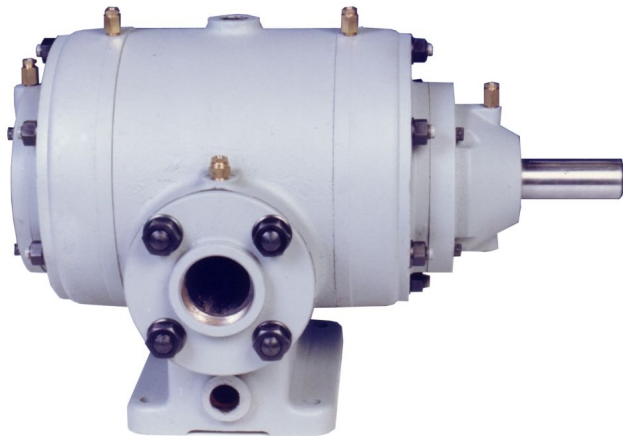
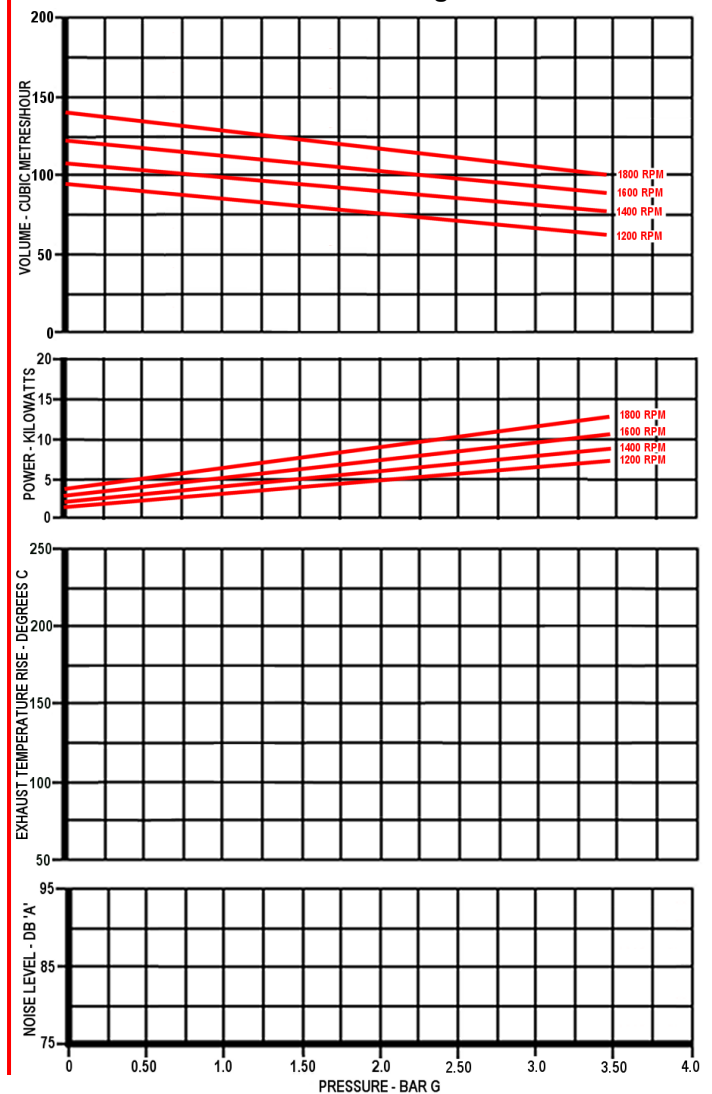




Model HD72 Watercooled Rotary Sliding Vane Compressor

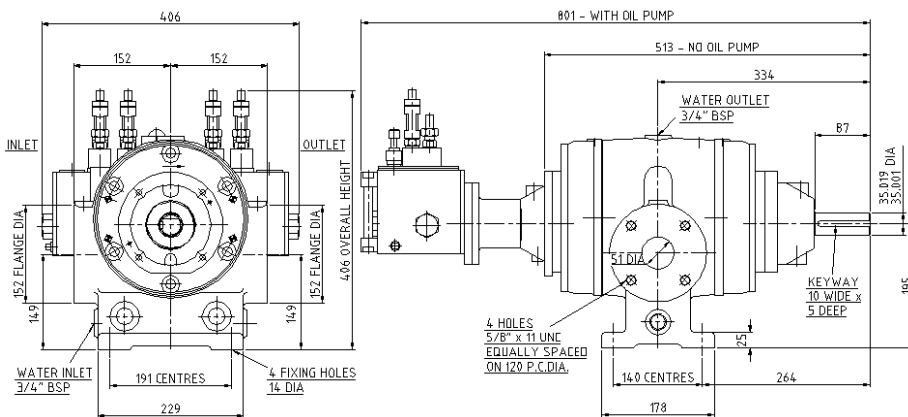


Air Performance Figures



Materials of Construction

Component	Material Specification
Cylinder	S.G. Iron EN-GJS-400-15 / EN-JS-1030 (EN1563)
Coverplates	S.G. Iron EN-GJS-400-15 / EN-JS-1030 (EN1563)
Rotor / Shaft	S.G. Iron EN-GJS-400-15 / EN-JS-1030 (EN1563)
End Caps	Grey Cast Iron EN-GJL-200 / EN-JL-1030 (EN1561)
Spacing Ring	Grey Cast Iron EN-GJL-200 / EN-JL-1030 (EN1561)
Blades	Non-Asbestos Resin Bonded Fabric
Ball Bearing	Single row deep groove with metal cage. Clearance - Normal
Roller Bearing	Single row, cylindrical roller with metal cage Clearance - Normal
Lip Seals	Steel cased, Viton
Mechanical Seals	Stainless Steel rings & spring, carbon face, S.G. Iron seat, Viton bellows & O-Ring



SPEED

Maximum Speed - 1800 RPM
Minimum Speed - 900 RPM

TEMPERATURE

Max. Inlet Temp. - 40 °C

INERTIA

Moment Of Inertia - 0.039 Kg^m²

WEIGHT

Approx. (No oil pump) - 95 kgs
Approx. (With oil pump) - 113 kgs

LUBRICATION

Bearings and blades lubricated using SHELL CORENA P150 oil

BEARING ARRANGEMENT

Ball bearing with roller bearing at drive end and roller bearing at rear end giving approximate life values for both in excess of 200000 hours.