

Fresh air for tractor engines

SCHÄFER Perforated Metal supplies characteristic radiator grilles for Fendt's special Vario tractors

Neunkirchen, 3rd August 2022. Together with the agricultural machinery manufacturer Fendt, SCHÄFER Perforated Metal has been designing the characteristic bonnet ventilation grilles for Fendt Vario tractor models since 2017, most recently for the special tractors in the Fendt 200 V/F/P Vario series. These eye-catching perforated sheet metal grilles at the front of the bonnets supply the engine with air, while protecting the attachments and the engine itself from unwanted external influences. The ventilation grilles, manufactured in Neunkirchen, North Rhine-Westphalia, are delivered just-in-time and ready for installation to Fendt's cab factory in Asbach-Bäumenheim.

Generally speaking, the front end is one of the main visible surfaces on vehicles and this also applies to tractors. The air entering the engine compartment is guided through so-called beading, the strengthening and shaping strips on an engine bonnet. The Fendt 200 Vario combines function and design in a very special way. The shape and direction of these strips, which are crucial for ventilation, reflect the agricultural machinery manufacturer's corporate design and gives the radiator grille additional stability.

In order to achieve both the necessary functions and the brand-specific design, the radiator grilles are made of four embossed perforated sheets. Prior being formed in a deep drawing process, the perforated sheet with rounded-edge hexagonal perforations is produced from 1.0 millimetre thick deep-drawing steel of grade DC06.

Besides the mechanical finishing, the coating on the ventilation grilles is also something special. They are dip-coated and then provided with a final powder coating. In this way, the finished radiator grilles can easily withstand the extreme conditions of the DIN EN ISO 9227 compliant salt spray test.

"SCHÄFER Perforated Metal was involved right from the very beginning when the first prototype of the new generation Fendt 200 V/F/P Vario was developed. Since then, together with Fendt, we've continued to develop, evaluating the experience gained and incorporating this into both the design and production," says Torsten Schoew, automotive expert for engine protection and cooling at SCHÄFER Perforated Metal.

PRESS RELEASE

Images and captions:

Fig. 1: Fendt200_Bild-1_(c)_AGCO-Fendt.jpg

Caption: Characteristic radiator grille of the Fendt 200 V/F/P Vario series of special tractors, supplied ready for installation by SCHÄFER Perforated Metal.

Fig. 2: Fendt200_Bild-2_(c)_AGCO-Fendt.jpg

Caption: Radiator grilles made from perforated sheets form the eye-catching front section of the bonnets.

Fig. 3: Fendt200_Bild-3_(c)_AGCO-Fendt.jpg

Caption: Radiator grilles provide the engine with air and protect it and its attachments from unwanted external influences.

About SCHÄFER Perforated Metal (www.schaefer-lochbleche.de):

Working with the slogan "Perforated metal made to measure – individual and fast", SCHÄFER Perforated Metal in Neunkirchen supplies a wide and quickly available range of high-quality perforated metal sheets for all industries and applications. Using high-precision tools, the company can meet virtually any customer requirements regarding material, perforation pattern, dimensions, machining and delivery. SCHÄFER Perforated Metal is a division of the internationally successful SCHÄFER WERKE.

This owner-led SCHÄFER WERKE Group is headquartered in Neunkirchen in Germany's Siegerland region and operates globally with diversified business areas: EMW Steel Service Centre, perforated sheets, fully recyclable standard and special containers in stainless steel, installations for data centres as well as workshops and factories. The work of all these divisions is based on high-quality fine steel sheet. The processing of this material is one of the core competencies of this enterprise.

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