



Atlas Copco GVD 40, GVD 80

Technical Specifications

	GVD 40		GVD 80	
	50 Hz	60 Hz	50 Hz	60 Hz
Displacement	42.5 m ³ h ⁻¹ / 25 cfm	50.5 m ³ h ⁻¹ / 29.7 cfm	80 m ³ h ⁻¹ / 47.1 cfm	96 m ³ h ⁻¹ / 56.5 cfm
Speed (Pneurop 6602)	37 m ³ h ⁻¹ / 21.8 cfm	44 m ³ h ⁻¹ / 25.9 cfm	74 m ³ h ⁻¹ / 43.6 cfm	90 m ³ h ⁻¹ / 53 cfm
Ultimate vacuum (total pressure) without gas ballast	1 x 10 ⁻³ mbar / 7.7 x 10 ⁻⁴ Torr		1 x 10 ⁻³ mbar / 7.7 x 10 ⁻⁴ Torr	
Ultimate vacuum (total pressure) with gas ballast	7 x 10 ⁻³ mbar / 5.4 x 10 ⁻³ Torr		7 x 10 ⁻³ mbar / 5.4 x 10 ⁻³ Torr	
Inlet connection suitable for	DN40 ISO-KF		DN40 ISO-KF	
Outlet connection suitable for	DN25 ISO-KF		DN25 ISO-KF	
Max. outlet pressure	0.5 bar / 7 psig gauge		0.5 bar / 7 psig gauge	
Max. inlet pressure for water vapor	7 mbar / 5.3 Torr		5 mbar / 3.8 Torr	
Max. water vapor pumping rate	0.2 kg h ⁻¹ / 0.4 lb h ⁻¹		0.3 kg h ⁻¹ / 0.7 lb h ⁻¹	
Weight (without oil)	82 kg / 179 lb		125 kg / 275 lb	
Motor protection rating	IP55		IP55	
Motor power	1.1 kW / 1.5 hp*	1.5 kW / 2 hp	2.2 kW / 3 hp*	3 kW / 4 hp
Maximum oil capacity	3.5 litre / 3.2 qt		6.3 litre / 6.7 qt	
Minimum oil capacity	1.32 litre / 1.6 qt		4 litre / 4.2 qt	
Noise level	65 dB (A)		70 dB (A)	

* GVD 40 1.5 kW at 50/60 Hz and GVD 80 3.0 kW at 50/60 Hz.
 All motors are 3-phase energy-efficient.
 IEC EN60034.





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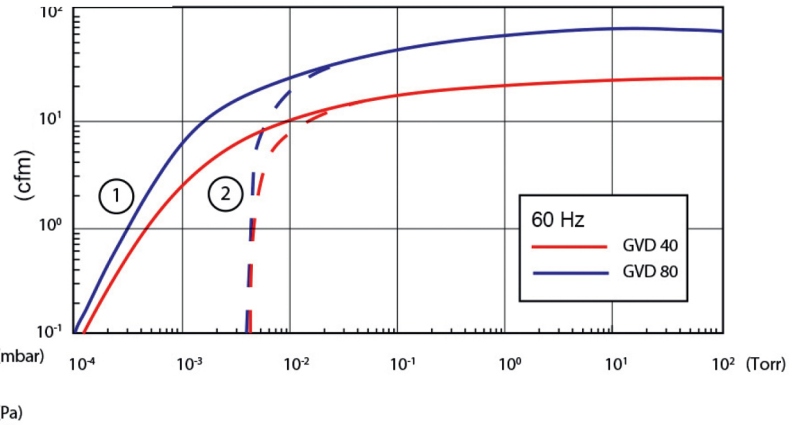
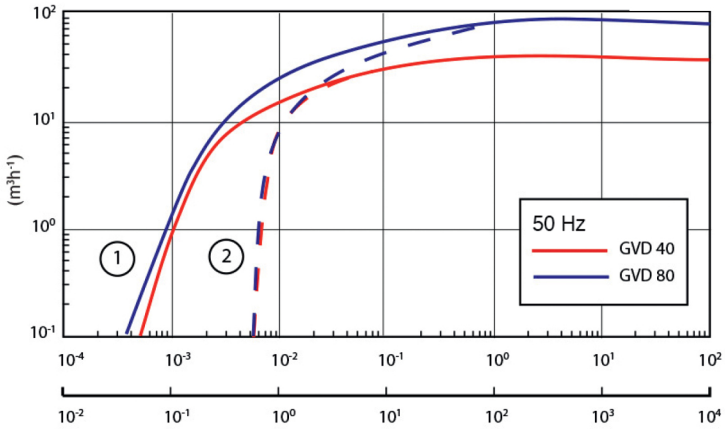
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Atlas Copco GVD 40, GVD 80 Pumping Curves

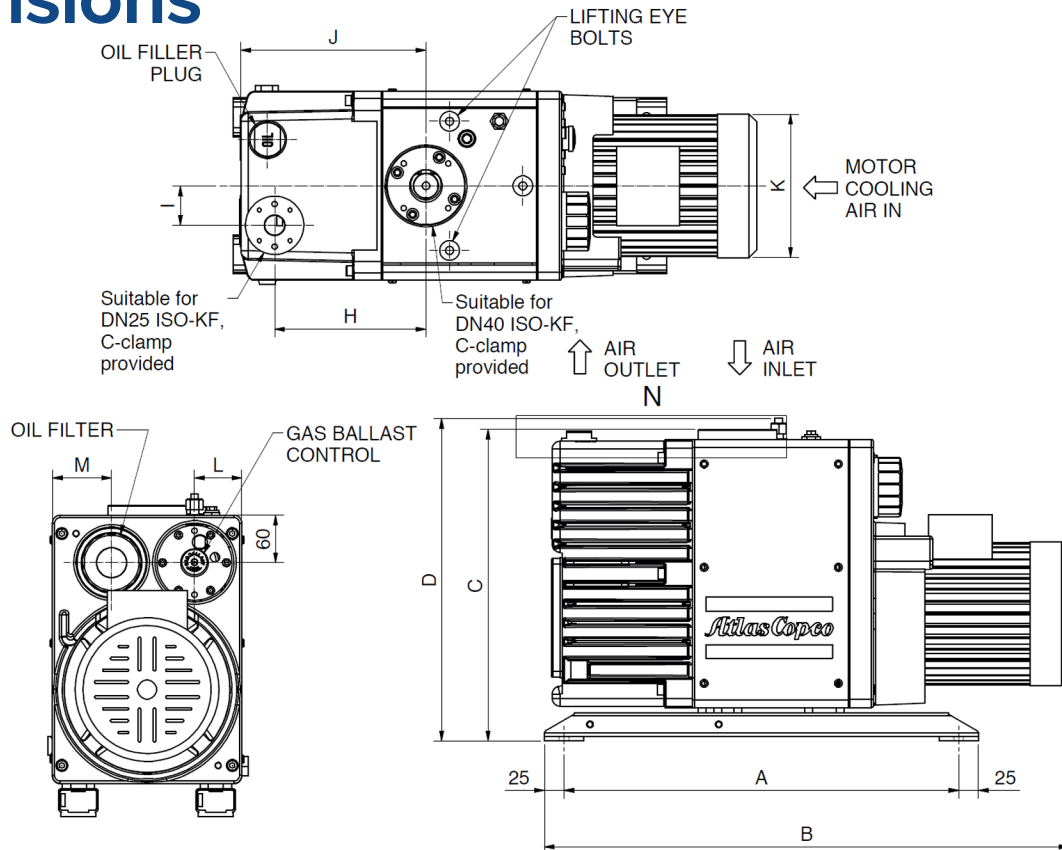
50Hz

1: Without gas ballast.
2: With gas ballast open.

60Hz



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
GVD 40	500	690	395	409	174	240	253	192	50	235	182	60	75
GVD 80	550	796	429	445	196	266	274	221	53	271	198	75	84



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Features & Benefits

- spring loaded distributor valve provides oil & air suckback protection
- central inlet port to allow easy mounting of booster pump
- gas ballast control assists in handling high water vapor loads
- effective lubrication under high gas loads
- industrial roller bearings on drive shaft
- advanced pressurized oil circuit
- full height oil sight glass
- easy change oil filter
- easy to maintain

Applications

- refrigeration/air conditioning system evacuation/drying/backfilling
- vacuum drying & distillation • backing pump for high vacuum applications • metallurgy • thin film coating • insulating oil treatment plant • freeze drying • transformer/cable drying & impregnation
- cryogenic vessel evacuation