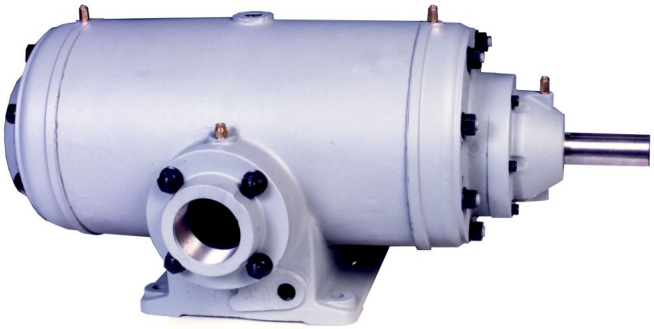
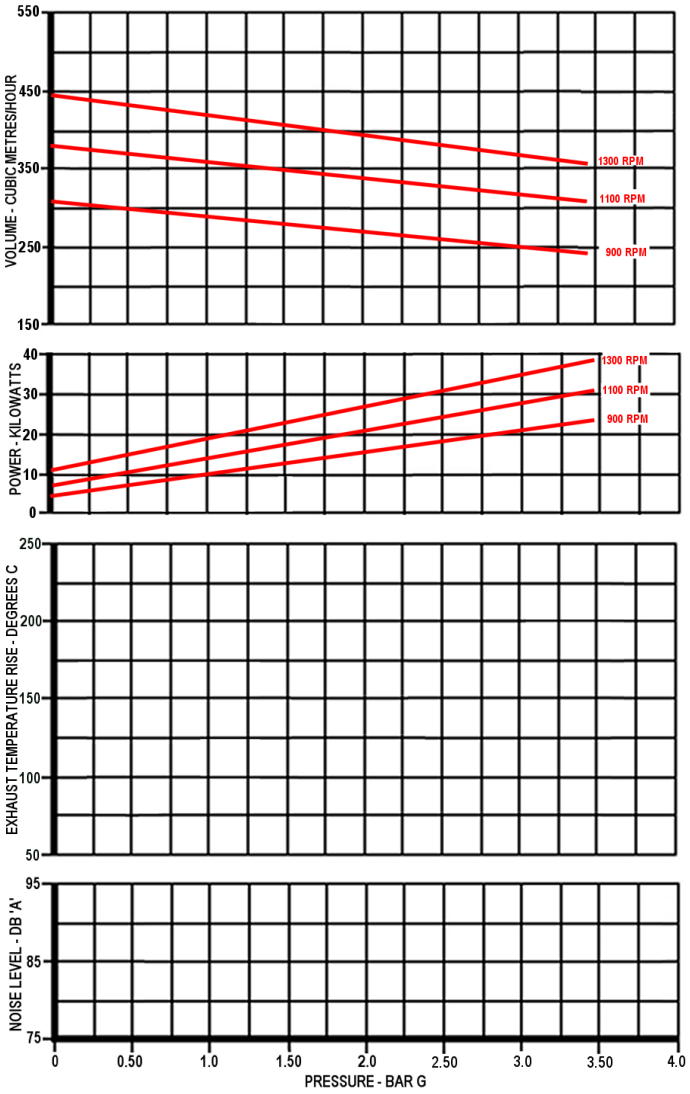
Model HD220 Watercooled Rotary Sliding Vane Compressor

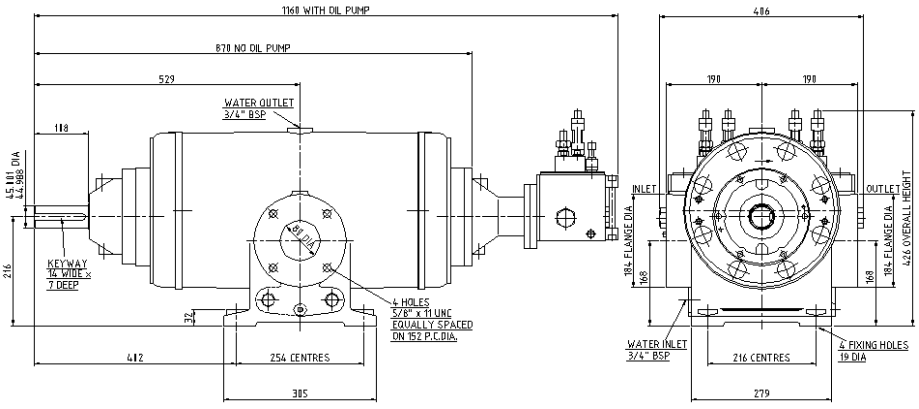


Air Performance Figures



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	- 1400	RPM
Minimum Speed	- 800	RPM

TEMPERATURE

Max. Inlet Temp.	- 40	8C

INERTIA

Moment Of Inertia	- 0.243	Kgm^2

WEIGHT

Approx. (No oil pump)	- 239	kgs
Approx. (With oil pump)	- 259	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 of drive end 32000 hours and rear end 45000 hours.