

CUSTOMER PROFILE



State of the art helicopter maintenance facility in Sydney NSW uses Sullair's SRL 5.5 Oil Free Scroll Air Compressor.

ASSESSING THE SITUATION

The customer is a state of the art helicopter maintenance facility in Sydney, New South Wales.

The customer's requirement was for high quality clean and oil free compressed air for high-tech maintenance operation and spray painting of precision machined helicopter component assemblies. As the facility is located next to a residential area, low running noise level was also a critical requirement.

While the actual use was intermittent, compressed air was a major utility without which the plant could not operate. This intermittent usage was another big factor their existing air compressor was causing problems due to moisture emulsification causing corrosion and oil carry over issues.



OFFERING A SOLUTION

The Sullair 5.5kW 8.5Bar Pressure SRL Scroll air Compressor proposed by Sullair presented the customer with a solution to satisfy all their needs.

Sullair Scroll air Compressors are third party certified to Class Zero as 100% Oil Free. Since Sullair Scroll Air Compressors do not need lubricating oil, they do not experience oil emulsifying issues due to low operating temperatures caused by infrequent running conditions. These Scroll Air Compressors are also extremely quiet meeting customers requirement for a quiet machine. The Scroll Air Compressor offered to the customer has a noise level of only 50dBA, about the same noise as a dishwasher.

The Scroll Air Compressors are also equipped with Remote Start capability and Black Start on mains power loss as standard and the controller has alarm outputs for remote monitoring offering the customer peace of mind.

END RESULT

The Sullair Scroll Air Compressor was successfully connected and commissioned using the existing air receiver, refrigerated dryer and filters on site to save the customer on installation costs. The low noise levels also meant no expensive additional sound attenuation was necessary.

The customer achieved significant energy savings since there is no unloading run on timer like

screw air compressors. The air compressor only runs when required as there is no need to keep the air compressor warm to prevent moisture condensing in, and emulsifying the oil.

The customer has also enjoyed reduced servicing costs as there is no need to regularly change oil and oil filters as in oil lubricated screw air compressors. In a Sullair Scroll air compressor the main service items are simply the air intake filter and annual greasing of the bearings.

The air compressor has been providing trouble free operation since mid 2018 and oil mist contamination of parts and painting from the air compressor has been completely eliminated improving the customer's end product finish.



Low operating noise level was a critical factor in selecting the air compressor

