

1 MTS 40-60 R46 DQ



Screw spindle pump designed for pumping of cooling lubricants and cutting oils water/oil emulsion min. 3% for machine tool applications. The pump is designed to be mounted on top of tanks with pump immersed in the pumped liquid.

The pump has the following characteristics:

- High efficiency ensures very low heat input into the cooling lubricant.
- Axial thrust completely neutralised hydrostatically.
- Very wear resistant due specially hardened surfaces.
- DQ - shaft seal ring.
- Power transmission via cast iron flexible coupling.

The motor is a 3-phase AC motor.

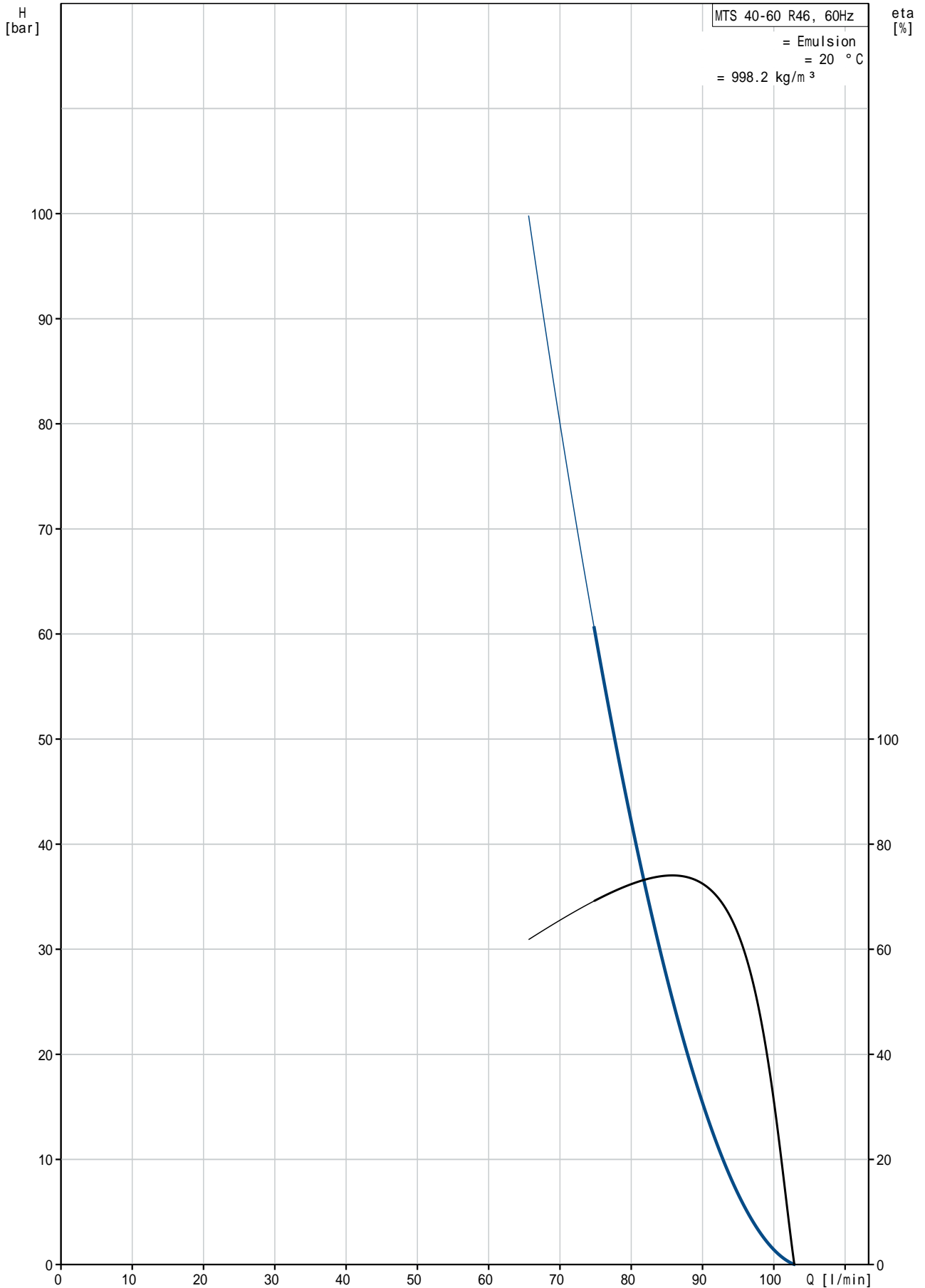
|             |   |                         |
|-------------|---|-------------------------|
| :           | : | Emulsion                |
| :           | : | 80 °C                   |
| :           | : | 20 °C                   |
| :           | : | 998.2 kg/m <sup>3</sup> |
| :           | 가 | : 3500 rpm              |
| 1           | : | 75 l/min                |
| 가:          | : | DQ                      |
| :           | : | CE,EAC                  |
| :           | : | 60 °C                   |
| :           | : | 60 bar                  |
| :           | : | G1 1/4"                 |
| :           | : | G 3/4" / SAE 1"         |
| :           | : | 286 mm                  |
| :           | : | FF300                   |
| IE          | : | 160MB                   |
| - P2:       | : | IE2 - IE3               |
| (P2):       | : | 11 kW                   |
| :           | : | 10.8 kW                 |
| :           | : | 60 Hz                   |
| :           | : | 3 x 220-277D/380-480Y V |
| :           | : | 36,0-30,0/20,8-17,2 A   |
| cos phi -   | : | 580-890 %               |
| :           | : | 0.89-0.83               |
| :           | : | 3520-3550 rpm           |
| :           | : | IE2 90,2% - IE3 91,0%   |
| 3/4         | : | 90.2-91.0 %             |
| 1/2         | : | 91.8 %                  |
| :           | : | 91.3 %                  |
| :           | : | 2                       |
| (IEC 34-5): | : | 55 Dust/Jetting         |

(IEC 85): F

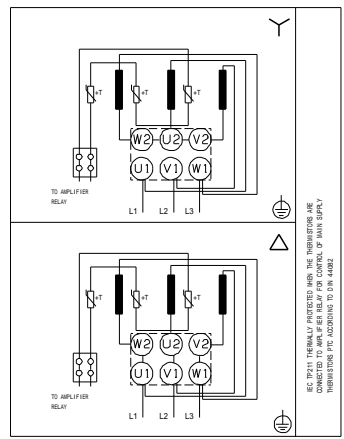
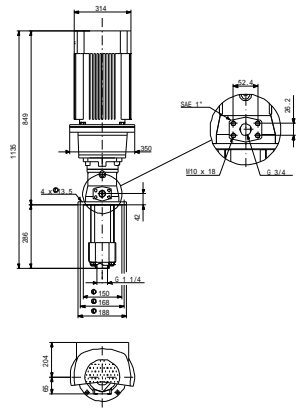
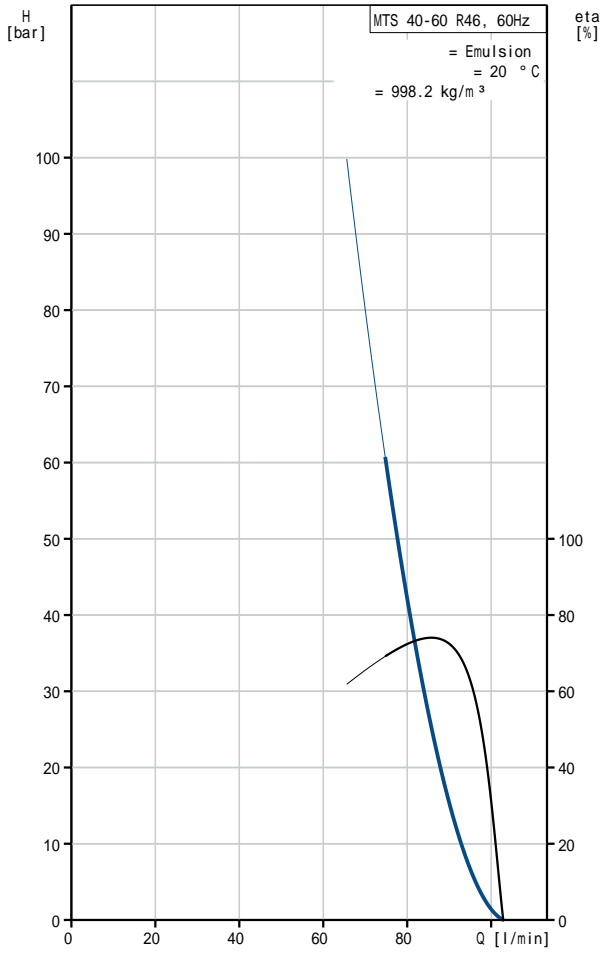
:

: 122 kg

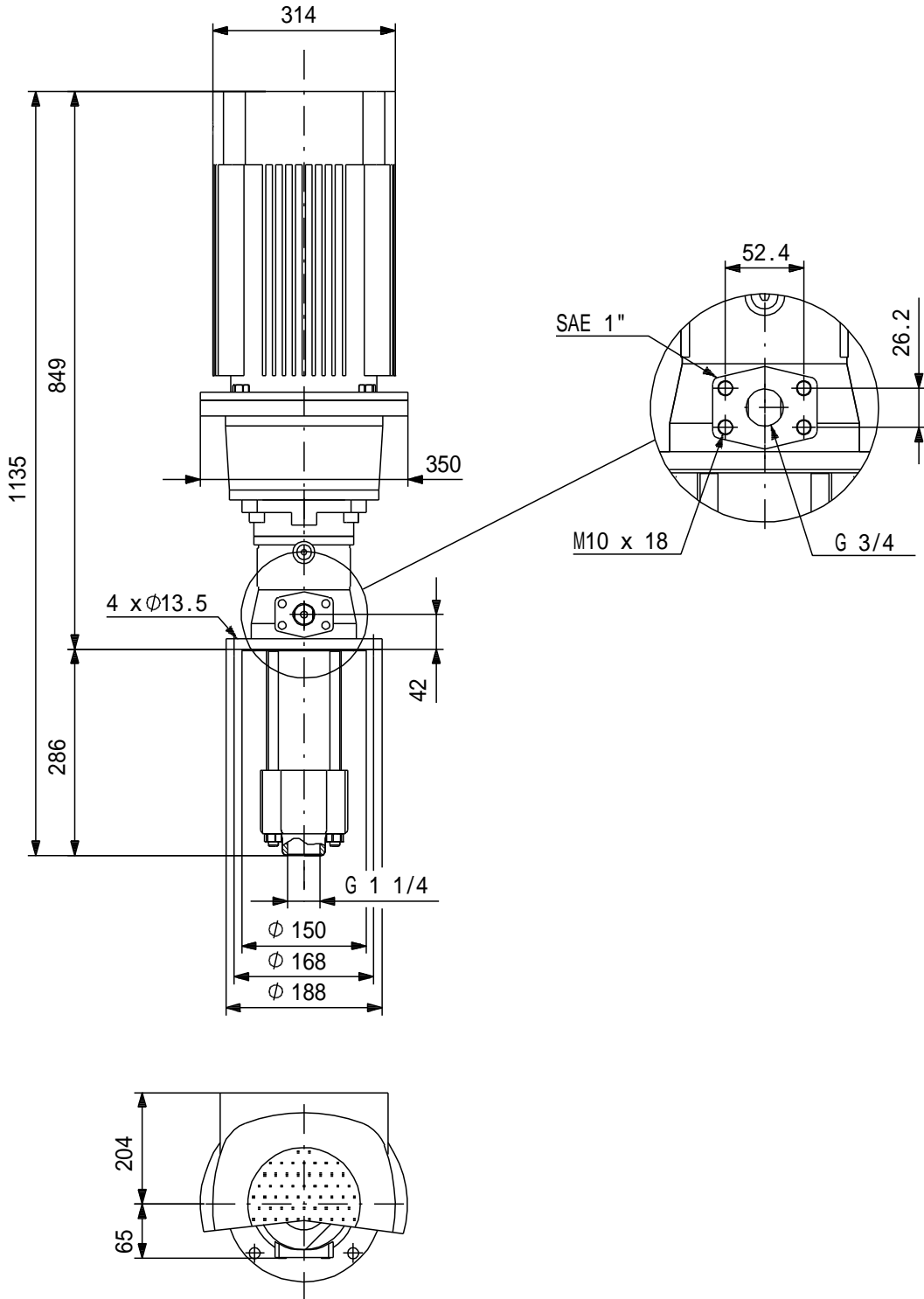
### MTS 40-60 R46 DQ 60 Hz



|                  |                         |
|------------------|-------------------------|
| MTS 40-60 R46 DQ |                         |
| EAN              |                         |
| 가                | 3500 rpm                |
|                  | 75 l/min                |
| 1                | DQ                      |
| 가:               | CE, EAC                 |
|                  | A                       |
|                  | 60 °C                   |
|                  | 60 bar                  |
|                  | G1 1/4"                 |
|                  | G 3/4" / SAE 1"         |
|                  | 286 mm                  |
|                  | FF300                   |
|                  | Emulsion                |
|                  | 80 °C                   |
|                  | 20 °C                   |
|                  | 998.2 kg/m <sup>3</sup> |
|                  | 160MB                   |
| IE               | IE2 - IE3               |
| - P2:            | 11 kW                   |
| (P2):            | 10.8 kW                 |
|                  | 60 Hz                   |
|                  | 3 x 220-277D/380-480Y V |
|                  | 36,0-30,0/20,8-17,2 A   |
|                  | 580-890 %               |
| cos phi -        | 0.89-0.83               |
|                  | 3520-3550 rpm           |
|                  | IE2 90,2% - IE3 91,0%   |
|                  | 90.2-91.0 %             |
| 3/4              | 91.8 %                  |
| 1/2              | 91.3 %                  |
|                  | 2                       |
| (IEC 34-5):      | 55 Dust/Jetting         |
| (IEC 85):        | F                       |
|                  | PTC                     |
|                  | 87420001                |
| Pos term         | 12 o'clock              |
|                  | 122 kg                  |
|                  | 3 %                     |
|                  | 46                      |



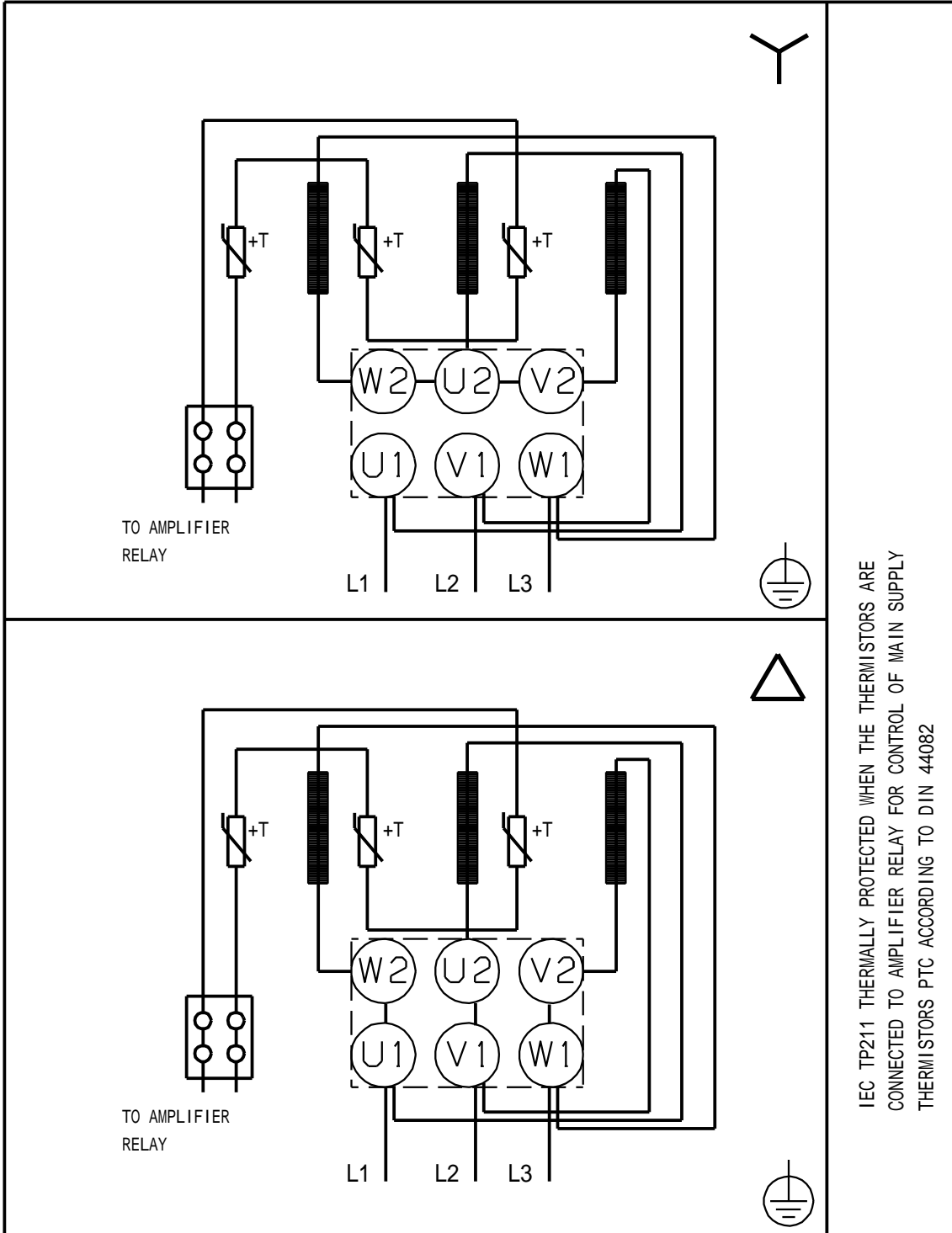
MTS 40-60 R46 DQ 60 Hz



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[mm]

MTS 40-60 R46 DQ 60 Hz



IEC TP211 THERMALLY PROTECTED WHEN THE THERMISTORS ARE  
CONNECTED TO AMPLIFIER RELAY FOR CONTROL OF MAIN SUPPLY  
THERMISTORS PTC ACCORDING TO DIN 44082