



POWER TRANSMISSION
FLUID POWER
Divisions



Complete solutions for HYDRAULIC EXCAVATORS

PMP
INDUSTRIES



PMCI, Integrated travel drives



Description

- Drives with integrated high pressure, high speed motors designed for heavy duty applications
- Ideal solution for hydraulic excavators from 6 to 50 tons.

Features

- Efficiency and Compact Design
- High pressure technology increases the efficiency of the hydraulic system
- Single or Dual speed motors with integrated counterbalance valve and relief valves
- Hydraulic brake directly applied on the motor
- Automatic speed change available upon request
- PMP wet disk brake patented technology
- Lower working temperature, higher system efficiency
- Working temperature range – 40°C / + 110°C



Reliability and Durability

- Low displacement, high pressure motors for longer life of critical components and increased durability of the entire system
- Full Bronze cylinder sleeves on rotating block
- Bimetallic (Bronze/Steel) distribution plate
- Rotary group with differential spring system which increases motor life
- Gearbox main seal with triple seal system: mechanical labyrinth, v-ring seal, main oil seal
- Main seal easily replaceable without gearbox disassembly
- Gearbox main bearing made of a single part, easily replaceable, fully supplied with pre-set load





PMCI, Integrated travel drives

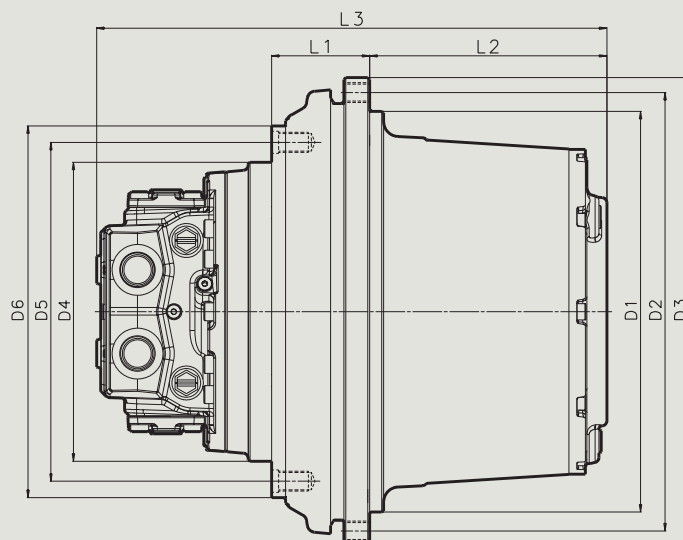


Specification

	PMCI 1000	PMCI 1200	PMCI 1500	PMCI 2000	PMCI 2500	PMCI 3000	PMCI 4000	PMCI 4500	PMCI 6000	PMCI 9000
Available ratios [i:]	24 - 53	30 - 53	47	67 - 169	55	56 - 125	63 - 120	55 - 135	60 - 162	65 - 183
Max Output Torque [Nm]	10.000	12.000	15.000	20.000	20.000	30.000	40.000	45.000	62.000	90.000
Displacement Max [cc]	55	55	55	55	72	72	110	110	180	180
Max Pressure [bar]	350	350	350	350	350	350	350	350	350	350
Park brake Torque [Nm]	165	165	165	165	240	240	335	335	600	600
Weight [kg]	82	90	95	120	175	175	245	245	370	490
Typical Excavator size [ton]	5-6	6 - 7	8 - 9	10	11 - 15	16 - 18	19 - 23	23 - 26	27 - 36	37 - 50

Dimensions

	PMCI 1000	PMCI 1200	PMCI 1500	PMCI 2000	PMCI 2500	PMCI 3000	PMCI 4000	PMCI 4500	PMCI 6000	PMCI 9000
L1	75	80	100	100	100	82	98,5	98,5	102,5	148
L2	144	152	167,5	201	167	240	243	240	283	317,5
L3	357	348	387,5	420	395	440	517	513	535	607
D1	230	265	275	280	324	320	402	402	450	460
D2	260	300	305	330	364	380	440	440	492	510
D3	286	326	331	370	394	410	470	470	525	550
D4	210	210	246	246	246	240	300	300	380	410
D5	244	250	280	280	280	285	340	340	440	455
D6	268	280	308	308	314	330	373	382,5	480	493





PMTE, Swing Drives



Description

- Rotation swing drives with integrated axial piston motors tailored for application from 6 to 50 tons.
- Optimized gear solutions for high speed applications

Features

- Accuracy and Quietness
- High pressure technology increased efficiency of the hydraulic system
- Axial piston motors complete with hydraulic negative patented brakes, anticavitation valves, shockless valves
- Low temperature and high efficiency hydraulic brakes featuring special separators allowing immediate brake disk opening at brake disengage
- Special gear profiles designed for high efficiency and low noise level
- Gearbox structure optimized for perfect alignment of critical component in order to minimize noise
- Working temperature range – 40°C / + 110°C



Reliability and Durability

- Heavy duty hi-pressure applications technical standards allowing longer life of critical components and increased durability of the entire system
- robust structure and compact dimensions





PMTE, Swing Drives

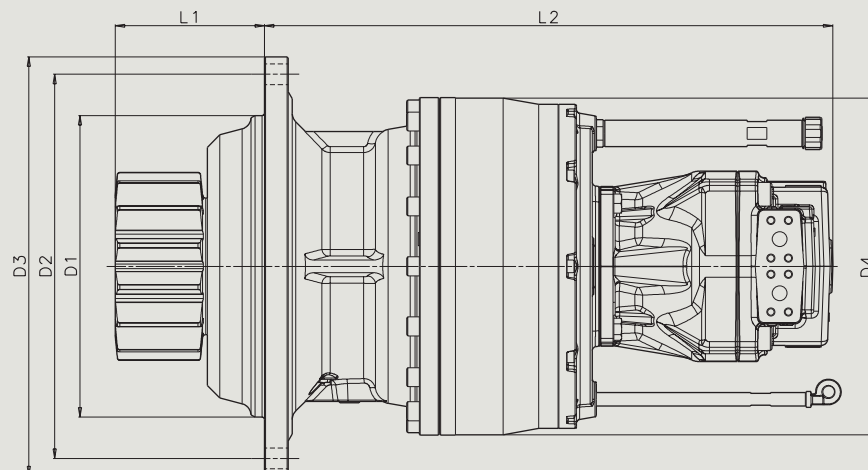


Specification

	PMTE 700	PMTE 2000	PMTE 3000	PMTE 4000	PMTE 6000	PMTE 4000
Number	1	1	1	1	1	2
Ratios	21 - 29	37 - 45	16 - 30	16 - 21	24 - 35	16 - 21
Max Output Torque [Nm]	3.400	8.500	15.000	18.000	32.000	18.000 × 2
Number	1	1	1	1	1	2
MT Motor Displacement [cc]	55	72	110	180	180	180 × 2
Max Pressure [bar]	350	350	350	350	350	350
Weight [kg]	80	130	200	230	310	230 × 2
Typical Excavator size [ton]	6 - 8	12 - 16	16 - 22	23 - 27	27 - 37	37 - 50

Dimensions

	PMTE 700	PMTE 2000	PMTE 3000	PMTE 4000	PMTE 6000
L1	105	147	146	179	188
L2	479	556	608	653	732
D1	200	200	310	345	380
D2	275	290	360	400	484
D3	310	323	410	454	528
D4	252	278	316	348	425



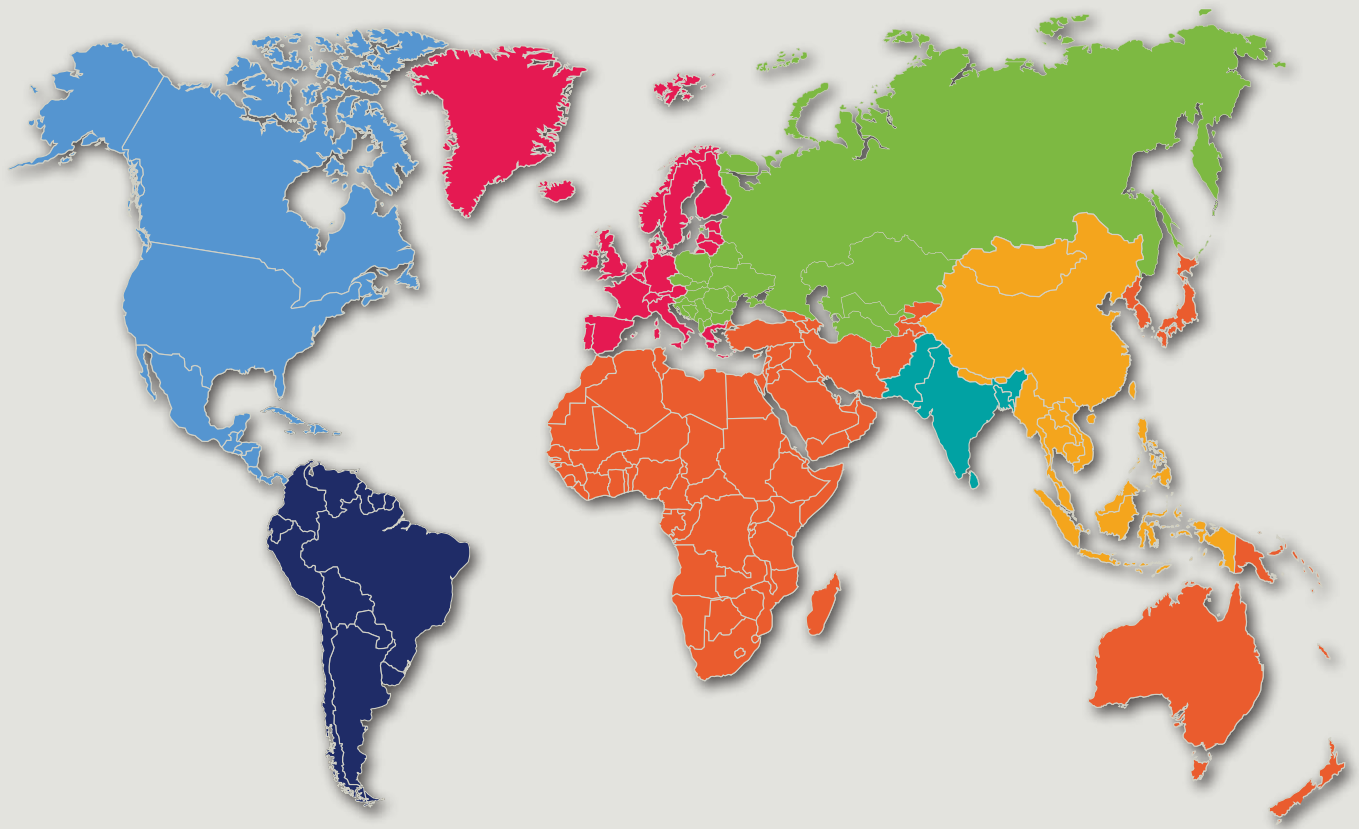
PMP, THE APPLICATION SPECIALIST

Global Presence, worldwide growth

PMP Power Transmission and Fluid Power Divisions are part of PMP Industries Spa, the holding company of an international group including 5 entities, 4 business divisions and 1000 employees worldwide.

Through its four divisions, **PMP Industries is capable of serving a wide range of businesses globally**: from the Construction Equipment to the Steel industry, from AG & Forestry to Mining equipment manufacturers, from the Wind to the Marine industry.

PMP Industries HQ are located in Italy where the company was first established in 1991. Today PMP's four manufacturing locations supply mechanical transmissions, hydraulic transmissions, heavy metal fabrications and dedusting systems worldwide.



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