



- OPTIMIZED FOR THE SPECIFIC APPLICATION
- ENGINEERED FOR CONTINUOUS OPERATION
- EFFICIENT DESIGN

Developed according to thermal requirements for high-temperature industrial applications.



IE3-W41R 112 MY 2  
TPM170  
IM B5FF215 4.8 kW  
Ta max: 100°C

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**ELECTRIC DRIVES**  
FOR EVERY DEMAND



**Heat-resistant drives**  
for ventilation technology



## Processes with extreme ambient temperatures require special ventilation drives

Wherever very high ambient temperatures prevail at the drive shaft, 600°C and higher, special drives for ventilation technology are required. Our motors guarantee failure-free operation. They feature highly heat-resistant drive shafts, a sophisticated heat dissipation system and are of the highest quality.

**Efficient and reliable  
under extreme conditions.**



Our drives feature heat-resistant winding insulation, which ensures reliable electrical isolation and protection of the windings even at permanently high ambient temperatures.

Integrated thermal protection monitors critical components such as windings and bearings and protects the motor from overheating and resulting damage by automatic shutdown.

To ensure mechanical resilience and a sufficient service life, special bearing technologies are used that are designed for operation at elevated temperatures.

Particular focus is placed on the material selection of the extended stainless steel drive shafts, which enable the thermal decoupling of the motor from the heat zone of the process.

- Service-friendly connection technology with Harting connectors possible

- Heat-resistant with integrated temperature barrier

- Suitable for hot-range temperatures up to 900°C depending on the design