

CASE STUDY



Südstrahl GmbH & Co. KG

“We are an established manufacturer in the field of dry ice blasting devices and machines.”

This is the slogan on the website of Swabian company Südstrahl GmbH & Co. KG. Continuous further development of their products is a priority for this innovative company, which has been manufacturing efficient and economical dry ice blasting devices for 11 years.

Project overview

- ▶ **User**
Südstrahl GmbH & Co. KG
- ▶ **Usage site**
Tamm, Germany
- ▶ **Application**
Screw compressors supply compressed air for blasting devices
- ▶ **Machine used**
DLT0705 series
- ▶ **Added value**
Compressor with diesel particulate filter and compact dimensions, which impresses with its low consumption and high power rating

The application in detail

“Our systems are produced at our site in Tamm in Ludwigsburg, and items that we do not manufacture ourselves are purchased from nearby, well-known German suppliers.” says Andreas Gschweng, who is jointly responsible for the development of the devices.

He points to the open housing of a blasting device and indicates the electric motor and the control and regulation components, whose preferred origin is Baden-Württemberg. “It is extremely important to us that our devices are reliable, and above all, economical. Greater power and efficiency

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MADE IN GERMANY



Your benefits at a glance

- ▶ **Economical, reliable and robust diesel engine**
for approximately 10% less fuel consumption in comparison to the predecessor model
- ▶ **DPF Diesel Particulate Filter**
fulfils the current EU emission standard, Stage IIIB and enables use in environmental zones
- ▶ **Easy, clear operation**
for constant information about the operating state
- ▶ **Air and fuel filter, water separator as well as control valves**
ensure smooth operation and increase the service life

with lower consumption of dry ice pellets is one of the factors that sets us apart from the competition. For this reason, we opted for the new DLT0705 series from Compair. A compressor, which is also made in Germany, and despite its compact dimensions, it stands out because it is extremely economical and at the same time it provides high power.”

As the DLT0705 series is an innovative product which impresses with lower fuel consumption in comparison to the previous DLT0704 series, which in itself was considered economical, it is a good fit for the Swabian company, which is known for economical products. The DLT0705 is also equipped with a modern diesel engine with diesel particulate filter, which considerably reduces the emission of harmful soot particles.

Technical data

Type		DLT0705					
Trade name		C55-14 ¹⁾	C60-12 ¹⁾	C65-10 ¹⁾	C65-HS ¹⁾²⁾	C76 ¹⁾	
Operating data	Volume flow ³⁾	m ³ /min	5.5	6	6.5	6.5	7.6
	Positive operating pressure	bar	14	12	10	7	7
	Pressure range	bar	5–14	5–12	5–10	5–7	5–7
Engine	Propulsion engine	YANMAR 4TNV98CT-NCP					
	Cylinders	4					
	EU emission stage	IIIB					
	Engine cooling	Water cooling					
	Engine power	kW	53.7				
	Speed range	r ^{pm}	1,500 – 2,500				

¹⁾ Also available with generator (C55-14 G, C60-12 G, C65-10 G, C65HSG, C76 G)

²⁾ HS high-altitude use

³⁾ According to ISO 1217 Ed. 1996 Appendix D



“It is extremely important to us that our devices are reliable, and above all, economical.”

Andreas Gschwend,
Head of Development,
Südstrahl GmbH & Co. KG