



2300 psig Zone II Joy WB12 Booster Compressor

Airpac Bukom's range of Zone II (certified for open deck hazardous area operation) Booster Compressors are constructed to safely compress Air, Natural Gas or Nitrogen and can be operated in either a single or double stage configuration.

The WB12 Joy Zone II range offers pressure capabilities up to 159 barg (2300 psig) and volumes to 107.6m³/min (3800 scfm). Fitted with either battery or pneumatic start, stainless steel spark arrestors and overspeed protection.

An Emergency Shutdown System is also fitted to all models, enabling instant shutdown from the drill floor in the event of gas detection or similar hazards.

The unit is constructed in a four point lifting frame, designed to meet the rigours of high pressure application operations.

Features

- Choke for total compressed medium control
- Reduced vibration through the incorporation of additional fly-wheel and pulsation dampers
- Auto lubrication to both engine and compressor ensuring continuous operation
- Exhaust cooler
- Spark arrestors
- Low oil pressure shutdown engine & air end
- Engine overspeed
- Excessive vibration shutdown
- High coolant temperature shutdown engine & airend joint coolant system
- High exhaust temperature shutdown
- High water level inlet scrubber bottles shutdown
- High discharge temperature shutdown on both discharge scrubbers
- Low lubricator fluid level shutdown
- ESD and Emergency stop

Options

- Experienced personnel providing a complete operational package including: hook-up & commissioning, servicing, re-fuelling and multiple installation assistance
- Hard delivery pipe
- Multiple output connections
- Delivered air oil filtration
- Interstage drying dewpoint -40°C

Technical Specifications

2300 psig Zone II Joy WB12 Booster Compressor

Performance

Model	2300 psig Joy WB12 Booster
Delivered Flow - Single Staging	3800 scfm 107.6m ³ /min
Delivered Pressure - Single Staging	900 psig 62 barg
Delivered Flow - Double Staging	2400 scfm 68.49m ³ /min
Delivered Pressure - Double Staging	2300 psig 159 barg
Discharge Temperature	Ambient +10°C
Fuel Consumption	127 litres per hour (at max. pressure)
Fuel Tank Capacity	115 litres
Max. Working Ranges	-10°C to +50°C
Outlet Connection	2" Weco 1502
Outlet Valve	3" Flanged to Weco 1502
Caged / Containerised	Caged

N.B. All figures based on 325 psig suction pressure

Weights & Dimensions

	Metric	Imperial
Overall Length*	6000mm	236"
Overall Width*	2600mm	102"
Overall Height*	2450mm	96"
Weight*	16600 Kgs	36597 lbs

*Weights and dimensions will vary per unit, please contact your local Airpac Bukom representative to confirm

E. & O.E.

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Airpac Bukom Oilfield Services UK is certified to BS EN ISO 9001:2015 & BS EN ISO 14001:2015



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