



GHH RAND®

// Transport Solutions

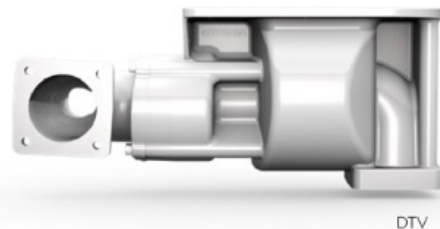
Belt Driven IC intercooled solutions for dry bulk tankers



Engineered for excellence, GHH RAND® belt-driven IC compressor solutions deliver clean, oil-free, and cooled compressed air - ideal for the pneumatic conveyance of heat-sensitive dry bulk materials commonly used in the food, chemical, and plastics industries.

The CS1050 IC solution is enhanced by a cutting-edge silencing concept developed at our Centre of Engineering Excellence in Germany. This includes the DTV silencer, a market-first innovation in the Road Transport Dry Bulk sector. Its unique reactive design ensures substantially improved noise perception while preventing infill material from entering the discharge line. Additionally, its advanced construction reduces back pressure and system weight, boosting overall efficiency.

Manufactured in Germany, our compressor solutions stand for exceptional quality, reliability, and durability—delivering consistent performance and operational efficiency, day after day.



DTV

Complete Solution | Ready to Install | Cooled Discharge Air | Low Noise



www.ghhrand-transport.com

Applications

GHH RAND® dry-running rotary screw solutions are perfectly engineered to discharge bulk materials efficiently, helping to minimize unloading times and maximize throughput.

IC solutions are an ideal choice for handling heat-sensitive products, delivering temperature-controlled cooled discharge air that safeguards product integrity and prevents degradation.

Suitable for conveying multiple products, including:

Animal Feed, Powdered Chemicals, Dry Granulate (Plastics), Wood Pellets, Soda, Flour, Sugar



Compact Design

Engineered specifically for the challenges of dry bulk transport, offering a cost-effective and simplified setup that increases payload - boosting your bottom line. • Optimised discharge outlet positioning.

Zero Contamination

Performance optimised oil-free rotary screw airend with a high efficiency design offers exceptional operational reliability, with performance ranges and installation options to suit your unique applications.

Plug and Play

Fully assembled, ready to install solution, configured to your exact application. Save time and money with reduced fitment time and cost.

Built to Last

German-engineered, FEA-calculated strong steel brackets, tailored to your vehicle requirements, offering a durable, bolt-on "fit & forget" solution.

State-of-the-art silencing

Advanced reactive silencer technology attenuates pulsation, reducing noise and vibration across the pneumatic system. • Preventing filter media migration during discharge, protecting against downstream contamination. • Smart design includes integrated safety and non-return valve. • As part of our ongoing innovation drive, we are transitioning to our DTV concept - setting new standards in noise quality.

Consistent 2.5 Bar Gauge Operation

Reliable 2.5 bar gauge across all speeds and flows. • Ensures smooth discharge of all products in the most demanding conditions.



SILOL® & SILOL® FG Lubricants

High-performance lubricants for all temperatures.

- SILOL® FG for safe operation in food-grade applications.

Remote Oil Cooler ready

To support extended operation periods in arduous condition.

Technical data			
Parameters	units	CS700 IC	CS1050 IC
Airend model		CS80/1	CS85
Max. Free Air Delivery	m³/h	744	1036
Flow range at 2 bar(g) ¹	m³/h	290 – 720	420 – 975
Airend input speed	rpm	1000 – 2000	
Std. belt drive ratio ²	i=	1,25	
Package input speed	rpm	800 – 1600	
Power used at 2 bar(g) ¹	kW	20 – 48	25 – 64
Dimensions [mm]	W	800	905 / 926 ³
	B1+B2	830 + 225	775 / 776 ³ + 269
	H	720	714 / 739 ³
Weight	kg	400	398 / 399 ³

Technical data for air, inlet temperature 20°C, inlet pressure 1 bar(abs).
All compressors rated for 2,5 bar(g) working pressure. Tested at 2,7 bar(g) |
¹ – At the airend (flow at suction), at 2 bar over pressure at the outlet.
² – Other belt drive ratio on request
³ – For PTO L / PTO R packages

