

c-comp

Air Compressor with  
Integrated Clutch

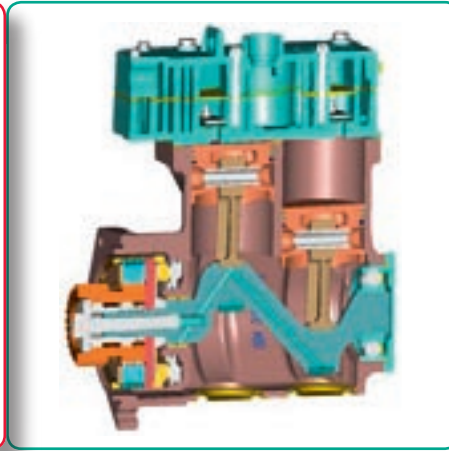


- Highly **EFFICIENT** compressor with fully **INTEGRATED CLUTCH**
- Full compressor drive disengagement offers significant **ENERGY SAVINGS**
- **MORE ENGINE POWER** available during compressor idling
- **INCREASES DRIVER'S COMFORT** and benefits the **ENVIRONMENT**



**WABCO**

Maximum annual fuel savings for a typical long haul application (150,000 km/yr) with c-comp



## HIGHLY EFFICIENT COMPRESSOR

The WABCO c-comp is an air compressor with integrated clutch. It has a simple on-off control and only draws power from the engine in pumping phase, switching off completely during the long off-load phase. This reduces the compressor's overall fuel and energy demand. A pneumatic signal is used to engage and disengage the clutch.

The WABCO c-comp builds on field proven WABCO Worldwide Modular (WWM) design principles, making it highly customizable. The multi-disk clutch can be integrated in single and twin cylinder compressors, both naturally aspirated and with turbocharged inlet air. Situated between the drive gear and crankshaft, the c-comp clutch is integrated into the compressor crankcase, requiring minimal additional built-in space of approximately 15 mm.

## SIGNIFICANT ENERGY SAVINGS

The WABCO c-comp clutch disengages the compressor when no air is needed, generating fuel savings of up to 1,000 liters over 150,000 km of long haul operation per year. Therefore, the WABCO c-comp is most effective on long haul commercial vehicles where braking frequency is very low, resulting in limited demand for compressed air.

## MORE ENGINE POWER

Up to 8 kW more engine power is available when the compressor is disengaged by the clutch.

## INCREASES DRIVER'S COMFORT AND BENEFITS THE ENVIRONMENT

Because the WABCO c-comp is fully disengaged during off-load, overall noise emissions are reduced. Less wear, less oil carryover and lower carbonization further increase the reliability of this maintenance-free clutch compressor and the entire air brake system. Reduced overall noise emissions and less oil carryover also contribute to environmental sustainability.

## CHOOSE WABCO C-COMP AND BENEFIT FROM:

- Annual fuel savings of up to 1,000 liters
- Reduced maintenance costs due to lower carbonization
- Enhanced driver comfort due to lower noise emission
- More engine power for acceleration during compressor off-load phase
- Additional fuel savings in conjunction with WABCO's new FuelGuard (Electronic Air Processing Unit)

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