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**WEICHAI
G-Drive Engines**

Global Leader Full Series Whole Field Engine Supplier



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THE BEST DIESEL ENGINE BY WEICHAI

Weichai has four business platforms covering vehicle, powertrain, luxury yacht and auto parts. Its subsidiaries are spread across Europe, North America, Southeast Asia and other regions. Global Research and Development Operation centers are established in Chicago, Marseilles, Forli, Frankfurt and Singapore. At present, Weichai has offices in more than 30 countries and over 400 authorized service stations. Weichai products are sold in 100 countries and regions around the world. The inventory of overseas engines reaches 250,000 and that of heavy-duty trucks exceeds 100,000. Weichai is committed to extending its industry supply



chain and improving its competitiveness through strategic investments. Weichai acquired French Baudouin in 2009, further expanding engine business. In 2012, Weichai Group acquired 75 percent of Italy's Ferretti, the world's largest luxury yacht manufacturing enterprise. Later in 2012, Weichai Group subsidiary, Weichai Power, signed a strategic cooperation agreement with KION Group, one of the world's top industrial forklift truck manufacturers and global leader of the hydraulic technology. Weichai aims to provide maximum satisfaction through its full range of engine and power offerings.

R&D CAPABILITY



SYSTEM AND FIELD CERTIFICATIONS



G-DRIVE ENGINE INTRODUCTION

In China, Weichai Power is not only one of the earliest engine manufactures, but also the biggest diesel engine manufacturer. Their product of industrial generation have been sold to 76 countries and regions, and received deep trust from customers.

For half a century, Weichai Power Weichai Power has dedicated dedicated to explore the application and development of diesel engine, to provide full series, full field engine for customers, to active showing concern on ecological environment, to constant R & D for bringing out low emission product, to be the No.1 of this industry and to obtain more acceptance from customers.

Currently, Weichai Power has four series of engine products for land generation, including WP2.1-WP4.3 series, WP4/WP6 series, WP10/WP12/WP13 series, Baudouin M26 series. At present, its high speed series products have been passed EU Stage II emission certificate. The power of Weichai diesel engine products ranges from 17.5 to 920kW and that of gas engine products ranges from 30 to 225kW, all of which have been sold in large quantities.

Weichai Power, the supplier to provide you with overall power service!

POWER RANGE AND TECHNIQUE ROUTE

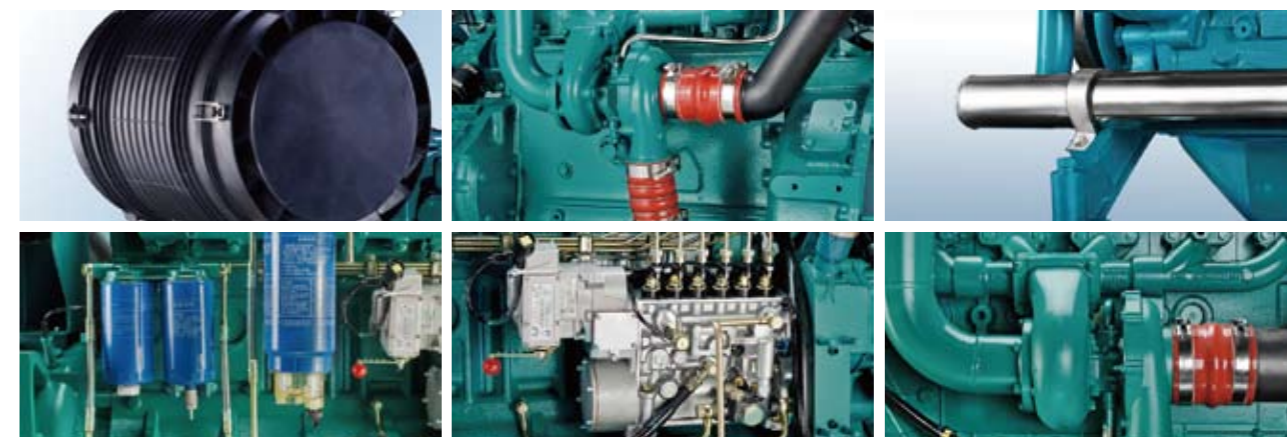
	Power (kW)	EU Stage II India CPCB I	EU Stage III A India CPCB II
M26	440 — 920	Mechanical Injection Pump	
WP10/12/13	182 — 402	Mechanical Injection Pump	High-Pressure Common Rail
WP4/6	60 — 144	Mechanical Injection Pump	High-Pressure Common Rail
WP2.1-4.3	17.5 — 50	Mechanical Injection Pump	EGR+Mechanical Pump
Gas Engine	90 — 660		

WEICHAI G-DRIVE ENGINE TECHNOLOGY

After optimization on the structure and sealing, the newly designed air filter has higher filtering efficiency, cleaner intake, more compact structure, and easier replacement of filter element;

The optimization on intake and exhaust system, fuel system and turbocharger makes more fluent intake and complete combustion with a lower fuel consumption and

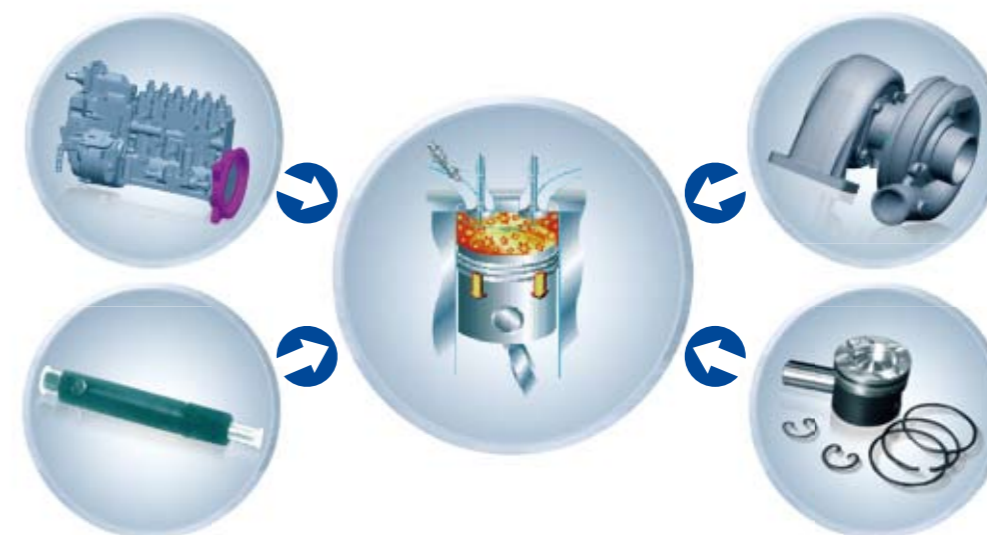
using cost; Optimization of cooling piping. Suspension bracket can play the role of both vibration reduction and transport bracket which is convenient for installation; The newly designed oil pan is of boat shape structure, which can increase the oil heat radiation area and play the role of vibration reduction;



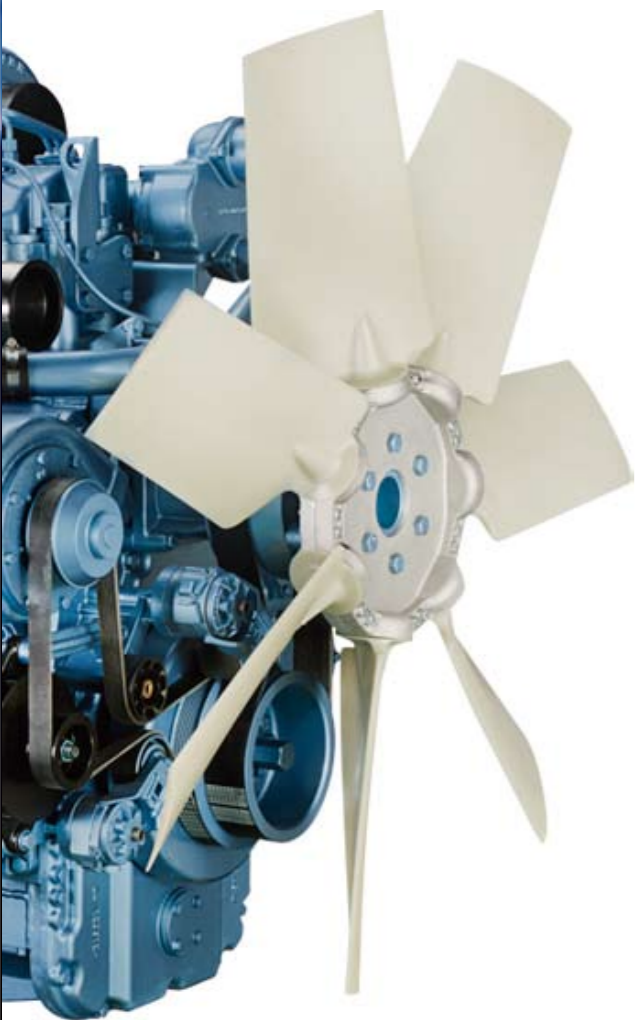
PRODUCT FEATURES

Great Fuel Efficiency

- Optimized engine intake and fuel system;
- Lower engine fuel consumption



G-DRIVE DIESEL ENGINE



									
Engine	WP2.1	WP4.3	226B-3	WP4	WP6	WP10	WP12	WP13	M26
Type	in line, four-stroke, Water-cooled	in line, four-stroke, water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	V-arrangement, four-stroke, Water-cooled
Cylinder number	4	4	3	4	6	6	6	6	6, 8, 12
Bore×Stroke(mm)	85×92	105×125	105×120	105×130	105×130	126×130	126×155	127×165	150×150
Fuel Consumption (g/kw·h)	≤235	≤235	≤205	≤205	≤205	≤200	≤200	≤200	≤200
Electric System	DC12V	DC12V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Governor Method	Mechanic	Mechanic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Electronic

									
Engine	WP2.1	WP4.3	226B-3	WP4	WP6	WP10	WP12	WP13	M26
Type	in line, four-stroke, Water-cooled	in line, four-stroke, water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	in line, four-stroke, Water-cooled	V-arrangement, four-stroke, Water-cooled
Cylinder number	4	4	3	4	6	6	6	6	6, 8, 12
Bore×Stroke(mm)	85×92	105×125	105×120	105×130	105×130	126×130	126×155	127×165	150×150
Fuel Consumption (g/kw·h)	≤235	≤235	≤205	≤205	≤205	≤200	≤200	≤200	≤200
Electric System	DC12V	DC12V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Governor Method	Mechanic	Mechanic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Electronic

G-Drive Diesel Engine

	Models	Type	Engine Model	Prime kW	Standby kW	Displacement L	Aspiration	Genset Power kW/KVA
Land-Based G-Drive Engine	WP2.1-WP4.3	50Hz 1500rpm	WP2.1D18E2	17.5	19	2.1	NA	12/15
			WP2.5D22E2	22	24	2.5	NA	16/24
			WP3.9D33E2	33.3	37	3.9	NA	24/30
			WP4.3D38E2	38	42	4.3	NA	30/38
		WP4.1D50E2	50	55	4.1	NA	40/50	
		60Hz 1800rpm	WP2.1D21E2	21	23	2.1	NA	16/24
			WP2.5D26E2	26	29	2.5	NA	20/25
			WP3.9D40E2	40	44	3.9	NA	30/38
	WP4.3D45E2		45	50	4.3	NA	40/50	
	WP4/WP6	50Hz 1500rpm	D226B-3D	30	33	3.1	NA	24/30
			TD226B-3D	45	50	3.1	T	30/38
			WP4D66E200	60	66	4.5	T	50/63
			WP4D100E200	90	100	4.5	TA	75/94
			WP6D132E200	120	132	6.8	TA	100/125
			WP6D152E200	138	152	6.8	TA	120/150
		60Hz 1800rpm	D226B-3D1	36	40	3.1	NA	30/38
			TD226B-3D1	50	55	3.1	T	40/50
			WP4D66E201	60	66	4.5	T	50/63
			WP4D100E201	90	100	4.5	TA	75/94
			WP4D118E201	108	118	4.5	TA	90/113
			WP6D132E201	120	132	6.8	TA	100/125
	WP10WP12/WP13	50Hz 1500rpm	WP10D200E200	182	200	9.7	TA	150/188
			WP10D238E200	216	238	9.7	TA	180/225
			WP10D264E200	240	264	9.7	TA	200/250
			WP12D317E200	288	317	11.6	TA	250/313
			WP13D385E200	350	385	12.5	TA	300/375
		60Hz 1800rpm	WP10D200E201	182	200	9.7	TA	150/188
			WP10D238E201	216	238	9.7	TA	180/225
WP10D264E201			240	264	9.7	TA	200/250	
WP12D317E201			288	317	11.6	TA	250/313	
WP13D385E201			350	385	12.5	TA	300/375	
M26	50Hz 1500rpm	6M26D484E200	440	484	15.9	TA	400/500	
		12M26D968E200	880	968	31.8	TA	800/1000	
	60Hz 1800rpm	6M26D506E201	460	506	15.9	TA	400/500	
		12M26D1012E201	920	1012	31.8	TA	800/1000	

NA: Nature aspiration; T: Turbocharged ; TA : Turbocharged and aftercooled ;

G-Drive Diesel Engine

	Models	Type	Engine Model	Prime kW	Standby kW	Displacement L	Aspiration	Genset power kW/KVA
Marine-Based G-Drive Engine	WP2.1-WP4.3	50Hz 1500rpm	WP2.1CD18E1	17.5	19	2.1	NA	12/15
			WP2.5CD22E1	22	24	2.5	NA	16/24
			WP3.9CD33E1	33.3	37	3.9	NA	24/30
			WP4.3CD38E1	38	42	4.3	NA	30/38
	WP4/WP6	50Hz 1500rpm	D226B-3CD	30	33	3.1	NA	24/30
			TD226B-3CD	40	44	3.1	T	30/38
			WP4CD66E200	60	66	4.5	T	50/63
			WP4CD100E200	90	100	4.5	TA	75/94
			WP6CD132E200	120	132	6.8	TA	100/125
			WP6CD152E200	138	152	6.8	TA	120/150
		60Hz 1800rpm	D226B-3CD1	36	40	3.1	NA	30/38
			TD226B-3CD1	50	55	3.1	T	40/50
			WP4CD66E201	60	66	4.5	T	50/63
			WP4CD100E201	90	100	4.5	TA	75/94
	WP10/WP12/WP13	50Hz 1500rpm	WP4CD118E201	108	118	4.5	TA	90/113
			WP6CD132E201	120	132	6.8	TA	100/125
			WP6CD158E201	144	158	6.8	TA	120/150
			WP10CD200E200	182	200	9.7	TA	150/188
			WP10CD238E200	216	238	9.7	TA	180/225
			WP10CD264E200	240	264	9.7	TA	200/250
			WP12CD317E200	288	317	11.6	TA	250/313
		60Hz 1800rpm	WP13CD385E200	350	385	12.5	TA	300/375
			WP10CD200E201	182	200	9.7	TA	150/188
			WP10CD238E201	216	238	9.7	TA	180/225
			WP10CD264E201	240	264	9.7	TA	200/250
			WP12CD317E201	288	317	11.6	TA	250/313
			WP13CD385E201	350	385	12.5	TA	300/375
			M26	50Hz 1500rpm	6M26CD506E200	460	506	15.9
12M26CD1012E200	920	1012			31.8	TA	800/1000	
60Hz 1800rpm	6M26CD506E201	460		506	15.9	TA	400/500	
	12M26CD1012E201	920		1012	31.8	TA	800/1000	

NA: Nature aspiration; T: Turbocharged ; TA : Turbocharged and aftercooled ;

G-DRIVE GAS ENGINE

Overview

Each series of Weichai generating gas engine is developed and designed on the basis of corresponding matured Weichai diesel engine and uses LNG, CNG, and methane as the fuel. A completely new design on piston, valve and valve seat ring and cooling method is conducted on it as per such advantages of gas engine as high heat value and high exhaust temperature and so on. With mature and reliable Woodward gas electrical control injection system, its power, reliability and economy can reach the same level of similar diesel engine, which makes it the ideal power for gen-set with gas engine.

More than 10000 gas engines have been sold every year.



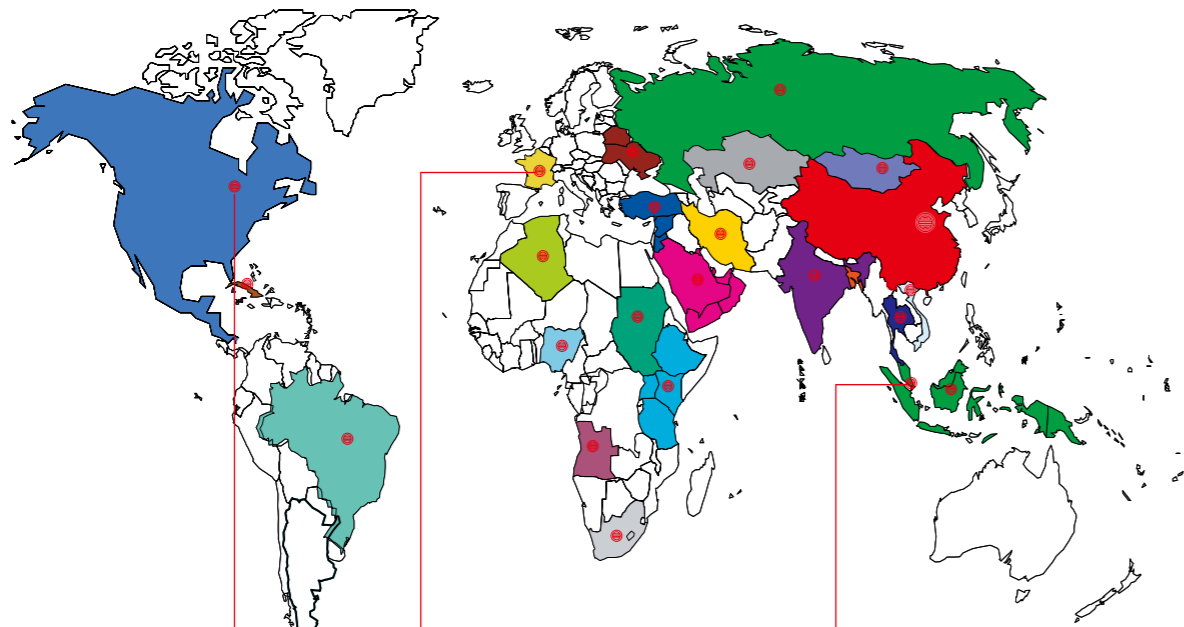
* Available After December 2014

Engine Model	Prime kW	Cylinder Number	Bore×Stroke mm	Displacement L	Fuel Consumption g/kw.h	Electric System	Governor Method	Aspiration	Genset Power kW/KVA
WP6D100E200NG	90	6	105×130	6.2	215	DC24V	Electronic	T	75/94
WP6D118E200NG	108	6	105×130	6.2	215	DC24V	Electronic	T	90/113
WP6D132E200NG	120	6	105×130	6.2	215	DC24V	Electronic	T	100/125
WP10D158E200NG	144	6	126×130	9.7	215	DC24V	Electronic	T	120/150
WP10D200E200NG	182	6	126×130	9.7	215	DC24V	Electronic	T	150/188
WP12D238E200NG	216	6	126×155	11.6	215	DC24V	Electronic	T	180/225
WP12D260E200NG	240	6	126×155	11.6	215	DC24V	Electronic	T	200/250
WP13D286E200NG	260	6	127×165	12.5	215	DC24V	Electronic	T	230/287.5
WP13D317E200NG	288	6	127×165	12.5	215	DC24V	Electronic	T	250/312.5
*6M26D385Z200NG	350	12	150×150	15.9	215	DC24V	Electronic	T	500/625
*12M26D605E200NG	550	12	150×150	31.8	215	DC24V	Electronic	T	500/625
*12M26D726Z200NG	660	12	150×150	31.8	215	DC24V	Electronic	T	600/705

T: Turbocharged

INTERNATIONAL SERVICE NETWORK

Weichai Power has a broad market in 100 countries and regions in five continents. Recently, it has had an international service network covering the global operations with 30 overseas institutions and 247 service agencies, which proves that Weichai Power has the initial ability to provide services to worldwide uses.



North America Operations Center (Chicago)

European R&D and Manufacturing Base (Marseille)

Singapore Operations Center



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