



RIGHT ANGLE GEARBOXES, DEDICATED FOR COOLING TECHNOLOGY

Hansen M5CT

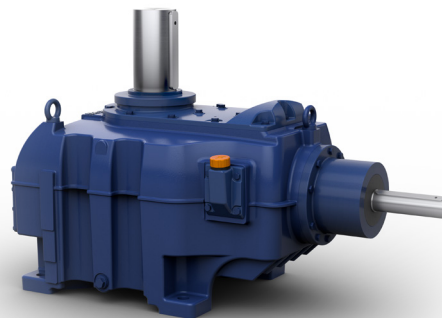
Overview

- Vertical Right Angle 2-stage industrial gearbox series.
- Specifically designed for Cooling Technology applications:
 - Wet Cooling Tower fan drives
 - Air Cooled Condenser fan drives.
- Dedicated product: cost efficient, robust & easy to maintain.
- Available in 7 sizes (13-53 kNm).



Advantages of Hansen M5CT Cooling Technology series

- **Dedicated industrial gearbox**
Best possible fit for Wet Cooling Towers and Air Cooled Condensers (induced draft types)
- **Designed in accordance with CTI standards**
Manufactured to be compliant with Cooling Technology Institute (CTI) specifications
- **Best out of Hansen P4, Hansen M4ACC and PARAMAX SFC**
Rely on decades of experience and more than 20.000 installations in the field
- **Rigid housing, dynamic stability**
Smooth transition of high axial loads coming from the rough application
- **Optimized gearing from Hansen P4 range**
Proven design, maximum load capacity, minimum losses and quiet operation
- **Advanced design to withstand the peak fluctuations during start-up**
Selection method taking starts and stops into account, specifically for ACC applications
- **Reliable lubrication and sealing, less maintenance**
Oil lubrication without outside pipes, Oil seal hood for reliable protection against the ingress of dust & water
- **High resistance in corrosive and extreme humidity environments**
Standard high-quality paint conform ISO C5 corrosion category, stainless steel bolts, use of durable instruments
- **Numerous instruments & accessories**
E.g. Optional condition monitoring: Temperature, oil flow and vibrations



Technical Information

13 - 53 kNm

Output Torque

7 sizes

Dedicated

2-stages

Right-angle

6.3 - 22.4

Reduction Ratios

| Size Range | CA | DA | DX | EA | EX | FA | FX |
|------------------------|--|--------|--------|--------|--------|--------|--------|
| Nominal Output Torque | 13 kNm | 18 kNm | 23 kNm | 28 kNm | 36 kNm | 41 kNm | 53 kNm |
| Output shaft Direction | Vertical upward | | | | | | |
| Shaft type | Solid shaft | | | | | | |
| Shaft configuration | Right Angle | | | | | | |
| Gears | Helical and Bevel gears - designed and rated in accordance with AGMA | | | | | | |
| Housing Type | Dedicated housing with integrated cooling fins | | | | | | |
| Lubrication Type | Standard oil splash and optional pump, both without outside piping | | | | | | |
| Bearings output shaft | Extended Bearing span with heavy-duty roller bearings | | | | | | |
| Input speed | Up to 1800 rpm | | | | | | |

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