 1.6                      | 2.2  | 71  |
| 20                     | 141                                 | 146                      | 5.8                     | 6.4                      | 7.5  | 107 | 65                                  | 70                       | 2.8                     | 2.9                      | 3.7  | 79  |
| 30                     | 138                                 | 144                      | 8.4                     | 9.0                      | 11.0 | 160 | 63                                  | 69                       | 4.1                     | 4.3                      | 5.5  | 93  |
| 40                     | 136                                 | 143                      | 10.9                    | 11.7                     | 15.0 | 175 | 60                                  | 67                       | 5.3                     | 5.6                      | 7.5  | 135 |
| 50                     | 133                                 | 142                      | 13.4                    | 14.4                     | 18.5 | 203 | 57                                  | 66                       | 6.6                     | 7.0                      | 7.5  | 135 |
| 60                     | 131                                 | 140                      | 15.9                    | 17.0                     | 18.5 | 203 | 55                                  | 65                       | 7.9                     | 8.4                      | 11.0 | 187 |
| 70                     | 128                                 | 139                      | 18.4                    | 19.7                     | 22.0 | 278 | 53                                  | 63                       | 9.1                     | 9.7                      | 11.0 | 187 |
| 80                     | 126                                 | 138                      | 21.0                    | 22.3                     | 30.0 | 310 | 50                                  | 62                       | 10.4                    | 11.1                     | 15.0 | 209 |
| 90                     | 124                                 | 137                      | 23.5                    | 25.0                     | 30.0 | 310 | 48                                  | 61                       | 11.6                    | 12.4                     | 15.0 | 209 |
| 100                    | 122                                 | 136                      | 26.0                    | 27.7                     | 30.0 | 310 | 45                                  | 60                       | 12.9                    | 13.8                     | 15.0 | 209 |
| 110                    | 120                                 | 135                      | 28.5                    | 30.3                     | 37.0 | 403 | -                                   | 59                       | -                       | 15.2                     | 18.5 | 223 |
| 120                    | 117                                 | 134                      | 31.1                    | 33.0                     | 37.0 | 403 | -                                   | 58                       | -                       | 16.5                     | 18.5 | 223 |
|                        |                                     |                          |                         |                          |      |     |                                     |                          |                         |                          |      |     |
| TFS480                 | Q <sub>Th</sub> <sup>1)</sup> 201.7 |                          | －                       | －                        | －    | －   | Q <sub>Th</sub> <sup>1)</sup> 100.8 |                          | －                       | －                        | －    | －   |
| 10                     | 192                                 | 197                      | 4.2                     | 4.9                      | 7.5  | 107 | 91                                  | 96                       | 2.0                     | 2.1                      | 3.7  | 79  |
| 20                     | 188                                 | 194                      | 7.5                     | 8.5                      | 11.0 | 160 | 87                                  | 94                       | 3.7                     | 3.9                      | 5.5  | 93  |
| 30                     | 184                                 | 192                      | 10.9                    | 12.1                     | 15.0 | 175 | 84                                  | 91                       | 5.3                     | 5.7                      | 7.5  | 135 |
| 40                     | 181                                 | 190                      | 14.2                    | 15.6                     | 18.5 | 203 | 80                                  | 89                       | 7.0                     | 7.5                      | 11.0 | 187 |
| 50                     | 178                                 | 188                      | 17.6                    | 19.2                     | 22.0 | 278 | 77                                  | 88                       | 8.7                     | 9.3                      | 11.0 | 187 |
| 60                     | 175                                 | 187                      | 21.0                    | 22.8                     | 30.0 | 310 | 74                                  | 86                       | 10.4                    | 11.1                     | 15.0 | 209 |
| 70                     | 172                                 | 185                      | 24.3                    | 26.4                     | 30.0 | 310 | 71                                  | 84                       | 12.1                    | 12.9                     | 15.0 | 209 |
| 80                     | 169                                 | 183                      | 27.7                    | 30.0                     | 37.0 | 403 | 68                                  | 83                       | 13.7                    | 14.7                     | 15.0 | 209 |
| 90                     | 166                                 | 182                      | 31.1                    | 33.6                     | 37.0 | 403 | 65                                  | 81                       | 15.4                    | 16.5                     | 18.5 | 223 |
| 100                    | 164                                 | 181                      | 34.4                    | 37.1                     | 45.0 | 428 | 62                                  | 80                       | 17.1                    | 18.3                     | 18.5 | 223 |
| 110                    | 161                                 | 180                      | 37.8                    | 40.7                     | 45.0 | 428 | -                                   | 79                       | -                       | 20.1                     | 22.0 | 256 |
| 120                    | 158                                 | 179                      | 41.1                    | 44.3                     | 45.0 | 428 | -                                   | 78                       | -                       | 21.9                     | 30.0 | 274 |
|                        |                                     |                          |                         |                          |      |     |                                     |                          |                         |                          |      |     |
| TFS496                 | Q <sub>Th</sub> <sup>1)</sup> 242   |                          | －                       | －                        | －    | －   | Q <sub>Th</sub> <sup>1)</sup> 121   |                          | －                       | －                        | －    | －   |
| 10                     | 231                                 | 235                      | 4.8                     | 5.6                      | 7.5  | 107 | 110                                 | 114                      | 2.3                     | 2.7                      | 3.7  | 79  |
| 20                     | 226                                 | 233                      | 8.9                     | 9.9                      | 11.0 | 160 | 105                                 | 112                      | 4.3                     | 4.8                      | 5.5  | 93  |
| 30                     | 222                                 | 231                      | 12.9                    | 14.2                     | 18.5 | 203 | 101                                 | 110                      | 6.3                     | 7.0                      | 7.5  | 135 |
| 40                     | 218                                 | 229                      | 16.9                    | 18.5                     | 22.0 | 278 | 97                                  | 108                      | 8.4                     | 9.1                      | 11.0 | 187 |
| 50                     | 214                                 | 227                      | 21.0                    | 22.8                     | 30.0 | 310 | 93                                  | 106                      | 10.4                    | 11.3                     | 15.0 | 209 |
| 60                     | 211                                 | 225                      | 25.0                    | 27.1                     | 30.0 | 310 | 90                                  | 104                      | 12.4                    | 13.5                     | 15.0 | 209 |
| 70                     | 207                                 | 224                      | 29.0                    | 31.4                     | 37.0 | 403 | 86                                  | 103                      | 14.4                    | 15.6                     | 18.5 | 223 |
| 80                     | 204                                 | 222                      | 33.1                    | 35.7                     | 37.0 | 403 | 83                                  | 101                      | 16.4                    | 17.8                     | 18.5 | 223 |
| 90                     | 201                                 | 220                      | 37.1                    | 40.0                     | 45.0 | 428 | 79                                  | 99                       | 18.4                    | 19.9                     | 22.0 | 256 |
| 100                    | 198                                 | 219                      | 41.1                    | 44.3                     | 45.0 | 428 | 76                                  | 98                       | 20.5                    | 22.1                     | 30.0 | 274 |
| 110                    | 195                                 | 217                      | 45.2                    | 48.6                     | 55.0 | 483 | -                                   | 96                       | -                       | 24.3                     | 30.0 | 274 |
| 120                    | 191                                 | 215                      | 49.2                    | 52.9                     | 55.0 | 483 | -                                   | 94                       | -                       | 26.4                     | 30.0 | 274 |

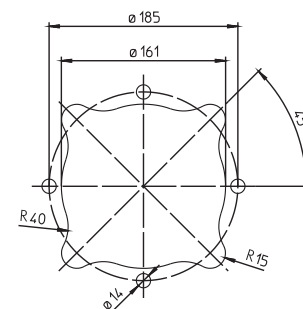
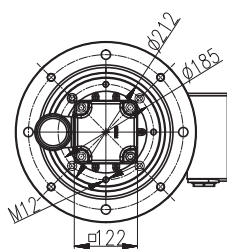
1) Q<sub>Th</sub> : 理論的流量、1 bar ≒ 100 kPa  
 粘度 > 20 mm<sup>2</sup>/s の場合、消費電力が増加します。

## TFS4, FFS4

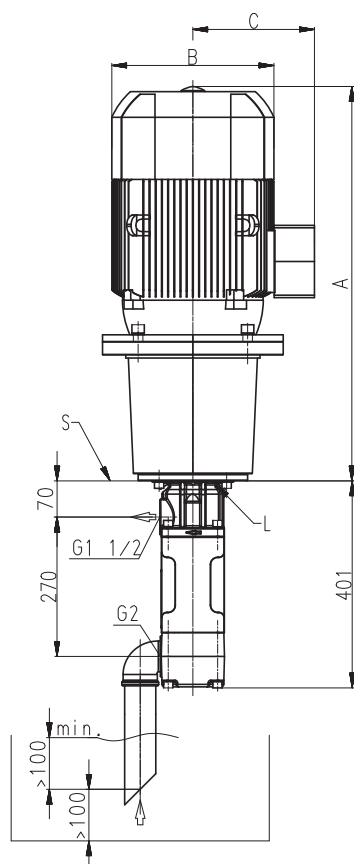
60 Hz

取り付け天板の穴の寸法

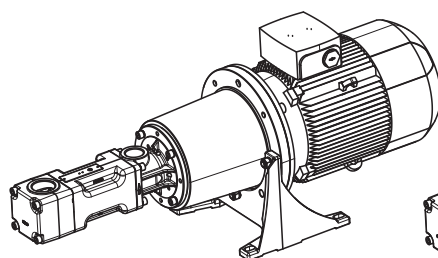
TFS3 / TFS4



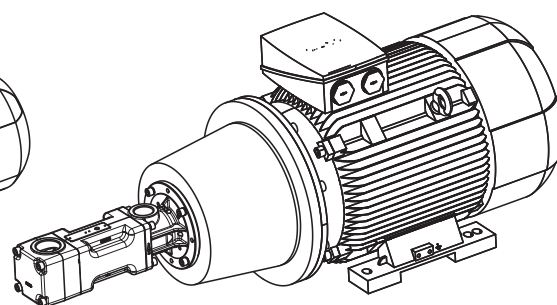
角は ISO2768-m  
に従ってバリ取り  
をして下さい。



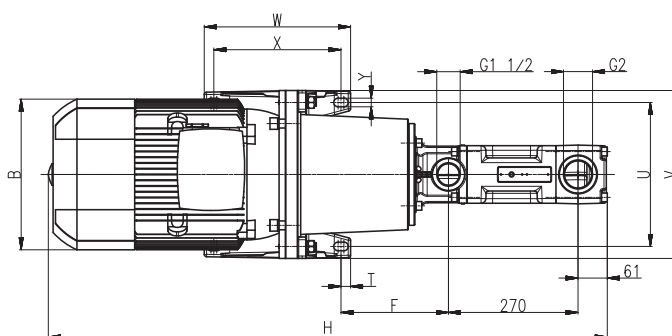
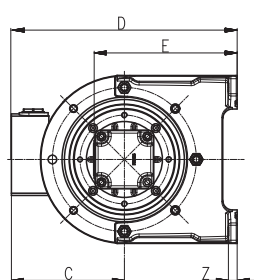
L = 漏れ穴  
S = 取り付け天板。



< 45kW



≥ 45kW



| モータ<br>2極<br>kW | モータ<br>4極<br>kW | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | H<br>mm | T<br>mm | U<br>mm | V<br>mm | W<br>mm | X<br>mm | Y<br>mm | Z<br>mm |
|-----------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| —               | 2.2             | 503     | 202     | 167     | 322     | 218     | 188     | 904     | 37.5    | 215     | 250     | 260     | 185     | 14      | 15      |
| —               | 3.7             | 536     | 235     | 187     | 342     | 218     | 188     | 937     | 37.5    | 215     | 250     | 260     | 185     | 14      | 15      |
| 5.5             | —               | 611     | 235     | 227     | 412     | 248     | 199     | 1012    | 22.5    | 265     | 300     | 270     | 225     | 14      | 18      |
| —               | 5.5             | 594     | 272     | 239     | 424     | 248     | 199     | 995     | 22.5    | 265     | 300     | 270     | 225     | 14      | 18      |
| 7.5             | —               | 634     | 272     | 244     | 429     | 248     | 199     | 1035    | 22.5    | 265     | 300     | 270     | 225     | 14      | 18      |
| —               | 7.5             | 632     | 272     | 239     | 424     | 248     | 199     | 1033    | 22.5    | 265     | 300     | 270     | 225     | 14      | 18      |
| 11.0 / 15.0     | 11.0            | 774     | 319     | 263     | 498     | 298     | 224     | 1175    | 20      | 300     | 350     | 305     | 265     | 18      | 18      |
| —               | 15.0            | 804     | 319     | 261     | 496     | 298     | 224     | 1205    | 20      | 300     | 350     | 305     | 265     | 18      | 18      |
| 18.5            | —               | 804     | 319     | 263     | 498     | 298     | 224     | 1205    | 20      | 300     | 350     | 305     | 265     | 18      | 18      |
| 22.0            | 18.5 / 22.0     | 838     | 410     | 311     | 571     | 323     | 214     | 1239    | 25      | 350     | 400     | 350     | 300     | 18      | 20      |
| 30.0            | —               | 878     | 410     | 377     | 637     | 323     | 214     | 1279    | 25      | 350     | 400     | 350     | 300     | 18      | 20      |
| 37.0 / 45.0     | —               | 966     | 439     | 395     | 690     | 358     | 210     | 1367    | 25      | 400     | 450     | 385     | 335     | 18      | 20      |