

*We keep you moving*

**Gardner  
Denver**

TRANSPORT SOLUTIONS

## The Direct Drive Solution for 6 x 2 and 6 x 4 Installations



**DRUM**

Oil free Screw Compressors

**TR20 Tornado**

# 6x2 and 6x4 Chassis – The Direct Drive Solution

The Gardner Denver Tornado screw compressor is the latest machine to be developed for efficient unloading of dry bulk products from road tankers. Tornado solves the ever increasing challenge of installing a compressor

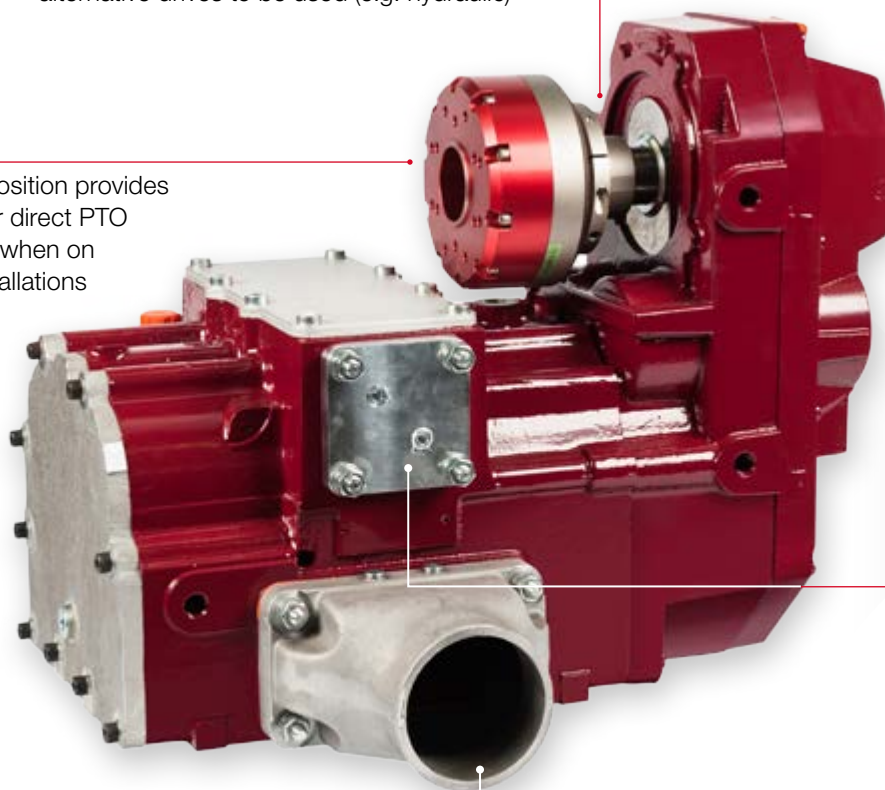
of sufficient capacity for the discharge of a wide variety of products onto six wheel and short wheel base vehicles, with the restrictions of space that legislation and other factors have imposed.

## Connecting Flange

Optional 4 bolt connecting flange allows alternative drives to be used (e.g. hydraulic)

## Drive Shaft

Elevated drive shaft position provides maximum flexibility for direct PTO propshaft positioning when on restricted chassis installations



## Outlet Ports

Outlet flanges positioned on both sides of the compressor provide increased mounting flexibility

## Inlet Flange

A low profile inlet flange reduces the installation envelope

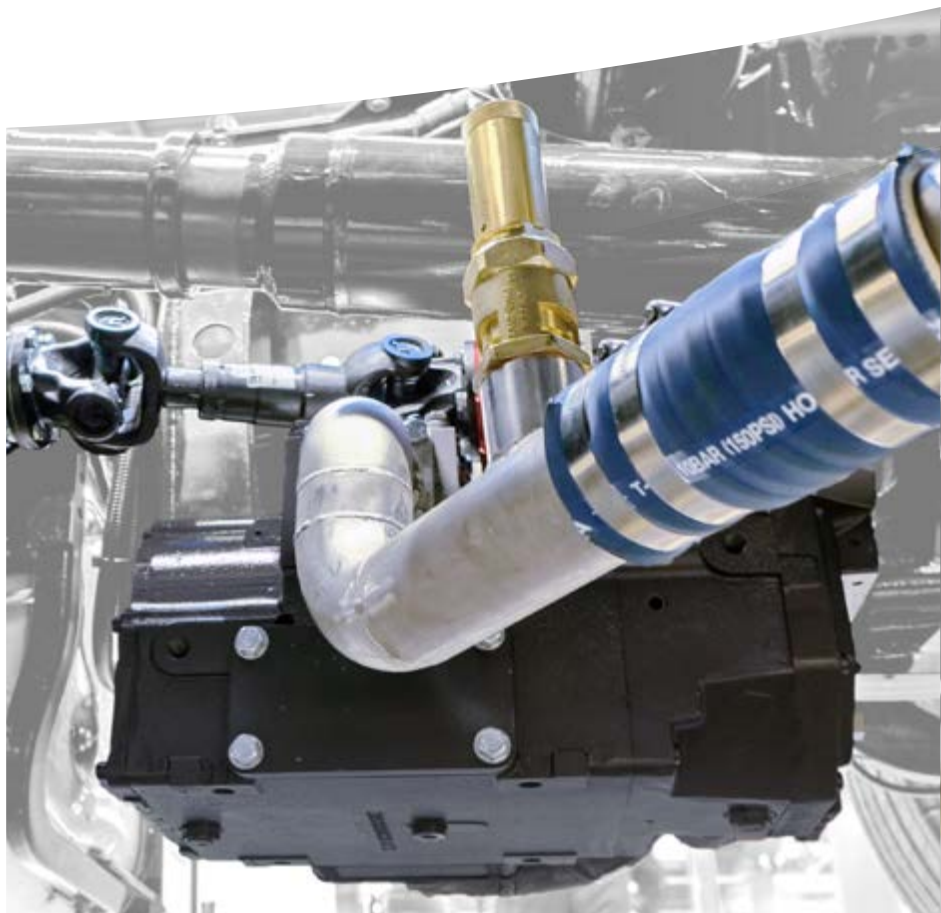
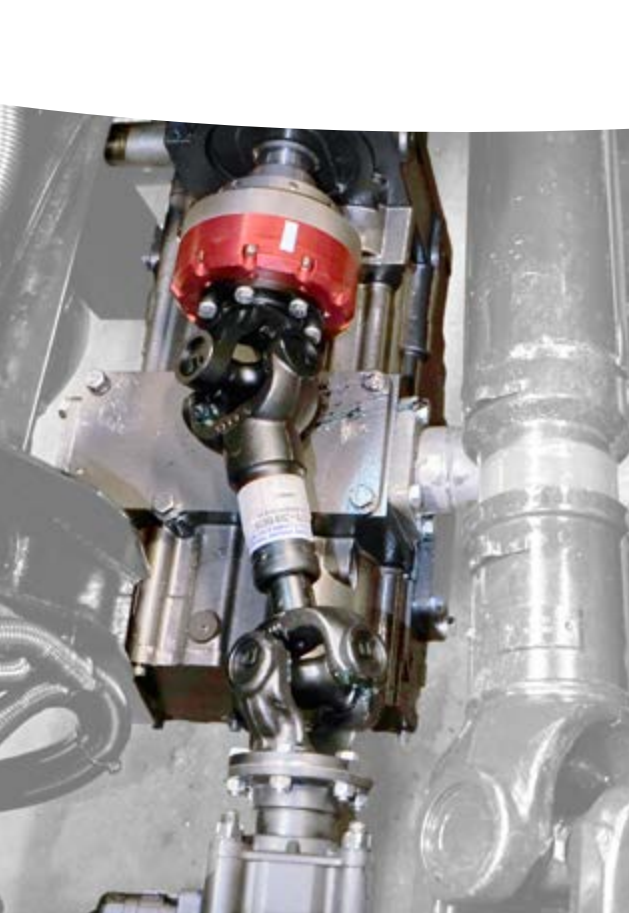
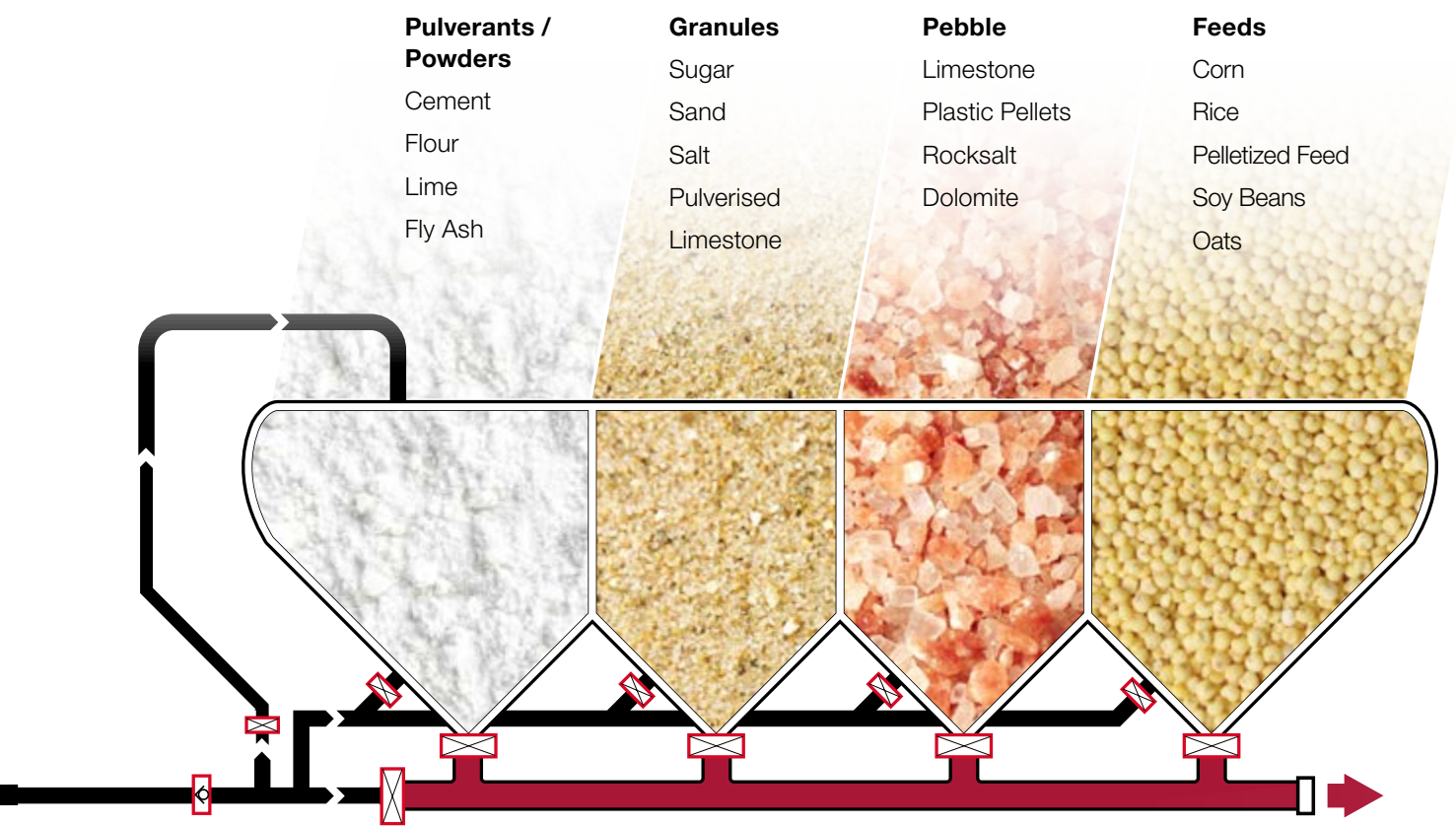
## Rotors

Coated steel screw rotors allow for maximum strength, performance and corrosion resistance





Designed for off-loading dry bulk products in the tank truck markets.



# TR20 Tornado

## Features & Benefits

- Suitable to discharge a wide variety of dry bulk products
- Simplified installation onto 6x2 and 6x4 tractor units or where space is limited for PTO direct drive.
- Greater operational efficiency through weight saving (extra payload) and a simplified drive method
- Oil free, contactless and contaminant free air compressor

## Peace of Mind

- Proven technology
- Robust and reliable
- Designed exclusively for truck application
- Low maintenance

## Low Noise

- Key developments in rotor design, synchronization and frequency combined with optimized porting has resulted in the production of our quietest screw compressor to date.

## Complete Package

- Tornado is complemented by our range of ancillary equipment and components to suit markets, duties and customer specification; including remote coolers, silencers and filters for general and food grade applications

## Low Discharge Temperature

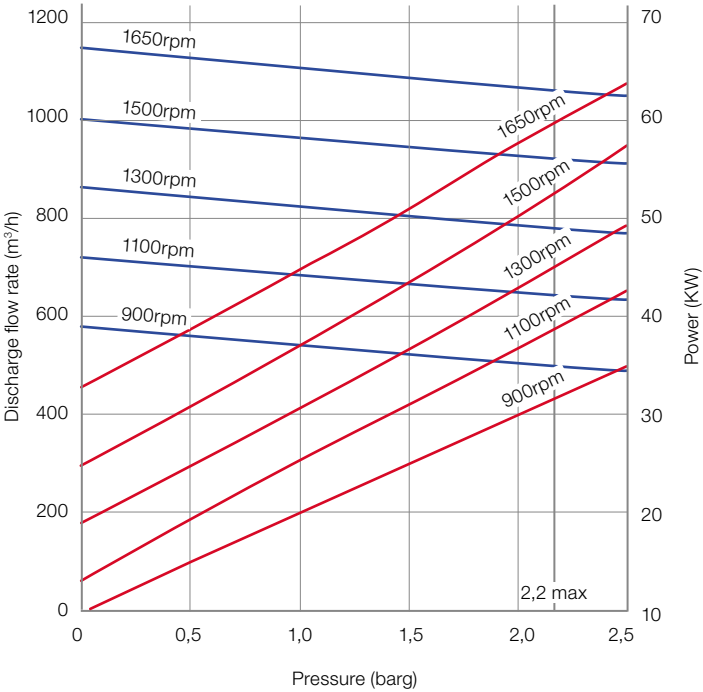
- Our special rotor configuration results in high performance and efficiency ensuring the lowest outlet temperature of any comparable truck mounted compressor

## Service & Backup

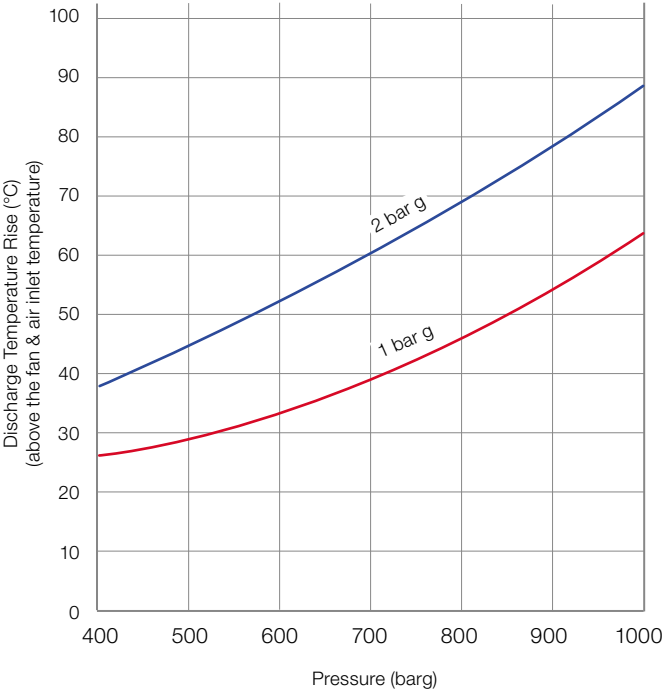
- Installed at Gardner Denver workshops or at our channel partners
- Extensive network of GD service engineers and service partners throughout the World
- Service Programs available throughout Europe



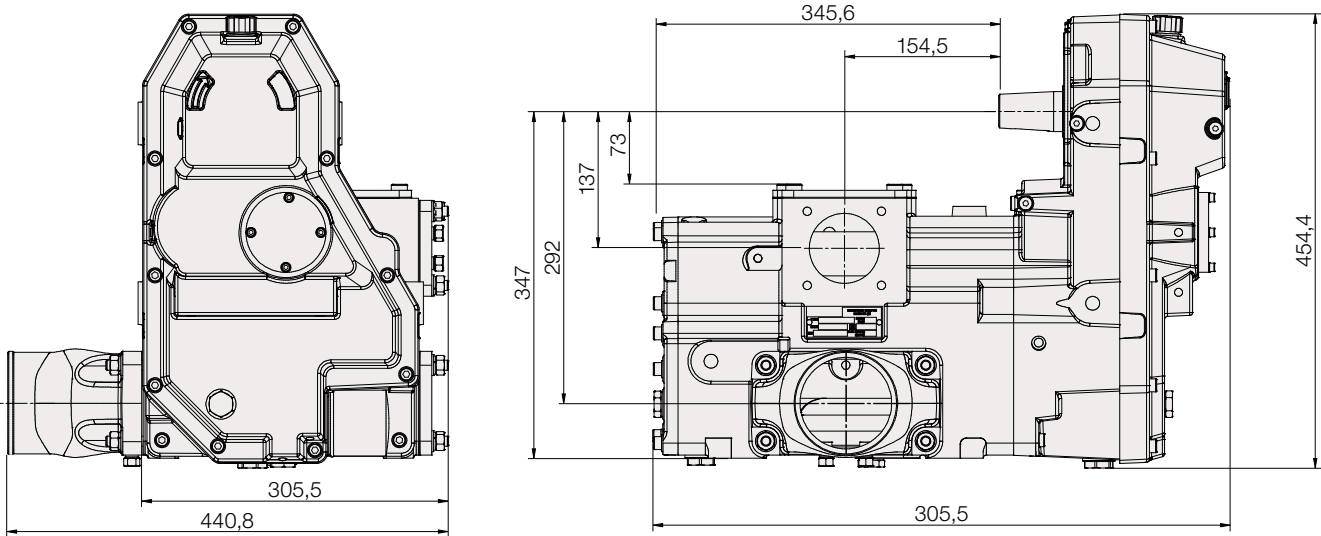
TR20 Discharge Flow and Input Power



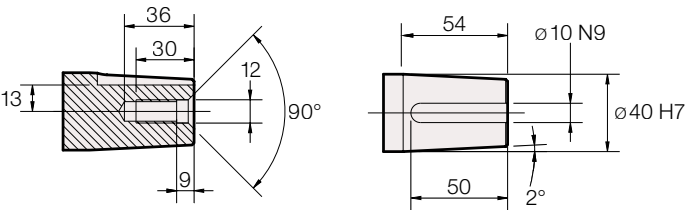
TR20 Cooler Discharge Temperature



Dimensional Data

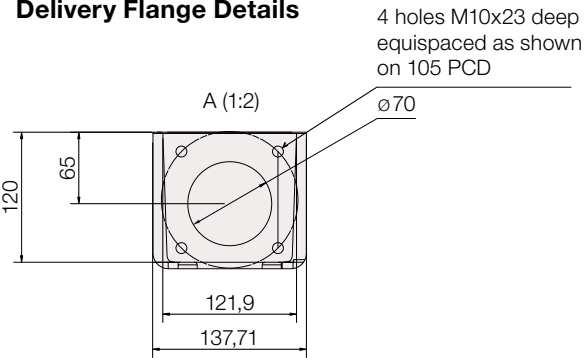


Shaft End Details



Weight Tornado: 140kg  
All dimensions in mm

Delivery Flange Details





# Accessories

## Remote Air Cooler

The remote air cooler is a modular assembly designed to combine with our range of compressors to supply cool air for discharging products sensitive to high temperature such as sugars and plastics.



## Hydrapak

The Hydrapak is a compact, low weight design containing the reservoir, return filter, radiator, cooling fan and system relief valve so that it simply needs to be mounted on the vehicle and connected to the hydraulic system. This reduces significantly the complete system installed weight from that of a traditional oil reservoir (tank).



## Micronic Filters

The M329 range of stainless steel discharge filters provide a complete air filtration ( $5\mu\text{m}$ ) and condition monitoring system to prevent the contamination/degradation of liquid and dry products (e.g. foods and plastics) in the tanker offloading industry.



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Please contact your Gardner Denver product representative for a Technical Data Sheet or further information on any of these products.

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