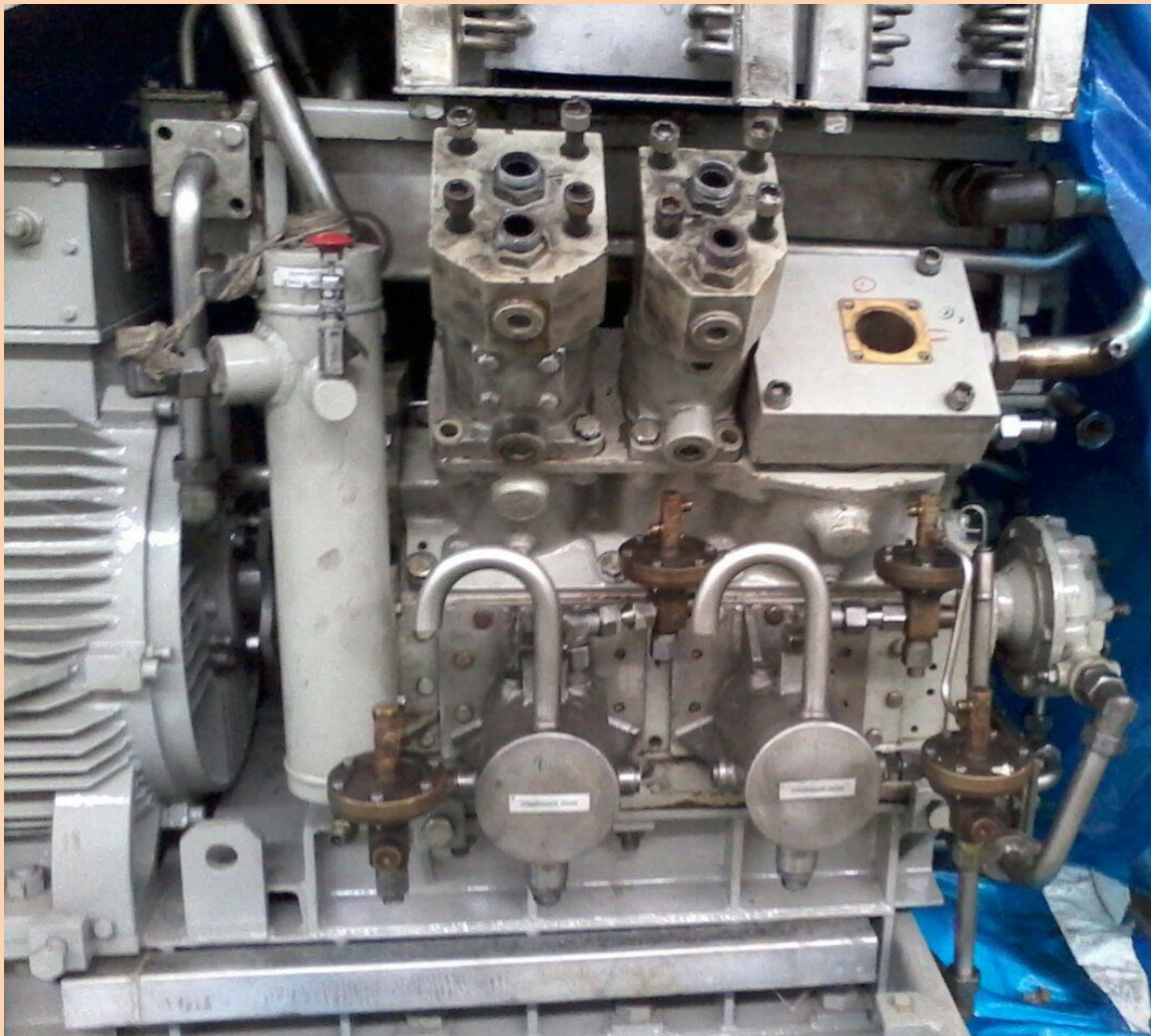


About

Compressor Test Rig

This **Compressor Test Rig** is a custom-built platform designed to test **Burckhardt HP air compressors** under rigorous conditions. It features a robust **AC motor (90 kW, 415V)** for driving the compressors, and the skid frame and clamping structure are built to support a heavy-duty compressor package (up to 3850 kg) while ensuring stability. The test rig is designed to handle **high-pressure (400 bar)** operations and provides precise control over parameters like **lubrication pressure and temperature**. Anti-vibration mounts are used to ensure accurate performance measurements, and the test setup allows testing of multiple compressor models.



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Specification

Type of HP air compressors to be tested	Burckhardt HP Air Compressors (a) Model – S5W217L (b) Model – S4W209L
Max Pressure of the Compressor	400 Bar
Approximate space dimensions available in which Test Bed is to be fitted	11 X 6.5 meters
Max clamping force of Frame Structure to the construction bed	Derived as per design calculations or as mentioned by M/s Burckhardt whichever is higher
Total weight of Skid frame with Compressor package (Compressor + AC Motor)	3850 Kg Approx.
Approx. skid frame dimensions with skid frame in (mm) (W x L x H)	4000 X 2500 mm approx.
Mounts to be used on Bed	AV type for Compressor package, Starter & Control panel
Electric motor to be fitted for the : Test bed	AC motor
Details of AC Motor	90 KW, 415V, 3 ϕ , 50 Hz, 4 Pole (TEFC), 1500 RPM (Synchronous 4 Pole), Squirrel cage induction motor with anti-friction bearings, Insulation class „H“, IP-55, Air cooled, horizontal foot mounted
Lube Oil Pressure within system :	4 – 5 Bar
Lube Oil Temperature :	60 – 90 °C

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Key Features

- Type of HP Air Compressors to be Tested
- Maximum Pressure of the Compressor is 400Bar.
- Space Dimensions for the Test Bed is approximately 11 meters x 6.5 meters.
- Total Weight of Skid Frame with Compressor Package is approximately 3850 kg.
- Skid Frame Dimensions is 4000 mm x 2500 mm in width and length.



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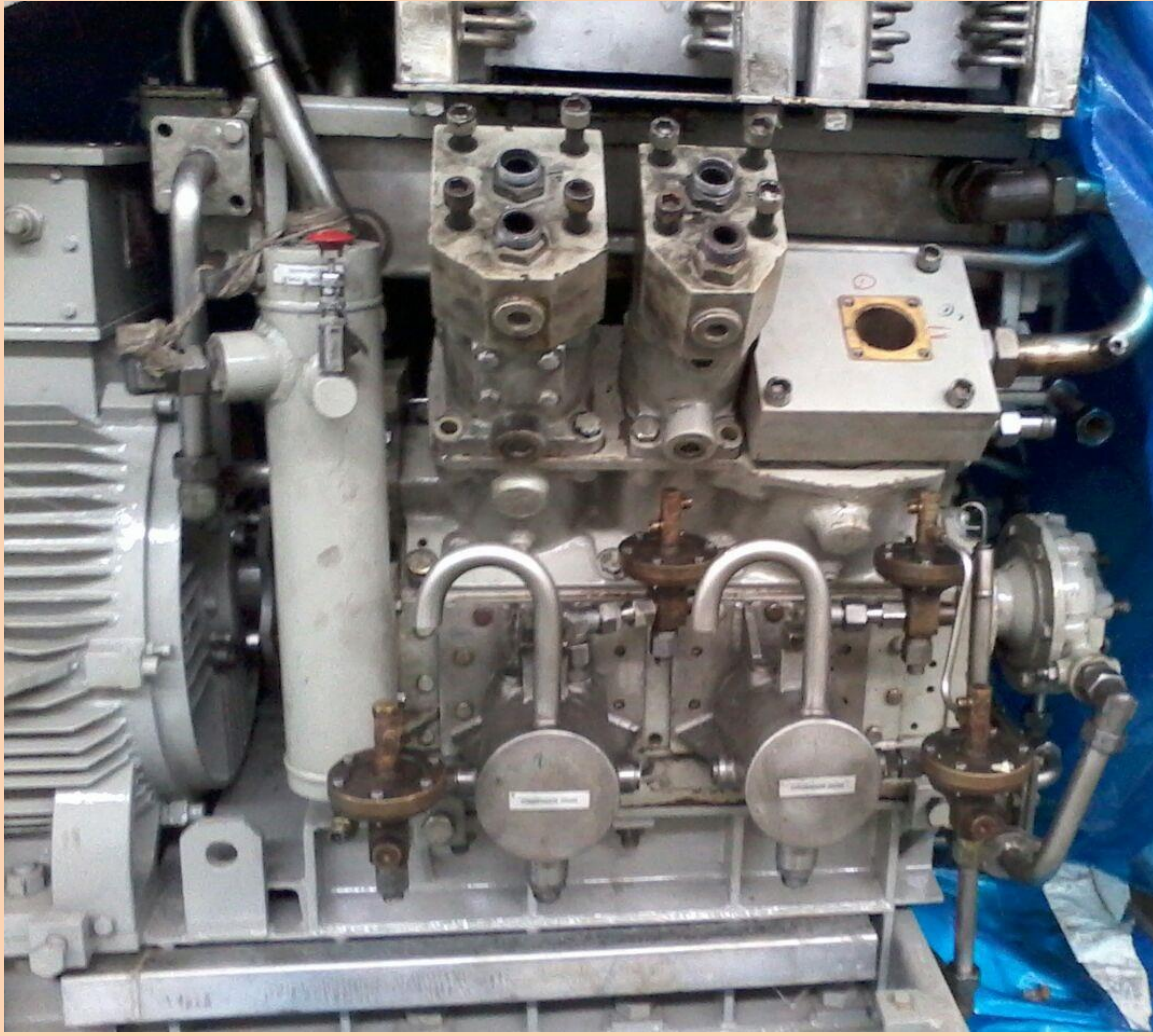
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Applications

This Compressor Test Rig is a custom-built platform designed to test Burckhardt HP air compressors under rigorous conditions.



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