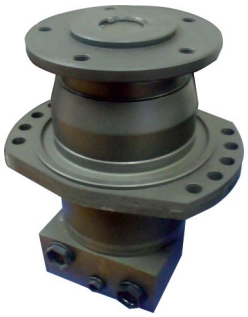
# ORDER CODE



| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| T M F | | | | |

**Pos.1 - Mounting Flange**

| | |
|---|---|
| Omit | Thread hole flange, 5xM12x1.5 on Ø140 |
| A | Thread hole flange, 6x5/8-18 UNF on Ø152.4 |

**Pos.2 - Displacement code**

| | |
|---|---|
| 200 | - 201,4 cm³/rev |
| 250 | - 251,8 cm³/rev |
| 315 | - 326,3 cm³/rev |
| 400 | - 410,9 cm³/rev |
| 470 | - 475,0 cm³/rev |
| 500 | - 523,6 cm³/rev |
| 630 | - 631,2 cm³/rev |
| 725 | - 725,3 cm³/rev |

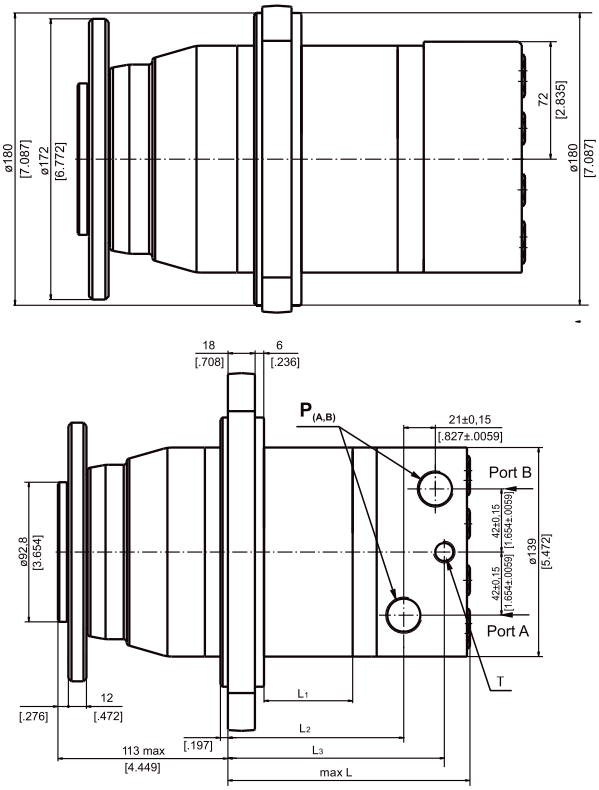
**Pos. 3 - Special Features**

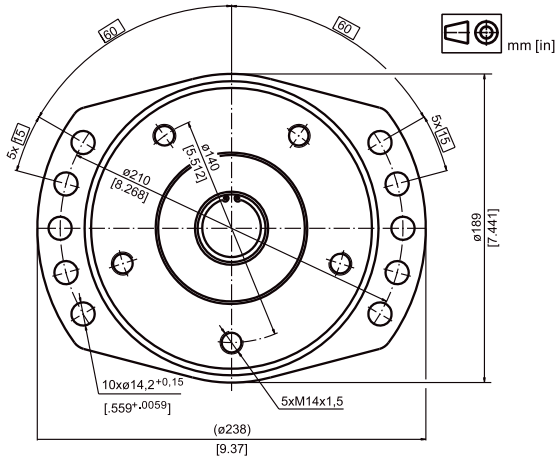
**Pos. 4 - Design Series**

Omit – Factory specified

**NOTES**
*The hydraulic motors are mangano phosphatized as standard.

## DIMENSIONS AND MOUNTING DATA - TMF




**P**(A,B): 2x G 3/4 – 17 mm depth
**T**: G 1/4 – 12 mm depth

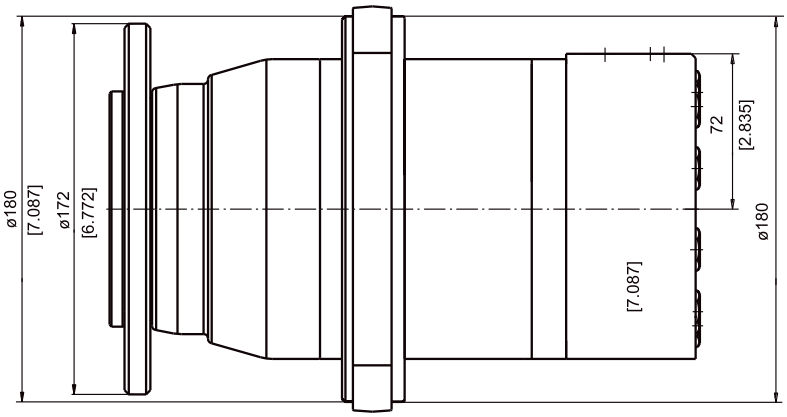
**Warning:** Drain line should always be used.

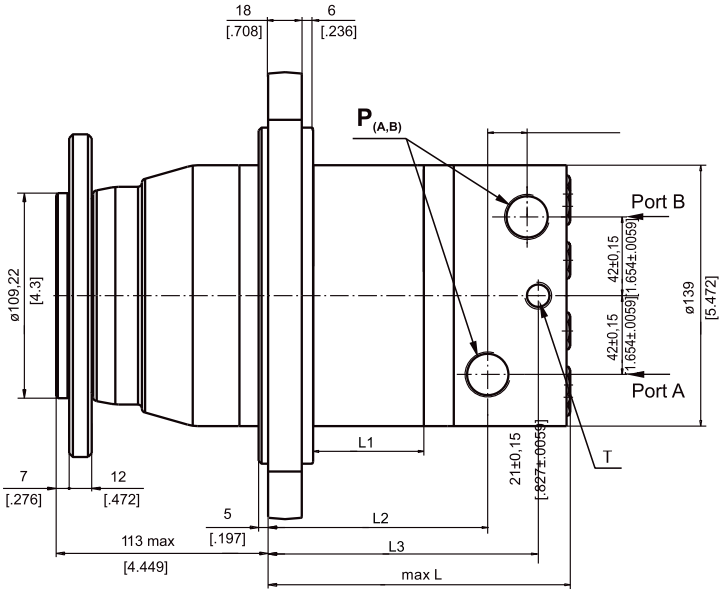
**Standard Rotation**
Viewed from shaft end
Port A Pressurized – CW

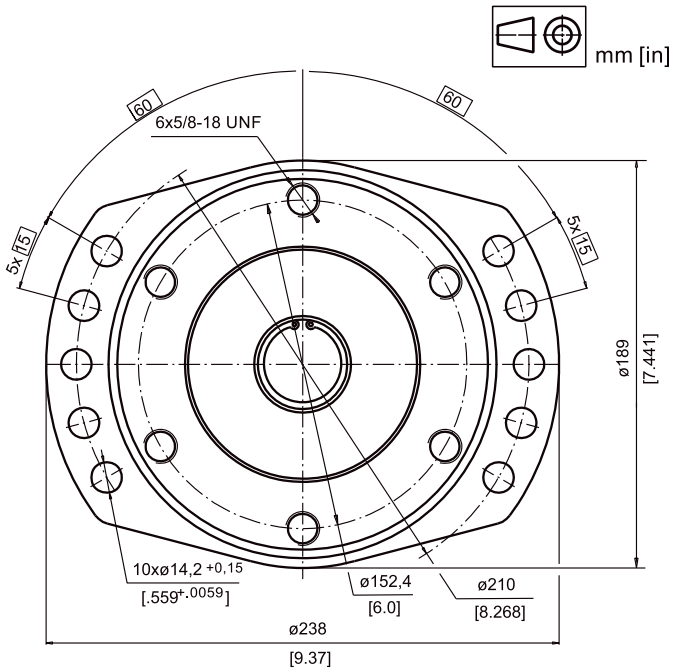
**Reverse Rotation**
Viewed from shaft end
Port A Pressurized – CCW

| Type | L mm | L1 mm | L2 mm | L3 mm |
|---|---|---|---|---|
| TMF 200 | 126 | 98 | 83 | 110.3 |
| TMF 250 | 132.3 | 31.3 | 89.3 | 116.6 |
| TMF 315 | 141.5 | 40.5 | 98.5 | 125.8 |
| TMF 400 | 152 | 51 | 109 | 136.3 |
| TMF 470 | 160 | 59 | 117 | 144.3 |
| TMF 500 | 166 | 65 | 123 | 150.3 |
| TMF 630 | 162 | 61 | 119 | 146.3 |
| TMF 725 | 171 | 70 | 128 | 155.3 |

## DIMENSIONS AND MOUNTING DATA - TMF




**Warning:** Drain line should always be used.

**P**(A,B): 2x 1-1/16-12 UN, O-ring port 17 mm depth
**T**: 9/16-18 UNF, O-ring port 12 mm

| Type | L mm | L1 mm | L2 mm | L3 mm |
|---|---|---|---|---|
| **TMFA 200** | 126 | 98 | 83 | 110.3 |
| **TMFA 250** | 132.3 | 31.3 | 89.3 | 116.6 |
| **TMFA 315** | 141.5 | 40.5 | 98.5 | 125.8 |
| **TMFA 400** | 152 | 51 | 109 | 136.3 |
| **TMFA 470** | 160 | 59 | 117 | 144.3 |
| **TMFA 500** | 166 | 65 | 123 | 150.3 |
| **TMFA 630** | 162 | 61 | 119 | 146.3 |
| **TMFA 725** | 171 | 70 | 128 | 155.3 |

## SPECIFICATION DATA

| Type | | TMF 200 | TMF 250 | TMF 315 | TMF 400 | TMF 470 | TMF 500 | TMF 630 | TMF 725 |
|---|---|---|---|---|---|---|---|---|---|
| Displacement cm3/rev | | 201.4 | 251.8 | 326.3 | 410.9 | 475 | 523.6 | 631.2 | 724 |
| Max. Speed rpm | cont. | 625 | 500 | 380 | 305 | 260 | 240 | 185 | 170 |
| | int.* | 750 | 600 | 460 | 365 | 315 | 285 | 225 | 215 |
| Max. Torque danM | cont./ | 72 | 90 | 116 | 147 | 171 | 172 | 175 | 160 |
| | int.* | 102 | 128 | 163 | 206 | 215 | 215 | 215 | 192 |
| | Peak** | 115 | 144 | 186 | 235 | 240 | 240 | 250 | 240 |
| Max. Output Power kW | cont./ | 41 | 41 | 41 | 41 | 41 | 37.5 | 28 | 26 |
| | int.* | 65 | 70 | 70 | 70 | 55 | 51 | 42 | 40 |
| Max. Pressure Drop bar | cont./ | 250 | 250 | 250 | 250 | 250 | 230 | 185 | 160 |
| | int.* | 350 | 350 | 350 | 350 | 350 | 280 | 225 | 210 |
| | Peak** | 400 | 400 | 400 | 400 | 400 | 320 | 270 | 260 |
| Max. Oil Flow l/min | cont. | 125 | | | | | | | |
| | int.* | 150 | | | | | | | |
| Max. Inlet Pressure bar | cont. | 270 | | | | | | | |
| | int.* | 370 | | | | | | | |
| | Peak** | 420 | | | | | | | |
| Max. Return Pressure without Drain Line or Max. Pressure in Drain Line | Cont. 0 - 100 rpm | 75 | | | | | | | |
| | Cont. 100 - 300 rpm | 40 | | | | | | | |
| | Cont. <300 rpm | 20 | 20 | 20 | 20 | 20 | - | - | - |
| | Int.* 0-Max rpm | 75 | | | | | | | |
| Max. Return Pressure with Drain Line | Cont. | 270 | | | | | | | |
| | Int.* | 370 | | | | | | | |
| | Peak ** | 420 | | | | | | | |
| Max. Starting Pressure with Unloaded Shaft | | 6 | | | | | | | |
| Min. Starting Torque daNm | | 60 | 75 | 97 | 122 | 142 | 143 | 145 | 148 |
| Min. Speed/*** rpm | | 5 | | | | | | | |
| Weight kg | | 26.9 | 27.3 | 28.1 | 29 | 29.7 | 30.2 | 29.7 | 31 |

*Intermittent operation: The permissible values may occur for max. 10% of every minute.

**Peak load: The permissible values may occur for max. 1% of every minute.

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***For speeds lower than given, consult factory or your regional manager.

****Motor brakes must always have a drain line. The brake release pressure is the difference between the pressure in the brake release line and the pressure in the drain line.

1. Intermittent speed and intermittent pressure must not occur simultaneously.

2. Recommended filtration is per ISO cleanliness code 20/16. A nominal filtration of 25 micron or better.

3. Recommend using a premium quality, anti-wear type mineral based hydraulic oil HLP (DIN51524) or HM ( ISO 6743/4). If using synthetic fluids consult the factory for alternative seal materials.

4. Recommended minimum oil viscosity 13 mm²/s at 50°C.

5. Recommended maximum system operating temperature is 82°C.

6. To assure optimum motor life fill with fluid prior to loading and run at moderate load and speed for 10-15 minutes.