



## DRUM DRIVE SYSTEM FOR TRUCK MIXER





# Premium mixer components German engineering



**PV pump + MF or MFS motor + PM gear box + Oil Cooler = Complete System**

## MIXER DRUM CONFIGURATIONS

DRUM VOLUME	GEAR BOX MODEL	GEAR BOX RATIO	HYDRAULIC PUMP	HYDRAULIC MOTOR	MAX. TORQUE
4 – 5 m <sup>3</sup>	PM 8	1 : 98	PV20 (33 cm <sup>3</sup> )	MF20 (33 cm <sup>3</sup> )	30.000 Nm
6 - 8 m <sup>3</sup>	PM 8	1 : 98	PV22 (70 cm <sup>3</sup> )	MF22 (70 cm <sup>3</sup> )	50.000 Nm
9 - 10 m <sup>3</sup>	PM 10	1 : 112	PV23 (89 cm <sup>3</sup> )	MF23 (89 cm <sup>3</sup> )	60.000 Nm
10 - 12 m <sup>3</sup>	PM 12	1 : 130	PV23 (89 cm <sup>3</sup> )	MF23 (89 cm <sup>3</sup> )	70.000 Nm
13 - 15 m <sup>3</sup>	PM 15 (PM80)	1 : 139	PV23 (89 cm <sup>3</sup> )	MF23 (89 cm <sup>3</sup> )	83.000 Nm
16 - 19 m <sup>3</sup>	PM 19 (PM90)	1 : 150	PV112 (112 cm <sup>3</sup> )	MF112 (112 cm <sup>3</sup> )	109.000 Nm
20 - 22 m <sup>3</sup>	PM 22	1 : 169	PV112 (112 cm <sup>3</sup> )	MF112 (112 cm <sup>3</sup> )	120.000 Nm

**Gear Box PM** – designed in Germany, made in Slovakia

Assembling dimensions interchangeable with all world largest producers.

**Oil cooler** – made in Austria

**Pumps, motors** – original Sauer&Sundstrand design, brand new components produced in Slovakia

Data	parameter	SPV PUMP/SMF MOTOR SIZE							
		20	21	22	23	24	25	26	27
Max. displacement per revolution	cm <sup>3</sup>	33,3	51,6	69,8	89,0	118,7	165,8	227,3	333,7
Max. flow	dm <sup>3</sup> min <sup>-1</sup>	119,54	159,96	196,14	230,51	278,94	348,18	429,59	557,28
Charge pump	cm <sup>3</sup>	12,30	12,30	18,03	18,03	18,80	32,80	32,80	65,50
Max. pressure	MPa	40							
Nominal pressure	MPa	21							
Max. pressure of control	MPa	3,5							
Charge pressure	MPa	0,8 - 2,0							
Max. pressure in case	MPa	0,25 continuous 0,5 intermittent							
Maximum speed +	min <sup>-1</sup>	3590	3100	2810	2590	2350	2100	1890	1670
Minimum speed	min <sup>-1</sup>	500							
Nominal speed	min <sup>-1</sup>	1500							
Operating temperature	°C	-40 to +50							
Max. temperature of working fluid in tank	°C	80							
Purity of working fluid	µm	10							

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