



POWER
TRANSMISSION
Division

PMS



PMS - Drive Systems
for Electric Industrial Vehicles

PMP[®]
INDUSTRIES



Quietness & Simplicity

A detailed close-up photograph of a mechanical gear assembly. The central focus is a cylindrical metal shaft with a central hole, mounted on a large, dark-colored gear. The gear has a series of sharp, pointed teeth. The background is a textured, metallic surface, possibly a housing or a base plate, with a circular opening visible at the top. The lighting is dramatic, highlighting the metallic surfaces and the intricate details of the gear teeth.

Dual Drives



PMS 601

Max output torque	[Nm]	1.300
Max input speed	[rpm]	5.000
Available ratios	I:	18.1, 19.8, 22.0, 24.1, 26.8
Max wheel load	[kg]	2.800
Typical electric motor power	[kW]	5



PMS 701

Max output torque	[Nm]	3.000
Max input speed	[rpm]	5.000
Available ratios	I:	17.5, 20.4, 24.2, 27.3, 29.5
Max wheel load	[kg]	4.400
Typical electric motor power	[kW]	7.5



PMS 855

Max output torque	[Nm]	5.000
Max input speed	[rpm]	5.000
Available ratios	I:	20.2, 24.0, 29.0, 36.1
Max wheel load	[kg]	6.200
Typical electric motor power	[kW]	8-10



PMS 880

Max output torque	[Nm]	10.000
Max input speed	[rpm]	4.000
Available ratios	I:	20.2, 28.3, 36.1
Max wheel load	[kg]	9.000
Typical electric motor power	[kW]	12-18

Drive Axles



PMS 701 HS

Max output torque	[Nm]	2x3.000
Max input speed	[rpm]	5.000
Available ratios	I:	17,5, 20,4, 24,2, 27,3, 29,5
Max load capacity	[kg]	8.800
Typical electric motor power	[kW]	15



PMS 855 HS

Max output torque	[Nm]	2x5.000
Max input speed	[rpm]	5.000
Available ratios	I:	20,2, 24,0, 29,0, 36,1
Max load capacity	[kg]	12.400
Typical electric motor power	[kW]	16-20



PMS 701 TR

Max output torque	[Nm]	2x3.000
Max input speed	[rpm]	5.000
Available ratios	I:	17,5, 20,4, 24,2, 27,3, 29,5
Max load capacity	[kg]	8.800
Typical electric motor power	[kW]	18-20

Forklift Capacity (*)

	1.0 - 2.0 t	2.5 - 3.5 t	4.0 - 5.5 t	6.0 - 8.0 t
PMS 601	■			
PMS 701		■		
PMS 701 HS		■		
PMS 855			■	
PMS 855 HS			■	
PMS 880				■

(*) PMS 701 HS TR is typically used on electric tow tractors with a towing capacity up to 30 T

PMS – Smart and efficient drives for Electric Industrial vehicles

PMP Industries is a world-class manufacturer of innovative Drive Systems for Electric Industrial Vehicles: our mission is to design, develop and manufacture the most **efficient, reliable and quiet** gearboxes for each specific application. The concepts that are driving our engineers in the design of all **PMS** drives are: **mechanical and thermal efficiency**, quietness and simplicity. Moreover, in these years PMP has developed six international patents, regarding innovative technologies and smart technical solutions.

Today all **PMS** Drive Systems feature integrated **wet disk brakes** located in a separate chamber: this unique configuration provides superior braking performance, longer oil change intervals and higher efficiencies, thanks to the special disengagement system. **100% final testing** of the drives also guarantees full reliability and traceability.



PMS DUAL DRIVES

PMP Industries pioneered the development of Dual Drive solutions for electric industrial vehicles: offering since the beginning a **unique range** of Dual Drive gearboxes for forklifts with lifting capacity up to eight tons. These drives provide superior maneuverability, flexibility of application and simplicity, as no mechanical differential is needed.

PMS DRIVE AXLES

Extremely compact Drive Axles: the hollow shaft motors located between the gearboxes provide reduced envelope dimensions, thus allowing more room to lower the centre of gravity of the vehicle and optimize **ergonomics**. The offset between the wheel axle and the motor axle also allows better mast positioning and load balance.

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