

Case Study Turbo Power Systems



Turbo Power Systems steady supply of CMB Centrifugal Fans to fit in seamlessly to an auxiliary power conversion system

“We were extremely pleased with the delivery, quality and service that S&P UK provided and really appreciated their flexibility in rescheduling. We consider S&P UK to be one of the top suppliers of TPS based on their past performances.”

**Turbo Power Systems –
Procurement Team**

Situation

Turbo Power Systems (TPS), a leading designer and manufacturer of cutting-edge power conversion systems, appointed S&P UK to supply an ongoing rolling stock of one of our reliable centrifugal single inlet fans, the CMB series, for seamless integration into an auxiliary power conversion system operating in the UK regional train fleet.

Power conversion systems are developed for applications within industrial, transport and energy environments and are shipped to clients across the globe. TPS often work to tight manufacturing lead times and so it was imperative that S&P UK was able to supply the required products in time to meet these deadlines.

Solution

The project spanned 18 months and we provided over 100 units across 25 deliveries to meet the manufacturing schedule set by TPS.

Our OEM team worked closely with engineers at TPS to determine the exact bespoke requirements for the end product. With the ability to stock the CMB range in the UK, we were uniquely positioned to provide a rolling stock to maintain their fluid production line and achieve every target.

Benefits

The CMB centrifugal single inlet fan provides added value and improved performance and efficiency to the power conversion system.

The CMB series ensures cooling for product elements which reach high temperatures, thanks to its capability to continuously extract airstream temperatures of up to 80C.

Our customer services and logistics teams provided an excellent service throughout by ensuring the product was processed through our warehouse and dispatched on time to meet the customer's schedule.

"We have been working with Turbo Power Systems for over six years and were delighted to be designed into a project of this scale.

"The main challenge was the tight manufacturing deadlines set by the customer but through the reliability of our dedicated service teams at S&P UK and the ability to stock these products in the UK, we were able to supply a continuous rolling stock which met the customer's production schedule."

Richard Lock, Internal Business Development Manager – OEM, at S&P UK

Technical

S&P's CMB/4-140/050 0,06KW offers a forward curved centrifugal impeller, manufactured from galvanised sheet which is steel painted with epoxy polyester. The product features a single phase motor with thermal protector.



Technical Characteristics:

- Speed: 1400rpm
- Protection: IP44
- Motor Class: B
- Motor Power: 0.06kw
- Maximum absorbed current: 0.35 (A)
- Maximum airflow: 450m³/h
- Sound pressure level: 59dB(A)
- Weight: 7kg
- Maximum air pressure temperature: 80°C



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