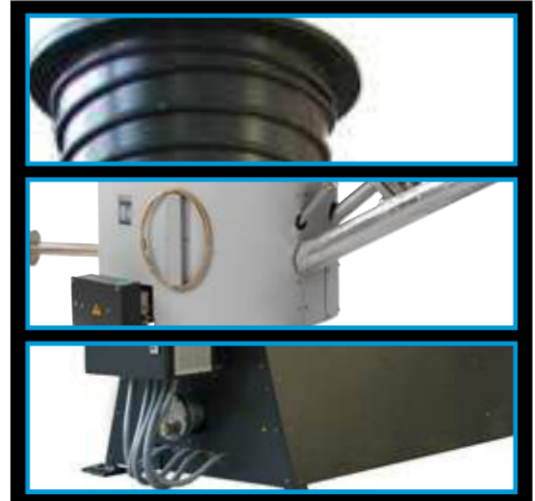


VAPOUR BOOSTER PUMP

MAXIMISE YOUR PRODUCTIVITY AND PERFORMANCE



The Edwards vapour booster pumps offer higher pumping speeds, of up to 15000 ls⁻¹ at pressures intermediate between mechanical boosters and diffusion pumps. Vapour boosters from Edwards have been proven in the field for over 30 years. With a constant program of updates and modernisation, with input from OEM's and end users, combined with inherent reliability, ease of use and tolerance to various inlet and exhaust pressures they have been used extensively in metallurgy and coating industries as well as other specialist applications.



Features and Benefits

- Very large pumping speed at high operating pressures.
- Very high throughput at operating pressures.
- Quick crossover for excellent pump-down times.
- Industry proven for over 40 years.
- Excellent reliability.

Applications

- Vacuum metallurgy.
- Distillation, drying and degassing.
- Thin film coating and metalizing.
- Large-scale research.

Pump Range

Vapour Booster Pumps

- 18B4B
- 30B5M

Performance Curves

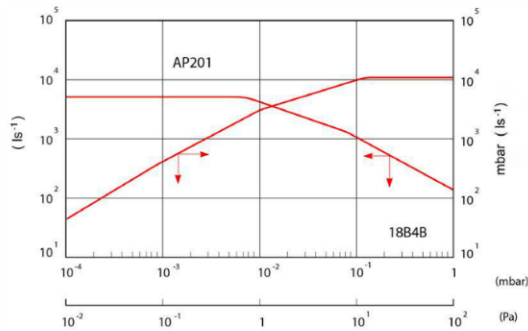
18B4B Vapour Diffusion Pump

18B4B



AVS pumping speed	
Nitrogen	4000 ls ⁻¹
Helium	6000 ls ⁻¹

18B4B Performance Curve



Ordering information

18B4B	Flanges						
	1	Edwards (same as previous models 18B4A)					
	2	ANSI					
	3	ISO					
	Oil monitoring						
	0	None					
	1	Temperature only					
	2	Level only					
	3	Both temperature and level					
B	0	6	5				
	Voltage						
	200-210 Volts	200					
	220-230 Volts	220					
	240-250 Volts	240					
	380-440 Volts	380					
	415-440 Volts	440					
	460-480 Volts	480					

30B5M Vapour Diffusion Pump

30B5M

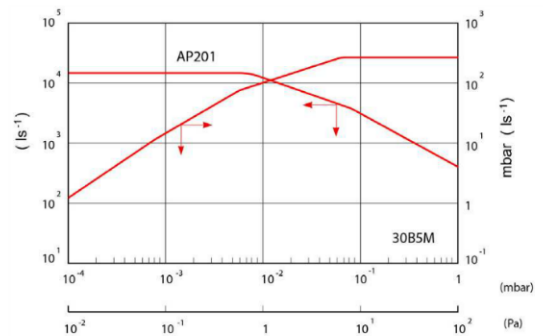


AVS Pumping Speed	
Air	12500 ls ⁻¹
Hydrogen	15000 ls ⁻¹

Ordering information

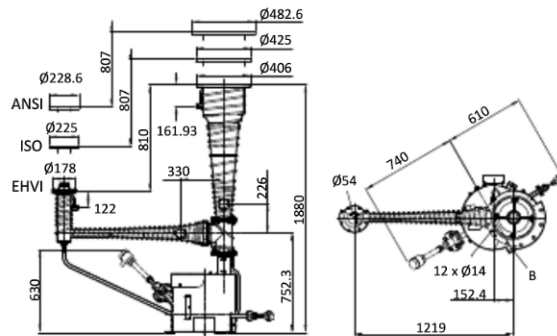
Product description	Order no:
30B5M, 200 V, 3Ø, 50/60 Hz with terminal box	B06407200
30B5M, 380 V, 3Ø, 50/60 Hz with terminal box	B06407380
30B5M, 400 V, 3Ø, 50/60 Hz with terminal box	B06407400
30B5M, 415 V, 3Ø, 50/60 Hz with terminal box	B06407415
30B5M, 440 V, 3Ø, 50/60 Hz with terminal box	B06407440
30B5M, 460 V, 3Ø, 50/60 Hz with terminal box	B06407460
30B5M, 480 V, 3Ø, 50/60 Hz with terminal box	B06407480

30B5M Performance Curve

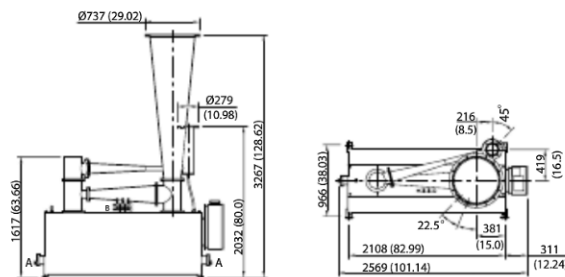


Dimensions

18B4B Dimensions



30B5M Dimensions



A Dia. 100 mm boiler cleaning point

B Position base securing holes 3 x $\frac{7}{16}$ inch (12.7 mm) diameter on 21 $\frac{3}{8}$ inch (549mm) p.c.d.

Technical Data



	Units	18B4B	30B5M
AVS Pumping Speed			
air	ls ⁻¹	4000	12500
hydrogen	ls ⁻¹	6000	15000
Maximum throughput	mbar ls ⁻¹ /Torr ls ⁻¹	100/75	300/225
Critical backing pressure (with AP201 fluid)	mbar/Torr	2-2.6/1.5-2	5.3-6/4-4.5
Recommended backing pump displacement	m ³ h ⁻¹ /ft ³ min ⁻¹	190/112	290/171
Recommended backing pump		GXS450, E2M275	GXS450, E2M275
Recommended fluid		Apiezon® AP201	Apiezon® AP201
Fluid charge	litre/qt	10/9.5	55/52
Inlet connection		8x11mm holes on 387.4 PCD (Edwards)/ANSI 12 inch/ISO320	12 x 20.60 holes on 686.0 PCD
Backing connection		2 inch union (Edwards)/ANSI 4 inch/ISO160	4 x 16.70 holes on 235.0 PCD
Water connection	inch BSP	-	1
Heater power	kW/hp	6.0/8	22.5/30
Warming up time for full performance at			
Maximum heater input	min		60
Minimum water flow inlet		375 l h ⁻¹ @ 25 °C/ 1.65 US gal min ⁻¹ @ 25 °C	1950 l h ⁻¹ @ 25 °C/ 8.5 US gal min ⁻¹ @ 25 °C
Water block threaded hole	inch BSP	½	-
Weight	kg/lbs	165/365	620/1367