

# A COOL NEW PRODUCT

Swedish manufacturer Ymer launching module with side-by-side ac condenser

**BY IAN CAMERON**

**A**s it prepares to unveil its latest cooling technology at Intermat, Swedish company Ymer Technology announced expansion plans in Germany.

The Stockholm-based manufacturer specializes in complete engine cooling systems used in mining, construction equipment, specialty vehicles, agricultural machines, forklift trucks and other material handling systems. It also supplies systems to forestry machines, stationary pumps and generators, crushing equipment, compressors, engine power packs and cranes.

Total thermal management design includes the coolant radiator, charge-air cooler, hydraulic coolers, fuel coolers, air-conditioning condenser, fan shroud and cooling fan.

The company's modular design incorporates a mounting frame and as required, fans and fan drives, expansion tanks, vibration isolators, piping, pumps, thermal bypass valves and other accessories. Ymer's technical support includes assistance with customer on-site testing and system optimization.

At Intermat 2018, the company is launching a cooling module with a side-by-side integrated air-conditioning condenser. Ymer said a special feature in the cooler is the integrated condenser which increases the cooling capacity as there is no matrix in front of the cooler which could add as much as 4° to 5°C pre-heat on the cooler surface as well as adding a clogging risk.

When designing the cooler, the working duty cycle of the machine was carefully monitored, Ymer said. As a result, the airstream cooling the charge-air cooler was separated from the radiator, air-conditioning condenser and transmission oil cooler by use of brushless electric fans for the charge-air cooler. By doing this, the engine mounted clutch-controlled fan operation could be reduced consequently by lowering the fuel consumption, Ymer said.

The high-pressure transmission oil cooler designed for 35 bar applications has an integrated bypass valve that reduces pressure drop at cold conditions. By integrating the bypass in the cooler, leaking points and space claim is reduced as well as cost, Ymer said.

Ymer Technology has also opened a subsidiary in Wörthsee, near Munich, Germany, to expand its activities



At Intermat, Ymer is launching a cooling module with a side-by-side integrated air-conditioning condenser.

in Germany, Switzerland, Austria and Italy, as well as to provide local servicing and engineering. The subsidiary is headed by Managing Director Josef Graubmann, former head of business development, Off Highway, at heating and cooling company Webasto. [dpi](http://dpi)

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