## Haskel

## H-Drive Booster Model HGD-90

Max Gas Inlet Pressure		Min Gas inlet Pressure		Max. rec. Cr	Max Gas Outlet Pressure		Max Hydraulic Drive Pressure		Gas Piston Displacement	
Psi g	Bar g	Psi g	Bar g	CR	Psi g	Bar g	Psi g	Bar g	Cu Ins	Litres
9,000	620	100	7	6:1	10,000	690	3600	248	237	3.88

## **HGD-90 PERFORMANCE CHART** 1400 (824) 1200 Nm3/hr (scfm) (588) 800 Minimum Gas inlet: 7 Bar g (100 psig) Maximum Gas Inlet: 620 Bar g (9,000 psig) Maximum Gas Outlet: 690 Bar g (10,000 psig) Qo - 20 CPM Maximum Recommended CR: 6:1 Qo - 15CPM Outlet (471)600 (353) Qo - 10CPM 400 (235) 200 Qo -5 CPM (118)50 (725) 100 (1450) 150 (2175) 200 (2900) 250 (3625) 300 (4350) 400 (5800) 350 (5075) Gas Supply Pressure Bar g (psig)

## To determine required cycling speed:

- 1. Draw horizontal line representing required outlet flow
- 2. Draw vertical line representing the gas supply pressure available
- 3. Where both lines cross will give the approx. cycling speed of the H-Drive

For full operating parameters of H-Drive running at particular conditions including the hydraulic power supply required, contact factory or distributor with following data:

- Ps Gas supply pressure
- Po Gas outlet pressure
- Qo Outlet flow required
- Gas being transferred
- Details of the application



