



## High performance gearbox ZE-H

Characteristics and duty cycle thermal limit

**35 to 200 kN**

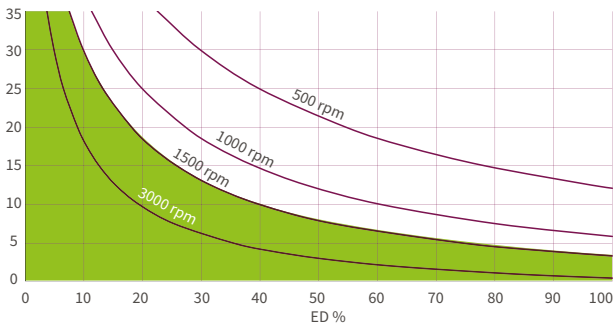
### ZE-H Series Features

- 1 Higher performance possible:  
In comparison to standard gearboxes, the ZE-H series can drive significantly higher loads at the same speed, or higher speeds at the same load.
- 2 Higher operating cycle possible
- 3 Speeds of up to 3000 rpm
- 4 Optimised gearing with increased lifetime.  
Manufactured on high-precision gear cutting and grinding machines
- 5 Fully synthetic worm gear oil
- 6 Reduced twist-flank play in the worm gear.
- 7 Spindle grease optimized for high performance
- 8 Improved temperature endurance during both continuous and peak loads
- 9 High quality gaskets
- 10 Simplified maintenance when changing the lubricant: if necessary, an easy oil change is possible.

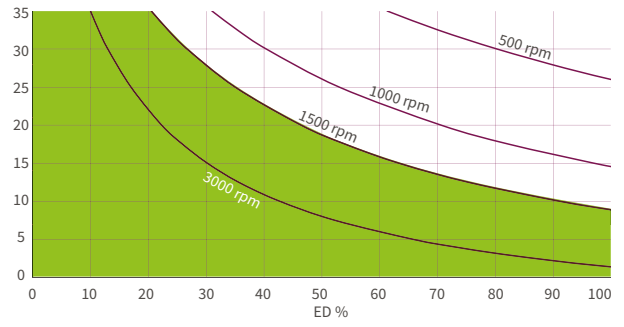


These charts are for orientation under standard industrial conditions (ambient temperature, etc.) and proper maintenance (lubrication, etc.). The charts are based on the ZIMM Standard Trapezoidal Thread. With ball screws the duration of operating cycles can be much longer.

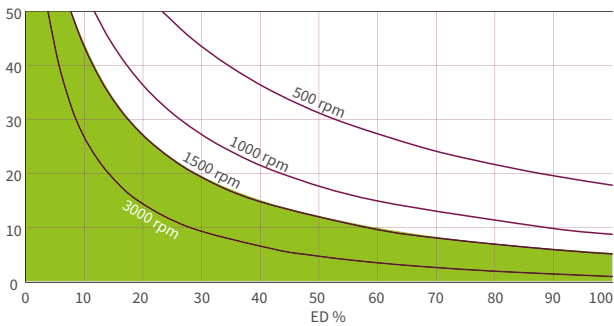
**ZE-H 35 kN Oil lubricated with 7:1 ratio**



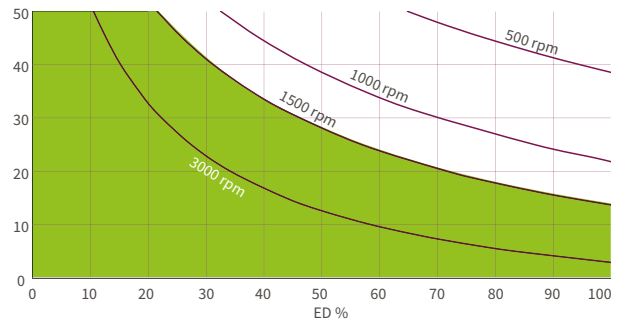
**ZE-H 35 kN Oil lubricated 28:1 ratio**



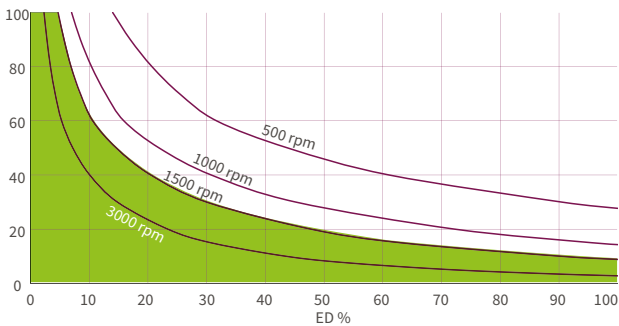
**ZE-H 50 kN Oil lubricated with 7:1 ratio**



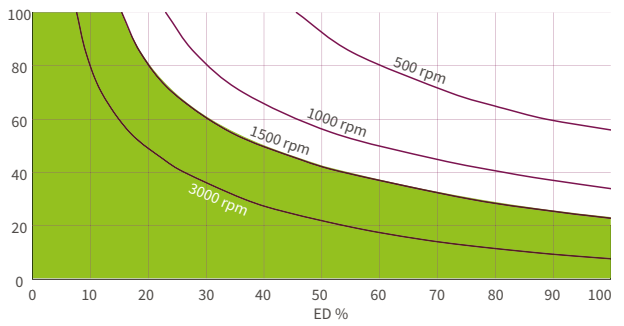
**ZE-H 50 kN Oil lubricated 28:1 ratio**



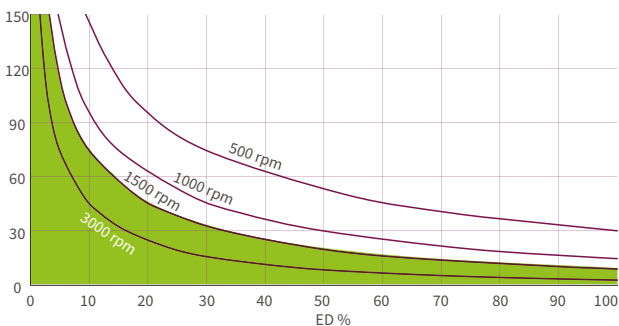
**ZE-H 100 kN Oil lubricated with 9:1 ratio**



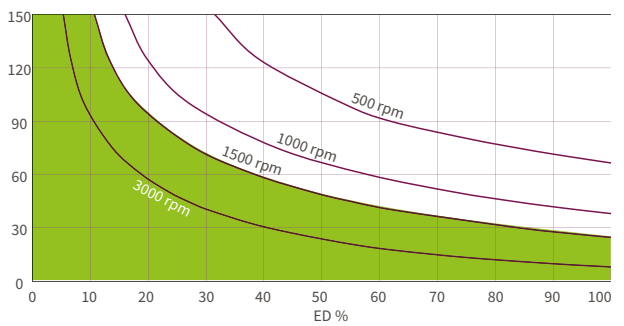
**ZE-H 100 kN Oil lubricated 36:1 ratio**



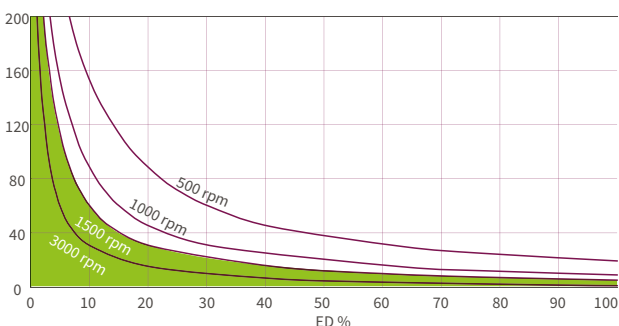
**ZE-H 150 kN Oil lubricated with 9:1 ratio**



**ZE-H 150 kN Oil lubricated 36:1 ratio**



**ZE-H 200 kN Oil lubricated with 8:1 ratio**



**ZE-H 200 kN Oil lubricated 24:1 ratio**

