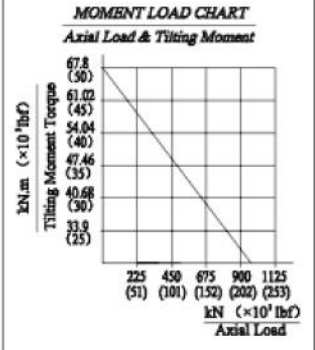


| Worm Drive Performance Data      |           |                               |
|----------------------------------|-----------|-------------------------------|
| Output Speed (Intermittent)      | 1.26 rpm  |                               |
| Rated Output Torque              | 6923 N.m  | 5109.2 lbf.ft                 |
| Tilting Moment Torque (Max.)     | 67.8 kN.m | 50.2 × 10 <sup>3</sup> lbf.ft |
| Holding Torque                   | 48 kN.m   | 35.4 × 10 <sup>3</sup> lbf.ft |
| Axial Load (Max.)                | 920 kN    | 207 × 10 <sup>3</sup> lbf     |
| Radial Load (Max.)               | 343 kN    | 77.2 × 10 <sup>3</sup> lbf    |
| Ratio of Worm Gear               | 86:1      |                               |
| Backlash                         | ≤ 0.13 °  |                               |
| Hydraulic Motor Performance Data |           |                               |
| Pressure                         | 10 MPa    |                               |
| Flow                             | 20 L/min  |                               |



**Hydraulic Motor Performance Data**

BMRS160 [157.2cm<sup>3</sup>/rev.]

| Pressure (MPa) | continue (max.) |     | intermittent (max.) |     |
|----------------|-----------------|-----|---------------------|-----|
|                | 5               | 7   | 9                   | 10  |
| 10             | 115             | 160 | 203                 | 220 |
| 20             | 58              | 55  | 52                  | 50  |
| 30             | 114             | 160 | 205                 | 230 |
| 40             | 119             | 115 | 111                 | 108 |
| 50             | 105             | 158 | 202                 | 221 |
| 60             | 184             | 181 | 177                 | 172 |
| 70             | 100             | 145 | 196                 | 218 |
| 75             | 246             | 244 | 239                 | 237 |

| Flow (L/min) | continue (max.) |     | intermittent (max.) |      |
|--------------|-----------------|-----|---------------------|------|
|              | 12              | 14  | 16                  | 17.5 |
| 10           | 260             | 300 | 340                 | 362  |
| 20           | 114             | 160 | 205                 | 230  |
| 30           | 119             | 115 | 111                 | 108  |
| 40           | 105             | 158 | 202                 | 221  |
| 50           | 184             | 181 | 177                 | 172  |
| 60           | 100             | 145 | 196                 | 218  |
| 70           | 246             | 244 | 239                 | 237  |
| 75           | 90              | 140 | 190                 | 209  |
|              | 307             | 305 | 302                 | 300  |
|              | 84              | 136 | 180                 | 199  |
|              | 370             | 368 | 364                 | 362  |
|              | 65              | 120 | 164                 | 180  |
|              | 435             | 434 | 430                 | 427  |
|              | 59              | 116 | 158                 | 175  |
|              | 465             | 462 | 458                 | 456  |

Torque (N.m) 378  
Speed (rpm) 130

Note: Side A facing up when mounted.

|  |      |            |                          |
|--|------|------------|--------------------------|
| www.eurograb.nl / info@eurograb.nl   |      |            |                          |
| REV  | DATE | REVISER    | DESCRIPTION              |
| DESIGNED BY  |      | 30-06-2014 | Eurograb<br>Aanbouwdelen |
| CHECKED BY   |      | 30-06-2014 |                          |
| APPROVED BY  | Andy | 30-06-2014 |                          |
| ALL PROPRIETARY RIGHTS IN THE SUBJECT MATTER HERE OF ARE RESERVED, AND NO PERMISSION IS GRANTED OR TO DISCLOSE REPRODUCE THIS PRINT IN WHOLE OR IN PART, ANY OF THE INFORMATION TO OTHERS. |      | WEIGHT     | SCALE                    |
|  |      |            | 1:4                      |
|  |      | SIZE       | Title                    |
|  |      | A3         | WORM DRIVE               |
| SYMBOLS ISO  |      | SHEET      | Model No.                |
|  |      | 1 / 1      | WEA14                    |
|  |      |            | Part No.                 |
|  |      |            | 86-HR-160-A-2224         |
|  |      |            | Rev                      |
|  |      |            | A                        |