

Bo Andreasson, VP1-130 user in Dalsland, Sweden:



‘Very fast, powerful and reliable’

The new VP1-130 is designed to meet the demands of the very toughest conditions imaginable. It can withstand pressures of up to 420 bar, whilst still maintaining optimum performance and substantial safety margins for exceptional productivity. Just listen to Bo Andreasson from Eds Träfrakt in Nössemark, Sweden, whose timber truck is equipped with a VP1-130:

*‘It is quiet, responsive and extremely smooth to manoeuvre, which is important to achieve a harmonious flow – the key to high productivity. It feels reassuring to operate the crane when you know the pump can handle almost anything. I regularly lift very heavy loads and can confirm that the VP1-130 is extremely fast, powerful and utterly reliable.’*

With a long service life and low operating costs thanks to high efficiency and unbeatable reliability, the VP1-130 is an instantly profitable investment — yet another benefit from Parker’s decades of experience in demanding truck applications. Parker innovation, engineering expertise and comprehensive customer support make the VP1-130 variable pump the ultimate choice for your truck crane system — increasing productivity significantly while saving 20–50 per cent on fuel through reduced heat losses. No matter how you look at it, the VP1-130 means **more money for you!**



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VP1-045



VP1-075



aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

VP1-095



## Variable Truck Pumps

Hydraulic Pumps Series VP1  
– introducing the heavy duty VP1-130

VP1-130



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### EMEA Product Information Centre

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(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

### US Product Information Centre

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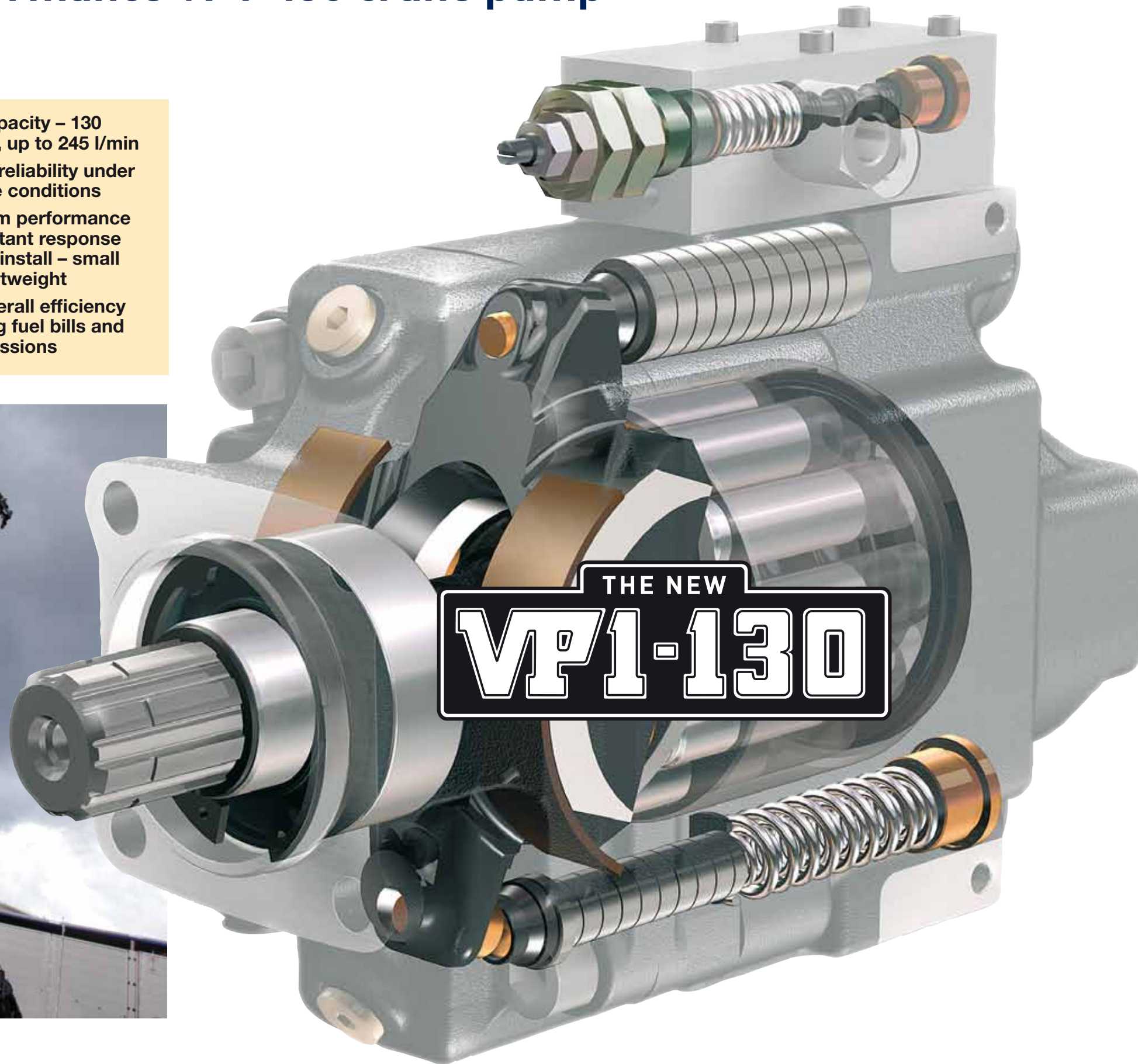
# The new variable high performance VP1-130 crane pump

Increasing productivity – and saving on fuel bills

The completely new Parker VP1-130 variable displacement pump has been developed in our advanced laboratories in Trollhättan, Sweden, to be one of the world's most powerful variable displacement hydraulic pumps for truck applications. It combines innovative new ideas with everything we have learned during decades of building the most efficient and reliable truck pumps on the market. Advanced development

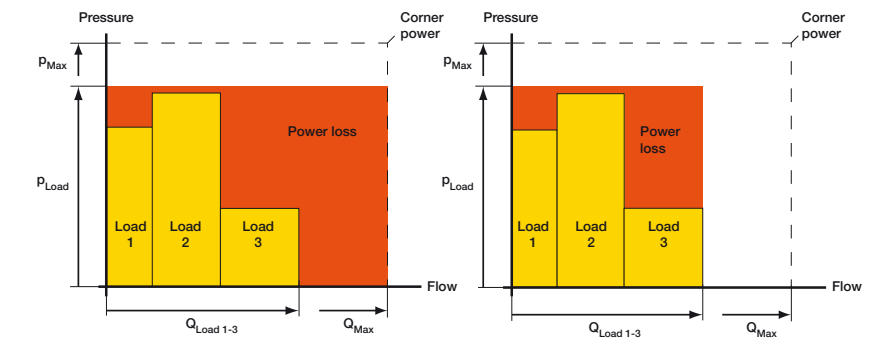
and extensive field tests under extreme climatic conditions in heavy duty applications have resulted in unique features, ideally suited to the load sensing systems associated with truck cranes. Other applications that benefit from the VP1-130's unbeatable efficiency, power and reliability are refuse collection vehicles, sewage trucks, tippers, snow ploughs, gritters and salt spreaders.

- **High capacity – 130 cm<sup>3</sup>/rev, up to 245 l/min**
- **Superb reliability under extreme conditions**
- **Optimum performance with instant response**
- **Easy to install – small and lightweight**
- **High overall efficiency – cutting fuel bills and CO<sub>2</sub> emissions**



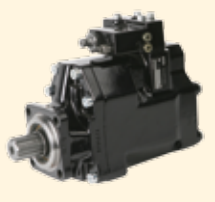



# Higher efficiency = lower costs

In addition to providing better control, the load-sensing variable displacement VP1-130 runs cooler and uses 30–40 per cent less fuel compared to a fixed displacement pump in an open centre system.



The new VP1-130 is designed and developed in our advanced laboratories in Trollhättan, Sweden. Like all Parker mobile equipment, it is long-term field-tested under severe conditions to ensure the highest possible performance and durability.

Which one is right for you?

				
	VP1-045	VP1-075	VP1-095	VP1-130
<b>Frame size</b>	45	75	95	130
<b>Max displacement (cm<sup>3</sup>/rev)</b>	45	75	95	130
<b>Max pressure [bar]</b>				
– intermittent	400	400	420	420
– continuous	350	350	400	400
<b>Response time (ms)</b>				
– max-to-min	20-30	20-40	20-40	20-40
– 90-120	90-120	100-140	100-140	100-140
– min-to-max				
<b>Self priming speed, max</b>	2400 r/min	2100 r/min	2200 r/min	1900 r/min
<b>Control type</b>	LS	LS	LS	LS
<b>Weight (with control) (kg)</b>	26.9	26.9	26.9	26.9
<b>Part number</b>				
Rotational direction right	3780334	3780336	3786000	3784500
Rotational direction left	3780335	3788337	3786001	3784501



TYPICAL DEMANDING APPLICATIONS: CARGO CRANES • TIMBER CRANES • REFUSE VEHICLES • MUNICIPAL VEHICLES

