

Zhengzhou Zhongweixun **E**lectromechanical **E**quipment **Co., Ltd**

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Specifications are subject to change without notice

WEICHAI POWER
CONSTRUCTION
MACHINERY ENGINE

Zhongweixun Electromechanical Equipment Co., Ltd

GROUP OVERVIEW

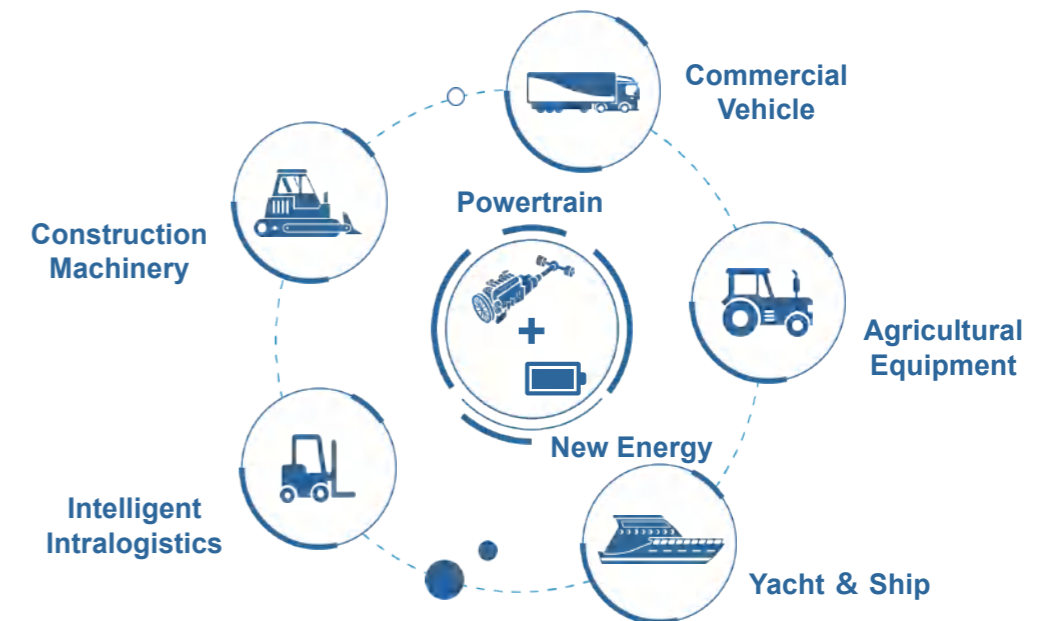
ABOUT US

Founded in 1946, Weichai Holding Group Co., Ltd. is a leading multinational industrial equipment group in China with significant global influence. The Group has Weichai Power, Shacman Truck, Weichai Lovol Intelligent Agriculture, Fast Transmission, Hande Axle, Torch Spark Plug, Ferretti of Italy, KION of Germany, Linde Hydraulics of Germany, Dematic of the U.S., PSI of the U.S., Baudouin of France, Ballard of Canada and other well-known brands at home and abroad. The Group has 10 stocks from 8 companies listed at home and abroad, a global workforce of 100,000 and an annual revenue of more than 300 billion yuan.

The Group's main business covers powertrain systems, commercial vehicles, agricultural equipment, construction machineries, intelligent logistics, and marine mobility. It has subsidiaries in Europe, North America, Asia and other regions, and its products are exported to more than 150 countries and regions in the world. Its sales volume of heavy-duty engine and heavy-duty transmission is the first in the world; the industrial forklift and luxury yacht are leading the world; the sales volume of agricultural equipment is the first in China; the heavy-duty trucks are leading in China. It has the State key Laboratory of Engine and Powertrain System, the National Fuel Cell Technology Innovation Center, the National Internal Combustion Engine Industry Measurement and Testing Center, the National Internal Combustion Engine Product Quality Inspection and Testing Center, the National Commercial Vehicle Powertrain System Assembly Engineering and Technology Research Center and other national-level platforms. It has established cutting-edge technology innovation centers in many places around the world, and set up global collaborative R&D system.



BUSINESS SEGMENTS

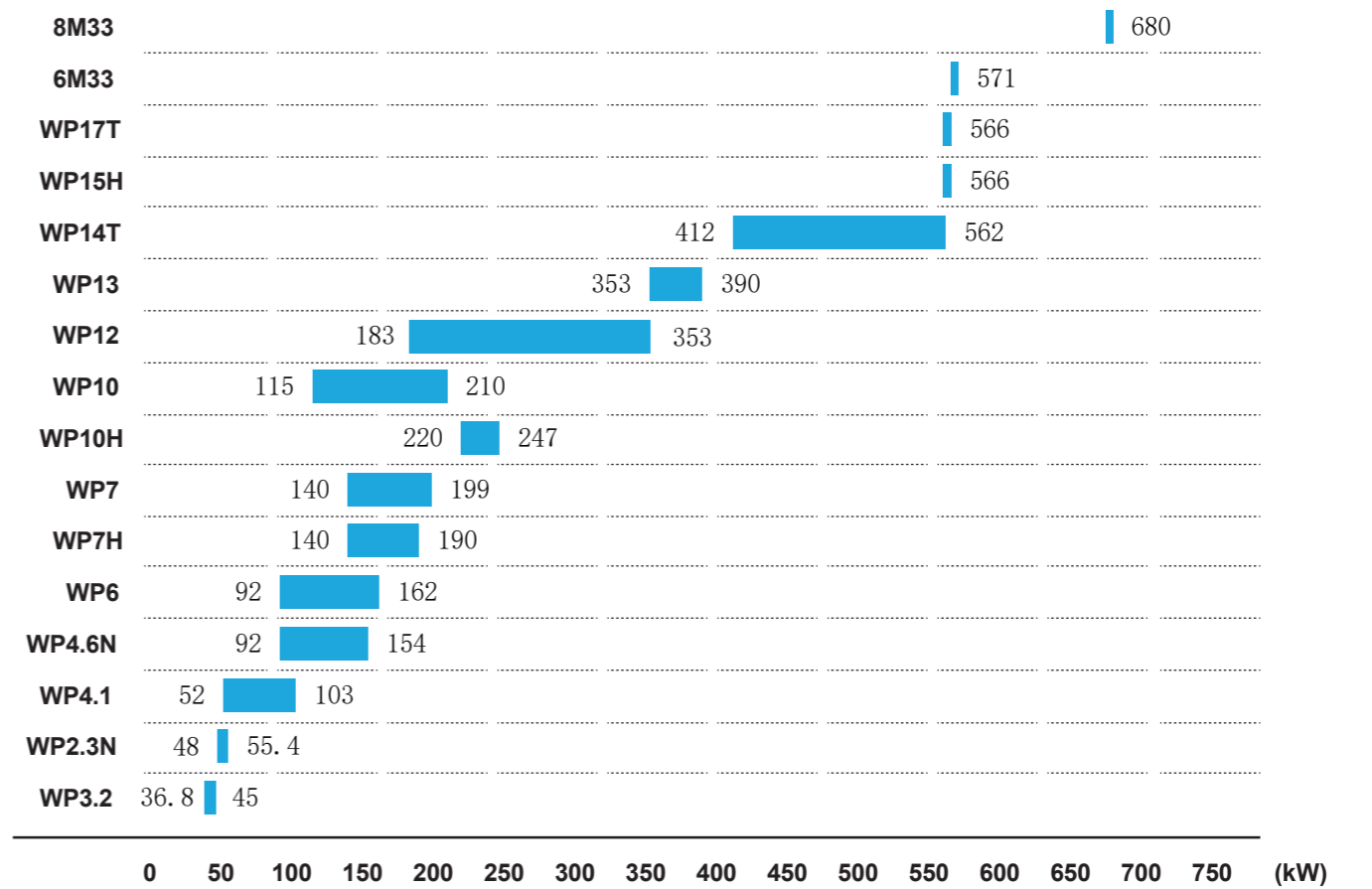


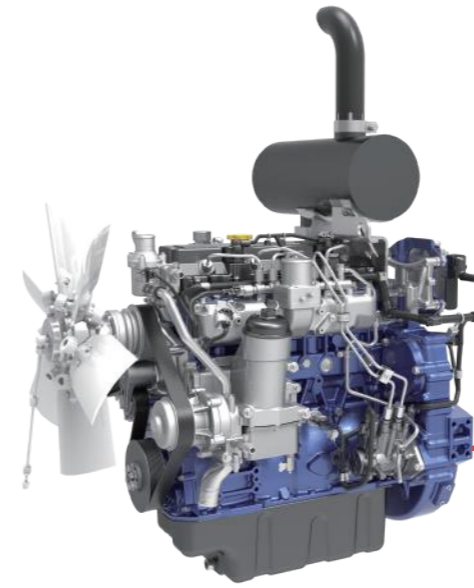


PORTFOLIO

Diesel Engine (Stage 3A)

Technical Solution: Common Rail





DIESEL ENGINE

WP4.6N Series

Model	Rated net power/Speed (kW/rpm)	Max.torque/Speed (N·m/rpm)
WP4.1G70E301	52/2400	260/1400-1800
WP4.1G82E301	60/2400	300/1400-1800
WP4.1G85E311	62.5/2200	320/1300-1600
WP4.1G85E301	62.5/2300	350/1400-1600
WP4.1G88E301	65/2400	330/1400-1800
WP4.1G100E311	74/2200	395/1400-1600
WP4.1G100E301	73.5/2300	400/1400-1600
WP4.1G102E301	74.9/2400	380/1400-1800
WP4.1G110E311	82/2200	460/1400-1600
WP4.1G125E313	92/2000	520/1300-1500
WP4.1G125E302	92/2200	480/1600-1800
WP4.1G140E301	103/2300	520/1500-1700

■ Typical application



■ Specifications

Fuel system : common rail

Cylinders: 4

Bore × Stroke(mm): 108×125

Displacement(L): 4.6

Length ×Width× Height(mm): 721×696×827

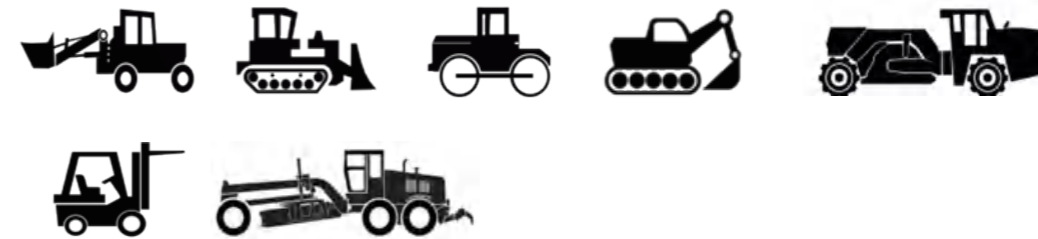


DIESEL ENGINE

WP6 Series

Model	Rated net power/Speed (kW/rpm)	Max.torque/Speed (N·m/rpm)
WP4.6NG125E300	92/2300	515/1400-1600
WP4.6NG125E301	92/2200	560/1300-1500
WP4.6NG125E303	92/2000	570/1300-1500
WP4.6NG175E301	129/2200	680/1400-1600
WP4.6NG190E301	140/2200	805/1500
WP4.6NG190E305	140/1800	805/1500
WP4.6NG200E301	147/2200	820/1500
WP4.6NG200E303	147/2000	805/1500
WP4.6NG210E301	154/2200	805/1500

■ Typical application



■ Specifications

Fuel system : common rail

Cylinders: 6

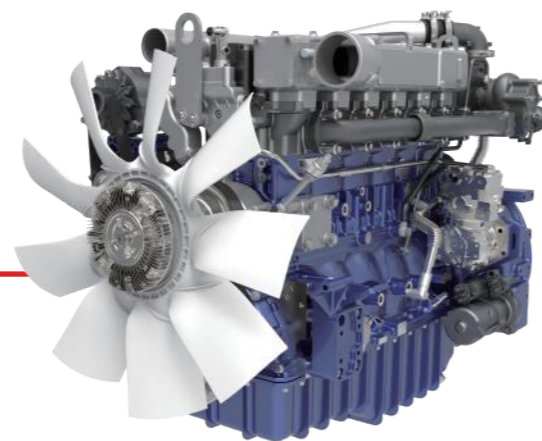
Bore × Stroke(mm): 105×130

Displacement(L): 6.75

Length ×Width× Height(mm): 1178×640×919

DIESEL ENGINE

WP7 Series



■ Typical application



■ Specifications

Fuel system : common rail

Cylinders: 6

Bore × Stroke(mm): 108×136

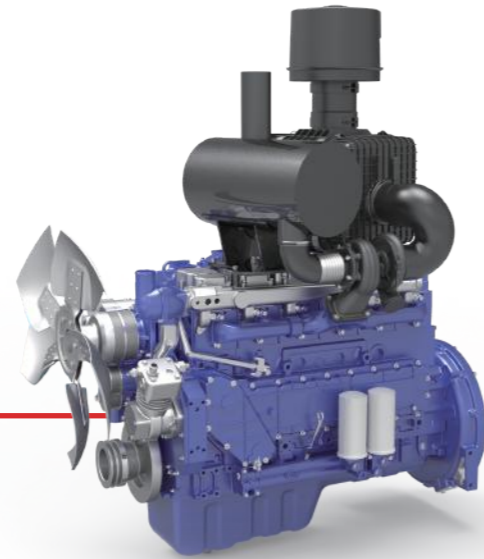
Displacement(L): 7.47

Length ×Width× Height(mm): 1155×813×985

Model	Rated net power/Speed (kW/rpm)	Max.torque/Speed (N·m/rpm)
WP7G190E303	140/1900	940/1200-1400
WP7G207E304	152/1800	975/1200-1400
WP7G210E301	154/2000	980/1300-1500
WP7G210E300	154/2200	950/1300-1500
WP7G220E303	162/1900	1060/1200-1400
WP7G220E301	162/2000	1000/1300-1500
WP7G220E300	162/2200	1000/1300-1500
WP7G240E301	176/2200	1100/1300-1500
WP7G270E300	199/2300	1200/1200-1500

DIESEL ENGINE

WP10 Series



■ Typical application



■ Specifications

Fuel system : common rail

Cylinders: 6

Bore × Stroke(mm): 126×130

Displacement(L): 9.7

Length ×Width× Height(mm): 1527×870×1870

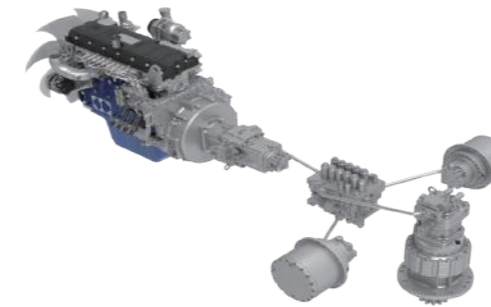
Model	Rated net power/Speed (kW/rpm)	Max.torque/Speed (N·m/rpm)
WP10G156E356	115/1800	750/1100-1200
WP10G178E355	131/1850	830/1000-1200
WP10G178E356	129/1800	890/1000-1200
WP10G181E355	133/1850	830/1000-1200
WP10G190E314	140/1900	955/1300-1500
WP10G190E354	140/1900	900/1300-1500
WP10G200E355	148/1850	920/1100-1200
WP10G210E343	154/2000	980/1300-1500
WP10G220E314	162/1900	1035/1200-1400
WP10G220E343	162/2000	980/1300-1500
WP10G220E341	162/2200	950/1400-1600
WP10G240E343	178/2000	1100/1300-1500
WP10G240E342	178/2100	1100/1300-1500
WP10G240E341	178/2200	1100/1400-1600
WP10G270E341	199/2200	1100/1400-1600
WP10G286E301	210/2200	1185/1600-1800

WEICHAI POWER

CONSTRUCTION MACHINERY ENGINE

HYDRAULIC POWERTRAIN

Hydraulic Powertrain



■ Low fuel consumption

--Large-displacement engine + large-displacement hydraulic pump, and the working speed of the engine matched to the optimal economy range.

--Cooperative calibration of engine + hydraulic + machine control strategy can further reduce fuel consumption.

■ Low noise

--Large-displacement engine + large-displacement hydraulic pump, reducing the engine speed and noise.

■ Good comfort

--Electronic control handle, CVT, easy and comfortable operation.

Hydraulic Powertrain

Excavator hydraulic powertrain product profile

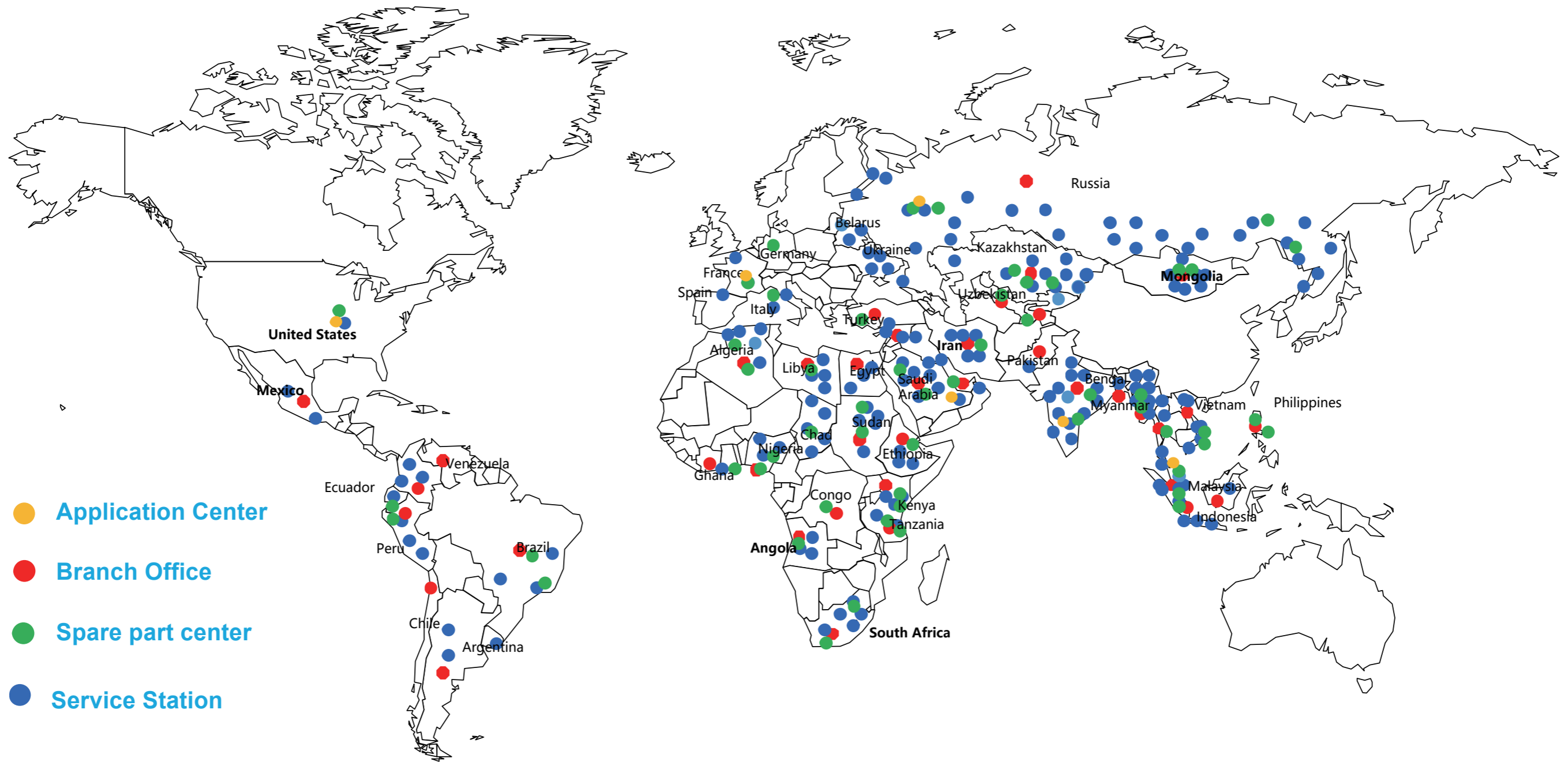
Excavator	5-8t	12-15t	18-20t	21-24t	25-26t	35-42t	45-60t	65-70t	75-85t	90-100t	120-150t
Engine	WP3.2T	WP4.1	WP4.6N WP6	WP7H		WP10H	WP14T	WP15H	WP17T	6M33	8M33
Pump	HPR80	HPR80D	HPR125D	HPR135D	HPR150D	HPR210D	HPR249D	HPR300D		HPR300x2	HPR300x3
Valve	LSC18	OCV22	OCV25			OCV32E		OCV36E		OCV36E-F4	
Swing	GS02	GS06	GS12	GS14	GS16	GS23	GS27 2×GS16	2×GS20	2×GS23	2×GS29	2×GS32
Travel	GR07H	GR21H	GR38H			GR75H	GR95H	GR110H	GR140H	GR190H	GR240H

Loader hydraulic powertrain product profile

Loader	6t	7t	8t
Engine	WP7		WP10
Work	MPR85+gear pump 63+valve	MPR85+gear pump 112+valve	MPR100+gear pump125+valve
Travel	HPV165+CMV115/170		HPV210+CMV170/215



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