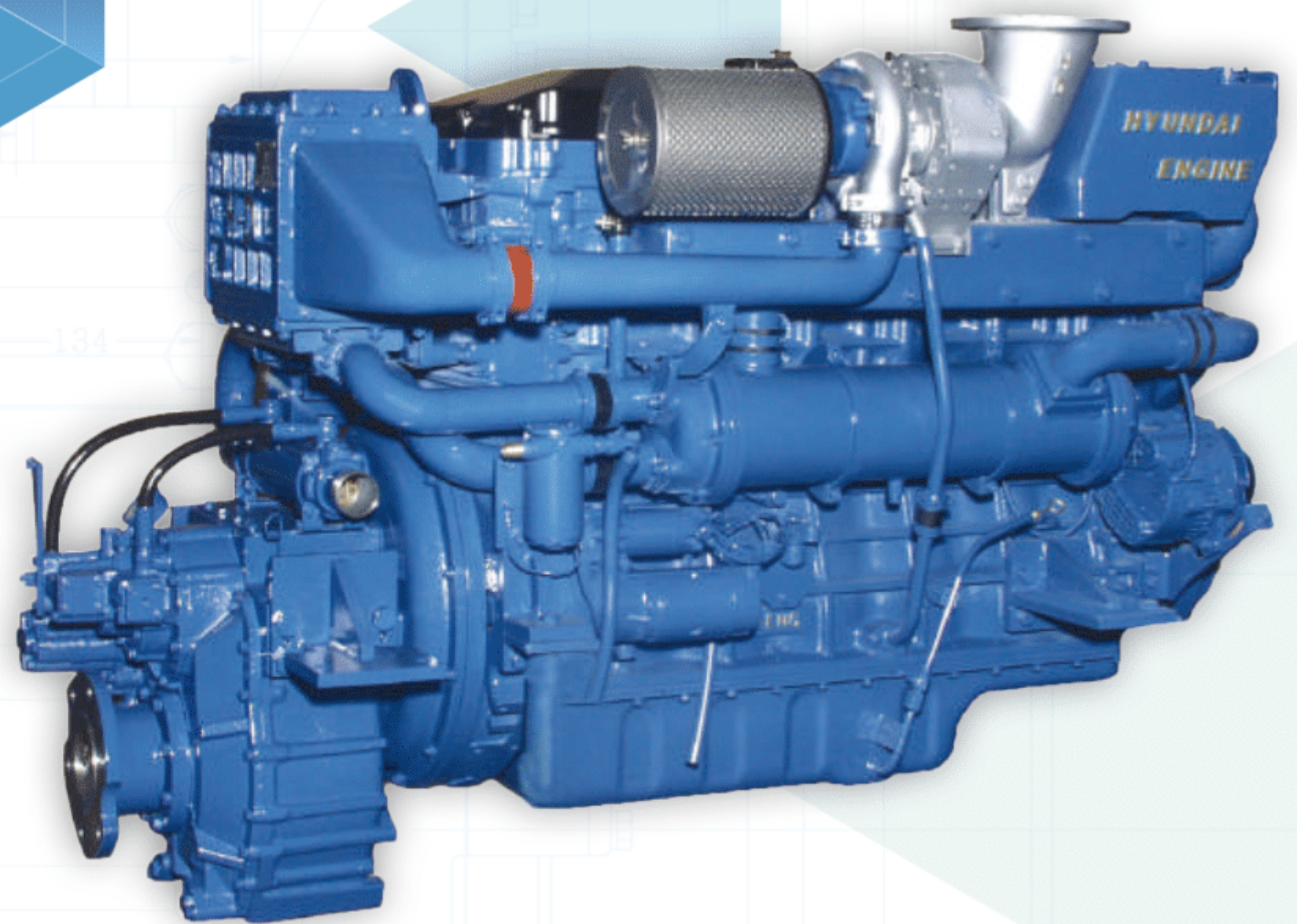


HYUNDAI DIESEL ENGINE





Contents ▶

02 | COMPANY INTRODUCTION

04 | COMPANY Certification status

HYUNDAI MACHINERY PRODUCTS

05 | H6D8&9 Series

06 | H6D2 Series

07 | H4D Series

08 | HYUNDAI LAND DIESEL GENERATOR

09 | HYUNDAI MARINE DIESEL GENERATOR

10 | HYUNDAI GENERATOR DIESEL ENGINE

11 | HYUNDAI INDUSTRIAL DIESEL ENGINE

COMPANY INTRODUCTION

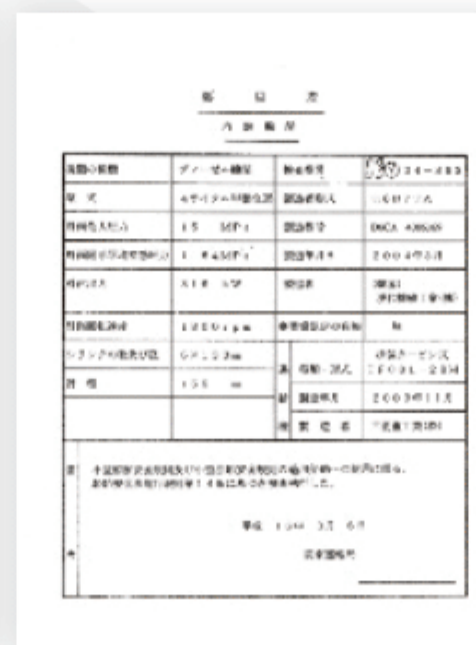
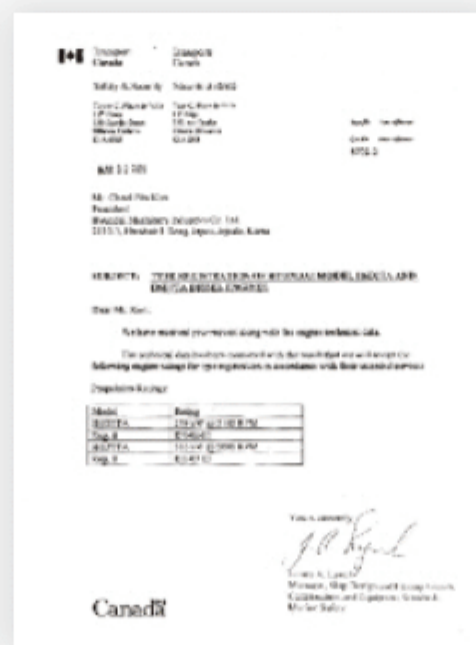
was established for a Manufacturer of marine diesel engines to provide the best reliability, power & performance with care for the environment & welcome economy in order to cope with the ever-changing Market demand for high quality. We, as a supplier of diesel engines, are now well positioned to meet the requirements of all users. For all your needs for marine diesel engines and gen-sets for land & marine application, please look to HYUNDAI machinery and discover the advantages of diesel engines offer.

We are trying to be a world-class manufacturer for marine & industrial diesel engines. So far, we have been exporting our engines to whole over the world.

COMPANY

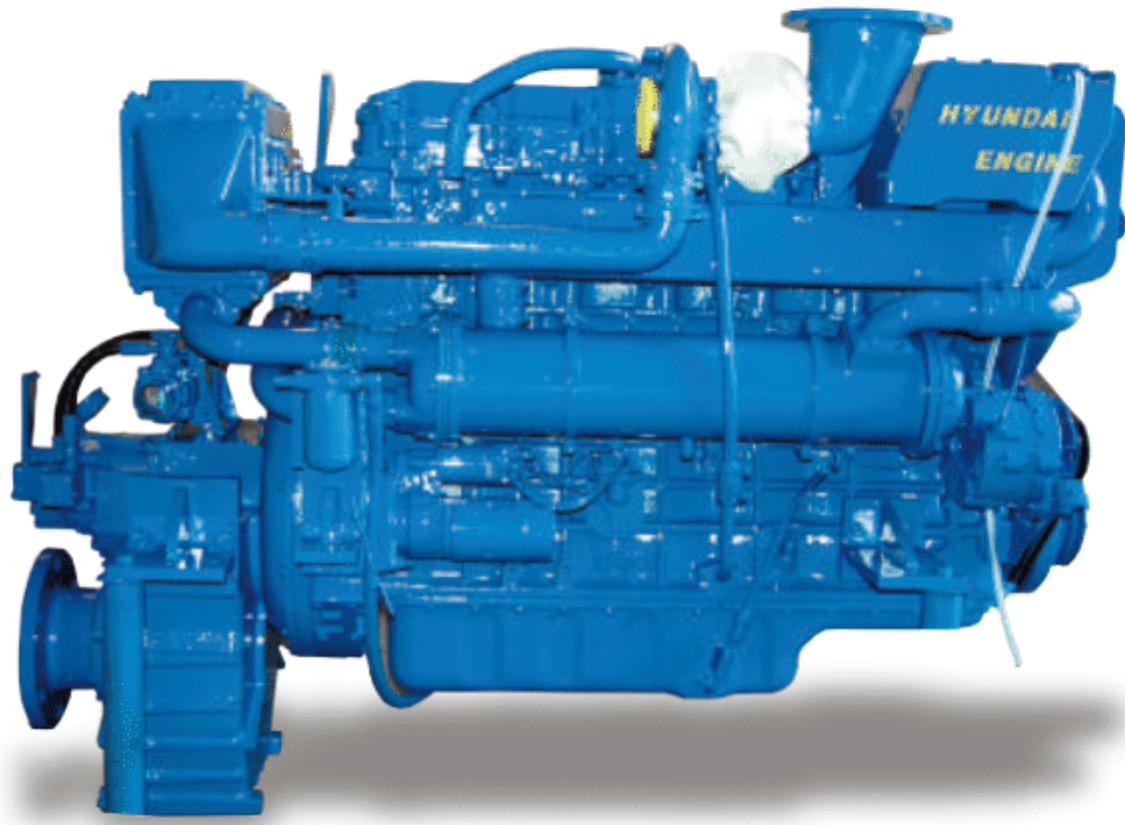
Certification status

- Acquired ISO 9001 quality certification system (From KMAQA)
- Acquired GQ mark (From Korean Government)
- Acquired ISO 14001 certification for environmental issues
- Registered supplier to the government projects
- Approved by Korea Institute of Ship Safety & Technology
- Designated as a promising company from Korea Credit Guarantee Fund
- Awarded official commendation from the Ministry of Commerce, Industry and Energy
- Awarded official commendation from the Ministry of Maritime Affairs & Fisheries
- Designated as a promising company from The Export-Import Bank of Korea
- Selected as a successful business man from Government
- Selected as a enterprise technical reform development business
- Awarded an official commendation in Korea Technical innovation review forum
- Awarded a citation for 5 million dollars export record by president
- Passed for the Endurance Test of JG (From Japan Government) and Acquired Drawing approval
- Awarded official commendation from the Ministry of Commerce, Industry and Energy (Fifth in-otech show SEOUL, 2004)
- Received a plague of appreciation from Governor of Jeju. (In the 3rd World Korean Business Convention)
- Awarded an official commendation from Jeju Citizen's Coalition for Economic Justice
- Awarded Jeju small and midium business prize (By administrator of Small Business Administration)
- Awarded official commendation from the Prime Minister
- Awarded small and medium business prize (In the field of export increasing)
- Awarded Inno-Biz Company from Government
- Designated Venture Company from Government
- Designated as KOTRA SEAL OF EXCELLENCE from Government



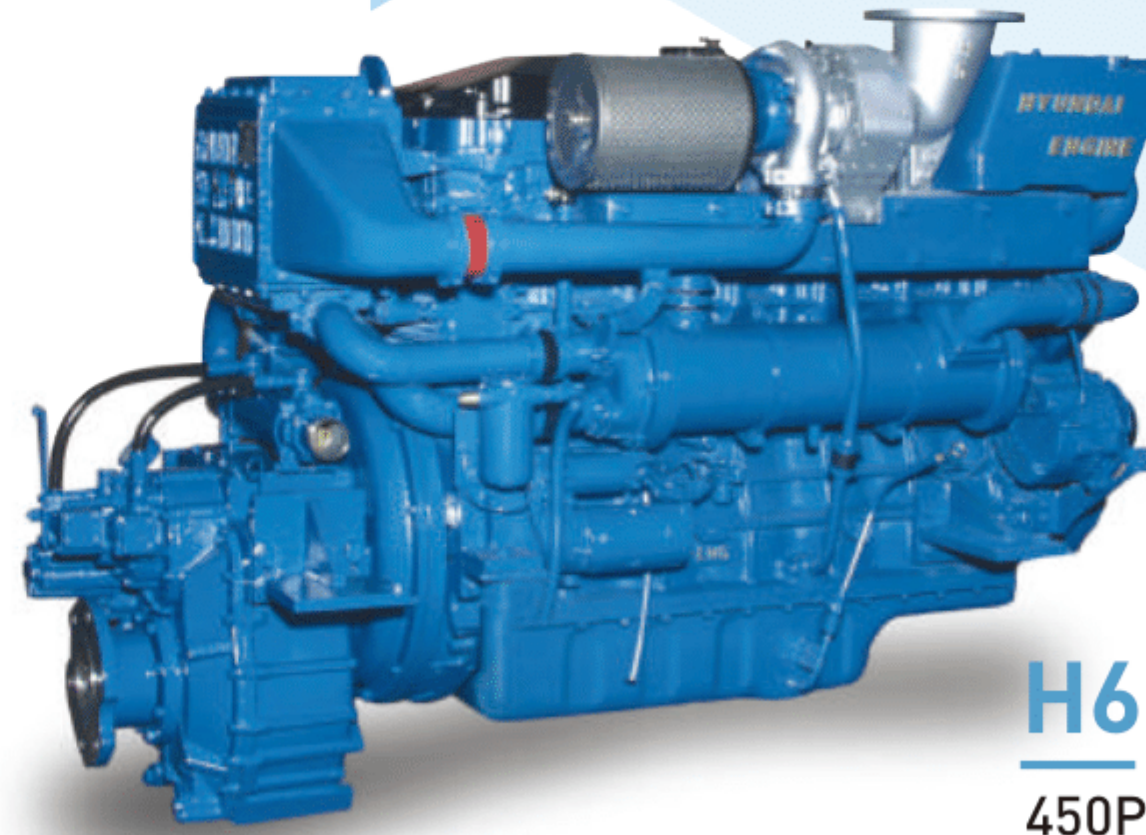
HYUNDAI MARINE DIESEL ENGINE

H6D8&9 Series



H6D9TA

500PS×2000RPM
550PS×2100RPM

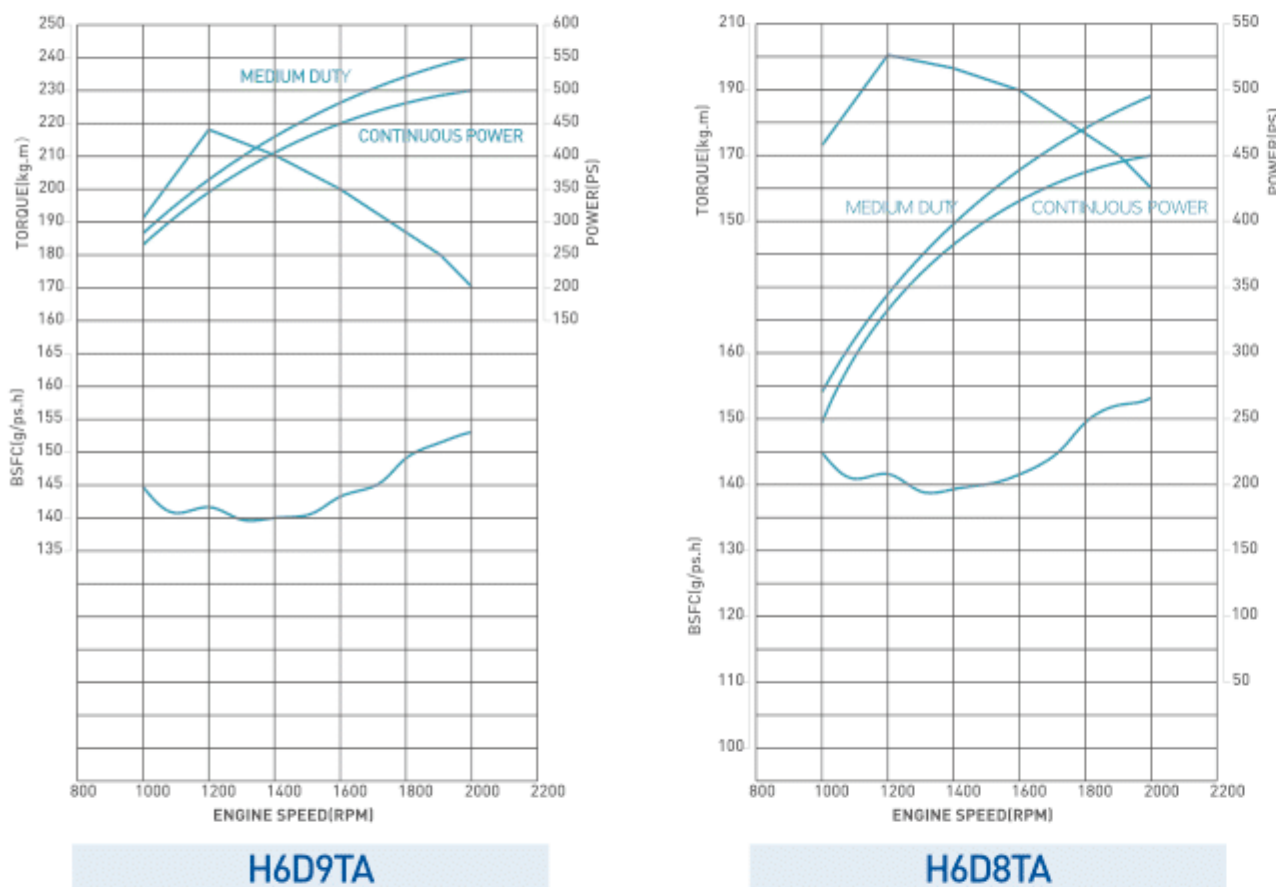


H6D8TA

450PS×2000RPM
490PS×2100RPM

- **High Economical**
EUI system 을 적용하여 완전연소 실현, 고출력·최저연비 실현
- **High Technology**
최첨단 신기술의 결정체
- **Pollution Free**
NOx 등 공해물질은 IMO 및 국내·외 환경규정을 만족시키는 친환경 무공해 엔진
- **Compact Design**
인젝션 펌프가 없는 심플한 구조의 엔진
- **High Performance**
전자제어 채택으로 최상의 상태에서 완전연소로 최강의 출력
- **Best Operation**
자기진단 시스템 채택으로 최고의 안전운전 실현

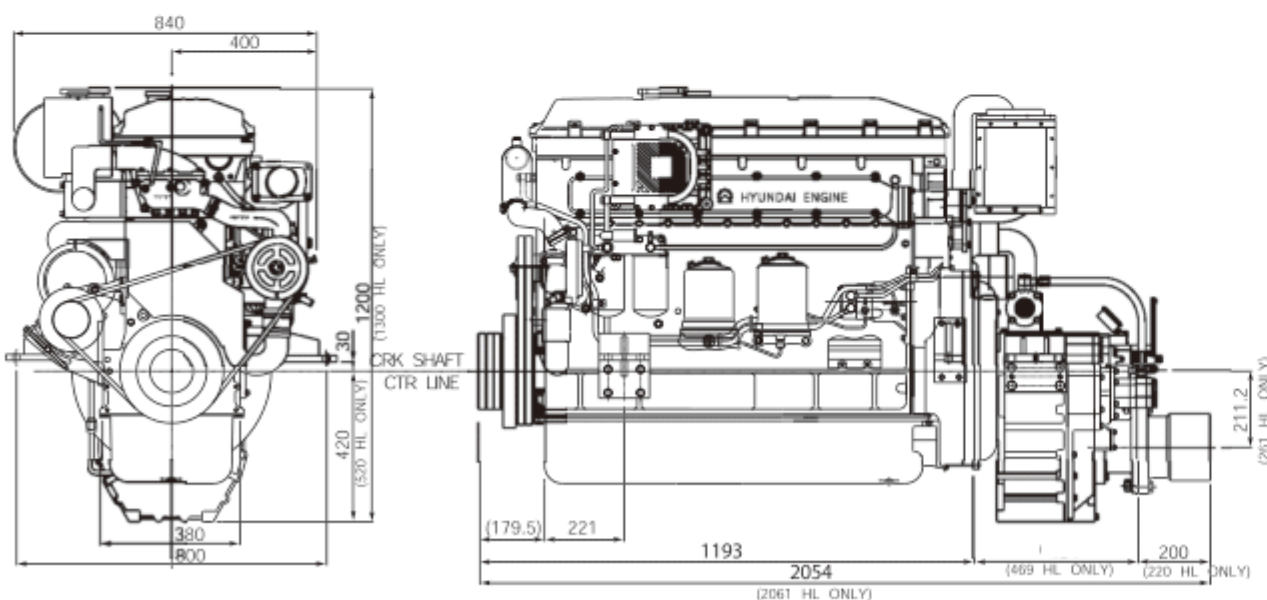
Performance Curve / Courbe Des Caracteristiques



Specification / 엔진사양

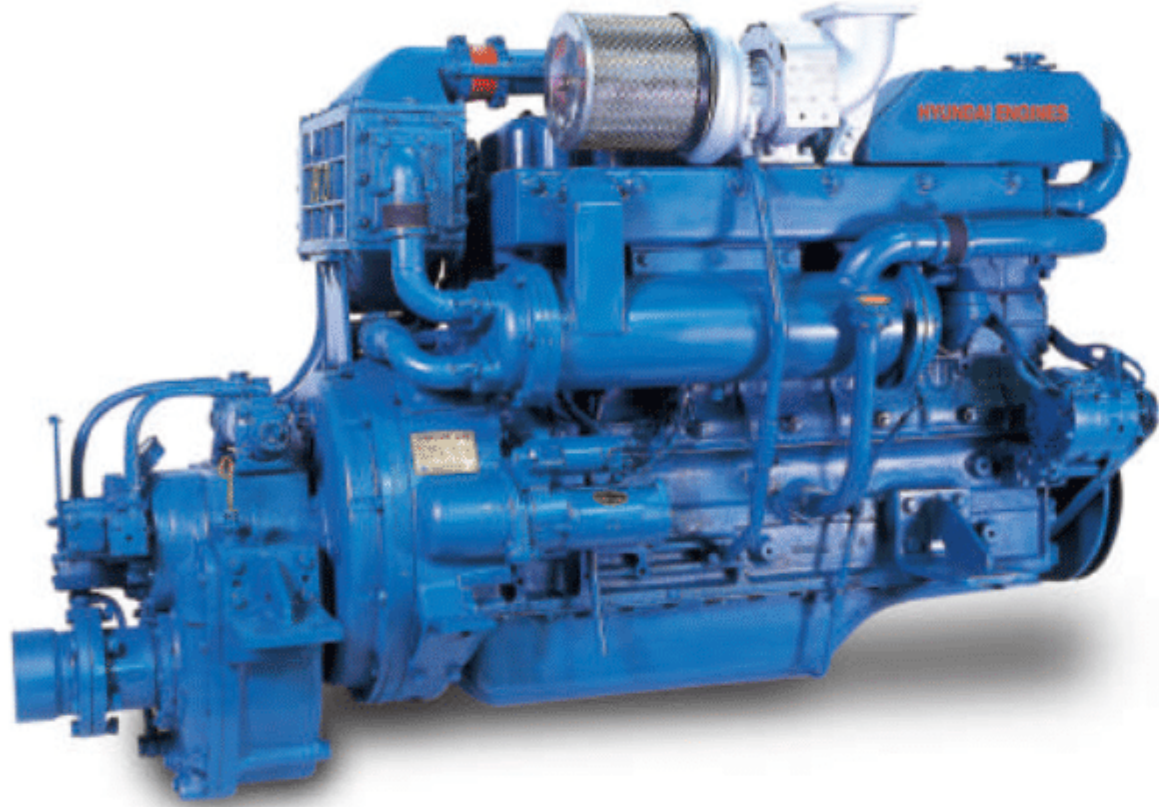
SPEC / 사양	MODEL / 기종	H6D8TA	H6D9TA
ENGINE TYPE / 엔진형식		4CYCLE, INLINE, FRESHWATER COOLED DIESEL ENGINE 4행정 직렬, 청수냉각 디젤엔진	
CONTINUOUS POWER (PS×RPM) 연속출력×회전수		450 x 2000	500 x 2000
MEDIUM DUTY (PS×RPM)		490 x 2100	550 x 2100
NUMBER OF CYLINDER / 실린더 수		6	
BORE×STROKE (mm) 실린더 내경×행정		130 × 155 mm	
TOTAL DISPLACEMENT (cc) / 배기량		12,344cc	
ASPIRATION / 흡기 방식		T/C with I/C	
FUEL INJECTION TYPE / 연료분사 방식		DELPHI EUI (ELECTRONIC UNIT INJECTION)	
COMPRESSION RATIO / 압축비		17.2 : 1	
FUEL OIL / 연료유		DIESEL LIGHT OIL / 경유	
LUBRICATING OIL / 윤활유		API CLASSIFICATION "CI-4", SAE 10W40	
COOLING SYSTEM / 냉각 방식		HEAT EXCHANGER TYPE FORCED CIRCULATING CENTRIFUGAL PUMP 원심펌프로 청수 강제순환 냉각	
LUBRICATING SYSTEM / 윤활 방식		FORCED FEED WITH OIL PUMP	
STARTING SYSTEM / 시동 방식		DC 24VOLT ELECTRIC MOTOR / 직류 24V 전기시동	
FUEL CONSUMPTION (g/ps.h) 연료소모율		150	152
ROTATING DIRECTION / 회전 방향		CLOCK WISE VIEWED FROM BOW / 선수에서 보아 시계 방향	
STANDARD REDUCTION GEAR RATIO 표준 감속비		1.83, 2.09, 2.51, 3.08, 3.43, 4.04, 4.48	
DRY WEIGHT WITH GEAR BOX (kg) 엔진 무게(감속기 포함)		1,565kg	

Dimensions / 엔진치수 (mm)



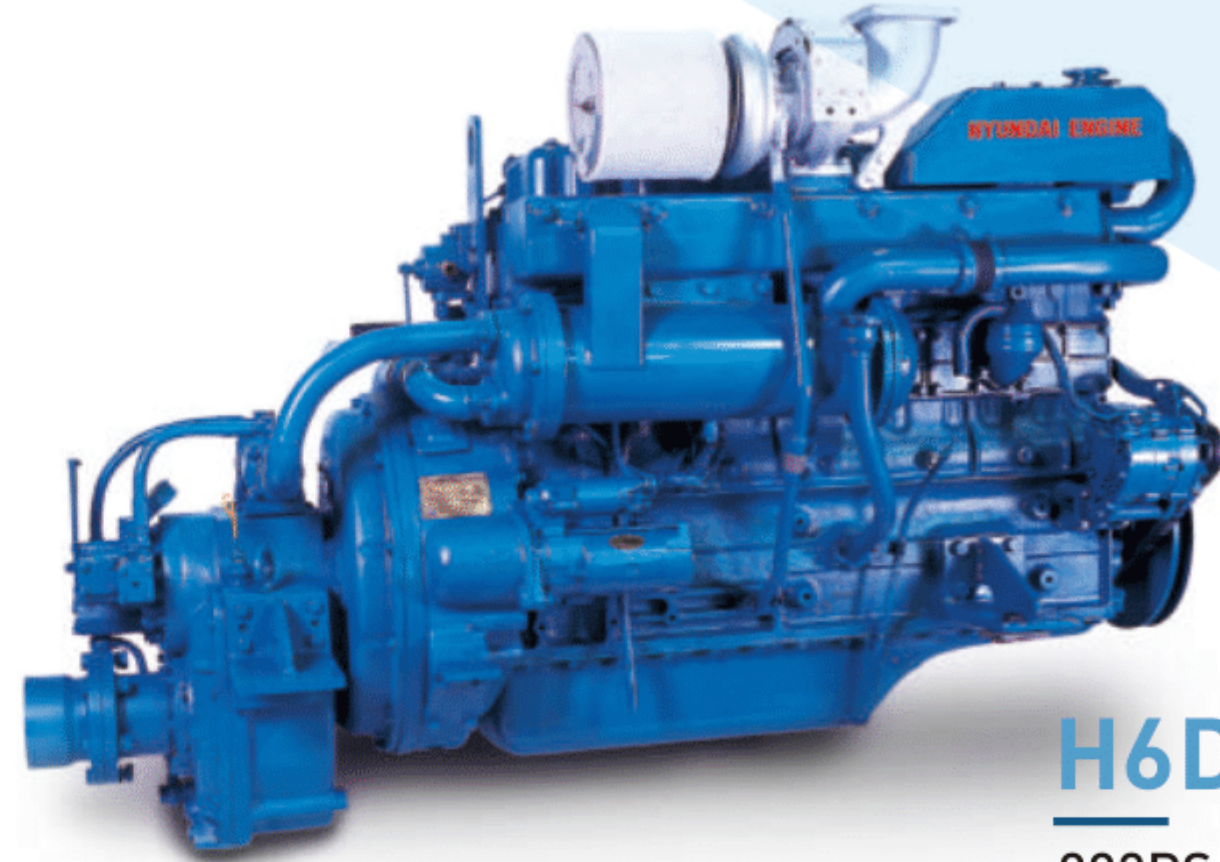
HYUNDAI MARINE DIESEL ENGINE

H6D2 Series



H6D2TA

325PS×2100RPM
360PS×2200RPM

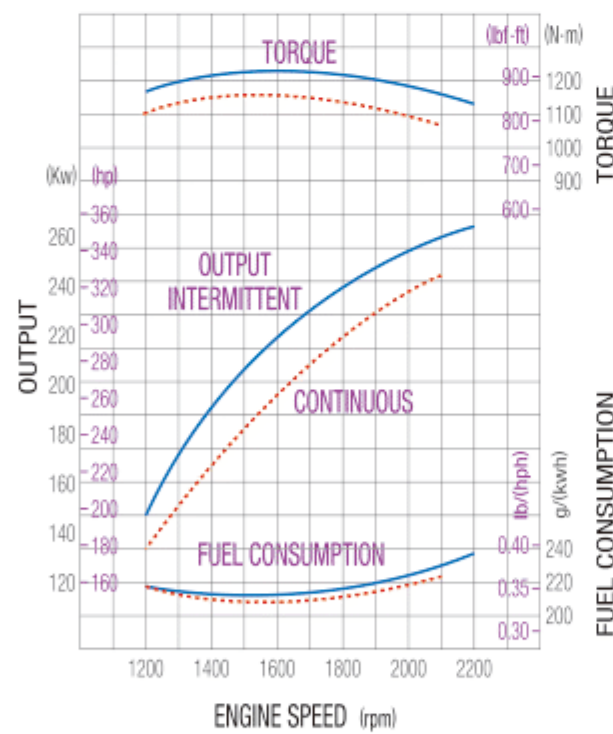
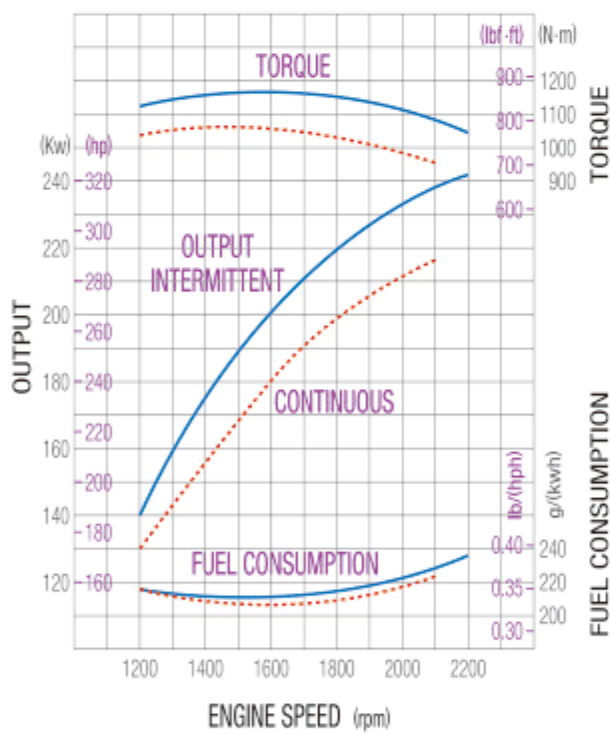


H6D2T2

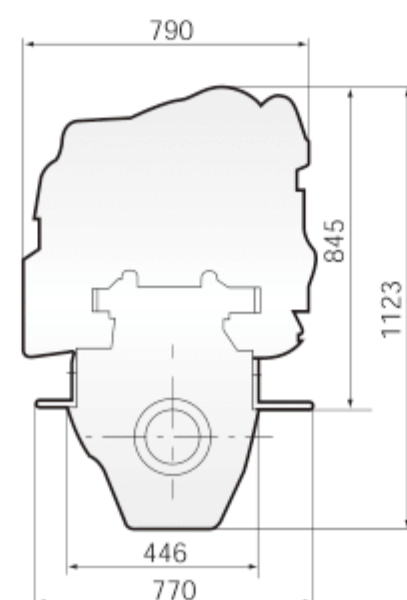
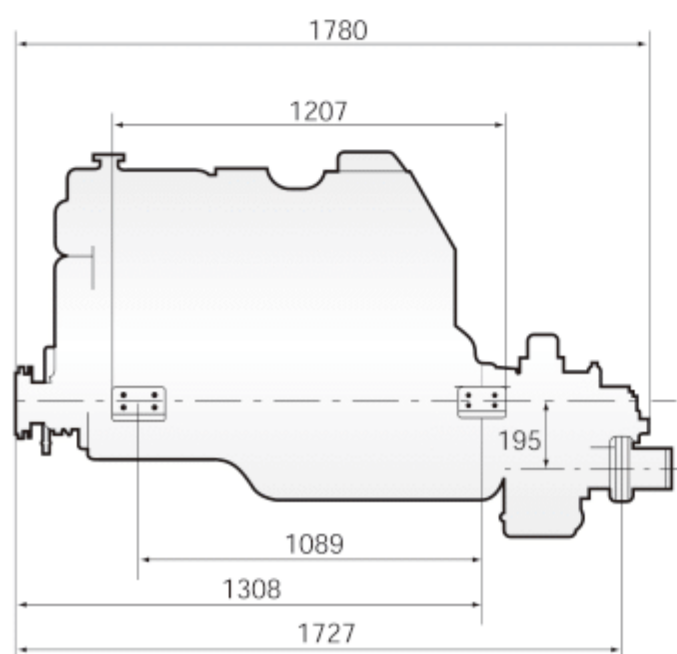
283PS×2000RPM
320PS×2100RPM

- **High Quality**
최고의 품질
- **High Performance**
최대, 최강의 출력
- **High Technology**
최고의 기술력
- **High Reliability**
최고의 봉사료 최상의 신뢰감
- **Low Fuel Consumption**
적은 연료 소비량
- **Easy and Economical Maintenance**
경제적이고 쉬운 정비

Performance Curve / Courbe Des Caracteristiques



Dimensions / 엔진치수 (mm)

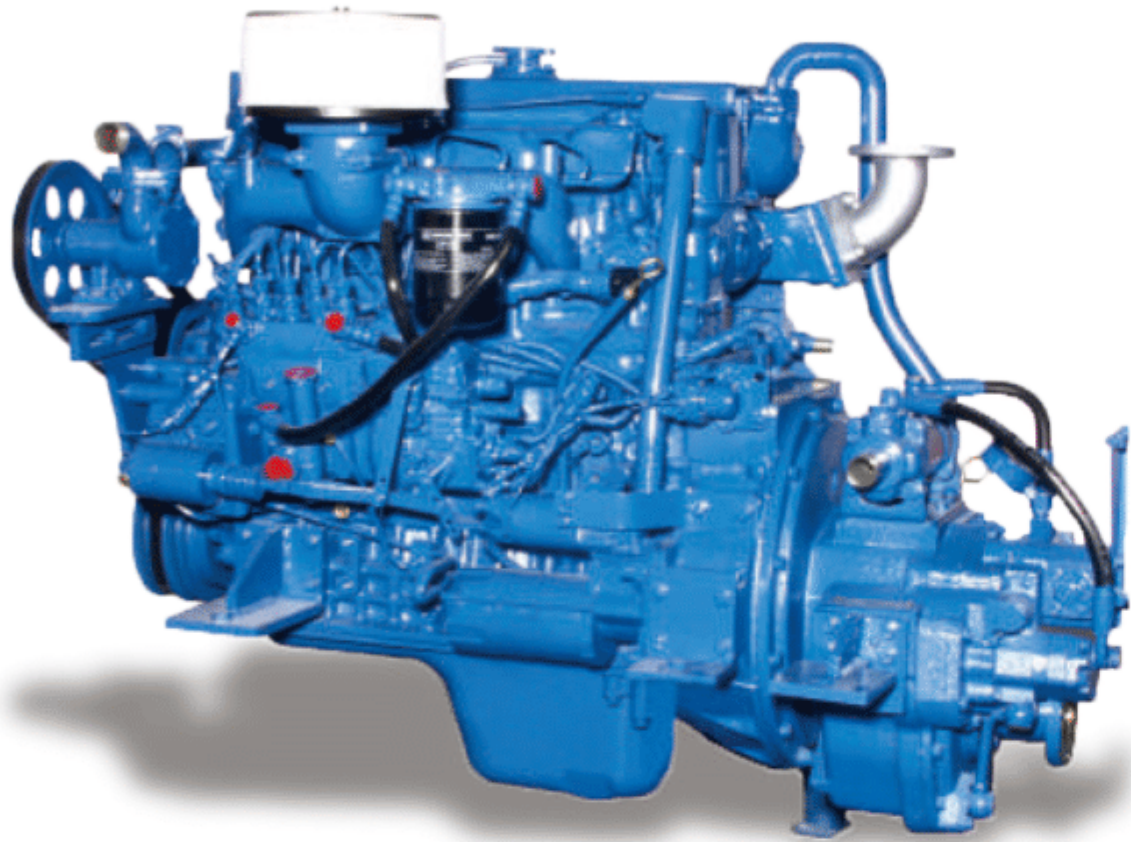


Specification / 엔진사양

SPEC / 사양	MODEL / 기종	H6D2T2	H6D2TA
ENGINE TYPE / 엔진형식		4CYCLE, INLINE, FRESHWATER COOLED DIESEL ENGINE 4행정 직렬, 청수냉각 디젤엔진	
CONTINUOUS POWER (PS×RPM) 연속출력×회전수		283×2,000	325×2,100
MEDIUM DUTY (PS×RPM)		320×2,100	360×2,200
NUMBER OF CYLINDER / 실린더 수		6	
BORE×STROKE (mm) / 실린더 내경×행정		130×140mm	
TOTAL DISPLACEMENT (cc) / 배기량		11,149cc	
ASPIRATION / 흡기 방식		TC / 터보차저 강제급기	TCI / 터보차저 인터쿨러
COMBUSTION TYPE / 연소 방식		DIRECT INJECTION / 직접 분사식	
COMPRESSION RATIO / 압축비		16	15.5
FIRING ORDER / 폭발순서		1-5-3-6-2-4	
VALVE CLEARANCE (mm) 밸브 타펠트 간극		INTAKE 0.4 EXHAUST 0.6	
FUEL OIL / 연료유		DIESEL LIGHT OIL / 경유	
LUBRICATING OIL / 윤활유		API CD CLASS / 미국 자동차 규격 CD급	
COOLING SYSTEM / 냉각 방식		HEAT EXCHANGER TYPE FORCED CIRCULATING CENTRIFUGAL PUMP 원심펌프로 청수 강제순환 냉각	
STARTING SYSTEM / 시동 방식		DC 24VOLT ELECTRIC MOTOR / 직류 24V 전기시동	
FUEL INJECTION PUMP AND GOVERNOR 연료 펌프, 가버너		BOSCH TYPE WITH ALL SPEED CONTROL / 보쉬형 전속도 제어	
ROTATING DIRECTION 회전 방향	ENGINE / 엔진	CLOCK WISE VIEWED FROM BOW / 선수에서 보아 시계 방향	
	PROPELLER 스크류	CLOCK WISE VIEWED FROM STERN / 선미에서 보아 시계 방향	
STANDARD REDUCTION GEAR RATIO 표준 감속비		1.97, 2.23, 2.54, 2.76, 3.04, 3.41	
DRY WEIGHT WITH GEAR BOX (kg) 엔진 무게(감속기 포함)		1,180	1,218

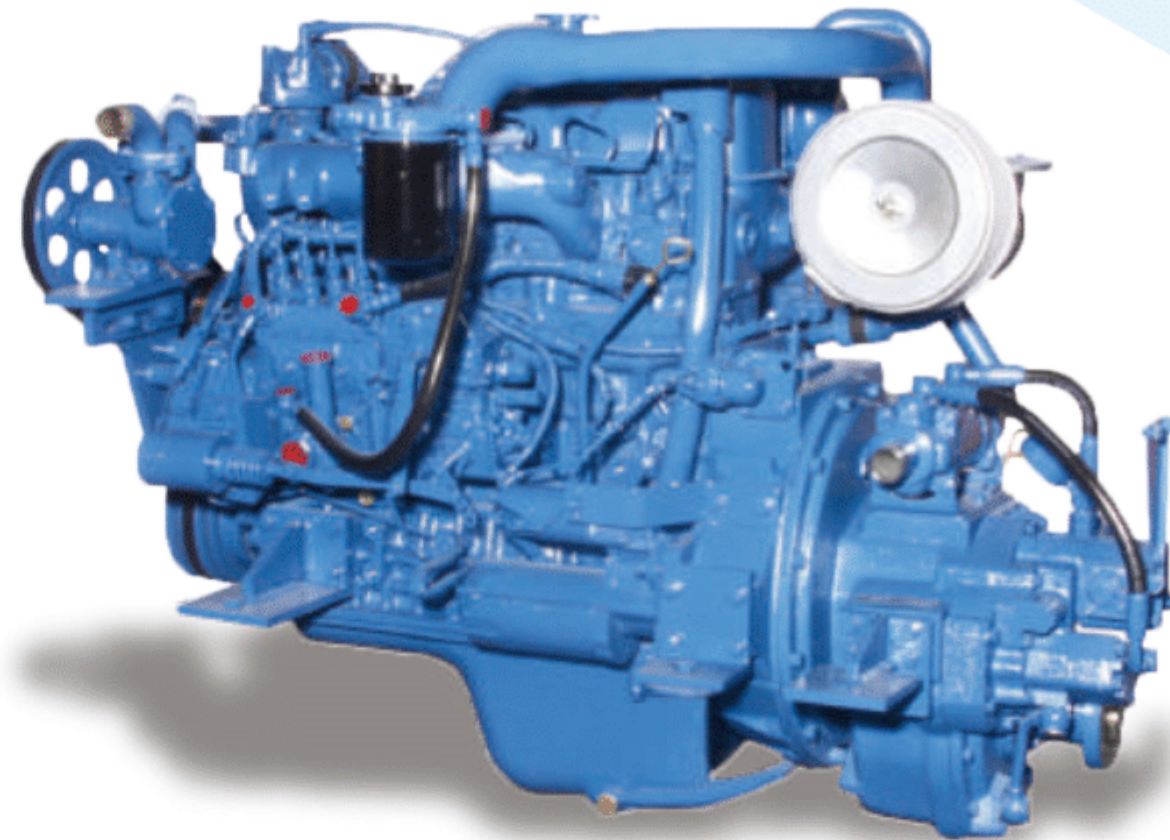
HYUNDAI MARINE DIESEL ENGINE

H4D Series



H4D

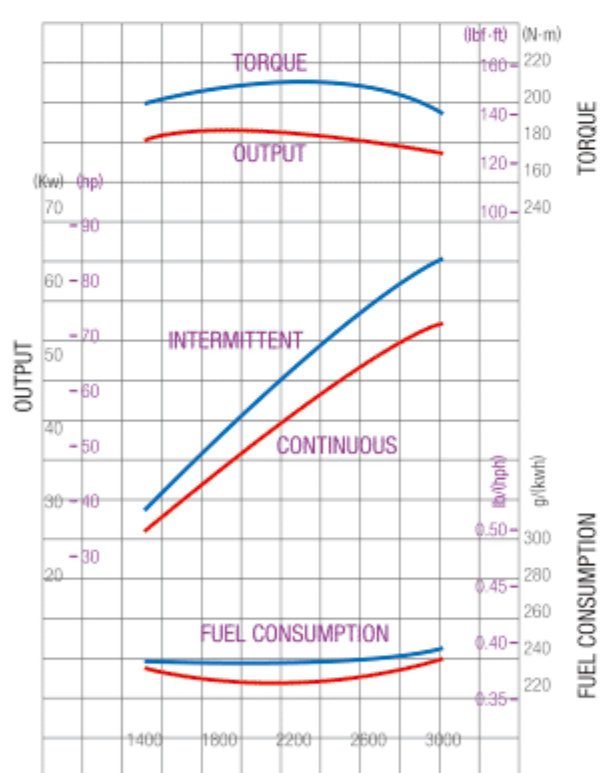
68PS×2700RPM
80PS×2800RPM



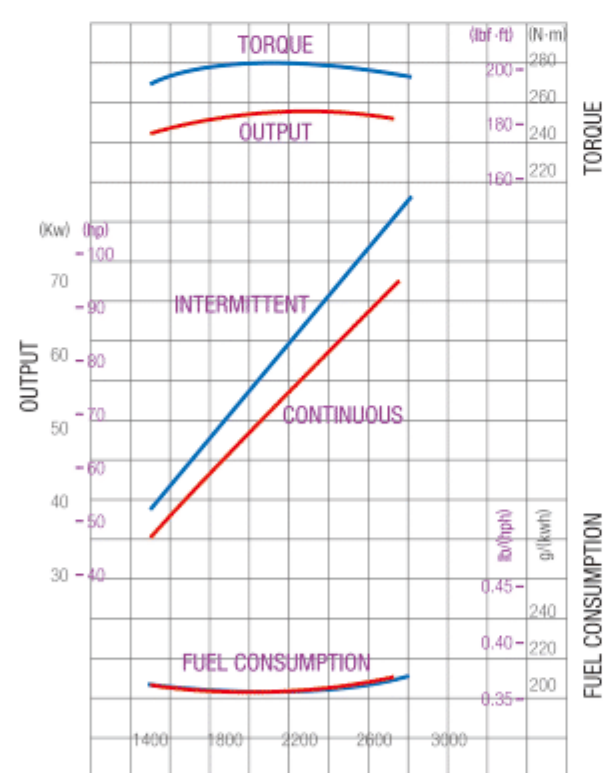
H4DT

94PS×2700RPM
110PS×2800RPM

Performance Curve / Courbe Des Caracteristiques

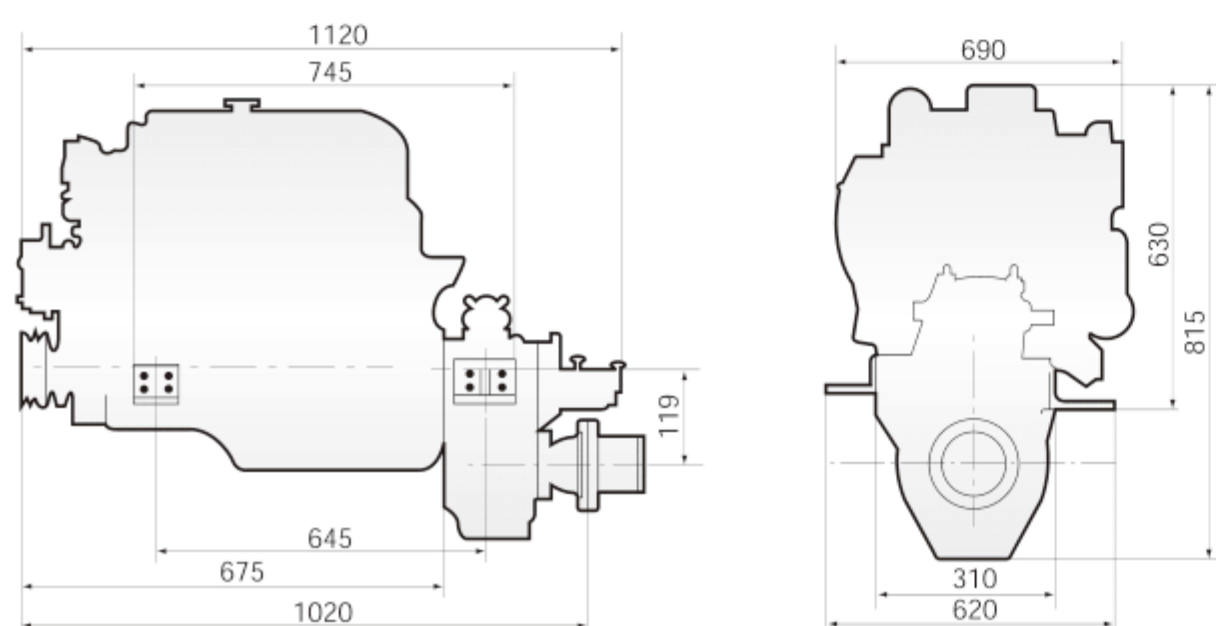


H4D



H4DT

Dimensions / 엔진치수 (mm)



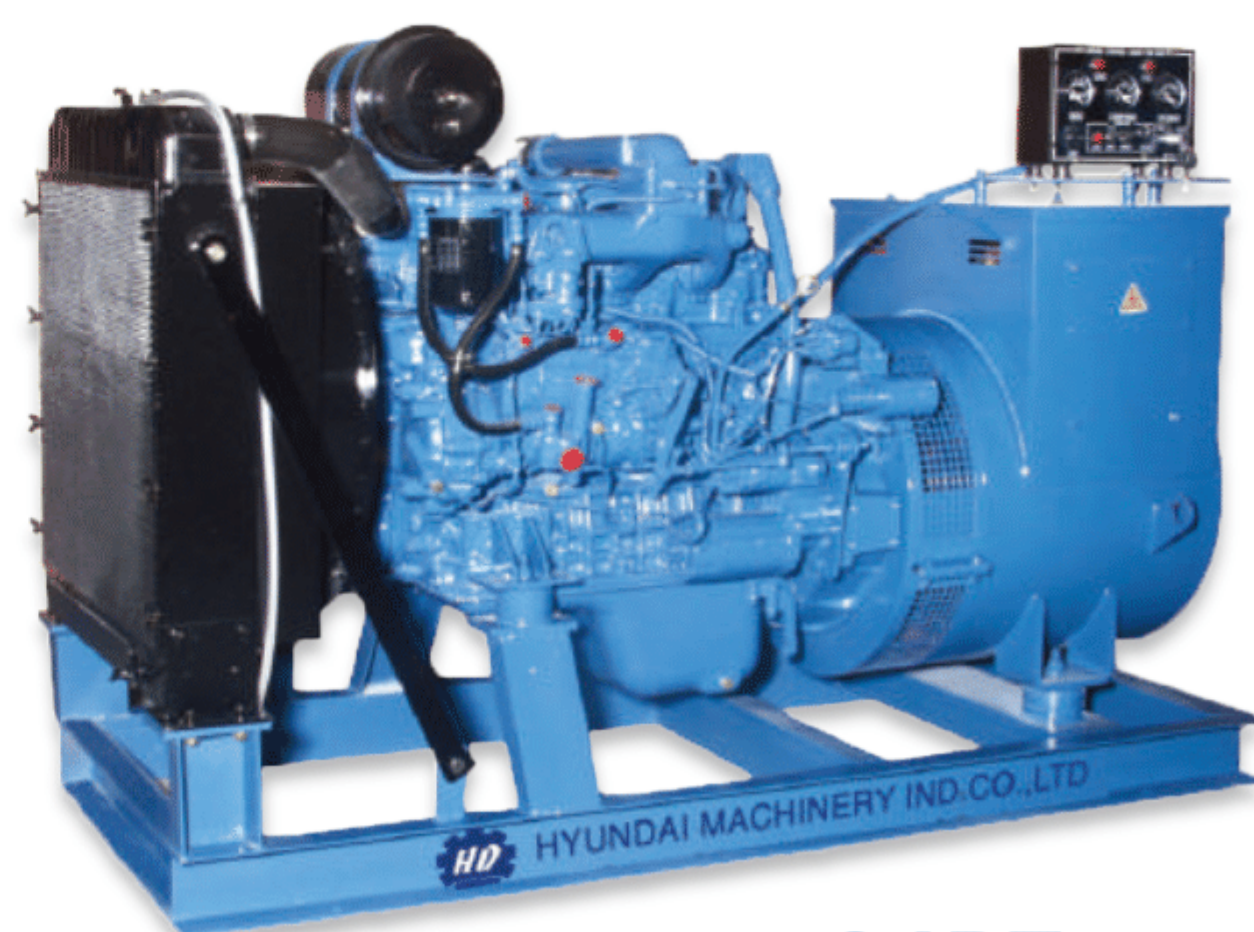
Specification / 엔진사양

SPEC / 사양	MODEL / 기종	H4D	H4DT
ENGINE TYPE / 엔진형식		4CYCLE, INLINE, FRESHWATER COOLED DIESEL ENGINE 4행정 직렬, 청수냉각 디젤엔진	
CONTINUOUS POWER (PS×RPM) 연속출력×회전수		68×2,700	94×2,700
MEDIUM DUTY (PS×RPM)		89×2,800	110×2,800
NUMBER OF CYLINDER / 실린더 수		4	
BORE×STROKE (mm) / 실린더 내경×행정		100×105mm	
TOTAL DISPLACEMENT (cc) / 배기량		3,298cc	
ASPIRATION / 흡기 방식		NA / 자연흡입	TC / 터보차저 강제급기
COMBUSTION TYPE / 연소 방식		DIRECT INJECTION / 직접 분사식	
COMPRESSION RATIO / 압축비		17.5	16
FIRING ORDER / 폭발순서		1-3-4-2	
VALVE CLEARANCE (mm) 밸브 타겟트 간극		INTAKE 0.4 EXHAUST 0.4	
FUEL OIL / 연료유		DIESEL LIGHT OIL / 경유	
LUBRICATING OIL / 윤활유		API CD CLASS / 미국 자동차 규격 CD급	
COOLING SYSTEM / 냉각 방식		HEAT EXCHANGER TYPE FORCED CIRCULATING CENTRIFUGAL PUMP 원심펌프로 청수 강제순환 냉각	
STARTING SYSTEM / 시동 방식		DC 24VOLT ELECTRIC MOTOR / 직류 24V 전기시동	
FUEL INJECTION PUMP AND GOVERNOR 연료 펌프, 가버너		BOSCH TYPE WITH ALL SPEED CONTROL / 보쉬형 전속도 제어	
ROTATING DIRECTION 회전 방향	ENGINE / 엔진	CLOCK WISE VIEWED FROM BOW / 선수에서 보아 시계 방향	
	PROPELLER 스크류	CLOCK WISE VIEWED FROM STERN / 선미에서 보아 시계 방향	
STANDARD REDUCTION GEAR RATIO 표준 감속비		1.64 2.07 2.52 2.96 3.32	
DRY WEIGHT WITH GEAR BOX (kg) 엔진 무게(감속기 포함)		430	445

HYUNDAI LAND DIESEL GENERATOR



G6D2T
184KW×1800RPM



G4DT
60KW×1800RPM

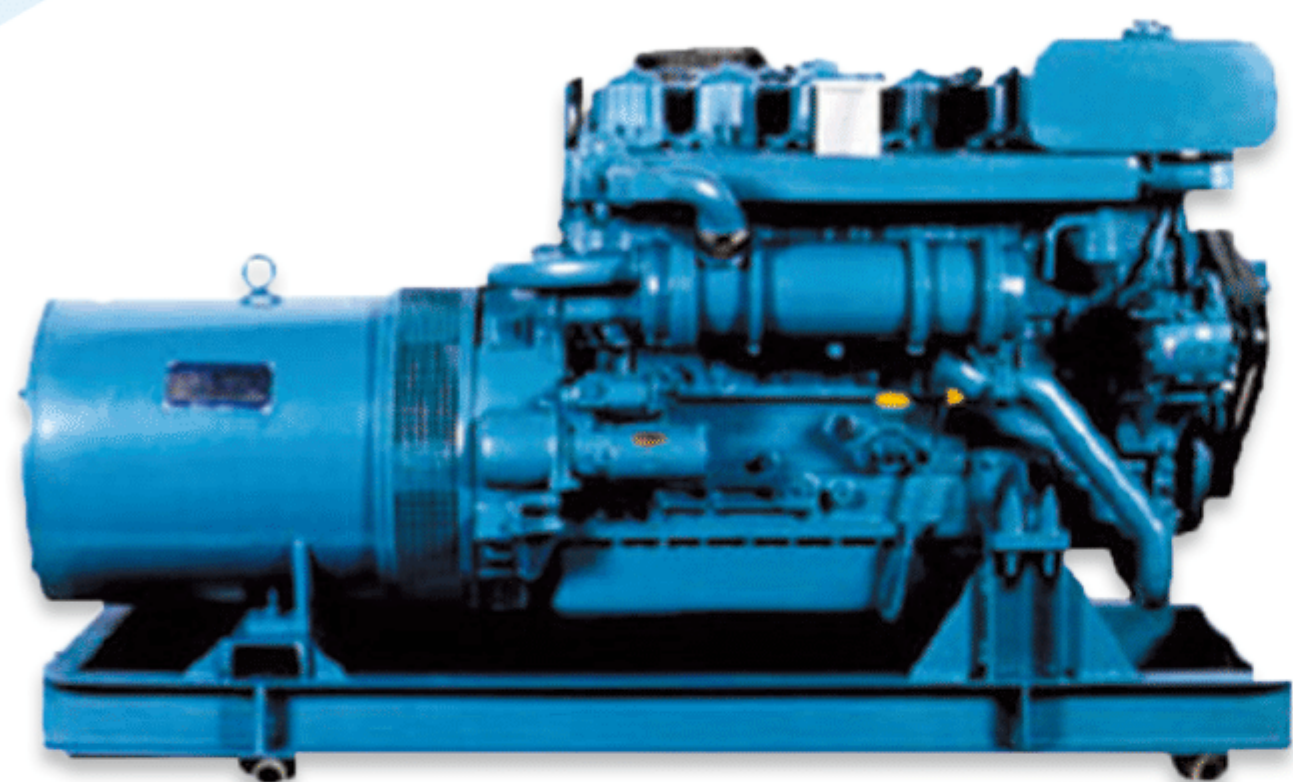
Total Specification

ENGINE MODEL		G4D		G4DT		G6D2T2		G6D2T1		G6D2TA		G6D8TA	G6D9TA		
ENGINE	STAND-BY POWER	RPM	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1800	1800	
		PS	50	60	60	82	230	250	270	309	320	350	460	540	
	PRIME POWER	RPM	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1800	1800	
		PS	45	54	54	74	207	225	243	278	288	315	410	470	
	NO.OF CYL		4		4		6		6		6		6		
	BORE×STROKE	mm	104×105		100×105		130×140		130×140		130×140		130×155		
	DISPLACEMENT	cc	3,568		3,298		11,149		11,149		11,149		12,344		
	COMPRESSION RATIO		17.5 : 1		16 : 1		16.5 : 1		16.5 : 1		16.5 : 1		17.2 : 1		
	ASPIRATION		N.A		TC		TC		TC		TCI		TCI		
	FLYWHEEL	SAE	#10		#10		#14		#14		#14		#14		
	FLYWHEEL HS'G	SAE	#4		#4		#1		#1		#1		#1		
	FAN DIA. (PUSH TYPE)	mm	508				711.2								
	ROTATION		COUNTER CLOCKWISE VIEWED FROM FLYWHEEL												
	GENERATOR	STAND-BY POWER (KW)	50Hz	37		44		169		199		235			
60Hz			44		60		184		227		257		338		
PRIME POWER (KW)		50Hz	33		40		152		179		219				
		60Hz	40		54		165		204		232		302		
VOLTAGE / PHASE / POLE			225VAC. 380VAC. 445VAC / 3Ø 4W												
INSULATING			"H" CLASS												
EXCITING			SELF EXCITING BRUSHLESS												
BEARING / VENTILATING			SINGLE BEARING / SELF VENTILATING												
DIMENSION (mm)	L	1,800		1,800		2,600		2,650		2,750		2,800		2,800	
	W	700		700		900		900		1,000		1,000		1,000	
	H	1,300		1,300		1,550		1,600		1,700		1,750		1,750	
WEIGHT (kg)		980		1,050		1,700		1,850		2,150		2,200		2,200	

HYUNDAI MARINE DIESEL GENERATOR

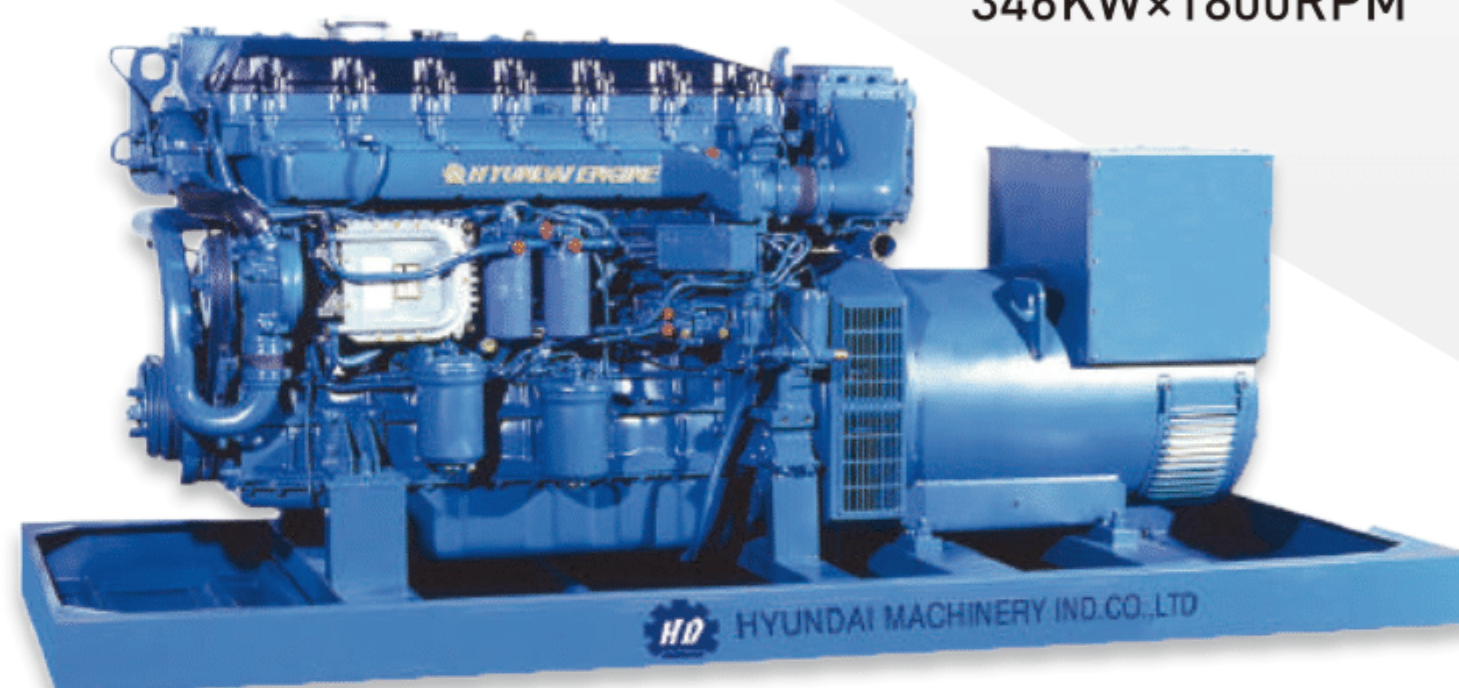
● HYUNDAI GENERATOR

We do our best for your satisfaction through the high technology with superior power, low emission and noise, and low fuel consumption.



GM6AZ

165KW×1800RPM



GM6CC2

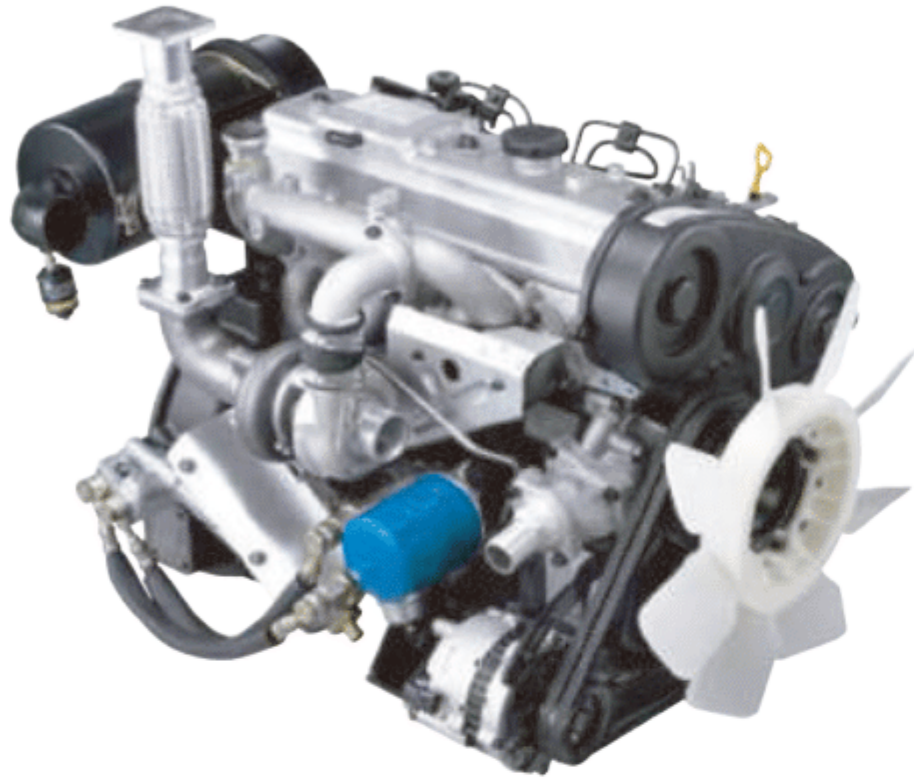
346KW×1800RPM

Total Specification

ENGINE MODEL		GM4AF		GM4AK		GM6AZ2		GM6AZ1		GM6AC		GM6CC2		GM6CC1	
PRIME POWER	RPM	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1800	1800	1800	1800
	PS	45	54	54	74	207	225	243	278	288	315	410	470	470	470
NO.OF CYL		4		4		6		6		6		6		6	
BORE×STROKE	mm	104×105		100×105		130×140		130×140		130×140		130×155		130×155	
DISPLACEMENT	cc	3,568		3,298		11,149		11,149		11,149		12,344		12,344	
COMPRESSION RATIO		17.5 : 1		16 : 1		16.5 : 1		16.5 : 1		16.5 : 1		17.2 : 1		17.2 : 1	
ASPIRATION		N.A		TC		TC		TC		TCI		TCI		TCI	
GOVERNOR		BOSCH RSV TYPE (OR ELECTRIC)										E.C.U			
FLYWHEEL	SAE	#10		#10		#14		#14		#14		#14		#14	
FLYWHEEL HOUSING	SAE	#4		#4		#1		#1		#1		#1		#1	
COOLING SYSTEM		HEAT EXCHANGER TYPE FORCED CIRCULATING CENTURIFUGAL PUMP													
STARTING SYSTEM		DC 24 VOLTAGE / ELECTRIC STARTING BY START MOTOR													
PRIME POWER (KW)	50Hz	33	40	152	219	294									
	60Hz	40	54	165	232	324	302	346							
VOLTAGE		225VAC. 380VAC. 445VAC													
PHASE / POLE		3Ø 4W													
INSULATING CLASS		"H" CLASS													
EXCITING		SELF EXCITING BRUSHLESS													
BEARING / VENTILATING		SINGLE BEARING / SELF VENTILATING													
DIMENSION (mm)	L	1,600	1,600	2,460	2,500	2,600	2,650	2,650							
	W	670	670	870	870	990	1,000	1,000							
	H	700	750	1,100	1,100	1,220	1,250	1,250							
WEIGHT (kg)		640	650	1,450	1,550	1,890	1,950	1,950							

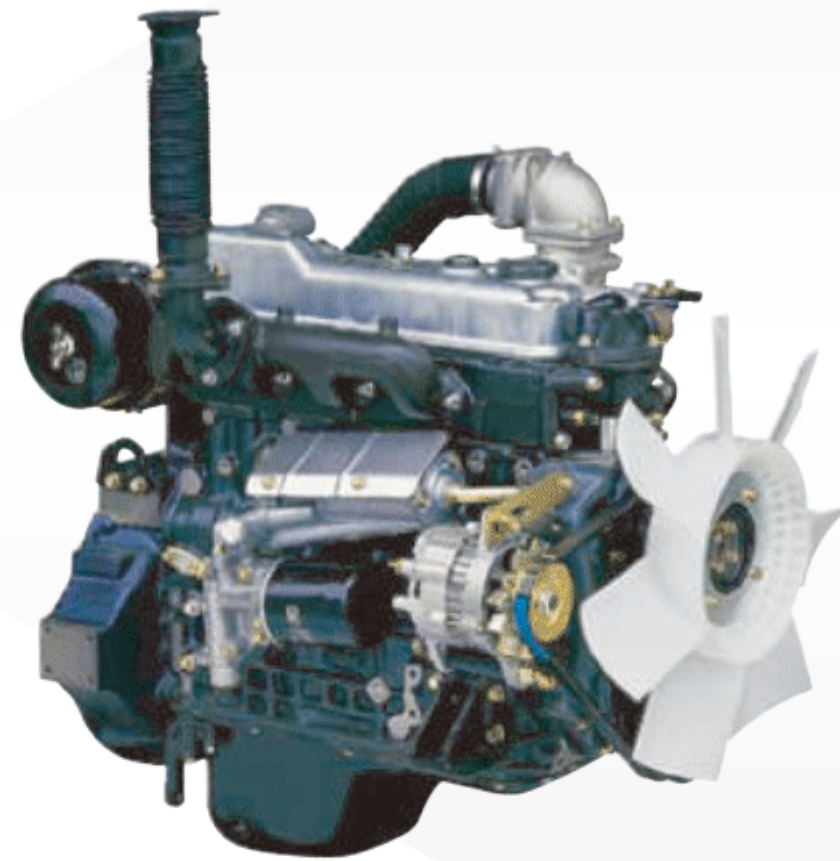
HYUNDAI GENERATOR DIESEL ENGINE

HIGH PERFORMANCE



D4BB-G5

- 60ps / 1,800rpm
- 28kg · m/1,800rpm
- 2,607 cc



D4AF-G

- 60ps / 1,800rpm
- 33kg · m/1,500rpm
- 3,568 cc



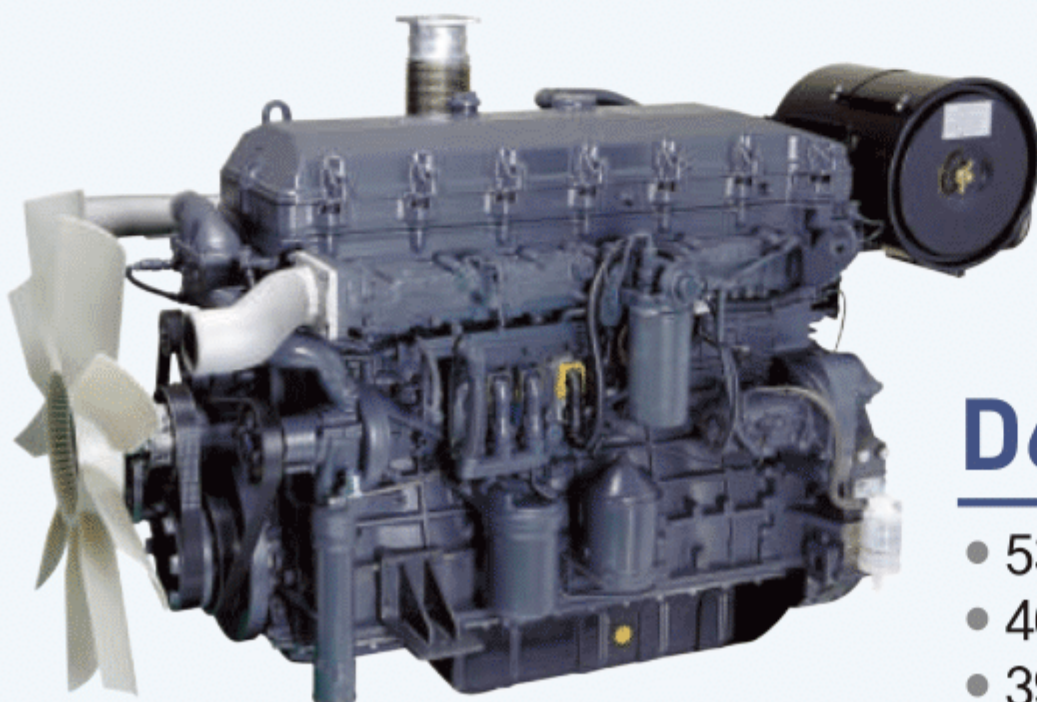
D4AK-G

- 82ps / 1,800rpm
- 40kg · m/1,500rpm
- 3,298 cc



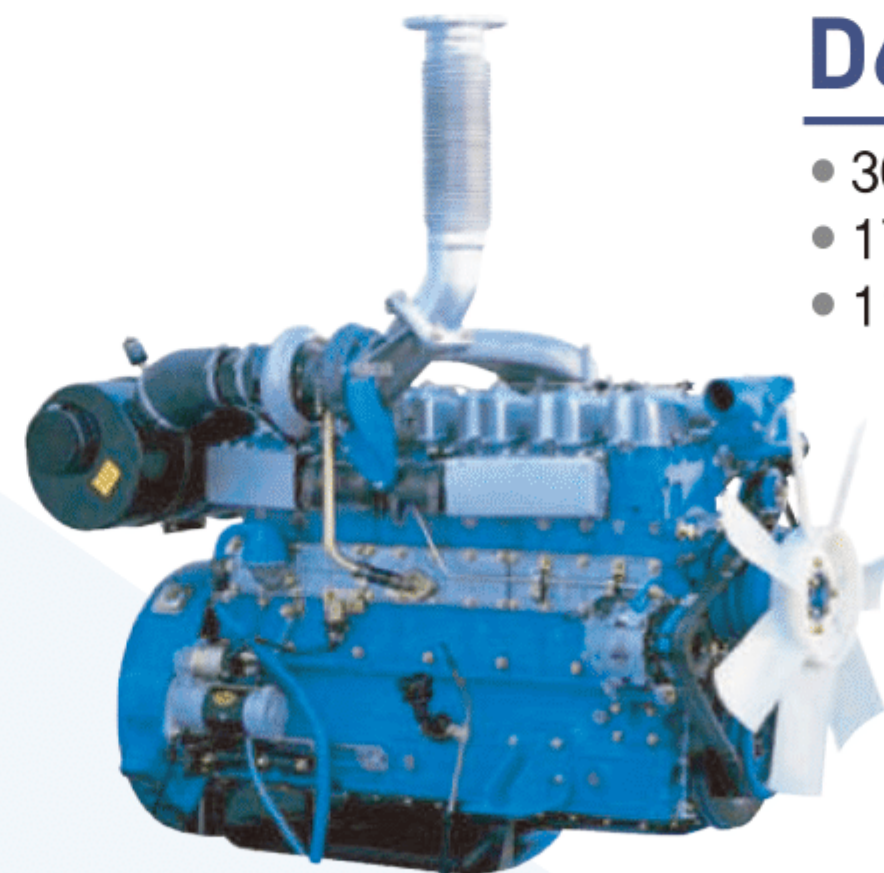
D4DA-G

- 107ps / 1,800rpm
- 55kg · m/1,500rpm
- 3,907 cc



D6CC-G1,G2

- 530ps / 1,800rpm
- 460ps / 1,800rpm
- 390ps / 1,800rpm
- 338ps / 1,800rpm
- 12,344 cc



D6AZ-G1

- 309ps / 1,800rpm
- 179kg · m/1,500rpm
- 11,149 cc

HYUNDAI INDUSTRIAL DIESEL ENGINE

LOW FUEL CONSUMPTION



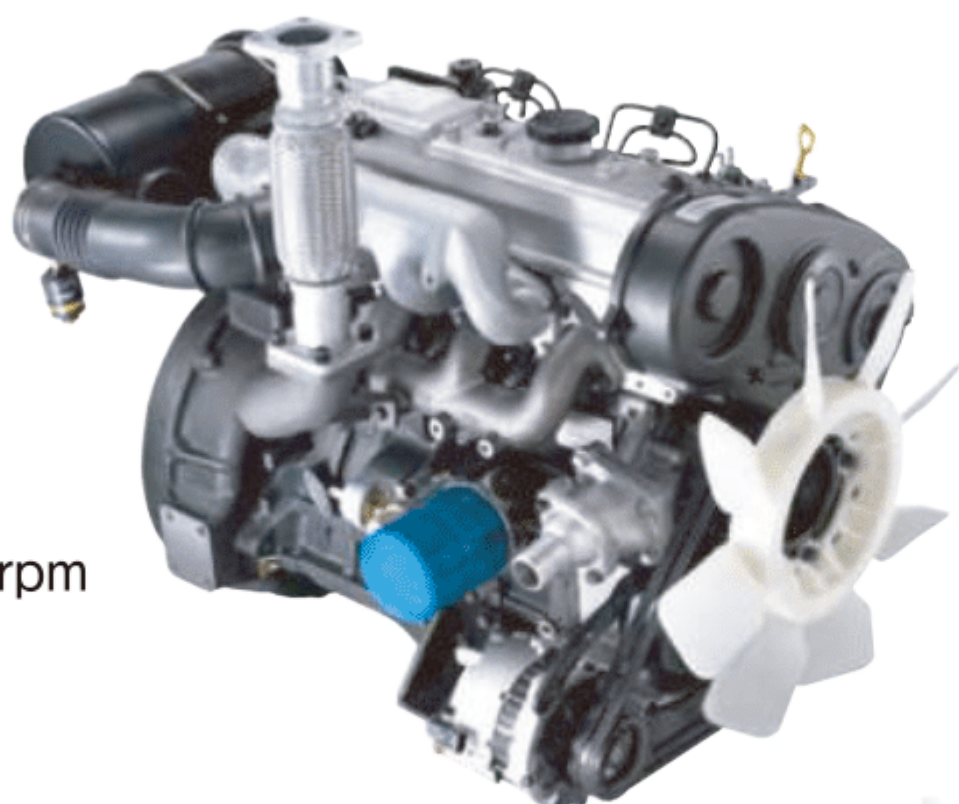
D4BB-P1

- 40ps / 2,000rpm
- 15kg · m/1,500rpm
- 2,607 cc



D4BB-C8

- 64ps / 2,500rpm
- 19.9kg · m/2,000rpm
- 2,607 cc

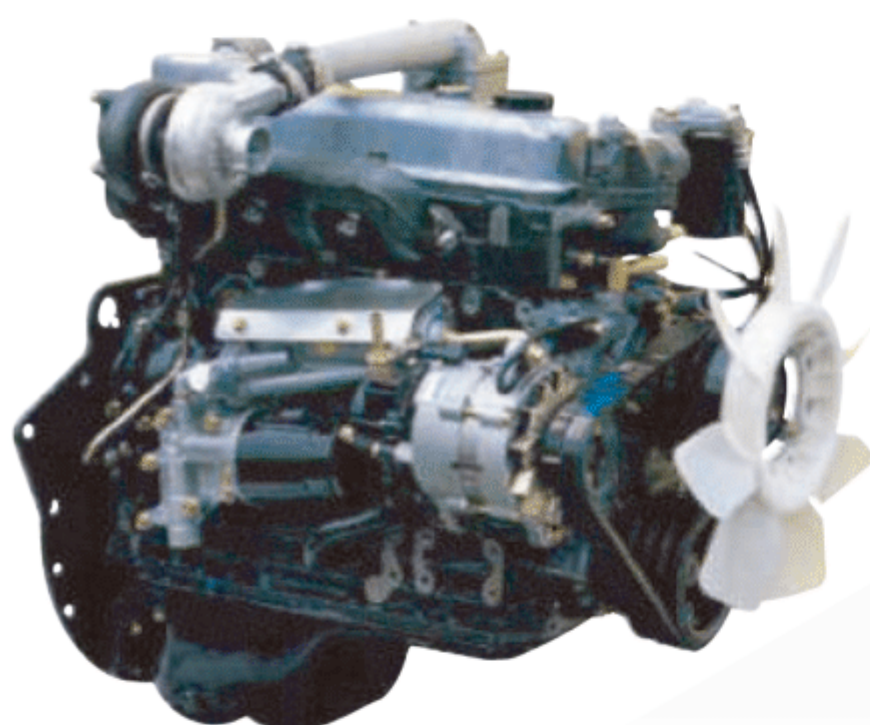


D4BB-C1

- 57ps / 2,500rpm
- 17.6kg · m/1,500rpm
- 2,607 cc

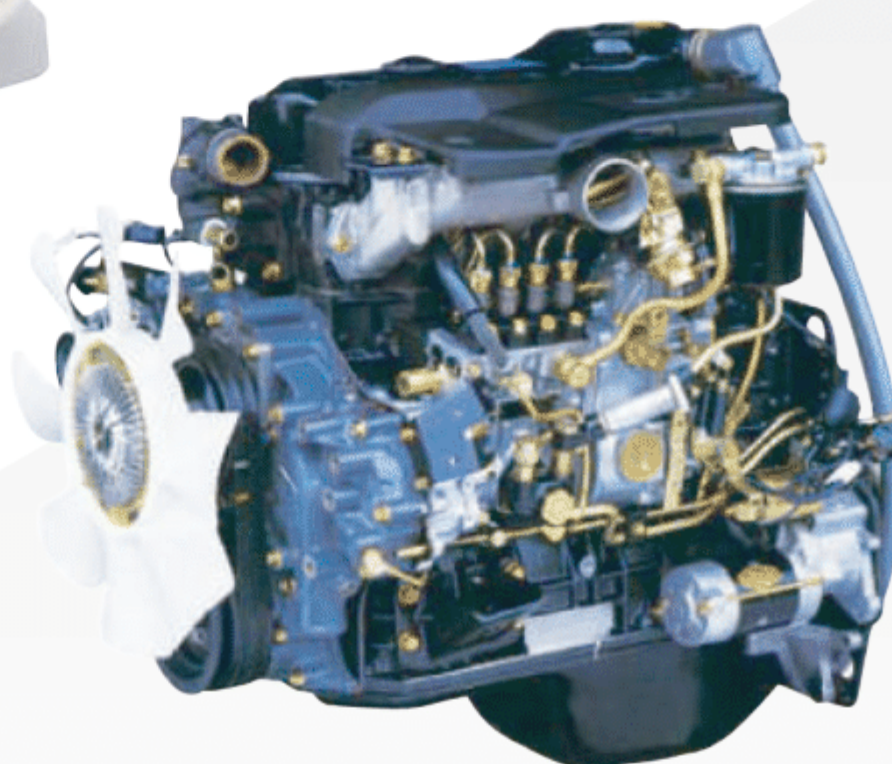
D4AF

- 63ps / 2,400rpm
- 21.0kg · m/1,800rpm
- 3,568 cc



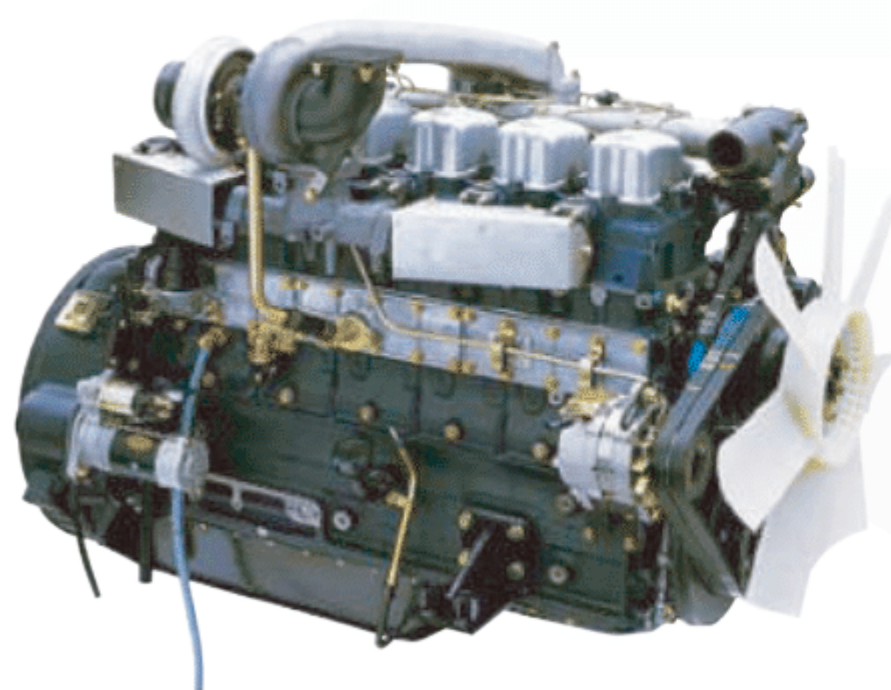
D4AK

- 85ps / 2,400rpm
- 27.5kg · m/1,800rpm
- 3,298 cc



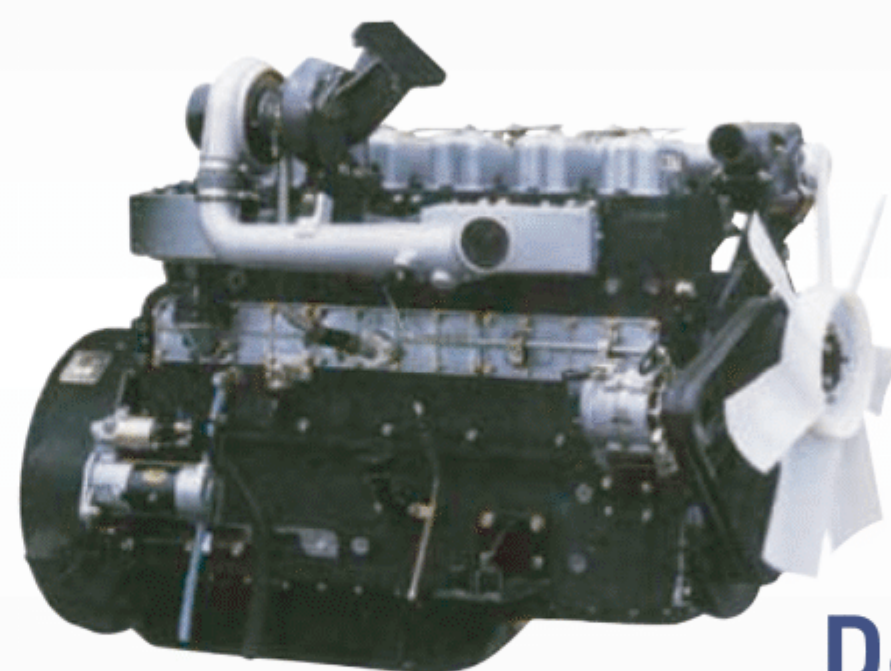
D4DA

- 98ps / 2,300rpm
- 33kg · m/1,700rpm
- 3,907 cc



D6AZ

- 260ps / 2,000rpm
- 112.5kg · m/1,400rpm
- 11,149 cc



D6AC

- 310ps / 2,100rpm
- 132kg · m/1,400rpm
- 11,149 cc

HYUNDAI ENGINE

 현대기계공업주식회사
HYUNDAI MACHINERY IND.CO.,LTD

FULL-FLOW FILTER

BYPASS FILTER

Materials and specifications are subject to change without notice.
Le design et les specification pourront faire l'object de sans preavis.
본 사양과 내용은 성능향상을 위해 변경될 수 있습니다.

Al Sol Marine Services

701, Al Maha Bldg. Al Nakheel,
P.O.Box 6135, Ajman - U.A.E.
Phone: +971 6 7423 741
Email: info@alsolmarine.com