



HMF 155-02



ZRG 11^{}**

Fixed Displacem. Motor + Slewing Gearbox

Open Circuit Operation



The combination of motor, slewing gear and integrated parking brake means that LHY offers an extremely compact complete set, which enables the drive to respond dynamically and with high durability, even with high-frequency rotation cycles and changes of direction.

Actuation via the swash plate fix displacement motor allows high starting torque and steady low speed and therefore high precision. Additionally, the planetary gearbox with proprietary gear processing technology enables compact dimensions. Thanks to a forged integral inner gear ring, greater rigidity is combined with low weight.

The high variance of motor and gearbox size combinations thus covers a wide range of heavy-duty applications.

Design Characteristics

- >> High part versatility due to modular design
- >> Eccentric structure design
- >> Enabling high repeat positioning accuracy

Advantages

- >> Output shaft is supported bei heavy duty bearings
- >> Power-splitting of the heavy load planetary gear technology
- >> Static load distributing analysis technology

General technical data

Model		GS02H	GS04H	GS06H	GS12H	GS14H	GS16H	GS23H	GS27H	GS20H	GS25H	GS29H	GS32H
Numbers		1	1	1	1	1	1	1	1	2	2	2	2
Typical excavator size	t	6	8	13	21	23	24...26	37	50	65...80	95...100	100	130...150
Hydraulic Motor HMF-02	cc	30	47	65	135...155	165	180	180	249	180	249	165...249	210...249
Ratio		23.2	19.464	20.01	20.01	20.04	20.01	25.2	26.88	25.2	21.78	25.2	26.88
Max. Output torque	Nm	2434	3268	6000	12086	14209	16346	22752	31440	18409x2	24611x2	28976x2	31440x2
Weight	kg	55	77	112	244	290	335	422.5	621	418.5x2	575x2	562x2	621x2

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

* ZRG 11 - Weichai Partner Product **WEICHA**



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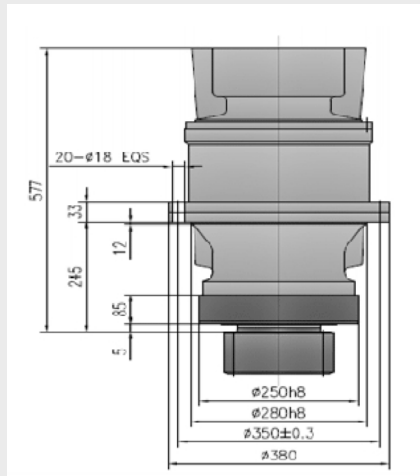
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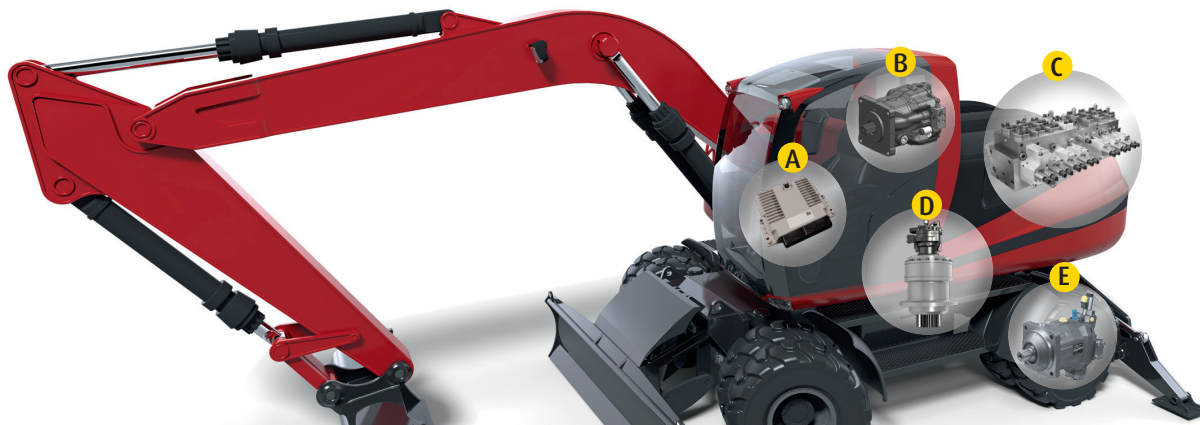
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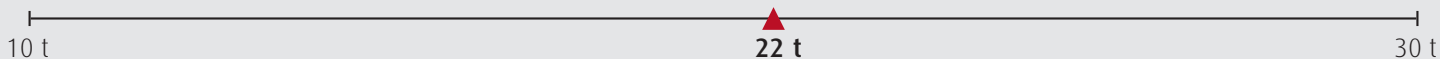
Dimensions



Application example



Machine weight



Equipment

- A** 1x iCon CD88-01
- B** 1x HPR 249-02
- C** 1x VW22/18 M5-03
- D** 1x HMF 155-02/ZRG11
- E** 1x CMV 140 + Brake Valve

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