

# HV 8000 - MECHANICAL BOOSTER PUMP

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HV8000 feature a rugged design for robust and reliable operation in very large scale processes both in the industrial and chemical markets.



## Performance

Stable process for consistent output - Suitable for continuous operation over wide pressure ranges.



## Adaptability

Easy integration and safe - Optional water cooled exhaust gas after cooler, shaft seal safety purge, temperature monitoring and VFD available.



## Reliability

No unplanned downtime - High performance water cooled mechanical shaft seal, large diameter shaft and large helical gears.



## Flexibility

Configured to your needs - Can be supplied with standard motor or without motor to allow a local motor to be fitted. Horizontal or vertical flow to suit application and system design.

## Technical Data

	Units	HV8000
Displacement 50 Hz	m <sup>3</sup> h <sup>-1</sup> /CFM	7200/4241
Displacement 60 Hz	m <sup>3</sup> h <sup>-1</sup> /CFM	8640/5089
Inlet/outlet connection		10" class 150 ASME B16.5
Inlet/outlet cooling water connection		Rp 1/2 ISO 7-1 (1/2 BSP)
End cover purge gas inlet		Rp 3/8 ISO 7-1 (3/8 BSP)
Pressure differential across pump 50 Hz	mbar/torr	190/143
Pressure differential across pump 60 Hz	mbar/torr	120/90
Max cooling water supply pressure	bar/psi	4.0/58
Max cooling water supply temp	°C/F	35/95
Cooling water flow rate	lmin <sup>-1</sup> /US gal min <sup>-1</sup>	15/3.96
Noise level	dB(A)	82
Weight (without motor)	kg/lb	580/1279
Weight (with standard motor) kg	kg/lb	720/1587
Motor Power 50Hz	kW/hp	15/20
Motor Power 60Hz	kW/hp	18.5/25
Oil capacity (vertical gas flow)	litre/gal	8.3/2.18
Dimensions Horizontal flow L x W x H	mm	1737 x 530 x 820
Dimensions Vertical flow L x W x H	mm	1737 x 670 x 638

## Ordering information

Product Description	Part Number
HV8000 VF 400 V 50 Hz 230/460 V 60 Hz 18.5 kW BOOSTER	A311-03-940
HV8000 VF 200 V 50 Hz 200/380 V 60 Hz 18.5 kW BOOSTER	A311-03-934
HV8000 VF BARESHAFT BOOSTER	A311-01-985
HV8000 HF 380/400 V 50 Hz 230/460 V 60 Hz 18.5 kW BOOSTER	A311-04-940
HV8000 HF 200 V 50 Hz 200/380 V 60 Hz 18.5 kW BOOSTER	A311-04-934
HV8000 HF BARESHAFT BOOSTER	A311-02-985

ATEX variants available on request

## Applications

- Steel degassing
- Metallurgy
- Coating
- Process industry

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