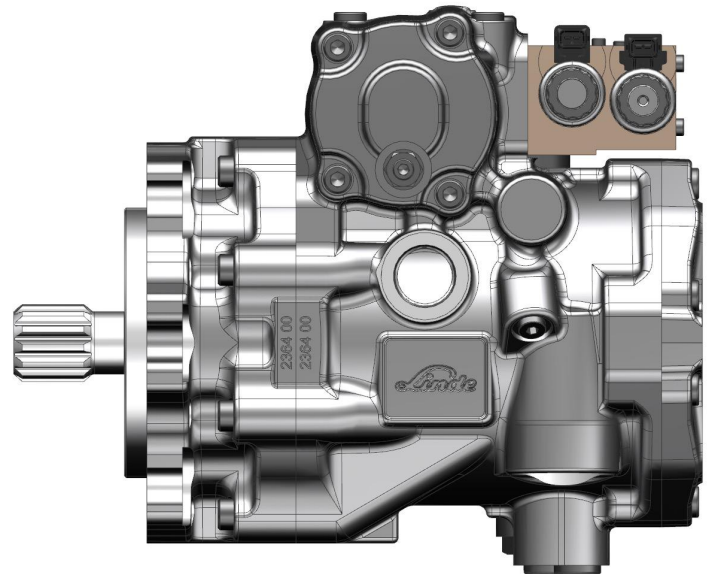
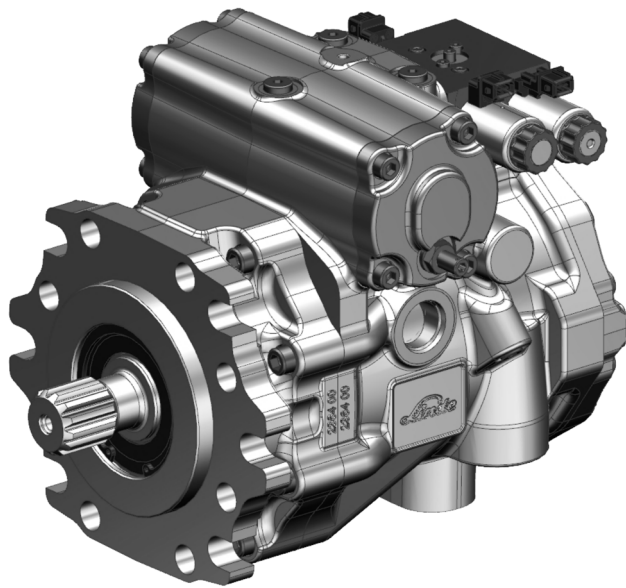


CPV

Variable displacement pump for closed circuit operation

Linde Hydraulics

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Design Characteristics

- >> Modularity (e.g. controller, peripheral parts, etc.)
- >> High integration
- >> Maintenance and repair friendliness
- >> Controller with and without position feedback
- >> Interfaces meet common understanding of global market standards (mechanical, hydraulic, electric)

Advantages

- >> Highly flexible compilation of individual configurations
- >> Extremely compact pump
- >> Cost-effective repair and conversions
- >> Suitability for load dependent & independent applications
- >> Versatile applications

General technical data*

Nominal size			65	85	100	115	145	175
Displacement	Max. Displacement		65	85	100	115	145	175
	Internal gear pump (standard size)		15	19	19	23	31	38
Speed	Nom. speed at V_{gmax}		3900	3600	3450	3300	3100	2900
	Max. speed at V_{gmax}^3		4100	3800	3650	3500	3300	3050
	Min. speed		500					
Pressure	Nominal pressure	Main pump	450	450	420	450	450	450
		IGP(standard)				25		
	Maximum pressure ²	Main pump	500	500	470	500	500	500
		IGP (standard)				40		
Power	Corner Power (at $\Delta p=430$ bar/ V_{gmax}/n_{nom})		182	219	230	272	322	364

¹ theoretical data of a single unit without efficiency effects

² highest transient pressure, that can temporarily occur

³ highest transient speed, that can temporarily occur

* These data correspond to the current development status and may deviate in the case of the series-ready product

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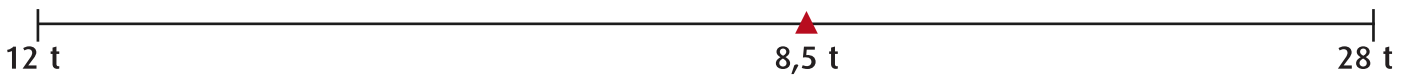
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Application example



Machine weight



Equipment

- A** 1x CPV 115
- B** 1x HMV 105-02 D
- C** 1x iCon CD 97-01