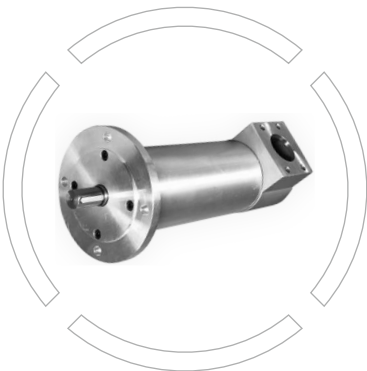


# TMT Series

Screw Pump  
Max. Speed up to 3600 r/min  
Max. flow up to 8000 l/min



| Index                                                 | Page No |
|-------------------------------------------------------|---------|
| • Technical data                                      | 02      |
| • Ordering Code                                       | 02      |
| • Technical Parameters (40bar n=1450rpm 50Hz)         | 03      |
| • Technical Parameters (40bar n=1750rpm 60Hz)         | 05      |
| • Unit Dimensions (Normal shaft pump TGR20~TGR110)    | 07      |
| • Unit Dimensions (Normal shaft pump TGR130~TGR180)   | 08      |
| • Unit Dimensions (Hollow shaft pump TGR20 ~TGR70/AC) | 09      |
| • Component Description                               | 10      |



## Technical data

|                         |                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Models                  | TMT, TMT16B, TMAPI                                                                                                                                                                                      |
| Installation position   | Free for vertical, for horizontal, for submerged                                                                                                                                                        |
| Connection              | G or SAE 3000                                                                                                                                                                                           |
| Drive loading           | No axial or radial loads                                                                                                                                                                                |
| Shaft rotation          | Clockwise (from shaft end) , (suitable also for counter clockwise rotation)                                                                                                                             |
| Shaft speed             | 0 ~3600rpm                                                                                                                                                                                              |
| Flows                   | 0~ 8000L/min                                                                                                                                                                                            |
| Outlet pressure         | 0~80bar                                                                                                                                                                                                 |
| Inlet pressure          | -0.7~3bar                                                                                                                                                                                               |
| Fluids                  | Machine oil, Crude oil, diesel oil, Synthetic fluid or emulsion, water-oil emulsion<br>40% of volume, Lubrication high viscosity oils, Special synthetic fluid,<br>Fuel oil and other fluids on request |
| Viscosity               | 1-10000 mm <sup>2</sup> /s                                                                                                                                                                              |
| Seal type               | NBR, VITON, FPM and other seal on request                                                                                                                                                               |
| Noise                   | 52 ~68db(A) at 2950rpm                                                                                                                                                                                  |
| Pump material           | Aluminum for housing and steel and castiron for screw, other material on request                                                                                                                        |
| Screw                   | Steel for primary screw                                                                                                                                                                                 |
| Environment temperature | -50~ +60°C                                                                                                                                                                                              |
| Hydraulic temperature   | -50~ +300°C                                                                                                                                                                                             |
| Filtration              | Permissible degree of fluid contamination NAS 1638                                                                                                                                                      |

## Ordering Code

| 1      | 2                                                                         | 3                          | 4                                                                    | 5                                         | 6            | 7                                                                             | 8                                                                                                       | 9                                                   |
|--------|---------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------|-------------------------------------------|--------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Type   |                                                                           | L/min 2750 rpm             | Pump Body                                                            | Viscosity mm²/s                           | Follow shaft | Shaft Seal                                                                    | Int. pressure relief valve                                                                              | Rotation                                            |
| TGR20  | TMT16B<br>(Max. 40 bar)<br>TMT<br>(Max. 80 bar)<br>TMAPI<br>(Max. 80 bar) | 8L, 12L, 15L, 20L          | None:<br>Aluiminium<br><br>G:<br>Cast Iron<br><br>A:<br>Carbon Steel | None:<br>0~100                            | Ac19         | None:<br>NBR<br><br>V:<br>FKM<br><br>E:<br>EDPM<br><br>TM:<br>Mechanical Seal | None:<br>No Security valve<br><br>Rf1:<br>5 Bar<br><br>Rf3:<br>15 Bar<br><br>RP:<br>Variable Regulation | None:<br>Right Rotation<br><br>SX:<br>Left Rotation |
| TGR25  |                                                                           | 25L, 30L                   |                                                                      |                                           | Ac19         |                                                                               |                                                                                                         |                                                     |
| TGR32  |                                                                           | 35L, 45L, 55L, 75L         |                                                                      |                                           | AC19/24      |                                                                               |                                                                                                         |                                                     |
| TGR40  |                                                                           | 100L, 125L, 150L           |                                                                      | AC19/24/28                                |              |                                                                               |                                                                                                         |                                                     |
| TGR45  |                                                                           | 180L, 210L                 |                                                                      | AC28/38                                   |              |                                                                               |                                                                                                         |                                                     |
| TGR55  |                                                                           | 250L, 300L, 330L, 380L     |                                                                      | AC28/38                                   |              |                                                                               |                                                                                                         |                                                     |
| TGR60  |                                                                           | 440L, 500L                 |                                                                      | AC28/38                                   |              |                                                                               |                                                                                                         |                                                     |
| TGR70  |                                                                           | 600L, 660L, 800L           |                                                                      | AC28/38                                   |              |                                                                               |                                                                                                         |                                                     |
| TGR80  |                                                                           | 1000L, 1200L               |                                                                      | Not Available<br>for hollow<br>shaft pump |              |                                                                               |                                                                                                         |                                                     |
| TGR90  |                                                                           | 1500L, 1700L, 2000L, 2200L |                                                                      |                                           |              |                                                                               |                                                                                                         |                                                     |
| TGR110 |                                                                           | 2300L, 2500L               |                                                                      |                                           |              |                                                                               |                                                                                                         |                                                     |
| TGR130 |                                                                           | 3300L, 3800L               |                                                                      |                                           |              |                                                                               |                                                                                                         |                                                     |
| TGR150 |                                                                           | 4800L, 5300L, 6000L        |                                                                      |                                           |              |                                                                               |                                                                                                         |                                                     |
| TGR180 |                                                                           | 7000L, 7800L, 8500L        |                                                                      |                                           |              |                                                                               |                                                                                                         |                                                     |

- (1) TMT16B Available from S1, TMT Available from S2,S3,S4.  
 (2) RP available from TGR20 to TGR70 included.  
 (3) For example GR40TMT16B100LGS1AC24RF2S



## Technical Parameters (40bar n=1450rpm 50Hz)

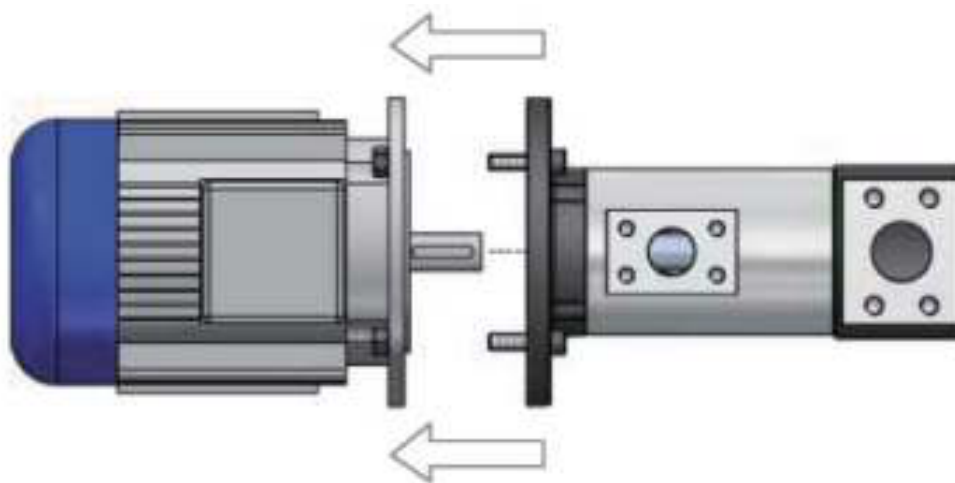
| Type       | bar | 46mm <sup>2</sup> /s |       | 320mm <sup>2</sup> /s |       |
|------------|-----|----------------------|-------|-----------------------|-------|
|            |     | Flow Q               | Power | Flow Q                | Power |
|            |     | L/min                | KW    | L/min                 | KW    |
| TGR20-8L   | 5   | 5.3                  | 0.1   | 5.3                   | 0.1   |
|            | 10  | 5.2                  | 0.1   | 5.2                   | 0.1   |
| TGR20-12L  | 5   | 7.3                  | 0.1   | 7.5                   | 0.2   |
|            | 10  | 7.2                  | 0.2   | 7.3                   | 0.2   |
| TGR20-20L  | 5   | 12.6                 | 0.2   | 13                    | 0.3   |
|            | 10  | 12.3                 | 0.3   | 12                    | 0.4   |
| TGR25-25L  | 5   | 16.5                 | 0.3   | 17                    | 0.3   |
|            | 10  | 16                   | 0.4   | 16                    | 0.5   |
| TGR25-30L  | 5   | 20.6                 | 0.3   | 21                    | 0.4   |
|            | 10  | 20.1                 | 0.5   | 20                    | 0.6   |
| TGR32-35L  | 5   | 24.3                 | 0.3   | 25                    | 0.4   |
|            | 10  | 23.7                 | 0.6   | 24                    | 0.6   |
| TGR32-55L  | 5   | 32.4                 | 0.5   | 33                    | 0.6   |
|            | 10  | 31.5                 | 0.7   | 32                    | 0.9   |
| TGR32-75L  | 5   | 43.3                 | 0.6   | 44                    | 0.8   |
|            | 10  | 42                   | 1     | 43                    | 1.2   |
| TGR40-100L | 5   | 59.2                 | 0.8   | 60                    | 1     |
|            | 10  | 57.5                 | 1.3   | 58                    | 1.5   |
| TGR40-125L | 5   | 71.8                 | 1     | 73                    | 1.2   |
|            | 10  | 69.8                 | 1.6   | 71                    | 1.8   |
| TGR40-150L | 5   | 84.6                 | 1.1   | 85                    | 1.4   |
|            | 10  | 82.1                 | 1.9   | 83                    | 2.2   |
| TGR45-180L | 5   | 101.6                | 1.3   | 103                   | 1.7   |
|            | 10  | 98.7                 | 2.2   | 100                   | 2.5   |
| TGR45-210L | 5   | 120.3                | 1.6   | 122                   | 2     |
|            | 10  | 116.9                | 2.6   | 119                   | 3     |
| TGR55-250L | 5   | 151.8                | 1.9   | 153                   | 2.4   |
|            | 10  | 147.4                | 3.2   | 150                   | 3.7   |
| TGR55-300L | 5   | 171.7                | 2.2   | 173                   | 2.7   |
|            | 10  | 166.9                | 3.6   | 169                   | 4.2   |
| TGR55-330L | 5   | 189.8                | 2.4   | 192                   | 3     |
|            | 10  | 184.2                | 4     | 187                   | 4.6   |
| TGR55-380L | 5   | 215.7                | 2.8   | 218                   | 3.4   |
|            | 10  | 209.5                | 4.6   | 213                   | 5.2   |

| Type         | bar | 46mm <sup>2</sup> /s |       | 320mm <sup>2</sup> /s |       |
|--------------|-----|----------------------|-------|-----------------------|-------|
|              |     | Flow Q               | Power | Flow Q                | Power |
|              |     | L/min                | KW    | L/min                 | KW    |
| TGR60-440L   | 5   | 256.7                | 3.2   | 259                   | 4     |
|              | 10  | 249.4                | 5.4   | 253                   | 6.2   |
| TGR60-500L   | 5   | 285.2                | 3.6   | 288                   | 4.4   |
|              | 10  | 277                  | 6     | 281                   | 6.8   |
| TGR70-560L   | 5   | 307.4                | 3.8   | 310                   | 4.6   |
|              | 10  | 298.5                | 6.4   | 303                   | 7.2   |
| TGR70-600L   | 5   | 349.4                | 4.3   | 353                   | 5.2   |
|              | 10  | 339.3                | 7.3   | 344                   | 8.2   |
| TGR70-660L   | 5   | 388.3                | 4.8   | 392                   | 5.8   |
|              | 10  | 377                  | 8.1   | 383                   | 9.1   |
| TGR70-800L   | 5   | 453                  | 5.6   | 457                   | 6.8   |
|              | 10  | 439.9                | 9.4   | 447                   | 10.7  |
| TGR80-1000L  | 5   | 591.6                | 6.8   | 597                   | 7.9   |
|              | 10  | 574.6                | 11.7  | 583                   | 12.8  |
| TGR80-1200L  | 5   | 718.4                | 8.3   | 725                   | 9.6   |
|              | 10  | 697.7                | 14.2  | 708                   | 15.5  |
| TGR90-1500L  | 5   | 817.1                | 9.3   | 825                   | 10.8  |
|              | 10  | 793.7                | 15.9  | 805                   | 17.4  |
| TGR90-1700L  | 5   | 953.3                | 10.8  | 963                   | 12.5  |
|              | 10  | 925.9                | 18.5  | 940                   | 20.3  |
| TGR90-2000L  | 5   | 1089.4               | 12.4  | 1100                  | 14.3  |
|              | 10  | 1058.1               | 21.2  | 1074                  | 23.1  |
| TGR90-2200L  | 5   | 1252.9               | 14.2  | 1265                  | 16.5  |
|              | 10  | 1216.8               | 24.3  | 1235                  | 26.6  |
| TGR110-2300L | 5   | 1220.6               | 13.8  | 1233                  | 16.1  |
|              | 10  | 1185.5               | 23.7  | 1203                  | 25.9  |
| TGR110-2500L | 5   | 1389                 | 16.5  | 1397                  | 18.2  |
|              | 10  | 1343.5               | 26.9  | 1364                  | 29.4  |
| TGR110-2800L | 5   | 1546.1               | 17.5  | 1561                  | 20.3  |
|              | 10  | 1501.6               | 30    | 1524                  | 32.8  |
| TGR110-3200L | 5   | 1790.1               | 20.3  | 1808                  | 23.6  |
|              | 10  | 1738.8               | 34.8  | 1765                  | 38    |



### Technical Parameters (40bar n=1450rpm 50Hz)

| Type         | bar | 46mm <sup>2</sup> /s |       | 320mm <sup>2</sup> /s |       |
|--------------|-----|----------------------|-------|-----------------------|-------|
|              |     | Flow Q               | Power | Flow Q                | Power |
|              |     | L/min                | KW    | L/min                 | KW    |
| TGR130-3300L | 5   | 1949.9               | 24.5  | 1978.4                | 31.5  |
|              | 10  | 1860                 | 41.9  | 1901.3                | 49    |
| TGR130-3800L | 5   | 2257.8               | 28.3  | 2290.7                | 36.5  |
|              | 10  | 2153.6               | 48.6  | 2201.5                | 56.7  |
| TGR150-4800L | 5   | 2459.3               | 30.9  | 2495.3                | 39.7  |
|              | 10  | 2345.9               | 52.9  | 2398                  | 61.8  |
| TGR150-5300L | 5   | 2732.6               | 34.3  | 2772.6                | 44.1  |
|              | 10  | 2606.6               | 58.8  | 2664.5                | 68.6  |
| TGR150-6000L | 5   | 3142.5               | 39.5  | 3188.5                | 50.8  |
|              | 10  | 2997.6               | 67.6  | 3064.3                | 78.9  |
| TGR180-7000L | 5   | 3541.4               | 44.5  | 3593.3                | 57.2  |
|              | 10  | 3378.2               | 76.2  | 3453.3                | 88.9  |
| TGR180-7800L | 5   | 3935                 | 49.4  | 3992.5                | 63.6  |
|              | 10  | 3753.5               | 84.6  | 3837                  | 98.8  |
| TGR180-8500L | 5   | 4328.5               | 53.4  | 4391.8                | 69.9  |
|              | 10  | 4128.9               | 93.1  | 4220.6                | 108.7 |
| TGR180-9500L | 5   | 4820.3               | 60.5  | 4890.9                | 77.9  |
|              | 10  | 4598.1               | 103.7 | 4700.3                | 121   |





## Technical Parameters (40bar n=1750rpm 60Hz)

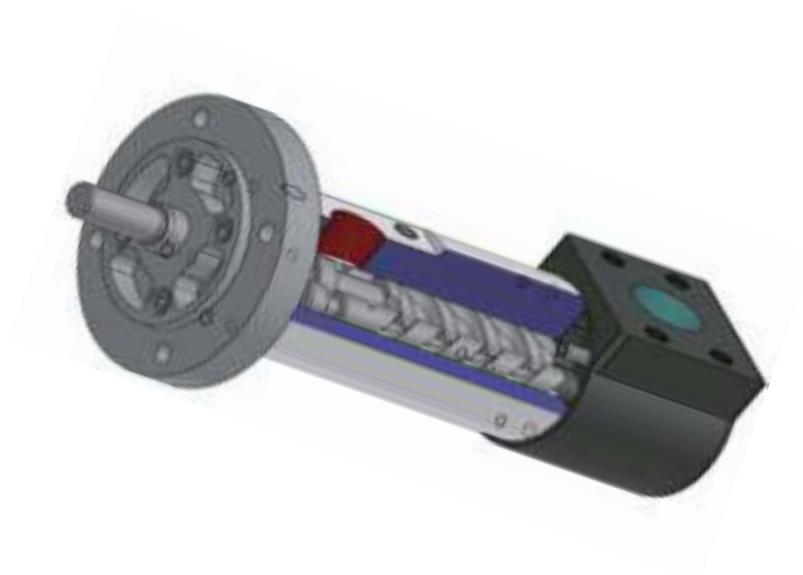
| Type       | bar | 46mm <sup>2</sup> /s |       | 320mm <sup>2</sup> /s |       |
|------------|-----|----------------------|-------|-----------------------|-------|
|            |     | Flow Q               | Power | Flow Q                | Power |
|            |     | L/min                | KW    | L/min                 | KW    |
| TGR20-8    | 5   | 6.4                  | 0.1   | 6.5                   | 0.1   |
|            | 10  | 6.2                  | 0.1   | 6.3                   | 0.2   |
| TGR20-12   | 5   | 8.9                  | 0.1   | 9.1                   | 0.2   |
|            | 10  | 8.7                  | 0.2   | 8.9                   | 0.3   |
| TGR20-20   | 5   | 15.3                 | 0.2   | 15.5                  | 0.4   |
|            | 10  | 14.9                 | 0.4   | 15.2                  | 0.5   |
| TGR25-25   | 5   | 20                   | 0.3   | 20.2                  | 0.4   |
|            | 10  | 19.4                 | 0.4   | 19.8                  | 0.6   |
| TGR25-30   | 5   | 24.9                 | 0.4   | 25.3                  | 0.5   |
|            | 10  | 24.6                 | 0.6   | 24.8                  | 0.7   |
| TGR32-35   | 5   | 29.4                 | 0.4   | 29.8                  | 0.6   |
|            | 10  | 28.6                 | 0.6   | 29.2                  | 0.8   |
| TGR32-55   | 5   | 39.2                 | 0.5   | 39.8                  | 0.7   |
|            | 10  | 38.1                 | 0.8   | 39                    | 1.1   |
| TGR32-75L  | 5   | 52.3                 | 0.7   | 53.1                  | 1     |
|            | 10  | 50.9                 | 1.1   | 52                    | 1.4   |
| TGR40-100L | 5   | 71.5                 | 0.9   | 72.5                  | 1.3   |
|            | 10  | 69.5                 | 1.5   | 71                    | 1.9   |
| TGR40-125L | 5   | 86.9                 | 1.1   | 88.1                  | 1.5   |
|            | 10  | 84.4                 | 1.8   | 86.3                  | 2.3   |
| TGR40-150L | 5   | 102.3                | 1.3   | 103.6                 | 1.8   |
|            | 10  | 99.3                 | 2.1   | 101.5                 | 2.7   |
| TGR45-180L | 5   | 122.9                | 1.5   | 124.6                 | 2.1   |
|            | 10  | 119.4                | 2.5   | 122                   | 3.2   |
| TGR45-210L | 5   | 145.5                | 1.8   | 147.6                 | 2.5   |
|            | 10  | 141.4                | 3     | 144.5                 | 3.8   |
| TGR55-250L | 5   | 183.5                | 2.2   | 186.1                 | 3     |
|            | 10  | 178.4                | 3.7   | 182.3                 | 4.6   |
| TGR55-300L | 5   | 207.7                | 2.5   | 210.6                 | 3.4   |
|            | 10  | 201.9                | 4.2   | 206.2                 | 5.2   |
| TGR55-330L | 5   | 229.4                | 2.8   | 232.7                 | 3.8   |
|            | 10  | 223                  | 4.7   | 227.8                 | 5.7   |
| TGR55-380L | 5   | 261                  | 3.1   | 264.5                 | 4.3   |
|            | 10  | 254                  | 5.3   | 259                   | 6.5   |

| Type         | bar | 46mm <sup>2</sup> /s |       | 320mm <sup>2</sup> /s |       |
|--------------|-----|----------------------|-------|-----------------------|-------|
|              |     | Flow Q               | Power | Flow Q                | Power |
|              |     | L/min                | KW    | L/min                 | KW    |
| TGR60-440L   | 5   | 310                  | 3.7   | 314.8                 | 5     |
|              | 10  | 302                  | 6.3   | 308.2                 | 7.7   |
| TGR60-500L   | 5   | 345                  | 4.1   | 349.8                 | 5.6   |
|              | 10  | 335                  | 7     | 342.5                 | 8.5   |
| TGR70-560L   | 5   | 372                  | 4.3   | 376.9                 | 5.8   |
|              | 10  | 361                  | 7.4   | 369                   | 9     |
| TGR70-600L   | 5   | 422                  | 4.9   | 428.5                 | 6.6   |
|              | 10  | 411                  | 8.5   | 419.5                 | 10.2  |
| TGR70-660L   | 5   | 469                  | 5.5   | 476.1                 | 7.3   |
|              | 10  | 456                  | 9.4   | 466.2                 | 11.4  |
| TGR70-800L   | 5   | 548                  | 6.4   | 555.4                 | 8.6   |
|              | 10  | 532                  | 11    | 543.9                 | 13.3  |
| TGR80-1000L  | 5   | 715                  | 7.9   | 725.4                 | 10    |
|              | 10  | 695                  | 13.8  | 710.3                 | 15.9  |
| TGR80-1200L  | 5   | 869                  | 9.6   | 880.9                 | 12.1  |
|              | 10  | 844                  | 16.8  | 862.6                 | 19.3  |
| TGR90-1500L  | 5   | 988                  | 10.8  | 1001.9                | 13.5  |
|              | 10  | 960                  | 18.7  | 981.1                 | 21.5  |
| TGR90-1700L  | 5   | 1152.6               | 12.6  | 1168.9                | 15.8  |
|              | 10  | 1120.5               | 21.9  | 1144.1                | 25.1  |
| TGR90-2000L  | 5   | 1317.2               | 14.3  | 1335.9                | 18.1  |
|              | 10  | 1280.6               | 25    | 1308.1                | 28.7  |
| GR90-2200L   | 5   | 1514.8               | 16.5  | 1536.3                | 20.8  |
|              | 10  | 1472.7               | 28.7  | 1504.3                | 33    |
| TGR110-2300L | 5   | 1475.8               | 16.1  | 1496.7                | 20.2  |
|              | 10  | 1434.7               | 28    | 1465.6                | 32.1  |
| TGR110-2500L | 5   | 1672.5               | 18.2  | 1696.2                | 22.9  |
|              | 10  | 1626                 | 31.7  | 1661                  | 36.4  |
| TGR110-2800L | 5   | 1869.3               | 20.4  | 1895.8                | 25.6  |
|              | 10  | 1817.3               | 35.4  | 1856.4                | 40.7  |
| TGR110-3200L | 5   | 2164.5               | 23.6  | 2195.1                | 29.7  |
|              | 10  | 2104.3               | 41.0  | 2149.5                | 47.1  |



### Technical Parameters (40bar n=1750rpm 60Hz)

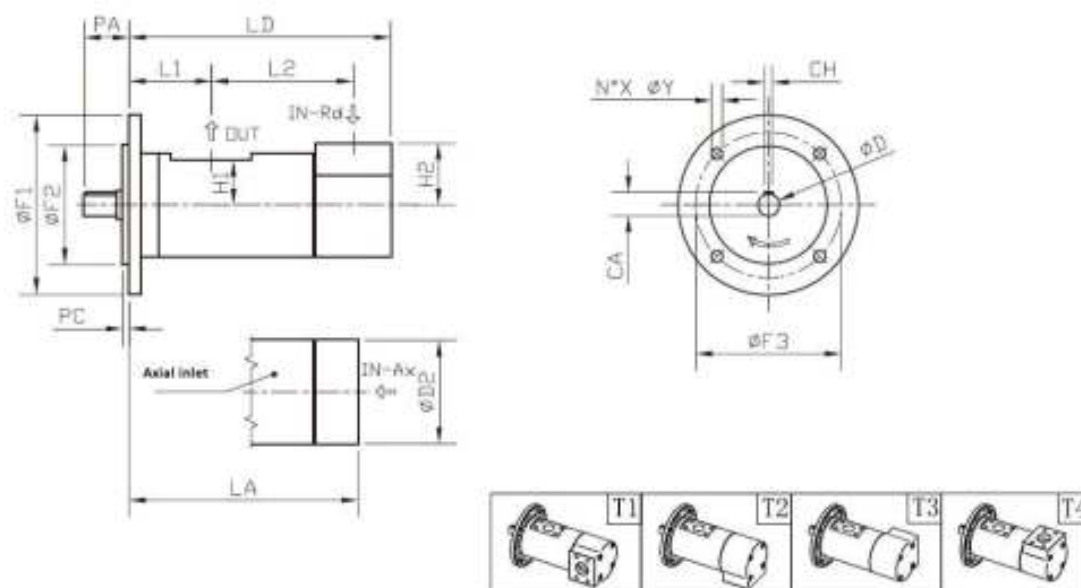
| Type         | bar | 46mm <sup>2</sup> /s |       | 320mm <sup>2</sup> /s |       |
|--------------|-----|----------------------|-------|-----------------------|-------|
|              |     | Flow Q               | Power | Flow Q                | Power |
|              |     | L/min                | KW    | L/min                 | KW    |
| TGR130-3300L | 5   | 2370.5               | 30.5  | 2400.8                | 39.9  |
|              | 10  | 2269.8               | 51.6  | 2313.7                | 61.0  |
| TGR130-3800L | 5   | 2744.8               | 35.3  | 2779.9                | 46.2  |
|              | 10  | 2628.3               | 59.7  | 2678.9                | 70.6  |
| TGR150-4800L | 5   | 2990.0               | 38.5  | 3028.1                | 50.4  |
|              | 10  | 2862.9               | 65.1  | 2918.2                | 77.0  |
| TGR150-5300L | 5   | 3322.2               | 42.8  | 3364.6                | 56.0  |
|              | 10  | 3181.1               | 72.3  | 3242.4                | 85.5  |
| TGR150-6000L | 5   | 3820.6               | 49.2  | 3869.3                | 64.4  |
|              | 10  | 3658.1               | 83.1  | 3728.8                | 98.3  |
| TGR180-7000L | 5   | 4305.6               | 55.4  | 4360.5                | 72.5  |
|              | 10  | 4122.6               | 93.7  | 4202.2                | 110.8 |
| TGR180-7800L | 5   | 4783.9               | 61.6  | 4845.0                | 80.6  |
|              | 10  | 4580.6               | 104.1 | 4669.1                | 123.1 |
| TGR180-8500L | 5   | 5262.4               | 67.7  | 5329.5                | 88.7  |
|              | 10  | 5038.8               | 114.5 | 5136.0                | 135.4 |
| TGR180-9500L | 5   | 5860.4               | 75.4  | 5935.1                | 98.7  |
|              | 10  | 5611.3               | 127.5 | 5719.6                | 150.8 |





## Unit Dimensions

### Normal shaft pump GR20 G~ R110



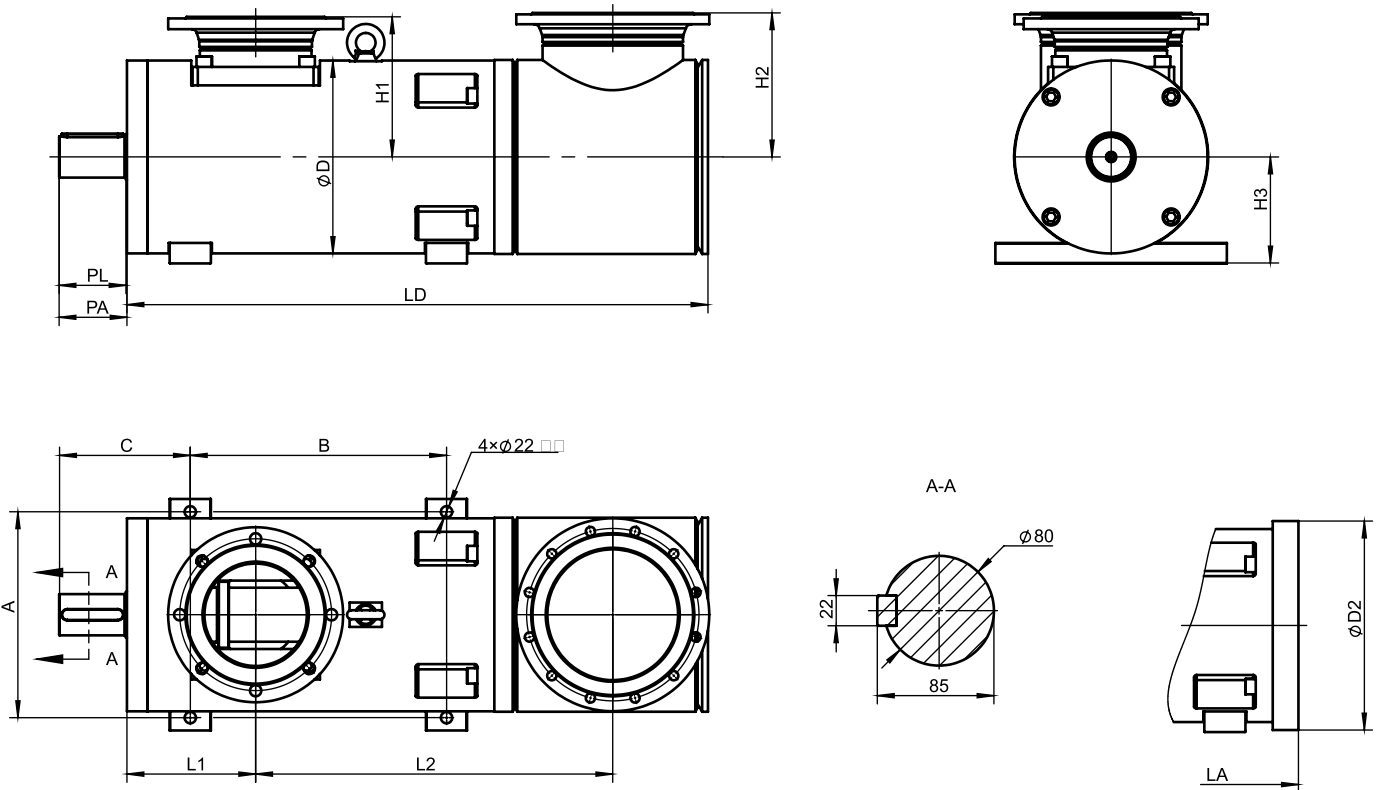
| Size   | Pump Dimension |       |       |       |       |       |       |       |      |     |       |      |     |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|------|-----|-------|------|-----|
|        | TMT16B         |       |       |       | TMT   |       |       |       | PA   | PC  | D2    | H1   | H2  |
|        | LD             | LA    | L1    | L2    | LD    | LA    | L1    | L2    |      |     |       |      |     |
| TGR20  | 153            | 134   | 53    | 78.5  | 193   | 174   | 53    | 118.5 | 37   | 4.5 | 59    | 25   | 26  |
| TGR25  | 178            | 178   | 72.5  | 87    | 262   | 262   | 72.5  | 171   | 42   | 4.5 | 65    | 27.5 | 27  |
| TGR32  | 218            | 171   | 61    | 123   | 295   | 248   | 69    | 192   | 41   | 4   | 94    | 41   | 55  |
| TGR40  | 257.5          | 211.5 | 69    | 149.5 | 348   | 302   | 84.5  | 224.5 | 42.5 | 4   | 108   | 46.5 | 65  |
| TGR45  | 310.5          | 258.5 | 75.4  | 190.1 | 382   | 330   | 89    | 248   | 64.5 | 4   | 122.5 | 51.5 | 85  |
| TGR55  | 338            | 274   | 83.5  | 202.5 | 449.5 | 385.5 | 100.5 | 297   | 64.5 | 4   | 142.5 | 55   | 95  |
| TGR60  | 374.5          | 292.5 | 83.5  | 228.5 | 505   | 423   | 101   | 342   | 65.5 | 4   | 155   | 63   | 105 |
| TGR70  | 441.5          | 365.5 | 94.5  | 279   | 605.5 | 529.5 | 115.5 | 422   | 65.5 | 4   | 180   | 73   | 110 |
| TGR80  | 519            | 468   | 150   | 294.5 | 695   | 644   | 150   | 470.5 | 75   | 4   | 210   | 83   | 125 |
| TGR90  | 881            | 816   | 256   | 525   | 881   | 816   | 256   | 525   | 118  | 5   | 250   | 100  | 140 |
| TGR90S | 731            | 608   | 144.5 | 488   | 731   | 608   | 144.5 | 488   | 75   | 4   | 200   | 85   | 110 |
| TGR110 | 876            | 811   | 287   | 489   | 876   | 811   | 287   | 489   | 118  | 5   | 250   | 100  | 140 |

| Size   | Flange |     |     |   |    |    |      |    | Suction    |            | Discharge  | Weight(Kg) |      |
|--------|--------|-----|-----|---|----|----|------|----|------------|------------|------------|------------|------|
|        | F1     | F2  | F3  | X | Y  | D  | CA   | CH | IN-Ax      | IN-Rd      | Out        | TMT16B     | TMT  |
| TGR20  | 125    | 80  | 103 | 2 | 11 | 14 | 16   | 5  | 1/2" GAS   | 1/2" GAS   | 1/2" GAS   | 1.5        | 1.58 |
| TGR25  | 125    | 80  | 103 | 2 | 11 | 19 | 21.5 | 6  | 3/4" GAS   | 3/4" GAS   | 1/2" GAS   | 2.7        | 4    |
| TGR32  | 150    | 100 | 125 | 4 | 11 | 19 | 21.5 | 6  | 1 1/4" SAE | 1 1/4" SAE | 1" SAE     | 4.4        | 6.5  |
| TGR40  | 188    | 125 | 160 | 4 | 14 | 19 | 21.5 | 6  | 1 1/2" SAE | 1 1/2" SAE | 1 1/4" SAE | 7          | 10.8 |
| TGR45  | 188    | 125 | 160 | 4 | 14 | 32 | 35   | 10 | 2" SAE     | 2" SAE     | 1 1/2" SAE | 11         | 15   |
| TGR55  | 235    | 160 | 200 | 4 | 18 | 32 | 35   | 10 | 2 1/2" SAE | 2 1/2" GAS | 2" SAE     | 15.5       | 23.5 |
| TGR60  | 300    | 160 | 200 | 4 | 18 | 32 | 35   | 10 | 3" SAE     | 3" SAE     | 2 1/2" SAE | 25         | 30   |
| TGR70  | 235    | 200 | 250 | 4 | 22 | 32 | 35   | 10 | 3 1/2" SAE | 3 1/2" GAS | 3" SAE     | 30         | 44   |
| TGR80  | 300    | 200 | 250 | 4 | 22 | 38 | 41   | 10 | 4" SAE     | 4" SAE     | 3" SAE     | 47.5       | 59   |
| TGR90  | 350    | 250 | 300 | 4 | 26 | 55 | 59   | 16 | DN150      | 5" SAE     | 4" SAE     | 95         | 95   |
| TGR90S | 300    | 200 | 250 | 4 | 22 | 28 | 41   | 10 | DN150      | 5" SAE     | 3" SAE     | 62.3       | 62.3 |
| TGR110 | 350    | 250 | 300 | 4 | 26 | 55 | 59   | 16 | DN200      | 5" SAE     | 4" SAE     | 120        | 120  |



Unit Dimensions

Normal shaft pump GR130~GR180



| Size   | Pump Dimension |     |     |     |     |     |     |     |      |     |     |     |    |     |     |      |    |
|--------|----------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|------|----|
|        | PA             | PL  | H1  | H2  | H3  | A   | B   | C   | LD   | LA  | L1  | L2  | D  | D1  | D2  | CA   | CH |
| TGR130 | 124            | 120 | 290 | 290 | 195 | 350 | 346 | 247 | 875  | 675 | 200 | 535 | 75 | 397 | 340 | 79.5 | 20 |
| TGR150 | 127            | 120 | 290 | 290 | 207 | 400 | 400 | 262 | 920  | 668 | 225 | 573 | 80 | 324 | 343 | 85   | 22 |
| TGR180 | 132            | 130 | 320 | 320 | 207 | 400 | 498 | 255 | 1094 | 754 | 250 | 669 | 80 | 375 | 406 | 85   | 22 |

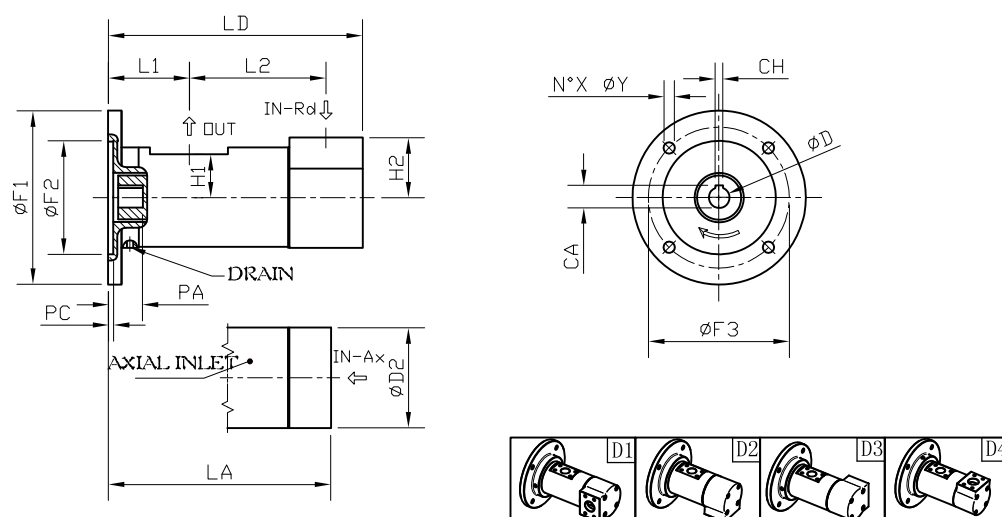
| Size   | Pump Dimension |     |     |     |     |     |     |     |      |     |     |     |    |     |     |    |    |
|--------|----------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|----|----|
|        | PA             | PL  | H1  | H2  | H3  | A   | B   | C   | LD   | LA  | L1  | L2  | D  | D1  | D2  | CA | CH |
| TGR130 | 134            | 130 | 290 | 290 | 207 | 400 | 393 | 257 | 920  | 610 | 210 | 570 | 85 | 324 | 343 | 85 | 22 |
| TGR150 | 134            | 130 | 290 | 290 | 207 | 400 | 393 | 257 | 920  | 610 | 210 | 570 | 80 | 324 | 343 | 85 | 22 |
| TGR180 | 132            | 130 | 320 | 320 | 207 | 400 | 498 | 255 | 1094 | 754 | 250 | 669 | 80 | 375 | 406 | 85 | 22 |





## Unit Dimensions

### Hollow shaft pump GR20 ~GR7 0/AC



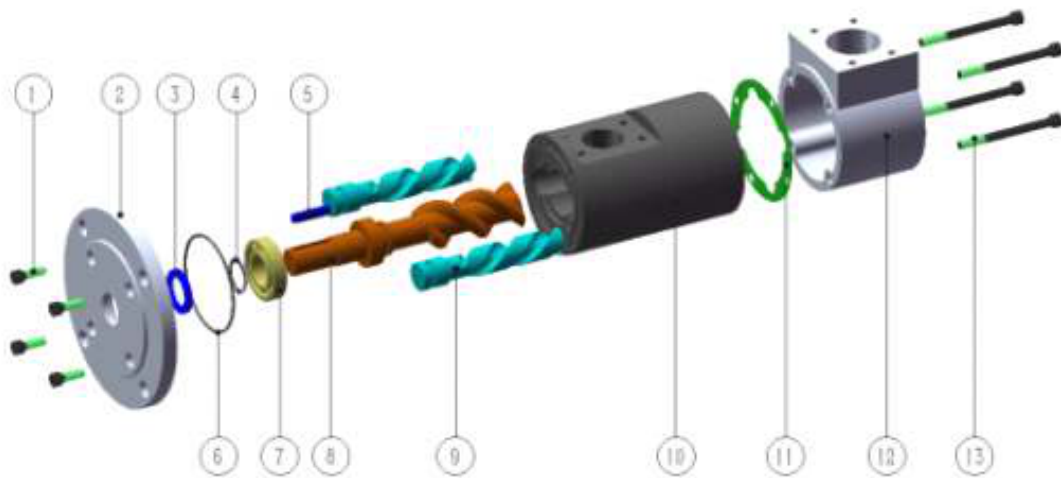
| Size       | Pump dimension |       |       |       |       |       |       |       |      |     |       |      |     |
|------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|-----|-------|------|-----|
|            | TMT16B         |       |       |       | TMT   |       |       |       | PA   | PC  | D2    | H1   | H2  |
|            | LD             | LA    | L1    | L2    | LD    | LA    | L1    | L2    |      |     |       |      |     |
| TGR20-AC19 | 173            | 156   | 75    | 78    | 215   | 196   | 75    | 118.5 | 42   | 5   | 59    | 26   | 26  |
| TGR25-AC19 | 182            | 182   | 76.5  | 87    | 266   | 266   | 76.5  | 171   | 42.5 | 4.5 | 65    | 27.5 | 27  |
| TGR32-AC24 | 241.7          | 194.7 | 84.7  | 123   | 318.7 | 271.7 | 92.7  | 192   | 43.7 | 5   | 94    | 41   | 55  |
| TGR32-AC19 | 241.7          | 194.7 | 84.7  | 123   | 318.7 | 271.7 | 92.7  | 192   | 52.7 | 5   | 94    | 41   | 55  |
| TGR40-AC19 | 282.5          | 236.5 | 94    | 149.5 | 373   | 327   | 109.5 | 224.5 | 42.5 | 5   | 108   | 46.5 | 65  |
| TGR40-AC24 | 282.5          | 236.5 | 94    | 149.5 | 373   | 327   | 109.5 | 224.5 | 52.5 | 5   | 108   | 46.5 | 65  |
| TGR40-AC28 | 293            | 247   | 104.5 | 149.5 | 383.5 | 337.5 | 120   | 224.5 | 64   | 6   | 108   | 46.5 | 65  |
| TGR45-AC28 | 341.5          | 289.5 | 106.4 | 190.1 | 413   | 361   | 120   | 248   | 63.5 | 5   | 122.5 | 51.5 | 85  |
| TGR45-AC38 | 355            | 303   | 119.9 | 190.1 | 426.5 | 374.5 | 133.5 | 248   | 81   | 6   | 122.5 | 51.5 | 85  |
| TGR55-AC28 | 363            | 299   | 108   | 202.5 | 474.5 | 410.5 | 125.5 | 297   | 62.5 | 6   | 142.5 | 55   | 95  |
| TGR55-AC38 | 383            | 319   | 128.5 | 202.5 | 494.5 | 430.5 | 145.5 | 297   | 82.5 | 6   | 142.5 | 55   | 95  |
| TGR60-AC28 | 399            | 317.5 | 108.5 | 228.5 | 530.5 | 448.5 | 126   | 342   | 65   | 6   | 155   | 63   | 105 |
| TGR60-AC38 | 419.5          | 337.5 | 128.5 | 228.5 | 550.5 | 468.5 | 146   | 342   | 83   | 6   | 155   | 63   | 105 |
| TGR70-AC28 | 465.3          | 389.3 | 118.3 | 279   | 629.3 | 553.3 | 139.3 | 422   | 63.1 | 5   | 180   | 73   | 110 |
| TGR70-AC38 | 486.5          | 410.5 | 139.5 | 279   | 650.5 | 574.5 | 160.5 | 422   | 87.3 | 6   | 180   | 73   | 110 |

| Size       | Flange |     |     |   |      |    |      |      | Suction    |            | Discharge  | Weight(Kg) |      |
|------------|--------|-----|-----|---|------|----|------|------|------------|------------|------------|------------|------|
|            | F1     | F2  | F3  | X | Y    | D  | CA   | CH   | IN-Ax      | IN-Rd      | Out        | TMT16B     | TMT  |
| TGR20-AC19 | 200    | 130 | 165 | 4 | 11   | 19 | 21.7 | 6.5  | 1/2" G     | 1/2" G     | 1/2" G     | 2.2        | 2.3  |
| TGR25-AC19 | 200    | 130 | 165 | 4 | 10.5 | 19 | 21.9 | 6.5  | 3/4" G     | 3/4" G     | 1/2" G     | 2.5        | 4.2  |
| TGR32-AC24 | 200    | 130 | 165 | 4 | 12   | 19 | 21.9 | 6.5  | 1 1/4" SAE | 1 1/4" SAE | 1" SAE     | 5.1        | 6.7  |
| TGR32-AC19 | 200    | 130 | 165 | 4 | 12   | 24 | 27.3 | 8.5  | 1 1/4" SAE | 1 1/4" SAE | 1" SAE     | 5.5        | 6.3  |
| TGR40-AC19 | 200    | 130 | 165 | 4 | 12   | 19 | 22   | 6.5  | 1 1/2" SAE | 1 1/2" SAE | 1 1/4" SAE | 6.2        | 8.2  |
| TGR40-AC24 | 200    | 130 | 165 | 4 | 12   | 24 | 27.5 | 8.5  | 1 1/2" SAE | 1 1/2" SAE | 1 1/4" SAE | 6.9        | 11.2 |
| TGR40-AC28 | 250    | 180 | 215 | 4 | 14   | 28 | 31.5 | 8.5  | 2" SAE     | 1 1/2" SAE | 1 1/4" SAE | 8.5        | 12.4 |
| TGR45-AC28 | 250    | 180 | 215 | 4 | 14   | 28 | 31.5 | 8.5  | 2" SAE     | 2" SAE     | 1 1/2" SAE | 10.9       | 15.9 |
| TGR45-AC38 | 300    | 230 | 265 | 4 | 15   | 38 | 42   | 10.5 | 2 1/2" SAE | 2" SAE     | 1 1/2" SAE | 12.5       | 17.6 |
| TGR55-AC28 | 250    | 180 | 215 | 4 | 14   | 28 | 31.5 | 8.5  | 2 1/2" SAE | 2 1/2" SAE | 2" SAE     | 15.9       | 24.2 |
| TGR55-AC38 | 300    | 230 | 265 | 4 | 15   | 38 | 42   | 10.5 | 2 1/2" SAE | 2 1/2" SAE | 2" SAE     | 17.7       | 23.1 |
| TGR60-AC28 | 250    | 180 | 215 | 4 | 14   | 28 | 31.5 | 8.5  | 3" SAE     | 3" SAE     | 2 1/2" SAE | 19.3       | 31.5 |
| TGR60-AC38 | 300    | 230 | 265 | 4 | 14.5 | 38 | 41.8 | 10.5 | 3" SAE     | 3" SAE     | 2 1/2" SAE | 22.1       | 27.6 |
| TGR70-AC28 | 250    | 180 | 215 | 4 | 14   | 28 | 31.5 | 8.5  | 3 1/2" SAE | 3 1/2" SAE | 3" SAE     | 32.3       | 45.5 |
| TGR70-AC38 | 300    | 230 | 265 | 4 | 14.5 | 38 | 41.8 | 10.5 | 3 1/2" SAE | 3 1/2" SAE | 3" SAE     | 33.6       | 48.4 |



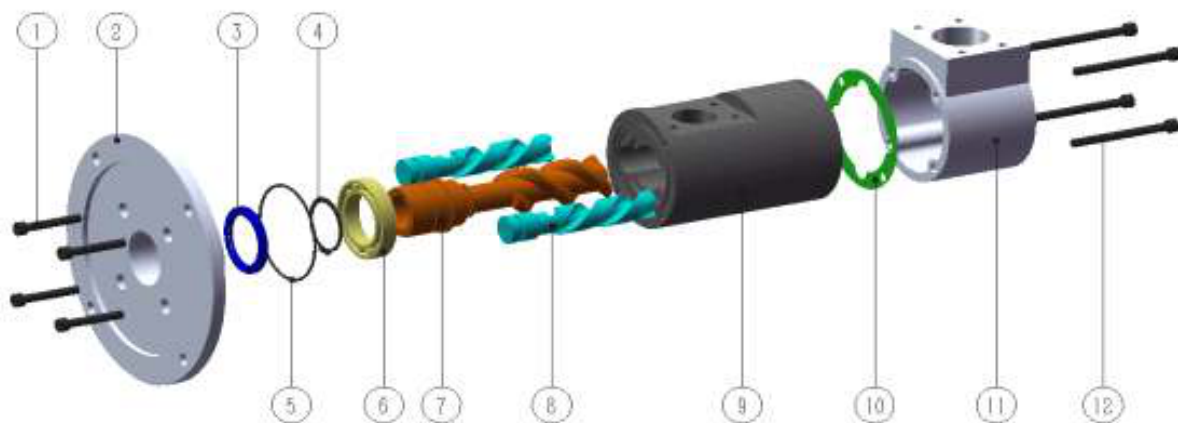
## Component Description

### Normal Shaft Pump



|                 |                |                        |              |              |
|-----------------|----------------|------------------------|--------------|--------------|
| 1.Screws        | 2.Flange       | 3. seal                | 4. Seeger    | 5. Key       |
| 6.O-ring seal   | 7.Ball bearing | 8.Mainscrew            | 9.Idlerscrew | 10.Pump body |
| 11.Plane gasket |                | 12.Radial suctioncover |              | 13.Screws    |

### Hollow Shaft Pump



|                        |              |              |             |                 |
|------------------------|--------------|--------------|-------------|-----------------|
| 1. Screws              | 2.Flange     | 3. seal      | 4. Seeger   | 5. O-ring seal  |
| 6.Ballbearing          | 7.Main screw | 8.Idlerscrew | 9.Pump body | 10.Plane gasket |
| 11.Radial suctioncover |              | 12.Screw     |             |                 |

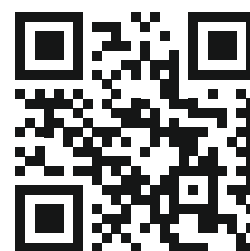


The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



### **THM Huade Hydraulics Pvt Ltd**

F-127, Phase-VIII, Focal Point,  
Ludhiana-141010, Punjab (INDIA)  
PH: 0161-2672777, 0161-2672778  
E-mail: [sales@thmhuade.com](mailto:sales@thmhuade.com)  
Website: [www.thmhuade.com](http://www.thmhuade.com)



Follow us:

