

# 6M21

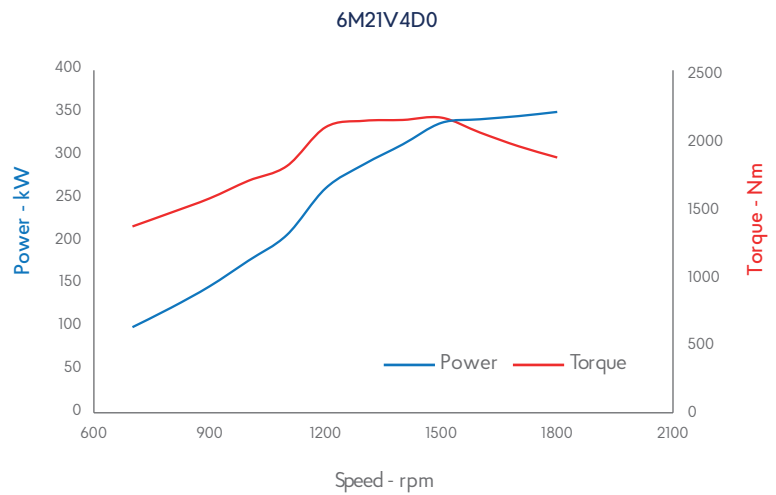
Variable Speed Engine

Engine Model	Rated Power	Peak Torque	Displacement	Cylinders	Voltage	Aspiration	Coupling		Throttle
							FWH	FW	
6M21V4D0	350 kW@ 1800 rpm	2154 Nm@ 1500 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	Mechanical
6M21V2D0	370kW@ 2200rpm	2002 Nm@ 1300 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	Mechanical
6M21V5D0	390 kW@ 2100 rpm	2303 Nm@ 1500 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	ECU
6M21V6D0	406 kW@ 2200 rpm	2203 Nm@ 1400 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	ECU

NA=Natural Aspirated, T=Turbocharged, T/A-A=Turbocharged & Air to Air aftercooled, T/A-W=Turbocharged & Air to Water aftercooled

## 6M21V4D0 - Torque Curve

rpm	Nm	kW
1800	1863	351
1700	1945	346
1600	2045	343
1500	2154	338
1400	2137	313
1300	2131	290
1200	2084	262
1100	1801	208
1000	1693	177
900	1565	148
800	1461	122
700	1360	100



## 6M21V2D0 - Torque Curve

rpm	Nm	kW
2200	1604	370
2100	1687	371
2000	1768	370
1900	1862	370
1800	1964	370
1700	1980	352
1600	1978	352
1500	2002	335
1400	2002	314
1300	2002	293
1200	1950	266
1100	1847	213
1000	1795	188
900	1668	157



Engine Model	Rated Power	Peak Torque	Displacement	Cylinders	Voltage	Aspiration	Coupling		Throttle
							FWH	FW	
6M21V4D0	350 kW@ 1800 rpm	2154 Nm@ 1500 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	Mechanical
6M21V2D0	370kW@ 2200rpm	2002 Nm@ 1300 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	Mechanical
<b>6M21V5D0</b>	390 kW@ 2100 rpm	2303 Nm@ 1500 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	ECU
<b>6M21V6D0</b>	406 kW@ 2200 rpm	2203 Nm@ 1400 rpm	12.5L	L6	24V	T/A-A	SAE1	14"	ECU

NA=Natural Aspirated, T=Turbocharged, T/A-A=Turbocharged & Air to Air aftercooled, T/A-W=Turbocharged & Air to Water aftercooled

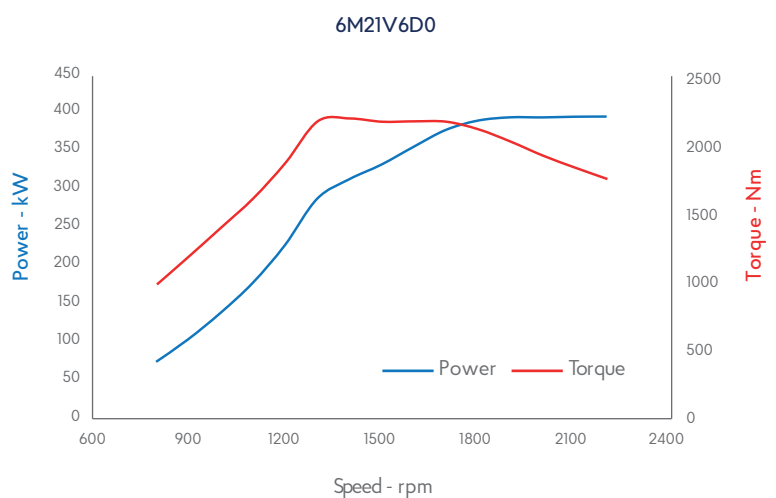
## 6M21V5D0 - Torque Curve

rpm	Nm	kW
2100	1774	390
2000	1836	385
1900	1925	383
1800	2025	382
1700	2130	379
1600	2252	377
1500	2303	362
1400	2280	334
1300	2265	308
1200	2250	283
1100	2150	248
1000	2000	209
900	1802	170
800	1600	134
700	1300	95
600	1002	63



## 6M21V6D0 - Torque Curve

rpm	Nm	kW
2200	1760	406
2100	1843	405
2000	1931	404
1900	2033	405
1800	2123	400
1700	2179	388
1600	2182	366
1500	2179	342
1400	2203	323
1300	2183	297
1200	1880	236
1100	1620	187
1000	1406	147
900	1195	113
800	989	83





## Customer benefits

**Optimized for Variable Speed:** Delivers efficient performance across a wide range of operating speeds for both stationary and mobile applications.

**Effortless Maintenance:** Minimizes downtime with easy access to service.

**Fuel Versatility:** Engineered to handle the realities of varying fuel quality.

**Unmatched Peace of Mind:** Backed by a best-in-class warranty of 2 years / 2500 working hours for peace of mind.

## Dimensions and dry weight

6M21V2 & V4: 1359 mm			<b>6M21V2D0</b>	 1235 kg
6M21V5D0: 1083 mm			<b>6M21V4D0</b>	
6M21V6D0: 1373 mm			<b>6M21V5D0</b>	 1050 kg
6M21V2 & V4D0	2163 mm	1136 mm	<b>6M21V6D0</b>	 1160 kg
6M21V5D0	1544 mm	918 mm		
6M21V6D0	2027 mm	1105 mm		

## Standard equipment

### Engine and block

Cast iron block  
One-piece forged crankshaft  
Separate cast iron cylinder heads and wet liners  
Aluminum alloy pistons with oil cooling gallery

### Cooling system

Radiator and hoses supplied directly mounted on the engine  
Thermostatically-controlled system with belt driven coolant pump & pusher fan

### Lubrication system

Flat bottom large capacity oil pan  
Spin-on full-flow lube oil filter

### Fuel system

Optimum performance and efficient use of fuel for continuous duty  
Duplex fine filter for better efficiency

### Air intake and exhaust system

Special rear mounted air filter with restriction indicator  
Exhaust manifold shield for heat isolating