

## POWERPACKS AND BREAKERS



## Built-in quality and reliability

A growing tide of opinion says that hydraulic powerpacks make better business sense than rival pneumatic or electric options. The combination of performance and a compact user-friendly design has ensured that the overall efficiency really is without comparison. Not surprisingly, JCB is leading the way, with our comprehensive range of powerpacks and breakers which set the standards by which others are judged. Thanks to their far greater efficiency, JCB hydraulic powerpacks can deliver equal tool performance using a far smaller engine than found in a typical air compressor. Consequently, they are far more portable and fuel efficient. You can also trust them to get through a tremendous workload without encountering overheating problems.

### INVESTMENT

Low capital cost, up to 50% of the price of an equivalent air breaker and compressor.

### HYDRAULIC POWER

With 80% of the power transmitted to the tool (compared to 20%-30% for air compressors and breakers) the breaker hits with incredible force. This allows the use of smaller engines in a compact portable unit, which maintains the same hitting power as a 40kg pneumatic breaker.

### EASY TO OWN AND USE

A state-of-the-art design with only two moving parts ensures long, trouble-free life. The totally sealed system will not freeze in winter and there is no hourly based servicing or pressure vessels requiring regular checks.

### EFFICIENCY

The JCB powerpack uses up to 39% less fuel than a market-leading compressor whilst still offering the same productivity.

*High power, providing as much force as a single tool air compressor and breaker*

*Low maintenance, oil-lubricated design gives long life with no loss of performance with age and no hydraulic burn-out*

*JCB designed and manufactured breakers have proven -their worth, with over 30,000 in the field*

*Low capital cost, up to 50% of a single tool air compressor and breaker*

*Powered by engines that are internationally acknowledged to be the best available*

*Compact, lightweight design is easy to transport*

*Major components tested to 1000 hours, equivalent to 42 million cycles, ensuring reliability*



## A range of options open up powerpack versatility



### DISC CUTTERS

- Self-lubricating and belt driven
- Designed to use abrasive or diamond discs up to 300mm



### SUBMERSIBLE PUMPS

- Self-priming and lubricating, with outputs of up to 800lpm
- Designed to run dry without damage
- Maintenance free



### TRASH PUMPS

- Handle matter that would clog most other pumps
- Designed to flow 2880lpm up to 17m head height



### CORE DRILL

- Combining power, flexibility and reliability
- Designed to drill holes up to 100mm in diameter (dependent on flight)



### MACHINE HYDRAULIC TOOL CIRCUIT

- Enables JCB hydraulic tools to be run from our range of machines

## The best powerpacks offer increased efficiency, decreased costs

A JCB hydraulic powerpack is the modern, cost-effective hydraulic power solution that provides greater productivity than alternative electric or conventional pneumatic power. Plus, our powerpacks offer lower CO<sup>2</sup> emissions than the market-leading air compressor.

	JCB	ELECTRIC	PNEUMATIC
<b>PERFORMANCE/COST</b> Class leading performance whatever the material at half the cost of a conventional air compressor.	 Performance = 100% Low cost	 Performance = 50% Low cost	 Performance = 100% High cost
<b>EFFICIENCY</b> Same power at the tool with an 8hp/6kW JCB powerpack as a 40hp/30kW air compressor. Simple, efficient, extremely economical.	 8hp – 6kW engine Powers 25kg breaker	 Mains electricity required	 40hp – 30kW Powers 25kg breaker
<b>PORTABILITY</b> Compact and lightweight for easy handling, no matter where the job site.	 No problem	 No electricity	 Restricted access
<b>RELIABILITY</b> Simple, proven design that is easy to maintain for exceptional reliability.	 The oil that powers also lubricates, for low wear and long life	 Many moving parts that wear out quickly with very high temperatures	 Large engine that uses many spare parts

# Powerpacks



Machine Model	COMPACT	BEAVER	BEAVER Diesel	TROJAN	MULTIFLOW
Engine	Honda GX160	Honda GX240	Lombardini 15LD	Honda GX390	Briggs & Stratton Vanguard
Fuel	Petrol	Petrol	Diesel	Petrol	Petrol
Power HP	5.5	8	6.8	13	18
Hydraulic flow litres/min (gal/min)	0-20 (0-5)	0-20 (0-5)	0-20 (0-5)	0-20 (0-5) or 0-30 (0-7.9)	0-20,30,40 (0-5,7.9,10.5)
Max Pressure Bar (psi)	87 (1261)	138 (2000)	138 (2000)	138 (2000)	138 (2000)
Weight kg (lb)	57.5 (126)	66 (145)	83 (182)	93 (204)	102 (224)
Height x width x length mm	505 x 495 x 630	615 x 530 x 720	655 x 640 x 780	735 x 590 x 810	735 x 590 x 810
Application	Small in size and weight but with the power to operate a range of tools and breakers up to 22kg.	Lightweight yet with the power to operate the full range of JCB breakers and tools. The most popular powerpacks in the JCB range.		Heavy-duty with 20 or 30lpm outputs which provide extra power for heavier breaking, drilling and cutting applications.	Portable and powerful with the benefit of being able to vary hydraulic flow between 20, 30 and 40lpm.

# Breakers



Machine Model	D Pick	T Pick	HM22	HM25	HM29
Weight kg (lb)	15 (33)	15 (33)	21 (46)	26 (57)	29 (64)
Tool / Chisel Size Hex	22mm (7/8")	22mm (7/8")	22mm (7/8") or 25mm (1")	32mm (1 1/4")	32mm (1 1/4")
Hydraulic flow litres/min (gal/min)	15-22 (3-5)	15-22 (3-5)	15-22 (3-5)	18-22 (4-5)	18-22 (4-5) or 28-32 (6-7)
Pressure Range Bar (psi)	50-65 (725-942)	50-65 (725-942)	50-65 (725-942)	90-110 (1305-1595)	90-110 (1305-1595)
Application	Light demolition and construction, ideal for trenching, tunnelling and lateral work.	Small and lightweight, designed for light-to-medium-duty breaking.	Medium-duty breaker for general demolition, concrete and asphalt breaking.	A popular and powerful high-output breaker, ideal for use with the Beaver powerpack.	Designed for work reinforced concrete, heavy roadworks, asphalt and output applications.





JCB Sales Limited, Rocester, Staffordshire, United Kingdom ST14 5JP. Tel: +44 (0)1889 590312 Email: [salesinfo@jcb.com](mailto:salesinfo@jcb.com)  
Download the very latest information on this product range at: [www.jcb.com](http://www.jcb.com)

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