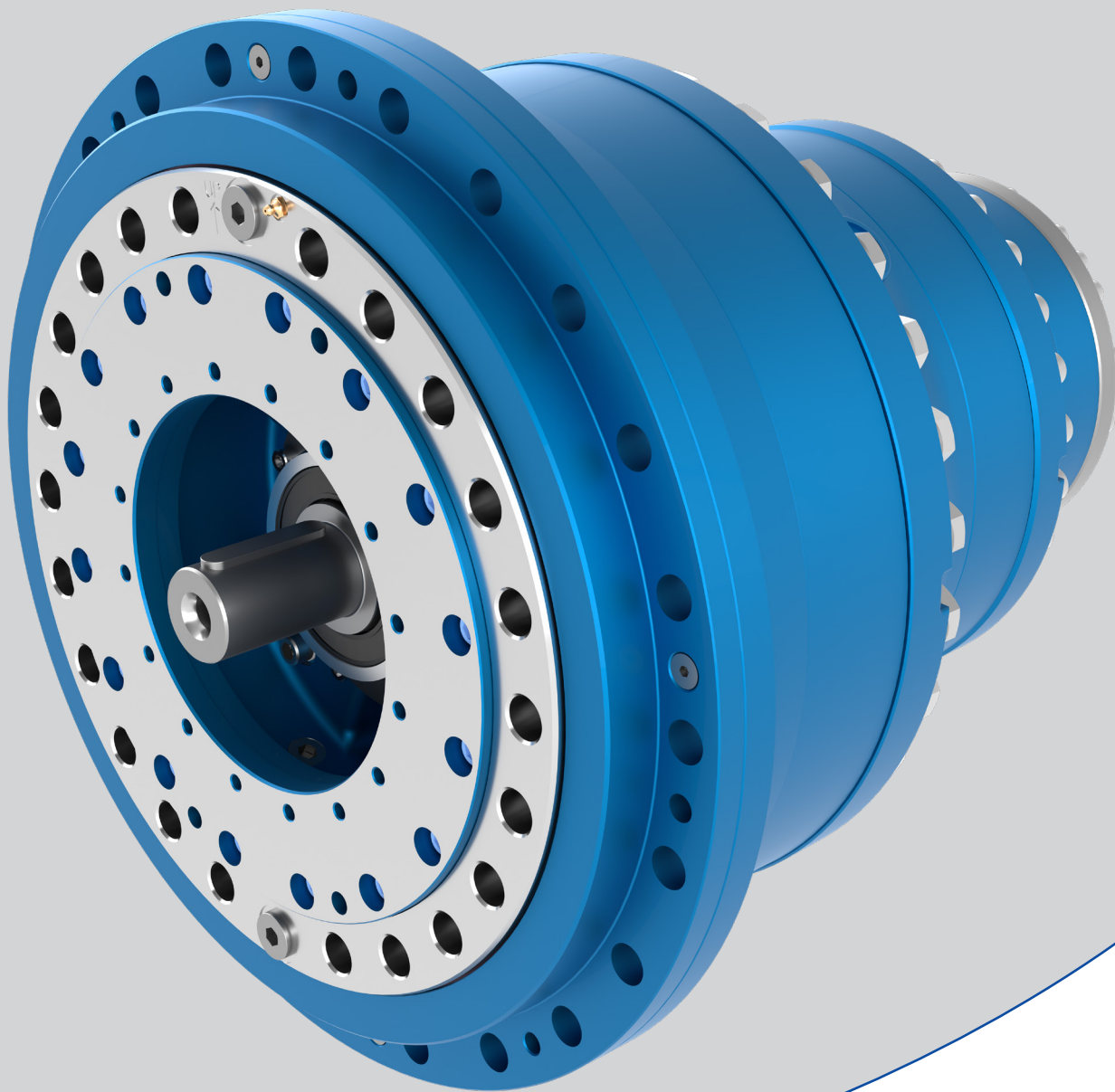




**EP** **WINCH**



[rossi.com](http://rossi.com)





**EP WINCH** is a system specifically designed for driving winches that find applications, for example, in tower cranes and winder machines.

**EP WINCH** is an innovative solution that, thanks to its advanced design, ensures a high level of reliability and

guarantees high standards of productivity due to its wide range of allowable speeds. The Winch rotating housing gearbox is mounted directly inside the drum, reducing the overall winch dimensions and improving the system integration.

## Features

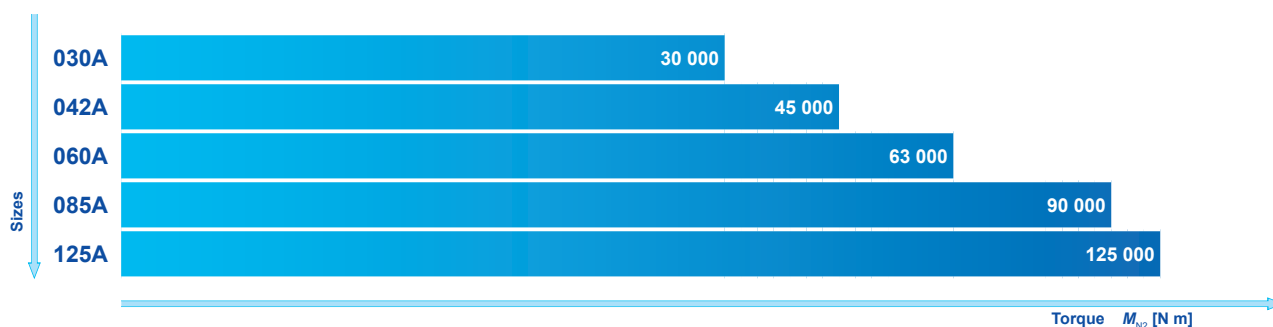
## Benefits

|                     |   |                                                   |
|---------------------|---|---------------------------------------------------|
| Compact design      | → | Suitable for all winch applications               |
| Modular system      | → | Easy installation and maintenance                 |
| Flexible design     | → | Suitable for both electrical and hydraulic motors |
| DNV Type Approval   | → | Suitable for marine applications                  |
| Cutting-edge design | → | Very high speeds allowed                          |

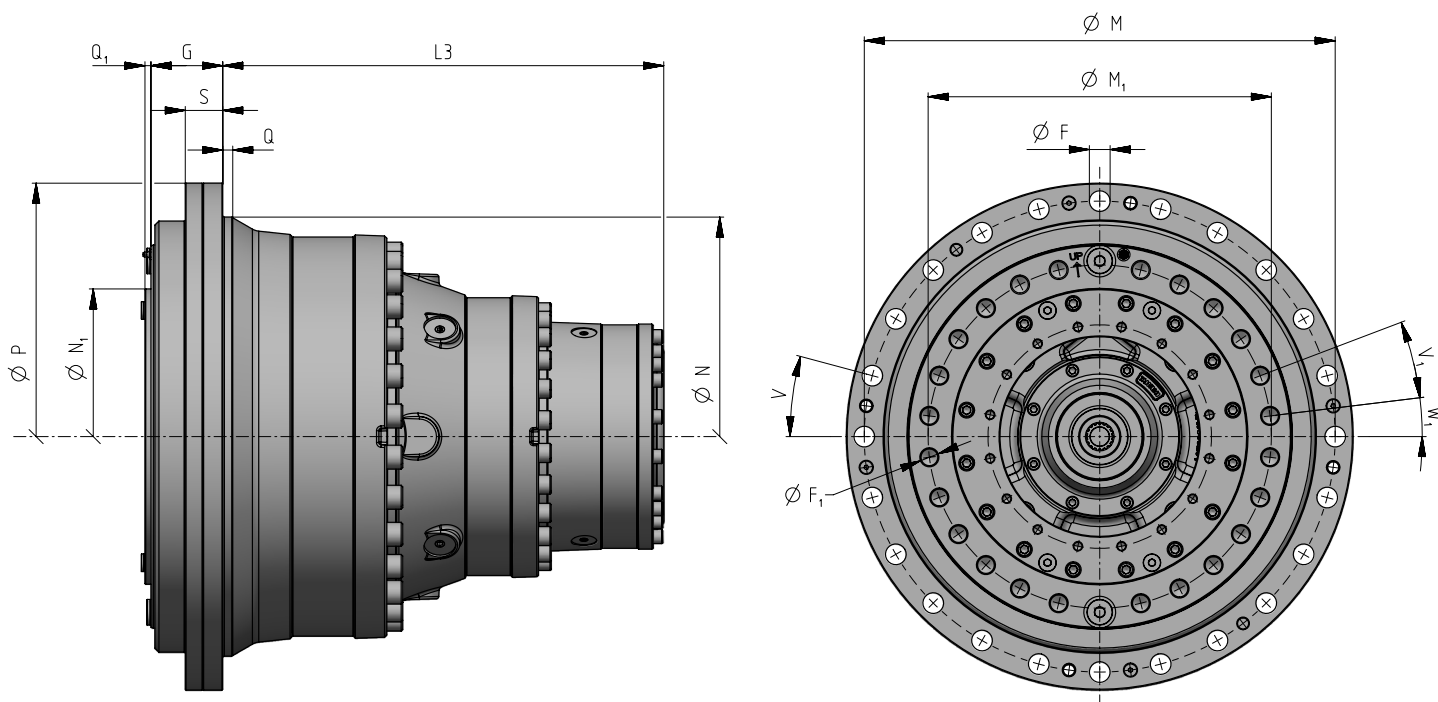
## Technical specifications

- 5 sizes (030A ... 125A)
- Torque up to 125 000 N m
- Suitable for both electric and hydraulic motors
- Hydraulic parking brakes available

## EP WINCH product range



## Main dimensions

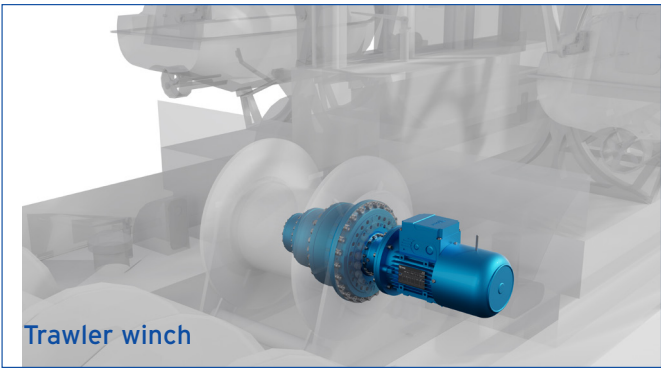


|            | $\varnothing P$ | $\varnothing M$ | $\varnothing N$<br>f7 | Q    | $\varnothing F$ | V   | S  | L3  | G  | $M_1$ | $\varnothing N_1$<br>h6 | $Q_1$ | $\varnothing F_1$ | $W_1$  | $V_1$   |
|------------|-----------------|-----------------|-----------------------|------|-----------------|-----|----|-----|----|-------|-------------------------|-------|-------------------|--------|---------|
| R 3WL 030A | 444             | 415             | 386                   | 41   | 24x17           | 15° | 30 | 377 | 80 | 290   | 256                     | 6,5   | 30xM16            | 0°     | 11° 15' |
| R 3WL 042A | 530             | 490             | 440                   | 9    | 24x22           | 15° | 40 | 394 | 90 | 352   | 315                     | 6,5   | 22xM24            | 0°     | 15°     |
| R 3WL 060A | 565             | 520             | 470                   | 18   | 18x26           | 20° | 47 | 430 | 90 | 380   | 325                     | 7     | 22xM24            | 0°     | 15°     |
| R 3WL 085A | 635             | 560             | 550                   | 12,5 | 24x26           | 15° | 47 | 553 | 90 | 430   | 370                     | 7,5   | 24xM24            | 6° 55' | 13° 51' |
| R 3WL 125A | 680             | 630             | 580                   | 10   | 24x26           | 15° | 45 | 601 | 90 | 470   | 420                     | 7,5   | 22xM30            | 0°     | 15°     |

## Transmission ratios and rating torque

|            | Transmission ratio $i$ |      |      |      |      |     |     |     |     |     | $M_{N2 \text{ FEM}}$<br>N m | $M_{zmax}$<br>N m | $M_{zstat}$<br>N m |
|------------|------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----------------------------|-------------------|--------------------|
| R 3WL 030A | 49,6                   | 59,1 | 70,3 | 75,2 | 89,4 | 105 | 114 | 134 | 146 | 172 | 31 790                      | 55 700            | 57 000             |
| R 3WL 042A | 50,7                   | 60,4 | 71,9 | 84,2 | 91,4 | 107 | 126 | 137 | 160 | -   | 47 320                      | 82 700            | 87 000             |
| R 3WL 060A | 49,6                   | 59,1 | 70,3 | 75,2 | 89,4 | 105 | 114 | 134 | 146 | 172 | 61 180                      | 108 400           | 110 000            |
| R 3WL 085A | -                      | 59,1 | 70,3 | 76,1 | 89,4 | 105 | 115 | 135 | 146 | 172 | 90 340                      | 144 900           | 150 000            |
| R 3WL 125A | -                      | 60,4 | 71,9 | 84,2 | 91,4 | 107 | 126 | 136 | 160 | -   | 119 460                     | 207 500           | 212 000            |

Examples of application



over  
**1,000** people around  
the world



**5,000** customers  
worldwide



**70** years of  
experience



**18** affiliated  
companies



**5** production  
facilities  
**8** assembly  
plants



**18** authorized  
service centers

