

## 4DF Engine Technical Data

Engine model	4110/125Z-09D	CA4DF2-12D
Type	In line 4-cylinder 4-stroke	
Air intake type	Turbocharged	Turbocharged&intercooling
Cooling mode	Water cooling	
Governor mode	Electronic	
Bore×Stroke (mm)	110×125	
Compression ratio	17:1	
Rated speed (rpm)	1500	
Displacement (L)	4.75	
Prime power(without fan) (kW)	65	84
Standby power(without fan) (kW)	72	92
Fuel consumption (g/kWh)	215	205
Oil consumption (L/h)	0.06	0.06
Steady state speed regulation (%)	≤3	
Oil capacity including filter (L)	16	
Emission compliant	Stage II	
The flywheel shell interface	SAE3	
	Flywheel for 11.5" flexible coupling	
Dry weight of base (kg)	470	480
Dry weight of Gen Pac (kg)	540	550
Overall dimension(base) (mm)	970×630×930	
Overall dimension(G·P) (mm)	1300×700×938	1300×860×938
Fan consumption (kW)	5	5
27℃ air consumption (m <sup>3</sup> /min)	5	6
Heat rejection of exhaust (kW)	53	64
Exhaust gas temperature after turbine (℃)	450	450
Exhaust gas flow (m <sup>3</sup> /min)	14	17
Heat rejection from engine (kW)	10	12
Heat rejection of coolant (kW)	40	46
<b>Base configuration</b>	<b>Standard configuration(add on the base)</b>	
★ Engine with fan	★ Intake and exhaust system: Air filter and connecting pipes; Connecting flang of exhaust pipe	
★ Alternator 45A 28V	★ Cooling system: Radiator;Connecting pipes;Fan guard;	
★ Starter motor 5kW 24V	Belt guard	



# ***POWER YOUR LIFE ACHIEVE YOUR DREAMS***

4110/125Z-09D 1500Rpm 72kW

CA4DF2-12D 1500Rpm 92kW



## **FEATURES**

- Compact construction
- Stable performance
- High power density
- Low noise, Low consumption, High dependability



**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS  
GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR  
Wuxi Yuan Fa Power Co.,Ltd.**

Adress: NO.58 Xing Yuan Road Wuxi Jiangsu, China

Postal Code: 214026

Direct: +86-510-85226614 Fax: +86-510-85228405

## 4DW Engine Technical Data

Engine model	4DW81-23D	4DW91-29D	4DW92-35D	4DW93-42D
Type	In line 4-cylinder 4-stroke			
Air intake type	Natural	Natural	Turbocharged	Turbo&intercool
Cooling mode	Water cooling			
Governor mode	Mechanical or electronic			
Bore×Stroke (mm)	85×100	90×100		
Compression ratio	17 : 1			
Rated speed (rpm)	1500			
Displacement (L)	2.27	2.54		
Prime power(without fan) (kW)	17	21	26	31
Standby power(without fan) (kW)	19	23	29	34
Fuel consumption (g/kWh)	240	240	230	216
Oil consumption (L/h)	0.05	0.05	0.04	0.04
Steady state speed regulation (%)	≤5	≤5	≤5	≤5
Oil capacity including filter (L)	7.8	8	8	8
Emission compliant	Stage II			
The flywheel shell interface	SAE4			
	Flywheel for 7.5" & 10" flexible coupling			
Dry weight of base (kg)	220	220	240	240
Dry weight of Gen Pac (kg)	240	240	260	280
Overall dimension(base) (mm)	750×555×680	750×555×680	750×600×735	
Overall dimension(G·P) (mm)	920×610×760		1120×810×760	
Fan consumption (kW)	1.2	1.6	1.8	2
27°C air consumption (m <sup>3</sup> /min)	1.4	1.7	2.1	2.4
Heat rejection of exhaust (kW)	17.2	17.4	20.6	23.1
Exhaust gas temperature after turbine (°C)	550	450	450	450
Exhaust gas flow (m <sup>3</sup> /min)	4.2	4.6	5.9	6.7
Heat rejection from engine (kW)	1.1	1.3	1.6	1.9
Heat rejection of coolant (kW)	11	13.7	16.9	17.1
<b>Base configuration</b>	<b>Standard configuration(add on the base)</b>			
★ Engine with fan	★ Intake and exhaust system : Air filter and connecting pipes;			
★ Alternator 500W 14V	Connecting flang of exhaust pipe			
★ Starter motor 3.5kW 12V	★ Cooling system: Radiator with connecting pipes;Fan guard;			
	Belt guard			



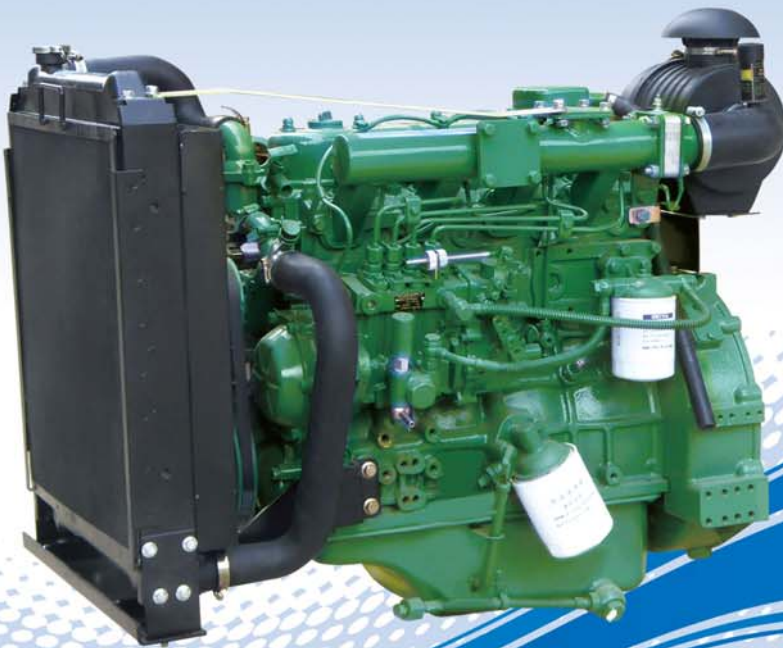
# ***POWER YOUR LIFE ACHIEVE YOUR DREAMS***

4DW81-23D 1500Rpm 19kW

4DW91-29D 1500Rpm 23kW

4DW92-35D 1500Rpm 29kW

4DW93-42D 1500Rpm 34kW



## **FEATURES**

- Compact construction
- Stable performance
- High power density
- Low noise, Low consumption, High dependability



**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS  
GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR  
Wuxi Yuan Fa Power Co.,Ltd.**

Adress: NO.58 Xing Yuan Road Wuxi Jiangsu, China

Postal Code: 214026

Direct: +86-510-85226614 Fax: +86-510-85228405

## 4DX Engine Technical Data

Engine model	4DX21-45D	4DX22-50D	4DX23-65D
Type	In line 4-cylinder 4-stroke		
Air intake type	Natural	Turbocharged	Turbo&intercooling
Cooling mode	Water cooling		
Governor mode	Mechanical or electronic		
Bore×Stroke (mm)	102×118		
Compression ratio	17 : 1		
Rated speed (rpm)	1500		
Displacement (L)	3.86		
Prime power(without fan) (kW)	33	37	48
Standby power(without fan) (kW)	36	41	53
Fuel consumption (g/kWh)	230	220	215
Oil consumption (L/h)	0.06	0.05	0.05
Steady state speed regulation (%)	≤5	≤5	≤5
Oil capacity including filter (L)	12.5	13	13
Emission compliant	Stage II		
The flywheel shell interface	SAE3		
	Flywheel for 11.5" flexible coupling		
Dry weight of base (kg)	350	380	380
Dry weight of Gen Pac (kg)	375	405	410
Overall dimension(base) (mm)	810×680×800	810×700×850	
Overall dimension(G-P) (mm)	1155×680×835		1480×705×900
Fan consumption (kW)	2	2.5	3
27°C air consumption (m <sup>3</sup> /min)	2.6	3.2	3.9
Heat rejection of exhaust (kW)	34.5	36.4	43.5
Exhaust gas temperature after turbine (°C)	580	480	480
Exhaust gas flow (m <sup>3</sup> /min)	8.3	8.4	10.4
Heat rejection from engine (kW)	2	2.6	3.3
Heat rejection of coolant (kW)	21.5	24.1	29
<b>Base configuration</b>	<b>Standard configuration(add on the base)</b>		
<ul style="list-style-type: none"> <li>★ Engine with fan</li> <li>★ Alternator 35A 28V</li> <li>★ Starter motor 4.5kW 24V</li> </ul>	<ul style="list-style-type: none"> <li>★ Intake and exhaust system: Air filter and connecting pipes; Connecting flang of exhaust pipe</li> <li>★ Cooling system: Radiator with connecting pipes;Fan guard; Belt guard</li> </ul>		



# ***POWER YOUR LIFE ACHIEVE YOUR DREAMS***

4DX21-45D 1500Rpm 36kW

4DX22-50D 1500Rpm 41kW

4DX23-65D 1500Rpm 53kW



## **FEATURES**

- Compact construction
- Stable performance
- High power density
- Low noise, Low consumption, High dependability



**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS  
GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR  
Wuxi Yuan Fa Power Co.,Ltd.**

Adress: NO.58 Xing Yuan Road Wuxi Jiangsu, China

Postal Code: 214026

Direct: +86-510-85226614 Fax: +86-510-85228405

## 6DF Engine Technical Data

Engine model	CA6DF2D-14D	CA6DF2-17D	CA6DF2-19D
Type	In line 6-cylinder 4-stroke		
Air intake type	Turbocharged		Turbocharged&intercooling
Cooling mode	Water cooling		
Governor mode	Electronic		
Bore×Stroke (mm)	110×115	110×125	
Compression ratio	17:1		
Rated speed (rpm)	1500		
Displacement (L)	6.55	7.13	
Prime power(without fan) (kW)	96	125	140
Standby power(without fan) (kW)	105	138	154
Fuel consumption (g/kWh)	202	202	200
Oil consumption (L/h)	0.08	0.08	0.06
Steady state speed regulation (%)	≤3		
Oil capacity including filter (L)	20		23
Emission compliant	Stage II		
The flywheel shell interface	SAE3	SAE2	
	Flywheel for 11.5" flexible coupling		
Dry weight of base (kg)	650	680	
Dry weight of Gen Pac (kg)	850	880	
Overall dimension(base) (mm)	1200×680×1030	1320×680×1100	
Overall dimension(G·P) (mm)	1655×805×1310		
Fan consumption (kW)	8		
27℃ air consumption (m <sup>3</sup> /min)	7	9	12
Heat rejection of exhaust (kW)	77	102	120
Exhaust gas temperature after turbine (℃)	460	470	470
Exhaust gas flow (m <sup>3</sup> /min)	19	25	30
Heat rejection from engine (kW)	14	18	21
Heat rejection of coolant (kW)	60	77	81
<b>Base configuration</b>	<b>Standard configuration(add on the base)</b>		
★ Engine with fan	★ Intake and exhaust system: Air filter and connecting pipes; Connecting flang of exhaust pipe		
★ Alternator 45/55A 28V	★ Cooling system: Radiator;Connecting pipes;Fan guard;		
★ Starter motor 6.2/6kW 24V	Belt guard		

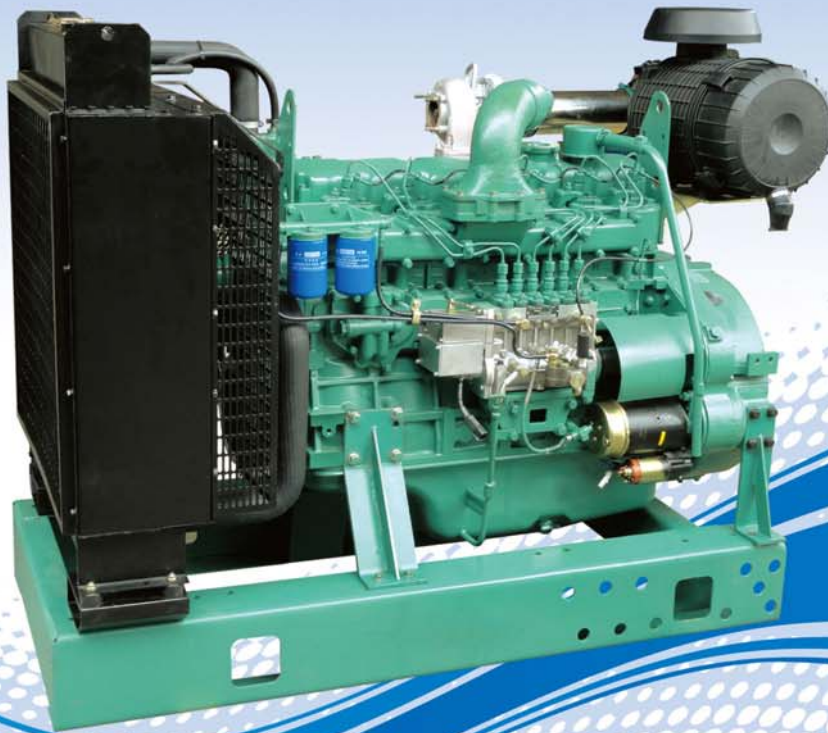


# ***POWER YOUR LIFE ACHIEVE YOUR DREAMS***

CA6DF2D-14D 1500Rpm 105kW

CA6DF2-17D 1500Rpm 138kW

CA6DF2-19D 1500Rpm 154kW



## **FEATURES**

- Compact construction
- Stable performance
- High power density
- Low noise, Low consumption, High dependability



**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS  
GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR  
Wuxi Yuan Fa Power Co.,Ltd.**

Adress: NO.58 Xing Yuan Road Wuxi Jiangsu, China

Postal Code: 214026

Direct: +86-510-85226614 Fax: +86-510-85228405

## 6DL Engine Technical Data

Engine model	CA6DL1-24D	CA6DL2-27D	CA6DL2-30D
Type	In line 6-cylinder 4-stroke		
Air intake type	Turbocharged&intercooling		
Cooling mode	Water cooling		
Governor mode	Electronic		
Bore×Stroke (mm)	110×135	112×145	
Compression ratio	17.5 : 1		
Rated speed (rpm)	1500		
Displacement (L)	7.70	8.57	
Prime power(without fan) (kW)	176	205	227
Standby power(without fan) (kW)	194	226	251
Fuel consumption (g/kWh)	196	195	195
Oil consumption (L/h)	0.06	0.06	0.06
Steady state speed regulation (%)	≤3		
Oil capacity including filter (L)	28	30	30
Emission compliant	Stage II		
The flywheel shell interface	SAE2		
	Flywheel for 11.5" flexible coupling		
Dry weight of base (kg)	780	800	800
Dry weight of Gen Pac (kg)	1110	1131	1131
Overall dimension(base) (mm)	1345×750×1150		
Overall dimension(G-P) (mm)	1698×948×1490		
Fan consumption (kW)	8	9	9
27℃ air consumption (m <sup>3</sup> /min)	12	14	15
Heat rejection of exhaust (kW)	126	140	160
Exhaust gas temperature after turbine (℃)	460	460	470
Exhaust gas flow (m <sup>3</sup> /min)	34	40	45
Heat rejection from engine (kW)	10.8	12	13.2
Heat rejection of coolant (kW)	86	96	106
<b>Base configuration</b>	<b>Standard configuration</b>		
<ul style="list-style-type: none"> <li>★ Engine with fan</li> <li>★ Alternator 75A 28V</li> <li>★ Starter motor 6kW 24V</li> </ul>	<ul style="list-style-type: none"> <li>★ Intake and exhaust system: Air filter and connecting pipes; Connecting flang of exhaust pipe</li> <li>★ Cooling system: Radiator ;Connecting pipes;Fan guard;Belt guard</li> <li>★ Extendable base frame;Manual oil drain pump</li> </ul>		



# ***POWER YOUR LIFE ACHIEVE YOUR DREAMS***

CA6DL1-24D 1500Rpm 194kW

CA6DL2-27D 1500Rpm 226kW

CA6DL2-30D 1500Rpm 251kW



## **FEATURES**

- Compact design, High construction rigidity and strength
- Stable performance, Ambient temperature compliant up to 40°C
- High power density
- Low noise, Low consumption, Less emission, High dependability
- Four valve, GAC electronic governor



**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS  
GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR  
Wuxi Yuan Fa Power Co.,Ltd.**

Address: NO.58 Xing Yuan Road Wuxi Jiangsu, China

Postal Code: 214026

Direct: +86-510-85226614 Fax: +86-510-85228405

## 6DM Engine Technical Data

Engine model	CA6DM2-39D	CA6DM2-41D	CA6DM2J-39D	CA6DM2J-41D
Type	In line 6-cylinder 4-stroke			
Air intake type	Turbocharged&intercooling			
Cooling mode	Water cooling			
Governor mode	ECU		Electronic	
Bore×Stroke (mm)	123×155			
Compression ratio	17.5 : 1			
Rated speed (rpm)	1500			
Displacement (L)	11.04			
Prime power(without fan) (kW)	287	300	287	300
Standby power(without fan) (kW)	316	330	316	330
Fuel consumption (g/kWh)	189		195	
Oil consumption (L/h)	0.06			
Steady state speed regulation (%)	≤1		≤3	
Oil capacity including filter (L)	38			
Emission compliant	EuroIII		Stage II	
The flywheel shell interface	SAE1			
	Flywheel for 14" flexible coupling			
Dry weight of base (kg)	1050			
Dry weight of Gen Pac (kg)	1435			
Overall dimension(base) (mm)	1365×773×1192			
Overall dimension(G-P) (mm)	2300×1120×1580			
Fan consumption (kW)	11			
27℃ air consumption (m <sup>3</sup> /min)	20	21	20	21
Heat rejection of exhaust (kW)	200	215	200	215
Exhaust gas temperature after turbine (℃)	460	470	460	470
Exhaust gas flow (m <sup>3</sup> /min)	56	60	56	60
Heat rejection from engine (kW)	16.8	18	16.8	18
Heat rejection of coolant (kW)	126	135	126	135
<b>Base configuration</b>	<b>Standard configuration(add on the base)</b>			
<ul style="list-style-type: none"> <li>★ Engine with fan</li> <li>★ Alternator 75A 28V</li> <li>★ Starter motor 7.5kW 24V</li> </ul>	<ul style="list-style-type: none"> <li>★ Intake and exhaust system: Air filter and connecting pipes; Connecting flang of exhaust pipe</li> <li>★ Cooling system: Radiator ;Connecting pipes;Fan guard;Belt guard</li> <li>★ Extendable base frame;Manual oil drain pump</li> </ul>			



# ***POWER YOUR LIFE ACHIEVE YOUR DREAMS***

CA6DM2-39D 1500Rpm 316kW

CA6DM2-41D 1500Rpm 330kW

CA6DM2J-39D 1500Rpm 316kW

CA6DM2J-41D 1500Rpm 330kW



## **FEATURES**

- Compact design, High construction rigidity and strength
- Stable performance, Ambient temperature compliant up to 40°C
- High power density
- Low noise, Low consumption, Less emission, High dependability
- Four valve, ECU common rail or GAC electronic governor



**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS  
GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR  
Wuxi Yuan Fa Power Co.,Ltd.**

Address: NO.58 Xing Yuan Road Wuxi Jiangsu, China

Postal Code: 214026

Direct: +86-510-85226614 Fax: +86-510-85228405

## 6DN Engine Technical Data

Engine model	CA6DN1J-45D	CA6DN1-45D
Type	In line 6-cylinder 4-stroke	
Air intake type	Turbocharged&intercooling	
Cooling mode	Water cooling	
Governor mode	Electronic	ECU
Bore×Stroke (mm)	131×155	
Compression ratio	18 : 1	
Rated speed (rpm)	1500	
Displacement (L)	12.53	
Prime power(without fan) (kW)	332	
Standby power(without fan) (kW)	365	
Fuel consumption (g/kWh)	195	191
Oil consumption (L/h)	0.06	
Steady state speed regulation (%)	≤3	≤1
Oil capacity including filter (L)	42	
Emission compliant	Stage II	EuroIII
The flywheel shell interface	SAE1	
	Flywheel for 14" flexible coupling	
Dry weight of base (kg)	1230	
Dry weight of Gen Pac (kg)	1495	
Overall dimension(G-P) (mm)	2300×1120×1580	
Fan consumption (kW)	11	
27°C air consumption (m <sup>3</sup> /min)	22.7	
Heat rejection of exhaust (kW)	240	
Exhaust gas temperature after turbine (°C)	470	
Exhaust gas flow (m <sup>3</sup> /min)	64.5	
Heat rejection from engine (kW)	20	
Heat rejection of coolant (kW)	149	
<b>Base configuration</b>	<b>Standard configuration(add on the base)</b>	
<ul style="list-style-type: none"> <li>★ Engine with fan</li> <li>★ Alternator 75A 28V</li> <li>★ Starter motor 7.5kW 24V</li> </ul>	<ul style="list-style-type: none"> <li>★ Intake and exhaust system: Air filter and connecting pipes; Connecting flang of exhaust pipe</li> <li>★ Cooling system: Radiator ;Connecting pipes;Fan guard;Belt guard</li> <li>★ Extendable base frame;Manual oil drain pump</li> </ul>	



# ***POWER YOUR LIFE ACHIEVE YOUR DREAMS***

CA6DN1-45D 1500Rpm 365kW

CA6DN1J-45D 1500Rpm 365kW



## **FEATURES**

- Compact design, High construction rigidity and strength
- Stable performance, Ambient temperature compliant up to 40°C
- High power density
- Low noise, Low consumption, Less emission, High dependability
- Four valve, ECU common rail or GAC electronic governor



**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS  
GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR  
Wuxi Yuan Fa Power Co.,Ltd.**

Address: NO.58 Xing Yuan Road Wuxi Jiangsu, China  
Direct: +86-510-85226614 Fax: +86-510-85228405

Postal Code: 214026

## “一汽锡柴”发电机组用柴油机总汇

额定转速：1500转/分

机 型	备用功率 (kWm)	额定功率 (kW)	适配机组 (kWe)推荐	风扇功率 (kW)	工作型式	排量(L)	调速方式	排放达标
4DW81-23D	19	17	12	1.2	自然吸气	2.27	机械(或电子)调速	stage II
4DW91-29D	23	21	16	1.6	自然吸气	2.54	机械(或电子)调速	stage II
4DW92-35D	29	26	20	1.8	增压	2.54	机械(或电子)调速	stage II
4DW93-42D	34	31	24	2	增压-中冷	2.54	机械(或电子)调速	stage II
4DX21-45D	36	33	24	2.5	自然吸气	3.86	机械(或电子)调速	stage II
4DX22-50D	41	37	30	2.5	增压	3.86	机械(或电子)调速	stage II
4DX23-65D	53	48	38	3	增压-中冷	3.86	机械(或电子)调速	stage II
4110/125Z-09D	72	65	54	5	增压	4.75	电子调速	stage II
CA4DF2-12D	92	84	72	5	增压-中冷	4.75	电子调速	stage II
CA6DF2D-14D	105	96	80	8	增压	6.55	电子调速	stage II
CA6DF2-17D	138	125	100	8	增压	7.13	电子调速	stage II
CA6DF2-19D	154	140	120	8	增压-中冷	7.13	电子调速	stage II
CA6DL1-24D	194	176	150	8	增压-中冷	7.7	电子调速	stage II
CA6DL2-27D	226	205	180	9	增压-中冷	8.57	电子调速	stage II
CA6DL2-30D	251	227	200	9	增压-中冷	8.57	电子调速	stage II
CA6DM2J-39D	316	287	250	11	增压-中冷	11.04	电子调速	stage II
CA6DM2J-41D	330	300	270	11	增压-中冷	11.04	电子调速	stage II
CA6DM2-39D	316	287	250	11	增压-中冷	11.04	ECU电喷	国III
CA6DM2-41D	330	300	270	11	增压-中冷	11.04	ECU电喷	国III
CA6DN1J-45D	365	332	300	11	增压-中冷	12.53	电子调速	stage II
CA6DN1-45D	365	332	300	11	增压-中冷	12.53	ECU电喷	国III

一汽解放汽车有限公司无锡柴油机厂机组动力总经销  
无锡源发动力机械有限公司

地址：江苏省无锡市兴源中路58号 邮政编码：214026  
直线：0510-85226614 传真：0510-85228405

## Collection of FAWDE gen-set diesel engine

Rated speed: 1500Rpm

Engine type	Standby power (kWm)	Prime power (kW)	Gen-set power (kWe)	Fan consumption (kW)	Intake type	Displacement (L)	Governor mode	Emission
4DW81-23D	19	17	12	1.2	natural	2.27	Mechanical or electronic	stage II
4DW91-29D	23	21	16	1.6	natural	2.54	Mechanical or electronic	stage II
4DW92-35D	29	26	20	1.8	turbocharged	2.54	Mechanical or electronic	stage II
4DW93-42D	34	31	24	2	turbocharged&intercooling	2.54	Mechanical or electronic	stage II
4DX21-45D	36	33	24	2.5	natural	3.86	Mechanical or electronic	stage II
4DX22-50D	41	37	30	2.5	turbocharged	3.86	Mechanical or electronic	stage II
4DX23-65D	53	48	38	3	turbocharged&intercooling	3.86	Mechanical or electronic	stage II
4110/125Z-09D	72	65	54	5	turbocharged	4.75	Electronic	stage II
CA4DF2-12D	92	84	72	5	turbocharged&intercooling	4.75	Electronic	stage II
CA6DF2D-14D	105	96	80	8	turbocharged	6.55	Electronic	stage II
CA6DF2-17D	138	125	100	8	turbocharged	7.13	Electronic	stage II
CA6DF2-19D	154	140	120	8	turbocharged&intercooling	7.13	Electronic	stage II
CA6DL1-24D	194	176	150	8	turbocharged&intercooling	7.7	Electronic	stage II
CA6DL2-27D	226	205	180	9	turbocharged&intercooling	8.57	Electronic	stage II
CA6DL2-30D	251	227	200	9	turbocharged&intercooling	8.57	Electronic	stage II
CA6DM2J-39D	316	287	250	11	turbocharged&intercooling	11.04	Electronic	stage II
CA6DM2J-41D	330	300	270	11	turbocharged&intercooling	11.04	Electronic	stage II
CA6DM2-39D	316	287	250	11	turbocharged&intercooling	11.04	ECU	EuroIII
CA6DM2-41D	330	300	270	11	turbocharged&intercooling	11.04	ECU	EuroIII
CA6DN1J-45D	365	332	300	11	turbocharged&intercooling	12.53	Electronic	stage II
CA6DN1-45D	365	332	300	11	turbocharged&intercooling	12.53	ECU	EuroIII

**FAW JIEFANG AUTOMOTIVE Co.,LTD.WUXI DIESEL ENGINE WORKS**  
**GEN-SET ENGINE'S EXCLUSIVE DISTRIBUTOR**  
**Wuxi Yuan Fa Power Co.,Ltd.**

Address: NO.58 Xing Yuan Road Wuxi Jiangsu, China

Postal Code: 214026

Direct: +86-510-85226614 Fax: +86-510-85228405