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JAN 2017, V5

MARINE PRODUCTS SELECTION GUIDE

WEICHAI

Introduction of Weichai

Long history, excellent products, leading technology, innovation consciousness, first-class management systems, top service quality, worldwide customers and partners——this is Weichai.

Located in Weifang of Shandong, Weichai is the first diesel engine company listed in Hong Kong's H-share market. With more than $16 billion turnover and 50,000 employees worldwide in 2015, Weichai is one of the strongest automotive and equipment manufacturers in China.

Weichai has possessed four business platforms--Vehicle, Powertrain, Component and Yacht. This has formed the Weifang-centered all series engine industrial base, the Xi'an-centered heavy-duty vehicle and powertrain industrial base, the Chongqing-centered big-power engine and light-duty vehicle industrial base, and the Yangzhou-centered small-power, coach and special vehicle industrial base.

In the meantime, the international process of Weichai has got a great development. In Jan 2012, Weichai Group acquired 75 percent of Ferretti (FER) for 178 million Euros ($228 million). On September 3, 2012, the company signed strategic cooperation agreement with one of the world top industrial forklift truck manufacturers and the global leaders of hydraulic technology--KION Group Germany, revolutionized the situation of long-term dependence on imports of China's high-end hydraulic products completely.

Over half the century, Weichai has devoted to exploring the application and development of diesel engine and providing a full range of engine assemblies for users, displacement from 2 to 580L, power range from 20 to 12,240 HP, so as to pay attention to living environment for human beings in a more active way, push forward low-emission products with continuous technological innovation, lead industry and win customers' acceptance.

Weichai, global leading, full series and whole field engine supplier, aims to your maximum satisfaction and sincerely provides you with all-around power services!

Weichai Marine Products

Weichai is the largest marine engine manufacturer in China and has full series marine diesel engines, bore diameter from 85 to 320mm, displacement from 2.1 to 580L, power range from 27 to 12,240 HP. Weichai marine engines are known for their toughness and reliability, good fuel efficiency and performance, thorough and satisfactory in service, etc. That's why so many customers and partners worldwide choose Weichai marine engines.

Weichai can offer three product lines for marine applications.

The Weichai brand product line has propulsion engines from 27 to 2,666 HP, auxiliary engines from 17.5 to 402 kW and generator sets from 16 to 350 kW.

The Baudouin brand product line has propulsion engines from 450 to 1,500 HP and generator sets from 304 to 700 kW.

The Weichai-Man Product line has propulsion engines from 1,754 to 12,240 HP and auxiliary engines from 450 to 9000 kW, licensed by Man Company.

All Weichai engines in this guide over 130kW meet the IMO Tier II NOx emissions (Annex VI of MARPOL 73/78); Most of Weichai Marine engines have passed the certification of main Marine Classification Society in the world. You can get the certification status under the individual engines column.

Weichai has 5 marine engine manufacturing bases in China and 1 in France, all of the bases have certified by ISO 9001: 2000 Quality Management System and got approvals of main societies.

Learn more products information,
please visit www.weichai.com/

Rating Guidelines

Weichai engine power rating based on Chinese standard GB/T6072 (idt ISO 3046).Conditions :

Barometric pressure 100 kPa

Air temperature 298K(25 ℃)

30% relative humidity

Water for intercooler temperature 298K(25 ℃)

Fuel consumption has a tolerance of ±5% and power has a tolerance of ±3%, is based on fuel of 0 # diesel having an LHV of about 42,700 KJ/KG.

Propulsion Engine

Power class		Definition	Typical Application
P1	Continuous Duty (CON)	1) Unrestricted continuous with full load 2)80% to 100% load factor 3) Operating time from 5000 to 7000 hrs/year.	Off-shore and river tug boats, Ro-Ro, ferries, barges / LCT , cargos, deep-sea trawlers, passenger vessels
P2	Heavy Duty (HD)	1) Continuous with load variations, 8 hrs out of 12 with full load 2) 30% to 80% load factor. 3)Operating time from 3000 to 5000 hrs /year	Harbour tug boats, long liners, seiners self propelled river barges passenger vessels (seasonal)
P3	Intermittent Duty (INT)	1) Intermittent with important load variations, 2 hrs out of 12 with full load 2) 50% load factor 3) Cruise speed less than 90% rated speed 4) Operating time from1000-3000 hrs /year	Crew boats, pilot boats, private motor yachts, fire-fighting vessels, passenger vessels (seasonal), charter motor yachts
P4	High Output Duty (HO)	1) High performance with very important load variations, 1 hr out of 12 with full load 2) 30% load factor 3) Cruise speed less than 80% rated speed 4) Operating time less than 1000 hrs /year	Patrol boats, sea rescue ships, game fish launches, short range private motor yachts

Auxiliary Engine

Power class	Definition
Continuous Power (COP)	1)Operating time is unlimited per year 2)Unrestricted continuous with full load 3)10% overload available 1 hr out of 12
Prime Running Power (PRP)	1)Less than 70% load factor in 24hrs 2)Operating time less than 500 hrs with 100% rated duty per year 3)10% overload available 1 hr out of 12,total time less than 25hrs per year

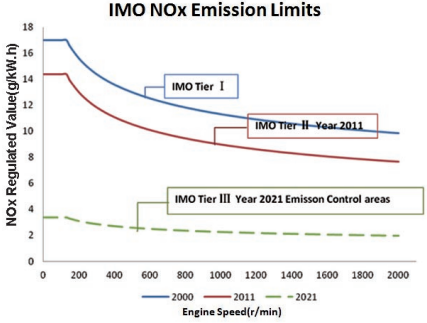
Emission, Regulation, Certification

IMO Emissions

To reduce the pollution released from marine diesel engines, the International Maritime Organization drew up the MARPOL 73/78 Annex VI: Prevention of Air Pollution from Ships,and it was passed in September 1997. As a result, the regulation of NOx emission levels began for marine diesel engines with a power of above 130kW on vessels built on or after January 1, 2000, referred to as IMO Tier I. In October 2008, the Marine Environment Protection Committee (MEPC) of IMO adopted amendments to the MARPOL Annex VI regulations, the engines mounted in vessels built on or after January 1, 2011 face even stricter Tier II regulations. According to a speed- dependent function, about 20% NOx is reduced from IMO Tier I levels. IMO Tier III limits will be implemented after 2021 in emission control area.

All Weichai marine engines comply with IMO Tier II emission limits.

Tier	Date	NOx Limit（g/kWh）		
		n＜130	130≤n≤2000	n≥2000
Tier I	2000	17	$45 \cdot n^{-0.2}$	9.8
Tier II	2011	14.4	$44 \cdot n^{-0.23}$	7.7
Tier III	2021	3.4	$9 \cdot n^{-0.2}$	1.96



EU Regulations

EU Regulations Commercial Craft Directive 97/68/EC - The directive regulates exhaust emissions from various mobile machinery in the European Community area. After January 1, 2007, this directive covered all propulsion and auxiliary engines used aboard inland waterway vessels. The Directive contains a phased implementation based upon per cylinder displacement and application of the subject engine.

CCNR Regulations - Central Commission for the Navigation of the Rhine(CCNR) implemented its Stage II emissions regulation for diesel engines In July 2007, this regulation is only effective for engines with a rated power at or above 37 kW. In an amendment to the CCNR regulation, according to the EU directives, EC type certification is considered equal to the CCNR's Stage II certification. Therefore, engines certified to the Nonroad Mobile Machinery Directive (97/68/EC) will be accepted without direct certification to the CCNR regulation.

Weichai has certified some WP4/WP6/WP10/WP12 and Baudouin brand engines by CCNR Regulations. Because the models and technology are different from common products in this guide, any requirement of these engines need to contact with our local dealers or Weichai professional.

CCNR/Stage III A Standards for Inland Waterway Vessels

Cat.	Displacement (D)	Date	CO	NO_x+HC	PM
	dm^3 per cylinder		g/kWh		
V1:1	D ≤ 0.9, P > 37 kW	2007.01	5	7.5	0.4
V1:2	0.9 < D ≤ 1.2		5	7.2	0.3
V1:3	1.2 < D ≤ 2.5		5	7.2	0.2
V1:4	2.5 < D ≤ 5	2009.01	5	7.2	0.2
V2:1	5 < D ≤ 15		5	7.8	0.27
V2:2	15 < D ≤ 20, P ≤ 3300 kW		5	8.7	0.5
V2:3	15 < D ≤ 20, P > 3300 kW		5	9.8	0.5
V2:4	20 < D ≤ 25		5	9.8	0.5
V2:5	25 < D ≤ 30		5	11	0.5

Society Certification

Most of Weichai marine engine are designed in compliance with the standards of international classification societies, so Weichai and many engines series had obtained type approvals from major marine classification societies worldwide including:

CCS (China Classification Society)
BV (Bureau Veritas)
RS (Russian Maritime Register of Shipping)
RRR (Russian River Register)
GL (Germanischer Lloyd)
KR (Korean Register of Shipping)
LR (Lloyd's Register of Shipping)
VR (Vietnam Register)
RINA (Register Italiano Navale)
ABS (American Bureau of Shipping)
IRS (India Register of Shipping)

Certification of classification societies is continuing, for more information on emission or certification, please contact local dealers or Weichai professional.

Society	226B-3C	WP4 WP6	WD10 WD12	WP12 WP13	M26 M33	6160	6170	8170	200	250	L21/31 L27/38 L32/40 V32/40
CCS	●	●	●	●	●	●	●	●	●	●	●
BV	●	●	●	●	●	/	●	/	●	○	●
RS	●	●	●	●	●	/	●	/	●	○	●
RRR	●	●	●	●	○	●	●	●	○	○	●
GL	○	○	○	○	●	/	○	/	●	○	●
KR	●	○	○	○	○	/	○	○	●	○	●
LR	○	○	○	○	●	/	○	/	○	○	●
VR	●	●	●	●	○	●	●	●	●	●	●
RINA	●	○	●	●	●	/	○	/	○	●	●
ABS	○	○	○	○	○	/	○	/	●	○	●
IRS	○	●	●	●	○	/	○	/	○	○	●

●Passed ○In Certificating / No pass

Propulsion Products

kW	HP	RPM	Engine Model	Rating	Aspiration	Power Output Size	Page
40	54	1500	WP4.1C54-15	P1	T	SAE3/11.5	25
50	68	1500	WP4.1C68-15	P1	T	SAE3/11.5	25
60	82	1800	WP4.1C82-18	P1	T	SAE3/11.5	25
35	48	1800	D226B-3C1	P1	NA	SAE3/11.5	26
40	54	1500	TD226B-3C	P1	T	SAE3/11.5	26
50	68	1800	TD226B-3C1	P1	T	SAE3/11.5	26
60	82	1500	WP4C82-15	P1	T	SAE1/14	27
70	95	1800	WP4C95-18	P1	T	SAE1/14	27
75	102	2100	WP4C102-21	P1	T	SAE1/14	27
88	120	1800	WP4C120-18	P1	TA	SAE1/14	27
90	122	1500	WP6C122-15	P1	T	SAE1/14	28
105	142	1800	WP6C142-18	P1	T	SAE1/14	28
115	156	2100	WP6C156-21	P1	T	SAE1/14	28
110	150	1500	WP6C150-15	P1	TA	SAE1/14	28
122	165	1800	WP6C165-18	P1	TA	SAE1/14	28
136	185	2100	WP6C185-21	P1	TA	SAE1/14	28
103	140	2300	WP6C140-23	P1	T	SAE1/14	28
120	163	2300	WP6C163-23	P1	T	SAE1/14	28
145	198	2300	WP6C198-23	P1	TA	SAE1/14	28
162	220	2300	WP6C220-23	P1	TA	SAE1/14	28
140	190	1500	WD10C190-15	P1	TA	SAE1/14	29
160	218	1500	WD10C218-15	P1	TA	SAE1/14	29
176	240	1500	WD10C240-15	P1	TA	SAE1/14	29
190	258	1500	WD10C258-15	P1	TA	SAE1/14	29
205	278	1500	WD10C278-15	P1	TA	SAE1/14	29
140	190	1800	WD10C190-18	P1	T	SAE1/14	29

Propulsion Products

kW	HP	RPM	Engine Model	Rating	Aspiration	Power Output Size	Page
176	240	1800	WD10C240-18	P1	TA	SAE1/14	29
205	278	1800	WD10C278-18	P1	TA	SAE1/14	29
230	312	1800	WD10C312-18	P1	TA	SAE1/14	29
147	200	2100	WD10C200-21	P1	T	SAE1/14	29
205	278	2100	WD10C278-21	P1	TA	SAE1/14	29
220	300	2100	WD10C300-21	P1	TA	SAE1/14	29
240	326	2100	WD10C326-21	P1	TA	SAE1/14	29
220	300	1500	WD12C300-15	P1	TA	SAE1/14	30
240	327	1500	WD12C327-15	P1	TA	SAE1/14	30
220	300	1800	WD12C300-18	P1	TA	SAE1/14	30
240	327	1800	WD12C327-18	P1	TA	SAE1/14	30
258	350	1800	WD12C350-18	P1	TA	SAE1/14	30
275	375	2150	WD12C375-21	P1	TA	SAE1/14	30
294	400	2150	WD12C400-21	P1	TA	SAE1/14	30
258	350	1500	WP12C350-15	P1	TA	SAE1/14	31
295	400	1800	WP12C400-18	P1	TA	SAE1/14	31
330	450	2100	WP12C450-21	P1	TA	SAE1/14	31
330	450	1800	WP13C450-18	P1	TA	SAE1/14	31
368	500	1800	WP13C500-18	P1	TA	SAE1/14	31
331	450	1800	6M26.2	P1	TA	SAE1/14	32
368	500	1800	6M26.2	P1	TA	SAE1/14	32
404	550	1900	6M26.2	P2	TA	SAE1/14	32
442	600	1950	6M26.2	P2	TA	SAE1/14	32
442	600	1800	8M26.2	P1	TA	SAE0/14	33
491	668	1800	8M26.2	P1	TA	SAE0/14	33

Propulsion Products

kW	HP	RPM	Engine Model	Rating	Aspiration	Power Output Size	Page
539	733	1900	8M26.2	P2	TA	SAE0/14	33
662	900	1800	12M26.2	P1	TA	SAE0/18	34
736	1000	1800	12M26.2	P1	TA	SAE0/18	34
808	1100	1900	12M26.2	P2	TA	SAE0/18	34
883	1200	1950	12M26.2	P2	TA	SAE0/18	34
368	500	1500	6M33C500-15	P1	TA	SAE0/18	35
405	550	1500	6M33C550-15	P1	TA	SAE0/18	35
441	600	1500	6M33C600-15	P1	TA	SAE0/18	35
478	650	1500	6M33C650-15	P2	TA	SAE0/18	35
441	600	1800	6M33C600-18	P1	TA	SAE0/18	35
478	650	1800	6M33C650-18	P1	TA	SAE0/18	35
515	700	1800	6M33C700-18	P1	TA	SAE0/18	35
551	750	1800	6M33C750-18	P2	TA	SAE0/18	35
588	800	1800	6M33C800-18	P2	TA	SAE0/18	35
662	900	1500	12M33C900-15	P1	TA	SAE0/18	36
735	1000	1500	12M33C1000-15	P1	TA	SAE0/18	36
809	1100	1500	12M33C1100-15	P1	TA	SAE0/18	36
882	1200	1500	12M33C1200-15	P1	TA	SAE0/18	36
956	1300	1500	12M33C1300-15	P2	TA	SAE0/18	36
882	1200	1800	12M33C1200-18	P1	TA	SAE0/18	36
956	1300	1800	12M33C1300-18	P1	TA	SAE0/18	36
1030	1400	1800	12M33C1400-18	P1	TA	SAE0/18	36
1103	1500	1800	12M33C1500-18	P2	TA	SAE0/18	36
300	408	1000	WHM6160C408-1	P1	TA	SAE0/16	37
330	450	1200	WHM6160C450-2	P1	TA	SAE0/16	37
360	490	1200	WHM6160C490-2	P1	TA	SAE0/16	37
382	520	1200	WHM6160C520-2	P1	TA	SAE0/16	37
405	550	1500	WHM6160C550-5	P1	TA	SAE0/16	37
426	580	1500	WHM6160C580-5	P1	TA	SAE0/16	37
456	620	1500	WHM6160C620-5	P1	TA	SAE0/16	37

Propulsion Products

kW	HP	RPM	Engine Model	Rating	Aspiration	Fuel	Page
300	408	1000	X6170ZC408-1	P1	TA	SAE0/16	38
330	450	1000	X6170ZC450-1	P1	TA	SAE0/16	38
330	450	1200	X6170ZC450-2	P1	TA	SAE0/16	38
353	480	1200	X6170ZC480-2	P1	TA	SAE0/16	38
368	500	1200	X6170ZC500-2	P1	TA	SAE0/16	38
382	520	1200	X6170ZC520-2	P1	TA	SAE0/16	38
397	540	1200	X6170ZC540-2	P1	TA	SAE0/16	38
426	580	1350	X6170ZC580-3	P1	TA	SAE0/16	38
441	600	1000	8170ZC600-1	P1	TA	SAE0/16	39
530	720	1200	8170ZC720-2	P1	TA	SAE0/16	39
601	818	1350	8170ZC818-3	P1	TA	SAE0/16	39
540	734	750	XCW6200ZC-5	P1	TA	MGO /HFO	40
600	816	750	XCW6200ZC-51	P1	TA	HFO	40
600	816	1000	CW6200ZC	P1	TA	MGO /HFO	40
540	734	900	CW6200ZC-5	P1	TA	MGO /HFO	40
450	612	750	CW6200ZC-7	P1	TA	MGO /HFO	40
698	949	1000	XCW6200ZC	P1	TA	MGO /HFO	40
720	979	1000	XCW6200ZC-1	P1	TA	MGO /HFO	40
648	881	900	XCW6200ZC-4	P1	TA	MGO /HFO	40
810	1102	1000	XCW6200ZC-10	P1	TA	MGO	40
828	1126	1000	XCW6200ZC-2	P1	TA	MGO	40
800	1088	1000	CW8200ZC	P1	TA	MGO /HFO	41
720	979	900	CW8200ZC-9	P1	TA	MGO /HFO	41
928	1262	1000	XCW8200ZC	P1	TA	MGO /HFO	41
960	1306	1000	XCW8200ZC-1	P1	TA	MGO /HFO	41
864	1175	900	XCW8200ZC-4	P1	TA	MGO /HFO	41
1030	1401	1000	XCW8200ZC-10	P1	TA	MGO	41
1200	1632	1000	CW12V200ZC	P1	TA	MGO /HFO	42
1080	1469	900	CW12V200ZC-2	P1	TA	MGO /HFO	42
1392	1893	1000	XCW12V200ZC	P1	TA	MGO /HFO	42
1440	1958	1000	XCW12V200ZC-1	P1	TA	MGO /HFO	42
1296	1763	900	XCW12V200ZC-4	P1	TA	MGO /HFO	42

Propulsion Products

kW	HP	RPM	Engine Model	Rating	Aspiration	Fuel	Page
1440	1958	900	CW16V200ZC-8	P1	TA	MGO /HFO	43
1600	2176	1000	CW16V200ZC-6	P1	TA	MGO /HFO	43
1760	2394	1000	CW16V200ZC	P1	TA	MGO	43
1470	1999	1000	CW6250ZLC	P1	TA	MGO /HFO	44
1103	1500	750	CW6250ZLC-1	P1	TA	MGO /HFO	44
1323	1799	900	CW6250ZLC-2	P1	TA	MGO /HFO	44
1060	1442	720	CW6250ZLC-3	P1	TA	MGO /HFO	44
1960	2666	1000	CW8250ZLC	P1	TA	MGO /HFO	45
1760	2394	900	CW8250ZLC-2	P1	TA	MGO /HFO	45
1470	1999	750	CW8250ZLC-1	P1	TA	MGO /HFO	45
1290	1754	1000	6L21/31	P1	TA	MGO /MDO/HFO	46
1505	2047	1000	7L21/31	P1	TA	MGO /MDO/HFO	46
1720	2339	1000	8L21/31	P1	TA	MGO /MDO/HFO	46
1935	2632	1000	9L21/31	P1	TA	MGO /MDO/HFO	46
2040	2774	800	6L27/38	P1	TA	MDO /HFO	47
2380	3237	800	7L27/38	P1	TA	MDO /HFO	47
2720	3699	800	8L27/38	P1	TA	MDO /HFO	47
3060	4162	800	9L27/38	P1	TA	MDO /HFO	47
2190	2978	800	6L27/38	P1	TA	MDO	47
2555	3475	800	7L27/38	P1	TA	MDO	47
2920	3971	800	8L27/38	P1	TA	MDO	47
3285	4468	800	9L27/38	P1	TA	MDO	47
3000	4080	720/750	6L32/40	P1	TA	MGO /MDO/HFO	48
3500	4760	720/750	7L32/40	P1	TA	MGO /MDO/HFO	48
4000	5440	720/750	8L32/40	P1	TA	MGO /MDO/HFO	48
4500	6120	720/750	9L32/40	P1	TA	MGO /MDO/HFO	48
6000	8160	720/750	12V32/40	P1	TA	MGO /MDO/HFO	49
7000	9520	720/750	14V32/40	P1	TA	MGO /MDO/HFO	49
8000	10880	720/750	16V32/40	P1	TA	MGO /MDO/HFO	49
9000	12240	720/750	18V32/40	P1	TA	MGO /MDO/HFO	49

Auxiliary Products

kW	RPM	Engine Model	Power Rating	Aspiration	Power output size	Governor Method	Gen-set Power kW/KVA	Page
17.5	1500	WP2.1CD18E1	PRP	NA	SAE4/7.5	Mechanical	12/15	52
22	1500	WP2.5CD22E1	PRP	NA	SAE4/7.5	Mechanical	16/20	52
33.3	1500	WP3.9CD33E1	PRP	NA	SAE3/10	Mechanical	24/30	52
38	1500	WP4.3CD38E1	PRP	NA	SAE3/10	Mechanical	30/38	52
30	1500	D226B-3CD	PRP	NA	SAE3/11.5	Mechanical/ Electronic	24/30	53
40	1500	TD226B-3CD	PRP	T	SAE3/11.5	Mechanical/ Electronic	34/43	53
60	1500	WP4CD66E200	PRP	T	SAE3/11.5	Mechanical/ Electronic	50/63	54
90	1500	WP4CD100E200	PRP	TA	SAE3/11.5	Mechanical/ Electronic	75/94	54
120	1500	WP6CD132E200	PRP	TA	SAE1/11.5	Mechanical/ Electronic	100/125	55
138	1500	WP6CD152E200	PRP	TA	SAE1/11.5	Mechanical/ Electronic	120/150	55
182	1500	WP10CD200E200	PRP	TA	SAE1/11.5	Mechanical/ Electronic	150/188	56
216	1500	WP10CD238E200	PRP	TA	SAE1/11.5	Mechanical/ Electronic	180/225	56
240	1500	WP10CD264E200	PRP	TA	SAE1/11.5	Mechanical/ Electronic	200/250	56
288	1500	WP12CD317E200	PRP	TA	SAE1/11.5	Mechanical/ Electronic	250/313	57
350	1500	WP13CD385E200	PRP	TA	SAE1/14	Mechanical/ Electronic	300/375	58
36	1800	D226B-3CD1	PRP	NA	SAE3/11.5	Mechanical/ Electronic	30/38	53
50	1800	TD226B-3CD1	PRP	T	SAE3/11.5	Mechanical/ Electronic	40/50	53
60	1800	WP4CD66E201	PRP	T	SAE3/11.5	Mechanical/ Electronic	50/63	54
90	1800	WP4CD100E201	PRP	TA	SAE3/11.5	Mechanical/ Electronic	75/94	53
108	1800	WP4CD118E201	PRP	TA	SAE3/11.5	Electronic	90/113	54

Auxiliary Products

kW	RPM	Engine Model	Power Rating	Aspiration	Power output size	Governor Method	Gen-set Power kW/KVA	Page
120	1800	WP6CD132E201	PRP	TA	SAE1/11.5	Mechanical/ Electronic	100/125	55
144	1800	WP6CD158E201	PRP	TA	SAE1/11.5	Mechanical/ Electronic	120/150	55
182	1800	WP10CD200E201	PRP	TA	SAE1/11.5	Mechanical/ Electronic	150/188	56
216	1800	WP10CD238E201	PRP	TA	SAE1/11.5	Mechanical/ Electronic	180/225	56
240	1800	WP10CD264E201	PRP	TA	SAE1/11.5	Mechanical/ Electronic	200/250	56
288	1800	WP12CD317E201	PRP	TA	SAE1/11.5	Mechanical/ Electronic	250/313	57
350	1800	WP13CD385E201	PRP	TA	SAE1/14	Mechanical/ Electronic	300/375	58
402	1800	WP13CD442E201	PRP	TA	SAE1/14	Mechanical/ Electronic	350/438	58

Weichai Generator Sets

kW	Model	Frequency	Voltage	Engine			Page
		Hz	V	Engine Model	kW	RPM	
12	CCFJ12J-W*	50	400	WP2.1CD18E1	17.5	1500	62
16	CCFJ16J-W*	50	400	WP2.5CD22E1	22	1500	62
20	CCFJ20J-W*	50	400	WP3.9CD33E1	33	1500	62
24	CCFJ24J-W*	50	400	WP3.9CD33E1	33	1500	62
30	CCFJ30J-W*	50	400	WP4.3CD38E1	38	1500	62
24	CCFJ24J-W*	50	400	D226B-3CD	30	1500	63
24	CCFJ24J-W*	60	440	D226B-3CD1	36	1800	63
30	CCFJ30J-W*	50	400	TD226B-3CD	40	1500	63
30	CCFJ30J-W*	60	440	D226B-3CD1	36	1800	63
40	CCFJ40J-W*	60	440	TD226B-3CD1	50	1800	63
40	CCFJ40J-W*	50	400	WP4CD66E200	60	1500	64
50	CCFJ50J-W*	50	400	WP4CD66E200	60	1500	64
50	CCFJ50J-W*	60	440	WP4CD66E201	60	1800	64
64	CCFJ64J-W*	50	400	WP4CD100E200	90	1500	64
64	CCFJ64J-W*	60	440	WP4CD100E201	90	1800	64
75	CCFJ75J-W*	50	400	WP4CD100E200	90	1500	64
75	CCFJ75J-W*	60	440	WP4CD100E201	90	1800	64
90	CCFJ90J-W*	60	440	WP4CD118E201	108	1800	64
90	CCFJ90J-W*	50	400	WP6CD132E200	120	1500	65
100	CCFJ100J-W*	50	400	WP6CD132E200	120	1500	65
100	CCFJ100J-W*	60	440	WP6CD132E201	120	1800	65
120	CCFJ120J-W*	50	400	WP6CD152E200	138	1500	65
120	CCFJ120J-W*	60	440	WP6CD158E201	144	1800	65
150	CCFJ150J-W*	50	400	WP10CD200E200	182	1500	66
150	CCFJ150J-W*	60	440	WP10CD200E201	182	1800	66
180	CCFJ180J-W*	50	400	WP10CD238E200	216	1500	66
180	CCFJ180J-W*	60	440	WP10CD238E201	216	1800	66

Weichai Generator Sets

kW	Model	Frequency	Voltage	Engine			Page
		Hz	V	Engine Model	kW	RPM	
200	CCFJ200J-W*	50	400	WP10CD264E200	240	1500	66
200	CCFJ200J-W*	60	440	WP10CD264E201	240	1800	66
250	CCFJ250J-W*	50	400	WP12CD317E200	288	1500	67
250	CCFJ250J-W*	60	440	WP12CD317E201	288	1800	67
300	CCFJ300J-W*	50	400	WP13CD385E200	350	1500	68
300	CCFJ300J-W*	60	440	WP13CD385E201	350	1800	68
200	CCFJ200J-WD	50	400	R6160ZCD-2	235	1000	70
250	CCFJ250J-WD	50	400	R6160Z-1	280	1000	70
300	CCFJ300J-WD	50	400	X6170ZC-06	330	1000	71
400	CCFJ400J-WD	50	400	8170ZC	441	1000	72
500	CCFJ500J-N	50	400	CW6200ZD	600	1000	73
500	CCFJ500J-NZ	50	400	CW6200ZD	600	1000	73
600	CCFJ600J-N	50	400	XCW6200ZD-1	720	1000	73
700	CCFJ700J-N	50	400	CW8200ZD	800	1000	74
800	CCFJ800J-N	50	400	XCW8200ZD-1	800	1000	74
900	CCFJ900J-N	50	400	XCW8200ZD-10	1030	1000	74
900	CCFJ900J-NZ	60	440	CW12V200ZD-2	1080	900	75
1000	CCFJ1000J-N	50	400	CW12V200ZD	1200	1000	75
1250	CCFJ1250J-NZ	50	400	XCW12V200ZD-1	1440	1000	75
1500	CCFJ1500J-N	50	400	CW16V200ZD	1760	1000	76
1280	CCFJ1280J-3	50	400	CW6250ZLD	1470	1000	77
1100	CCFJ1100J-3	60	440	CW6250ZLD-2	1323	900	77
1700	CCFJ1700J-3	50	400	CW8250ZLD	1960	1000	78
1500	CCFJ1500J-3	60	440	CW8250ZLD-2	1760	900	78

Baudouin Generator Sets

COP		PRP		Model	Frequency	Page
kWe	kVA	kWe	kVA		Hz	
304	380	336	420	6M26.2	50	69
344	430	344	430	6M26.2	60	69
400	500	440	550	8M26.2	50	69
464	580	464	580	8M26.2	60	69
613	765	676	845	12M26.2	50	69
700	875	700	875	12M26.2	60	69

Weichai - Man Generator Sets

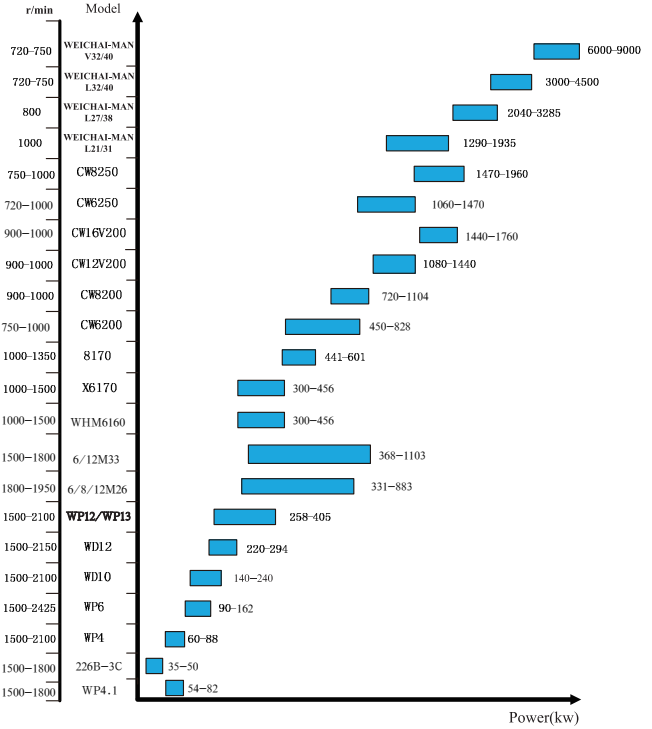
Generator kW	Model	Speed r/min	Engine kW	Fuel	Page
428/475	5L16/24	1000/1200	450/500	MGO /MDO/HFO	79
542/627	6L16/24	1000/1200	570/660	MGO /MDO/HFO	79
632/732	7L16/24	1000/1200	665/770	MGO /MDO/HFO	79
722/836	8L16/24	1000/1200	760/880	MGO /MDO/HFO	79
812/941	9L16/24	1000/1200	855/990	MGO /MDO/HFO	79
950	5L21/31	900/1000	1000	MGO /MDO/HFO	80
1254	6L21/31	900/1000	1320	MGO /MDO/HFO	80
1463	7L21/31	900/1000	1540	MGO /MDO/HFO	80
1672	8L21/31	900/1000	1760	MGO /MDO/HFO	80
1881	9L21/31	900/1000	1980	MGO /MDO/HFO	80
1440/1536	5L27/38	720/750	1500/1600	MDO/HFO	81
1900	6L27/38	720/750	1980	MDO/HFO	81
2218	7L27/38	720/750	2310	MDO/HFO	81
2534	8L27/38	720/750	2640	MDO/HFO	81
2851	9L27/38	720/750	2970	MDO/HFO	81
2016	6L27/38	720/750	2100	MGO	81
2352	7L27/38	720/750	2450	MGO	81
2688	8L27/38	720/750	2800	MGO	81
3024	9L27/38	720/750	3150	MGO	81
2895	6L32/40	720/750	3000	MGO /MDO/HFO	82
3380	7L32/40	720/750	3500	MGO /MDO/HFO	82
3860	8L32/40	720/750	4000	MGO /MDO/HFO	82
4345	9L32/40	720/750	4500	MGO /MDO/HFO	82
5820	12V32/40	720/750	6000	MGO /MDO/HFO	83
6790	14V32/40	720/750	7000	MGO /MDO/HFO	83
7760	16V32/40	720/750	8000	MGO /MDO/HFO	83
8730	18V32/40	720/750	9000	MGO /MDO/HFO	83

Marine Propulsion Engines

Full Range of Weichai marine engine line

Bore from 105 to 320mm, displacement from 3 to 580 liters, power range from 48 to 12,240 HP.

Power Map



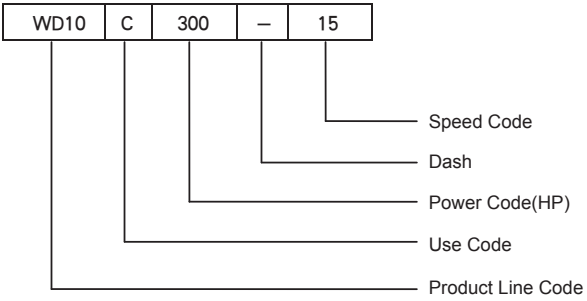


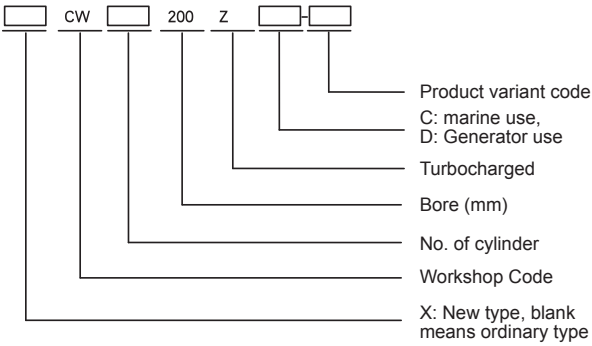
Table 1 Speed Code—Medium-speed Engine

Code	1	2	3	4	5	6	7	8	9
Speed(r/min)	1000	1200	1350	1500	850	720	750	800	900

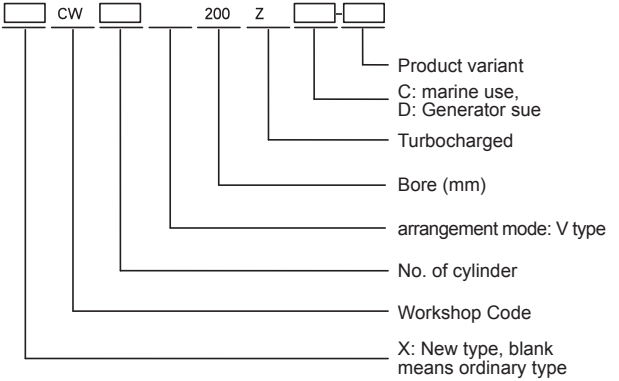
Table 2 Speed Code—High-speed Engine

Code	15	18	21	23	25	6	7	8	9
Speed(r/min)	1500	1800	2100or2150	2300	2500	720	750	800	900

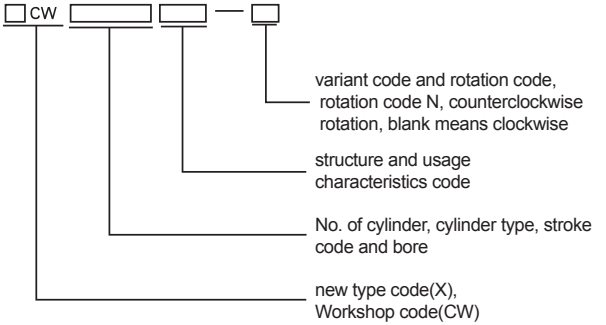
Inline CW200 engine model



V type CW200 engine model



CW250 Series



Main Propulsion

General Specifications

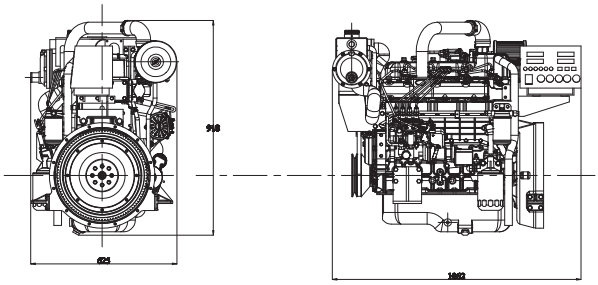
Configuration - In line,4-stroke diesel Aspiration ---------- T
Fuel system ---- Mechanical Pump Bore & Stroke ---------- 105×118mm
Displacement ---------- 4.09L Min. fuel consumption - 212g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
WP4.1C54-15	54	40	1500	P1	/
WP4.1C68-15	68	50	1500	P1	/
WP4.1C82-18	82	60	1800	P1	/

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP4.1	1062	625	918	/	400



Main Propulsion

General Specifications

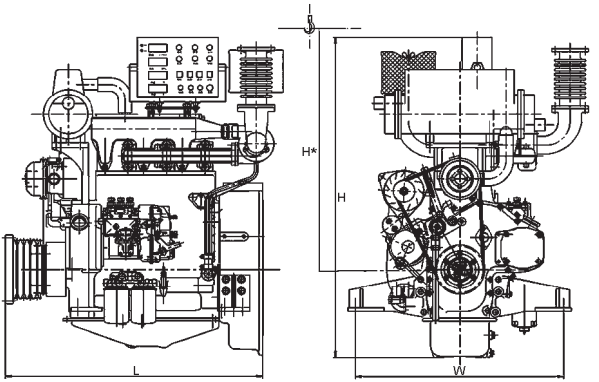
Configuration - In line,4-stroke diesel Aspiration ---------- NA/T
Fuel system ---- Mechanical Pump Bore & Stroke --------- 105×120 mm
Displacement ---------- 3.12L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
D226B-3C1	48	35	1800	P1	CCS,BV,RS, RRR,KR,VR,RINA
TD226B-3C	54	40	1500	P1	
TD226B-3C1	68	50	1800	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
226B-3C	890	694	1066	500	460



Main Propulsion

General Specifications

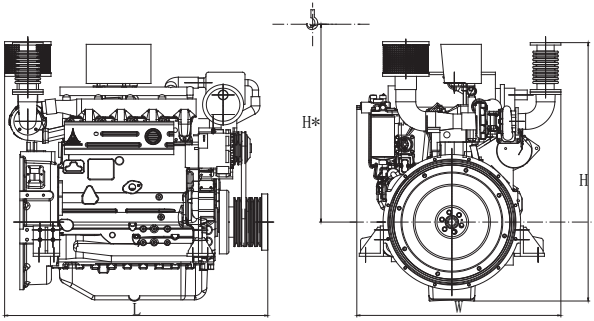
Configuration - In line,4-stroke diesel Aspiration ---------- T/TA
Fuel system ---- Mechanical Pump Bore & Stroke ---------- 105×130 mm
Displacement ---------- 4.5L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
WP4C82-15	82	60	1500	P1	CCS,BV,RS, RRR,KR,VR,RINA
WP4C95-18	95	70	1800	P1	
WP4C102-21	102	75	2100	P1	
WP4C120-18	120	88	1800	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP4	1058	820	1061	500	600



Main Propulsion

General Specifications

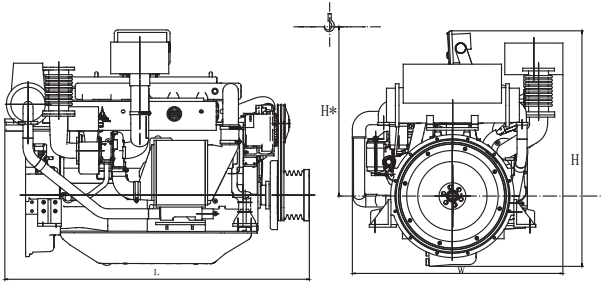
Configuration - In line,4-stroke diesel Aspiration ---------- T/TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 105×130 mm
Displacement ---------- 6.75L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
WP6C122-15	122	90	1500	P1	CCS,BV,RS, RRR,KR,VR,RINA
WP6C142-18	142	105	1800	P1	
WP6C156-21	156	115	2100	P1	
WP6C150-15	150	110	1500	P1	
WP6C165-18	165	122	1800	P1	
WP6C185-21	185	136	2100	P1	
WP6C140-23	140	103	2300	P1	
WP6C163-23	163	120	2300	P1	
WP6C198-23	198	145	2300	P1	
WP6C220-23	220	162	2300	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP6	1185	744	1083	750	700-750



Main Propulsion

General Specifications

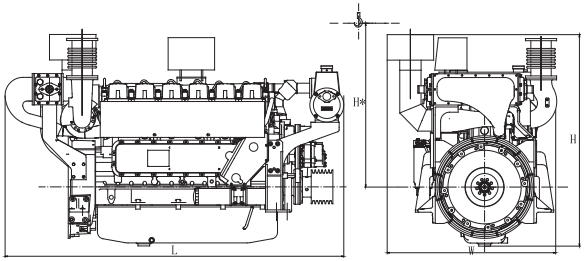
Configuration - In line,4-stroke diesel Aspiration ---------- T/TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 126×130 mm
Displacement ---------- 9.726L Min. fuel consumption - 198g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
WD10C190-15	190	140	1500	P1	CCS,BV,RS, RRR,KR,VR,RINA
WD10C218-15	218	160	1500	P1	
WD10C240-15	240	176	1500	P1	
WD10C258-15	258	190	1500	P1	
WD10C278-15	278	205	1500	P1	
WD10C190-18	190	140	1800	P1	
WD10C240-18	240	176	1800	P1	
WD10C278-18	278	205	1800	P1	
WD10C312-18	312	230	1800	P1	
WD10C200-21	200	147	2100	P1	
WD10C278-21	278	205	2100	P1	
WD10C300-21	300	220	2100	P1	
WD10C326-21	326	240	2100	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WD10(Water Cooled Exhaust Manifold)	1514	878	1407	800	1056
WD10(TA)	1895	948	1176	800	1056
WD10(T)	1695	948	1176	800	1018



Main Propulsion

General Specifications

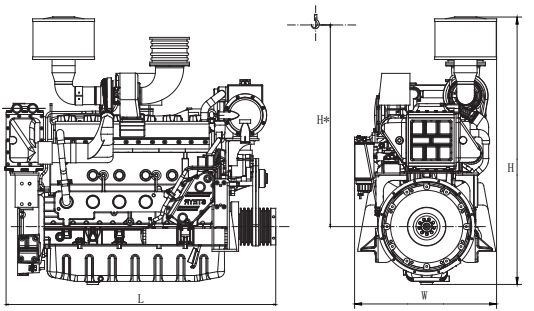
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 126×155 mm
Displacement ---------- 11.596L Min. fuel consumption - 198g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
WD12C300-15	300	220	1500	P1	CCS,BV,RS, RRR,KR,VR,RINA
WD12C327-15	327	240	1500	P1	
WD12C300-18	300	220	1800	P1	
WD12C327-18	327	240	1800	P1	
WD12C350-18	350	258	1800	P1	
WD12C375-21	375	275	2150	P1	
WD12C400-21	400	294	2150	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WD12	1534	807	1512	800	1100



Main Propulsion

General Specifications

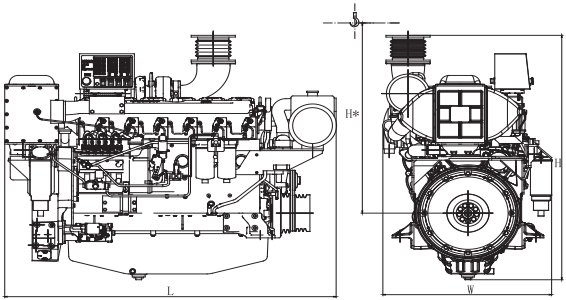
Configuration ------- In line,4-stroke diesel Aspiration ---------- TA
Fuel system - Mechanical Pump/Common Rail Bore & Stroke – 126×155/127×165mm
Displacement ---------- 11.596/12.54L Min. fuel consumption - 194g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
WP12C350-15	350	258	1500	P1	CCS,BV,RS, RRR,KR,VR,RINA
WP12C400-18	400	295	1800	P1	
WP12C450-21	450	330	2100	P1	
WP13C450-18	450	330	1800	P1	CCS
WP13C500-18	500	368	1800	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP12	1695	858	1385	800	1200
WP13	1583	841	1388	800	



Main Propulsion

General Specifications

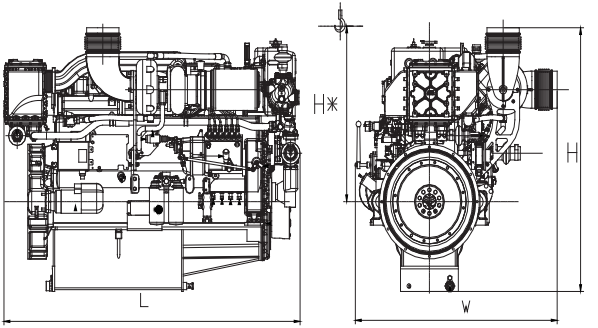
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 150×150 mm
Displacement ---------- 15.9L Min. fuel consumption - 198g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
6M26.2	450	331	1800	P1	CCS,BV,RS, LR,GL,RINA
6M26.2	500	368	1800	P1	
6M26.2	550	404	1900	P2	
6M26.2	600	442	1950	P2	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6M26	1880	1090	1365	1000	1785



Main Propulsion

General Specifications

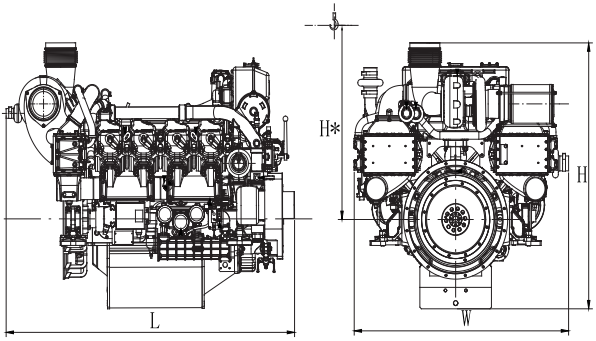
Configuration - V type,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 150×150 mm
Displacement ---------- 21.2L Min. fuel consumption - 213g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
8M26.2	600	442	1800	P1	CCS,BV,RS, LR,GL,RINA
8M26.2	668	491	1800	P1	
8M26.2	733	539	1900	P2	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
8M26	1884	1468	1464	1000	2475



Main Propulsion

General Specifications

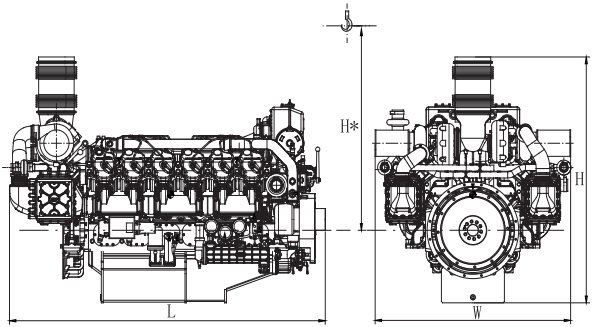
Configuration - V type,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 150×150 mm
Displacement ---------- 31.8L Min. fuel consumption - 198g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
12M26.2	900	662	1800	P1	CCS,BV,RS, LR,GL,RINA
12M26.2	1000	736	1800	P1	
12M26.2	1100	808	1900	P2	
12M26.2	1200	883	1950	P2	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
12M26	2446	1521	1461	1000	3400



Main Propulsion

General Specifications

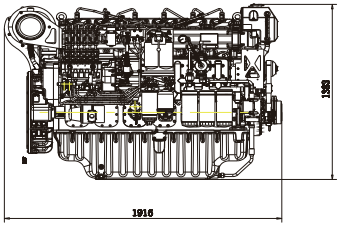
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke ------- 150×185 mm
Displacement ---------- 19.6L Min. fuel consumption - 198g/(kW.h)

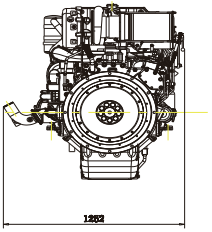
Model list

Model	HP	kW	RPM	Rating	Certificated
6M33C500-15	500	368	1500	P1	CCS, BV, RS, LR, GL, VR, RINA
6M33C550-15	550	405	1500	P1	
6M33C600-15	600	441	1500	P1	
6M33C650-15	650	478	1500	P2	
6M33C600-18	600	441	1800	P1	
6M33C650-18	650	478	1800	P1	
6M33C700-18	700	515	1800	P1	
6M33C750-18	750	551	1800	P2	
6M33C800-18	800	588	1800	P2	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6M33	1916	1252	1383	1000	2390





Main Propulsion

General Specifications

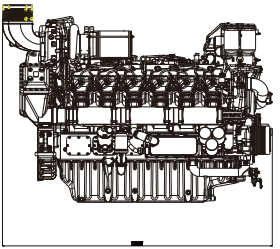
Configuration –V type,4-stroke diesel
Fuel system ---- Mechanical Pump
Displacement ----------39.2L
Aspiration ---------- TA
Bore & Stroke --------- 150×185 mm
Min. fuel consumption - 198g/(kW.h)

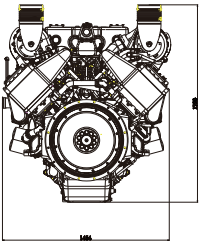
Model list

Model	HP	kW	RPM	Rating	Certificated
12M33C900-15	900	662	1500	P1	CCS, BV, RS, LR, GL, VR, RINA
12M33C1000-15	1000	735	1500	P1	
12M33C1100-15	1100	809	1500	P1	
12M33C1200-15	1200	882	1500	P1	
12M33C1300-15	1300	956	1500	P2	
12M33C1200-18	1200	882	1800	P1	
12M33C1300-18	1300	956	1800	P1	
12M33C1400-18	1400	1030	1800	P1	
12M33C1500-18	1500	1103	1800	P2	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
12M33	2352	1454	1720	1000	4500





Main Propulsion

General Specifications

Configuration –In line,4-stroke diesel
Fuel system ---- Mechanical Pump
Displacement ----------24L

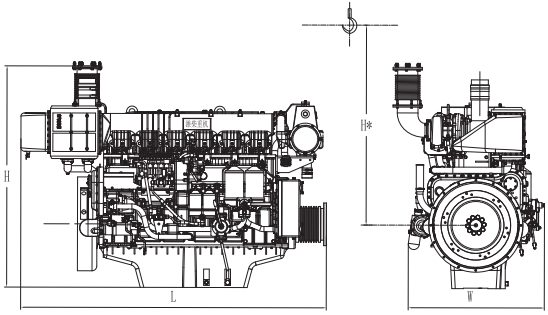
Aspiration ---------- TA
Bore & Stroke --------- 160×200 mm
Min. fuel consumption - 188g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
WHM6160C408-1	408	300	1000	P1	CCS, BV, RS, RRR, KR, VR, RINA
WHM6160C450-2	450	330	1200	P1	
WHM6160C490-2	490	360	1200	P1	
WHM6160C520-2	520	382	1200	P1	
WHM6160C550-5	550	405	1500	P1	
WHM6160C580-5	580	426	1500	P1	
WHM6160C620-5	620	456	1500	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WHM6160	2433	1105	1820	1400	3100



Main Propulsion

General Specifications

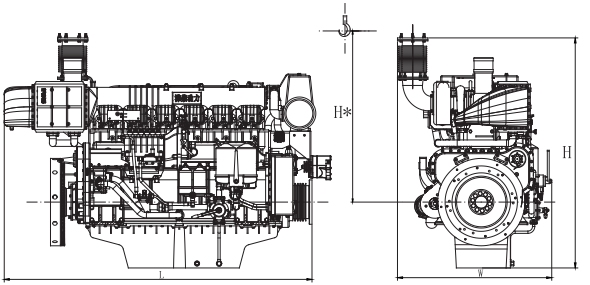
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 170×200 mm
Displacement ---------- 27.24L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
X6170ZC408-1	408	300	1000	P1	CCS,BV,RS, RRR,KR,VR,RINA
X6170ZC450-1	450	330	1000	P1	
X6170ZC450-2	450	330	1200	P1	
X6170ZC480-2	480	353	1200	P1	
X6170ZC500-2	500	368	1200	P1	
X6170ZC520-2	520	382	1200	P1	
X6170ZC540-2	540	397	1200	P1	
X6170ZC580-3	580	426	1350	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
X6170ZC	2463	1200	1650	1400	3100



Main Propulsion

General Specifications

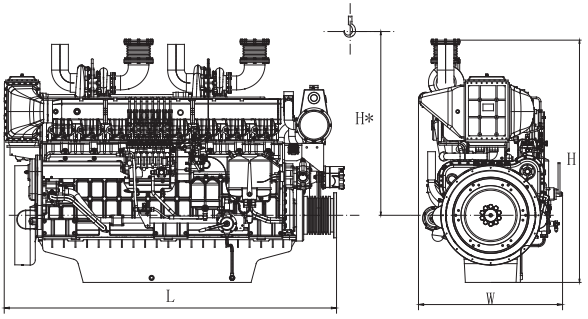
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 170×200 mm
Displacement ---------- 36.32L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
8170ZC600-1	600	441	1000	P1	CCS,VR,RRR, KR
8170ZC720-2	720	530	1200	P1	
8170ZC818-3	818	601	1350	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
8170	2577	1117	1884	1400	3800



Main Propulsion

General Specifications

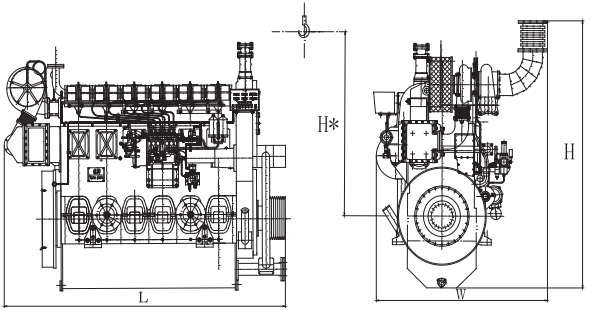
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 200×270 mm
Displacement ---------- 50.89L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
XCW6200ZC-5	734	540	750	P1	CCS,BV,RS, RRR,KR,VR,RINA
XCW6200ZC-51	816	600	750	P1	
CW6200ZC	816	600	1000	P1	
CW6200ZC-5	734	540	900	P1	
CW6200ZC-7	612	450	750	P1	
XCW6200ZC	949	698	1000	P1	
XCW6200ZC-1	979	720	1000	P1	
XCW6200ZC-4	881	648	900	P1	
XCW6200ZC-10	1102	810	1000	P1	
XCW6200ZC-2	1126	828	1000	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
CW6200	2828	1736	2412	2000	6300-6500



Main Propulsion

General Specifications

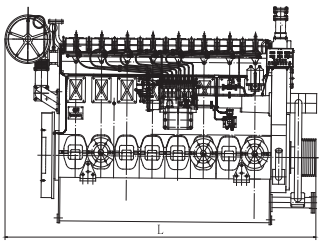
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 200×270 mm
Displacement ---------- 67.856L Min. fuel consumption - 200g/(kW.h)

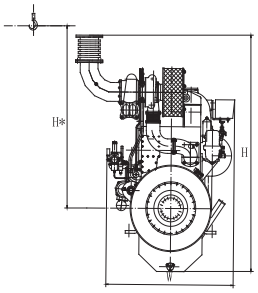
Model list

Model	HP	kW	RPM	Rating	Certificated
CW8200ZC	1088	800	1000	P1	CCS,BV,RS, RRR,KR,VR,RINA
CW8200ZC-9	979	720	900	P1	
XCW8200ZC	1262	928	1000	P1	
XCW8200ZC-1	1306	960	1000	P1	
XCW8200ZC-4	1175	864	900	P1	
XCW8200ZC-10	1401	1030	1000	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
CW8200	3388	1736	2412	2000	7800





Main Propulsion

General Specifications

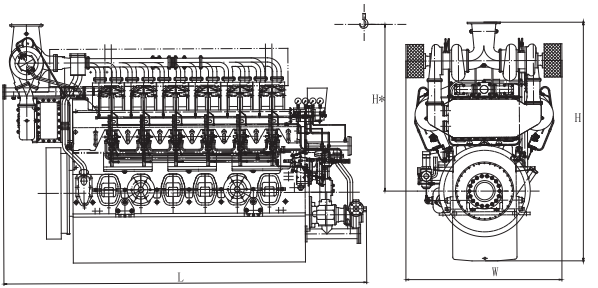
Configuration - V-type,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 200×270 mm
Displacement ---------- 101.784L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
CW12V200ZC	1632	1200	1000	P1	CCS,BV,RS, RRR,KR,VR,RINA
CW12V200ZC-2	1469	1080	900	P1	
XCW12V200ZC	1893	1392	1000	P1	
XCW12V200ZC-1	1958	1440	1000	P1	
XCW12V200ZC-4	1763	1296	900	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
CW12V200	3953	1700	2600	1830	10900



Main Propulsion

General Specifications

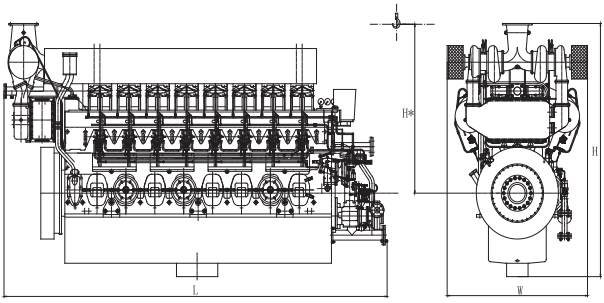
Configuration - V type,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 200×270 mm
Displacement ---------- 135.68L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
CW16V200ZC-8	1958	1440	900	P1	CCS,BV,RS, RRR,KR,VR,RINA
CW16V200ZC-6	2176	1600	1000	P1	
CW16V200ZC	2394	1760	1000	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
CW16V200	4603.5	1700	2745	1830	13680



Main Propulsion

General Specifications

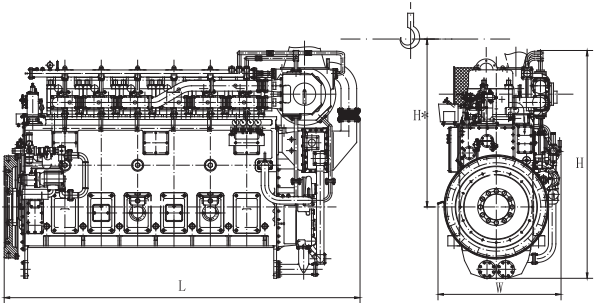
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 250×300 mm
Displacement ---------- 88.36L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
CW6250ZLC	1999	1470	1000	P1	CCS,BV,RS, RRR,KR,VR,RINA
CW6250ZLC-1	1500	1103	750	P1	
CW6250ZLC-2	1799	1323	900	P1	
CW6250ZLC-3	1442	1060	720	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
CW6250	3816	1369	2457	2600	12000



Main Propulsion

General Specifications

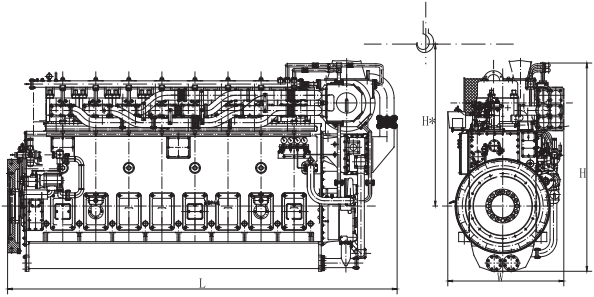
Configuration - In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 250×300 mm
Displacement ---------- 117.81L Min. fuel consumption - 200g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
CW8250ZLC	2666	1960	1000	P1	CCS,BV,RS, RRR,KR,VR,RINA
CW8250ZLC-2	2394	1760	900	P1	
CW8250ZLC-1	1999	1470	750	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
CW8250	4596	1369	2457	2600	15300



Main Propulsion

General Specifications

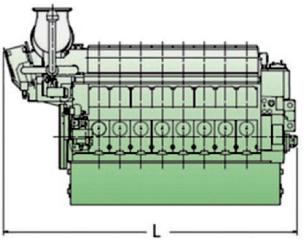
Configuration ------ In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Individual Injection Pump Bore & Stroke ----- 210×310 mm
Displacement --- 64.2/74.9/85.6/96.3L Min. fuel consumption - 189g/(kW.h)

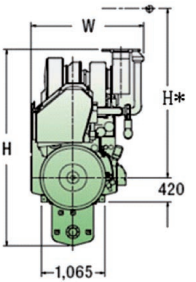
Model list

Model	HP	kW	RPM	Rating	Certificated
6L21/31	1754	1290	1000	P1	CCS,BV,RS, RRR,KR,VR,RINA
7L21/31	2047	1505	1000	P1	
8L21/31	2339	1720	1000	P1	
9L21/31	2632	1935	1000	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6L21/31	4544	3113	1695	2500	16000
7L21/31	4899	3267	1695	2500	17500
8L21/31	5245	3267	1820	2500	19000
9L21/31	5609	3267	1820	2500	20500





Main Propulsion

General Specifications

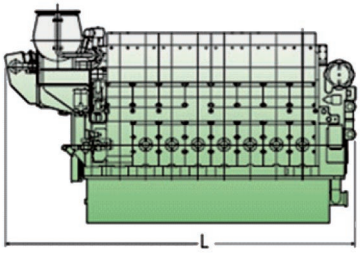
Configuration ------- In line,4-stroke diesel Aspiration ---------- TA
Fuel system ---- Individual Injection Pump Bore & Stroke ----- 270×380 mm
Displacement --- 130.8/152.6/174.4/196.2L Min. fuel consumption - 184g/(kW.h)

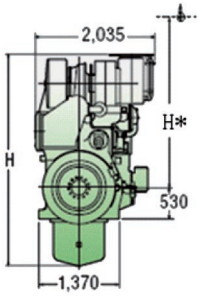
Model list

Model	HP	kW	RPM	Rating	Certificated
6L27/38	2774/2978	2040/2190	800	P1	CCS,BV,RS, RRR,KR,VR,RINA
7L27/38	3237/3475	2380/2555	800	P1	
8L27/38	3699/3971	2720/2920	800	P1	
9L27/38	4162/4468	3060/3285	800	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6L27/38	5070	2035	3555	2500	29000
7L27/38	5515	2035	3687	2500	32500
8L27/38	5960	2035	3687	2500	36000
9L27/38	6405	2035	3687	2500	39500





Main Propulsion

General Specifications

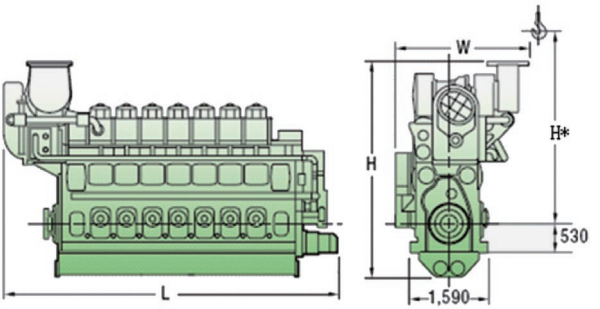
Configuration -------- In line,4-stroke diesel Aspiration ---------- TA
Fuel system ----- Individual Injection Pump Bore & Stroke ---- 320×400 mm
Displacement — 193.02/225.19/257.36/289.53L Min. fuel consumption - 182g/(kW.h)

Model list

Model	HP	kW	RPM	Rating	Certificated
6L32/40	4080	3000	720/750	P1	CCS,BV,RS, RRR,KR,VR,RINA
7L32/40	4760	3500	720/750	P1	
8L32/40	5440	4000	720/750	P1	
9L32/40	6120	4500	720/750	P1	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6L32/40	5940	2630	4010	3460	38000
7L32/40	6470	2630	4010	3460	42000
8L32/40	7000	2715	4490	3460	47000
9L32/40	7530	2715	4490	3460	51000



Main Propulsion

General Specifications

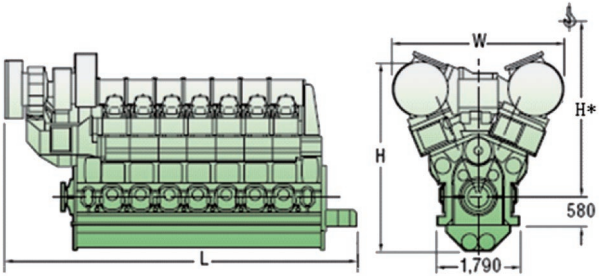
Configuration ---------- V-type,4-stroke diesel Aspiration ---------- TA
Fuel system ---------- Individual Injection Pump Bore & Stroke ----- 320×400 mm
Displacement — 386.04/450.38/514.72/579.06L Min. fuel consumption - 182g/(kW.h)

Model list

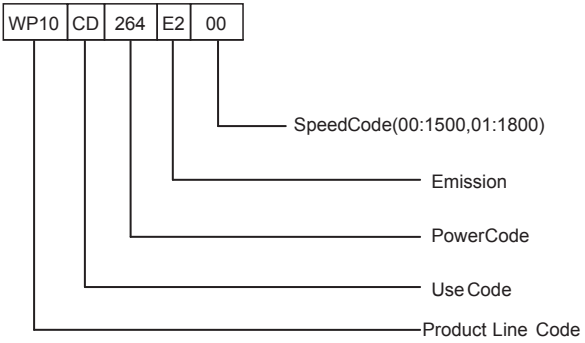
Model	HP	kW	RPM	Rating	Certificated
12V32/40	8160	6000	720/750	P1	CCS,BV,RS, RRR,KR,VR,RINA
14V32/40	9520	7000	720/750	P1	
16V32/40	10880	8000	720/750	P1	
18V32/40	12240	9000	720/750	P1	

Products Dimensions(mm)and Net Weight(kg)

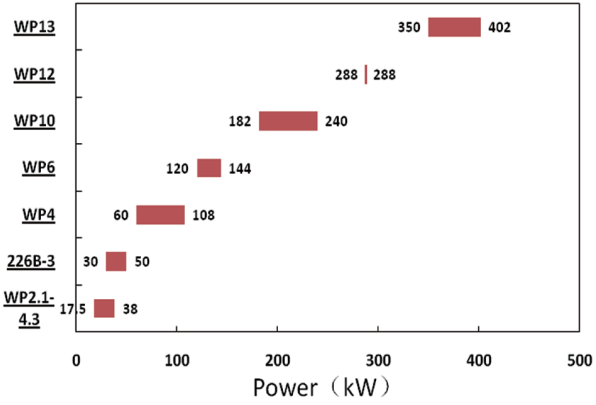
Model	L	W	H	H*	Net Weight
12V32/40	6915	3140	4100	3230	61000
14V32/40	7545	3140	4100	3230	68000
16V32/40	8365	3730	4420	3230	77000
18V32/40	8995	3730	4420	3230	85000



Marine Auxiliary Engines



Power Map



Marine Auxiliary

General Specifications

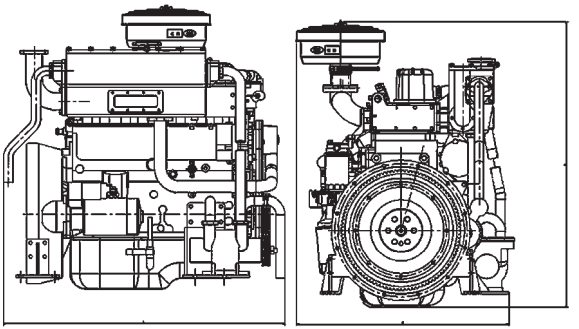
Configuration - In line,4-stroke diesel Aspiration ---------- NA
Fuel system ---- Mechanical Pump Bore & Stroke – 85/92,90/100,102/118,105/125
Displacement — 2.1L,2.5L,3.9L,4.3L Min. fuel consumption ------- 235g/(kW.h)

Model list

Model	kW	RPM	Rating	Gen-set power kW/KVA	Certificated
WP2.1CD18E1	17.5	1500	PRP	12/15	CCS
WP2.5CD22E1	22	1500	PRP	16/20	
WP3.9CD33E1	33.3	1500	PRP	24/30	
WP4.3CD38E1	38	1500	PRP	30/38	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP2.1	750	718	835	500	260
WP2.5	708	697	844	500	270
WP3.9	916	710	933	500	450
WP4.3	916	710	933	500	470



Marine Auxiliary

General Specifications

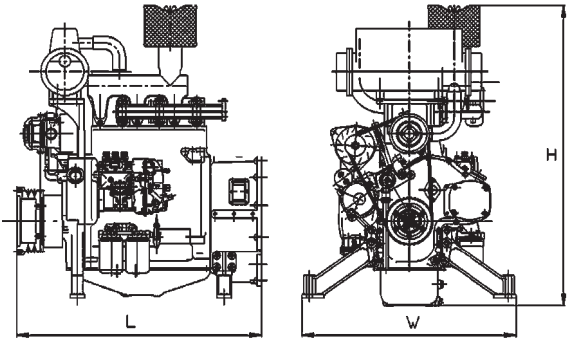
Configuration - In line,4-stroke diesel Aspiration ----------NA/T
Fuel system ---- Mechanical Pump Bore & Stroke --------- 105×120 mm
Displacement ---------- 3.12L Min. fuel consumption - 208g/(kW.h)

Model list

Model	kW	RPM	Rating	Gen-set power kW/KVA	Certificated
D226B-3CD	30	1500	PRP	24/30	CCS,BV,RS, RRR,KR,VR,RINA
TD226B-3CD	40	1500	PRP	34/43	
D226B-3CD1	36	1800	PRP	30/38	
TD226B-3CD1	50	1800	PRP	40/50	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
226B-3	846	739	1010	500	460



Marine Auxiliary

General Specifications

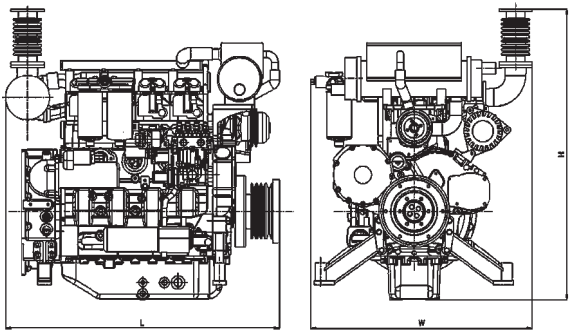
Configuration - In line,4-stroke diesel Aspiration ----------TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 105×130 mm
Displacement ---------- 4.5L Min. fuel consumption - 205g/(kW.h)

Model list

Model	kW	RPM	Rating	Gen-set power kW/KVA	Certificated
WP4CD66E200	60	1500	PRP	50/63	CCS,BV,RS, RRR,KR,VR,RINA
WP4CD100E200	90	1500	PRP	75/94	
WP4CD66E201	60	1800	PRP	50/63	
WP4CD100E201	90	1800	PRP	75/94	
WP4CD118E201	108	1800	PRP	90/113	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP4	1014	821	1057	500	650



Marine Auxiliary

General Specifications

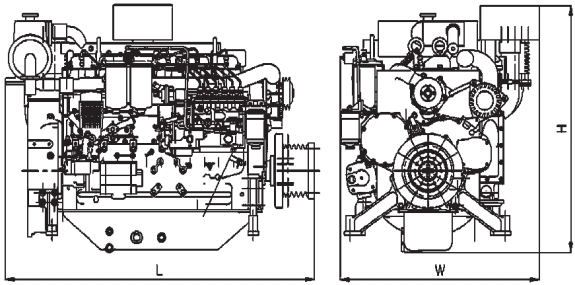
Configuration - In line,4-stroke diesel Aspiration ----------TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 105×130 mm
Displacement ---------- 6.75L Min. fuel consumption - 205g/(kW.h)

Model list

Model	kW	RPM	Rating	Gen-set power kW/KVA	Certificated
WP6CD132E200	120	1500	PRP	100/125	CCS,BV,RS, RRR,KR,VR,RINA
WP6CD152E200	138	1500	PRP	120/150	
WP6CD132E201	120	1800	PRP	100/125	
WP6CD158E201	144	1800	PRP	120/150	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP6	1370	883	1028	750	750



Marine Auxiliary

General Specifications

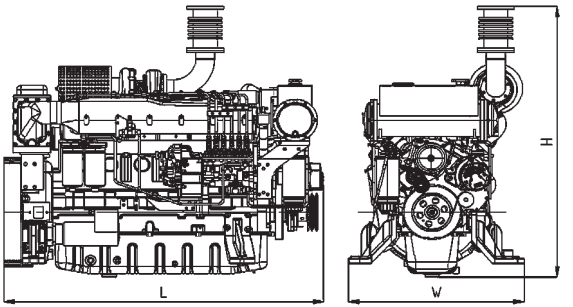
Configuration - In line,4-stroke diesel Aspiration ----------TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 126×130 mm
Displacement ---------- 9.726L Min. fuel consumption - 200g/(kW.h)

Model list

Model	kW	RPM	Rating	Gen-set power kW/KVA	Certificated
WP10CD200E200	182	1500	PRP	150/188	CCS,RS,RRR, KR,VR,RINA, GL,IRS
WP10CD238E200	216	1500	PRP	180/225	
WP10CD264E200	240	1500	PRP	200/250	
WP10CD200E201	182	1800	PRP	150/188	
WP10CD238E201	216	1800	PRP	180/225	
WP10CD264E201	240	1800	PRP	200/250	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP10	1519	834	1370	800	1056



Marine Auxiliary

General Specifications

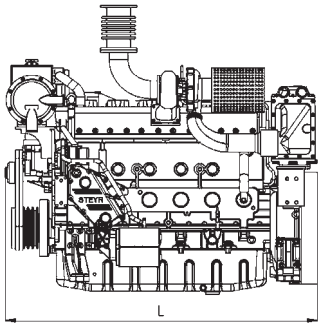
Configuration - In line,4-stroke diesel Aspiration ----------TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 126×155 mm
Displacement ---------- 11.596L Min. fuel consumption - 200g/(kW.h)

Model list

Model	kW	RPM	Rating	Gen-set power kW/KVA	Certificated
WP12CD317E200	288	1500	PRP	250/313	CCS,RS,RRR, KR,VR,RINA, IRS
WP12CD317E201	288	1800	PRP	250/313	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP12	1497	846	1424	800	1100



Marine Auxiliary

General Specifications

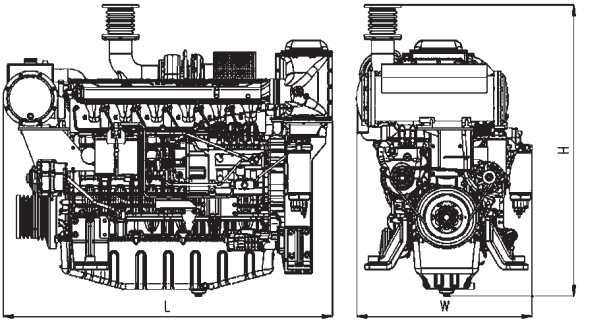
Configuration - In line,4-stroke diesel Aspiration ----------TA
Fuel system ---- Mechanical Pump Bore & Stroke --------- 127×165 mm
Displacement ---------- 12.54L Min. fuel consumption - 200g/(kW.h)

Model list

Model	kW	RPM	Rating	Gen-set power kW/KVA	Certificated
WP13CD385E200	350	1500	PRP	300/375	CCS,VR
WP13CD385E201	350	1800	PRP	300/375	
WP13CD442E201	402	1800	PRP	350/438	

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP13	1583	843	1388	800	1100

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Marine Generator Sets

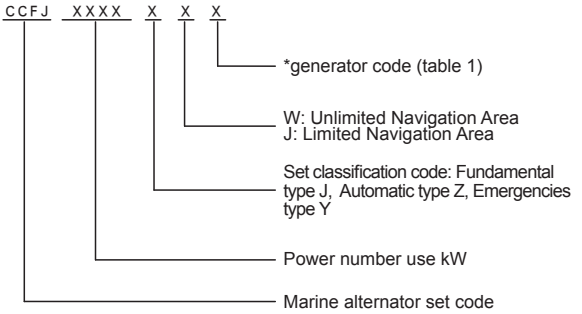
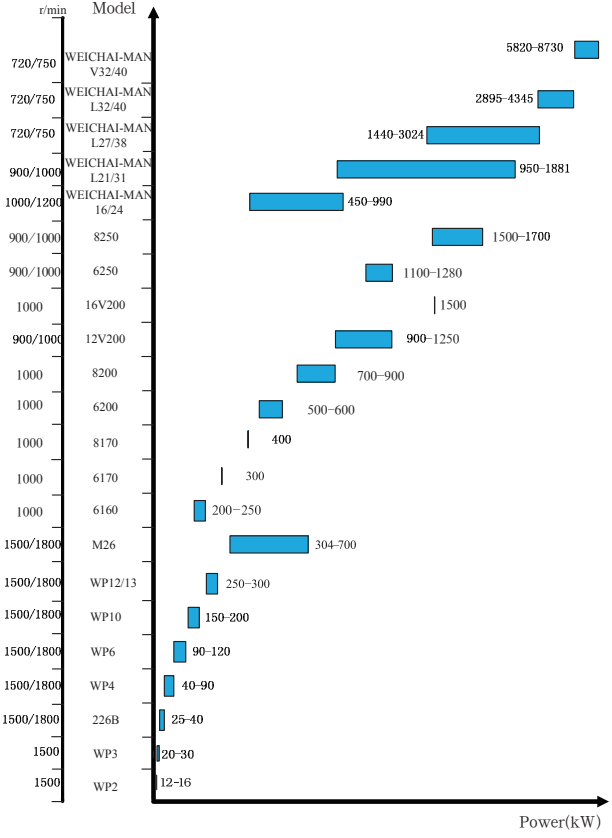


Table 1:

The letters stand for diesel engine series of marine generator and generator brands.

Diesel model / Generator brand	160/170	WP10/12/13	226B/WP4/6	WP2.5/3.9	M26
LAN DIAN	D	E	F	G	B
MARATHON	H	I	J	K	L
KANG FU	P	Q	R	S	M
STAMFORD	T	U	V	W	N
SIEMENS	X	Y	Z		P

Power Map


r/min
Model
720/750
WEICHAI-MAN V32/40
5820-8730
720/750
WEICHAI-MAN L32/40
2895-4345
720/750
WEICHAI-MAN L27/38
1440-3024
900/1000
WEICHAI-MAN L21/31
950-1881
1000/1200
WEICHAI-MAN 16/24
450-990
900/1000
8250
1500-1700
900/1000
6250
1100-1280
1000
16V200
1500
900/1000
12V200
900-1250
1000
8200
700-900
1000
6200
500-600
1000
8170
400
1000
6170
300
1000
6160
200-250
1500/1800
M26
304-700
1500/1800
WP12/13
250-300
1500/1800
WP10
150-200
1500/1800
WP6
90-120
1500/1800
WP4
40-90
1500/1800
226B
25-40
1500
WP3
20-30
1500
WP2
12-16
Power(kW)

Marine Genset

General Specifications

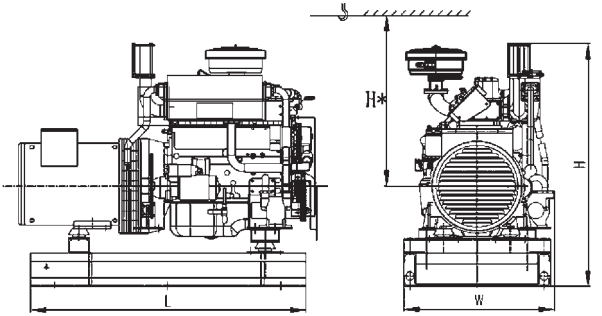
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ12J-W*	12	50	WP2.1CD18E1	17.5	1500
CCFJ16J-W*	16	50	WP2.5CD22E1	22	1500
CCFJ20J-W*	20	50	WP3.9CD33E1	33	1500
CCFJ24J-W*	24	50	WP3.9CD33E1	33	1500
CCFJ30J-W*	30	50	WP4.3CD38E1	38	1500

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
CCFJ12J-W*	1318	640	1115	500	467
CCFJ16J-W*	1240	700	1115	500	467
CCFJ20J-W*	1314	700	1165	500	480
CCFJ24J-W*	1314	700	1165	500	490
CCFJ30J-W*	1314	700	1165	500	500



Marine Genset

General Specifications

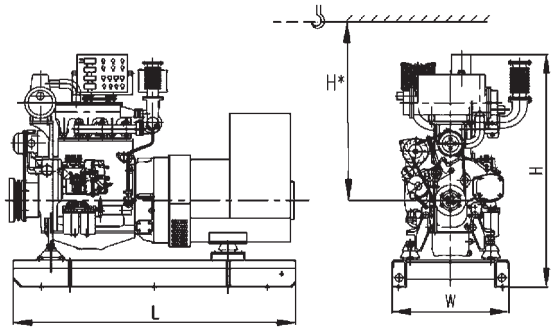
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ24J-W*	24	50	D226B-3CD	30	1500
CCFJ24J-W*	24	60	D226B-3CD1	36	1800
CCFJ30J-W*	30	50	TD226B-3CD	40	1500
CCFJ30J-W*	30	60	D226B-3CD1	36	1800
CCFJ40J-W*	40	60	TD226B-3CD1	50	1800

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
226B-3	1350	620	1012	500	760-810



Marine Genset

General Specifications

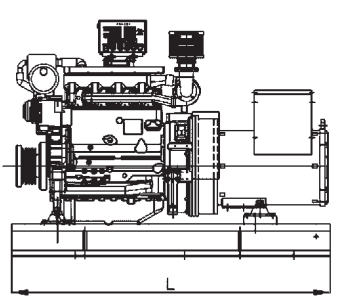
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

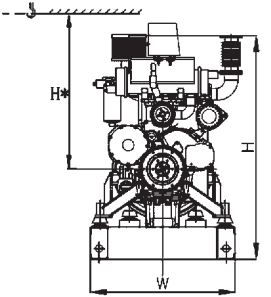
Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ40J-W*	40	50	WP4CD66E200	60	1500
CCFJ50J-W*	50	50	WP4CD66E200	60	1500
CCFJ50J-W*	50	60	WP4CD66E201	60	1800
CCFJ64J-W*	64	50	WP4CD100E200	90	1500
CCFJ64J-W*	64	60	WP4CD100E201	90	1800
CCFJ75J-W*	75	50	WP4CD100E200	90	1500
CCFJ75J-W*	75	60	WP4CD100E201	90	1800
CCFJ90J-W*	90	60	WP4CD118E201	108	1800

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP4	1750	798	1237	500	1000-1100





Marine Genset

General Specifications

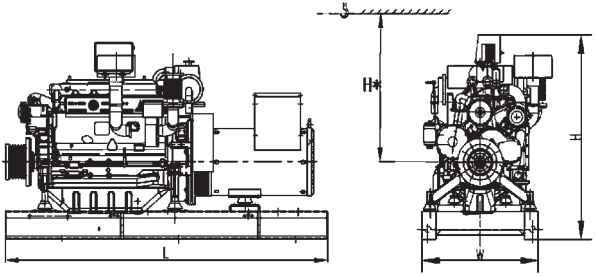
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ90J-W*	90	50	WP6CD132E200	120	1500
CCFJ100J-W*	100	50	WP6CD132E200	120	1500
CCFJ100J-W*	100	60	WP6CD132E201	120	1800
CCFJ120J-W*	120	50	WP6CD152E200	138	1500
CCFJ120J-W*	120	60	WP6CD158E201	144	1800

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP6	2212	798	1336	500	1390-1450



Marine Genset

General Specifications

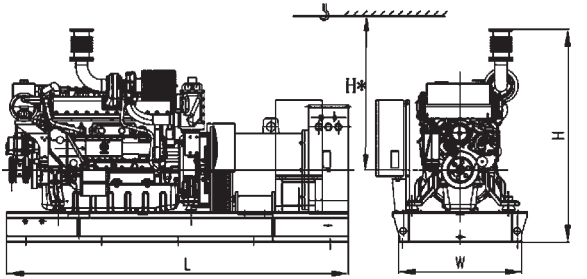
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ150J-W*	150	50	WP10CD200E200	182	1500
CCFJ150J-W*	150	60	WP10CD200E201	182	1800
CCFJ180J-W*	180	50	WP10CD238E200	216	1500
CCFJ180J-W*	180	60	WP10CD238E201	216	1800
CCFJ200J-W*	200	50	WP10CD264E200	240	1500
CCFJ200J-W*	200	60	WP10CD264E201	240	1800

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP10	2540	1000	1572	800	1950-2050



Marine Genset

General Specifications

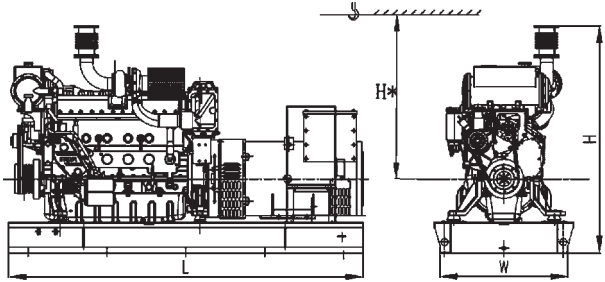
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ250J-W*	250	50	WP12CD317E200	288	1500
CCFJ250J-W*	250	60	WP12CD317E201	288	1800

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP12	2540	1000	1630	800	2500



Marine Genset

General Specifications

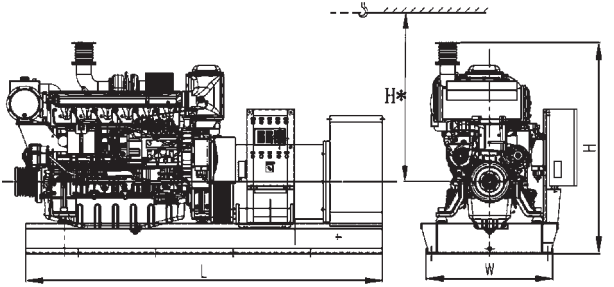
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ300J-W*	300	50	WP13CD385E200	350	1500
CCFJ300J-W*	300	60	WP13CD385E201	350	1800

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
WP13	2445	1000	1533	800	2650-2700



Marine Genset

General Specifications

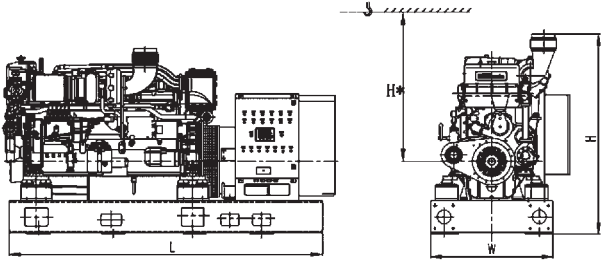
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

COP		PRP		Model	Frequency
kWe	kVA	kWe	kVA		Hz
304	380	336	420	6M26.2	50
344	430	344	430	6M26.2	60
400	500	440	550	8M26.2	50
464	580	464	580	8M26.2	60
613	765	676	845	12M26.2	50
700	875	700	875	12M26.2	60

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6M26.2	3043	1164	1414	1000	3550
8M26.2	2996	1482	1575	1000	4585
12M26.2	3878	1456	1575	1000	6130



Marine Genset

General Specifications

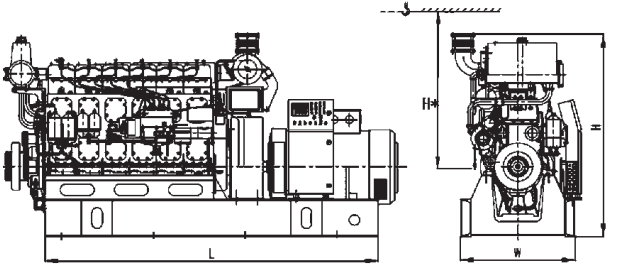
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ200J-WD	200	50	R6160ZCD-2	235	1000
CCFJ250J-WD	250	50	R6160Z-1	280	1000

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6160	3200	1100	1950	1400	5200



Marine Genset

General Specifications

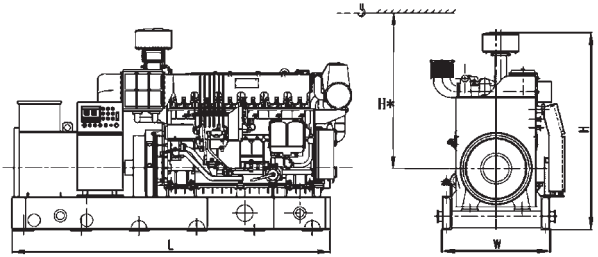
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ300J-WD	300	50	X6170ZC-013	330	1000

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6170	3085	1146	1920	1400	6900



Marine Genset

General Specifications

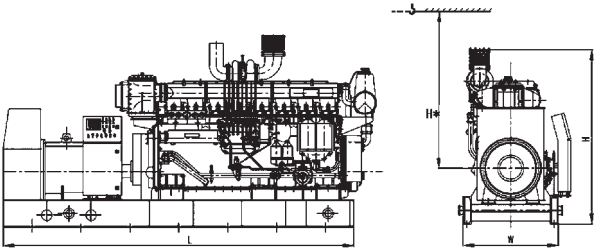
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ400J-WD	400	50	8170ZC	441	1000

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
8170	3900	1186	2030	1400	8200



Marine Genset

General Specifications

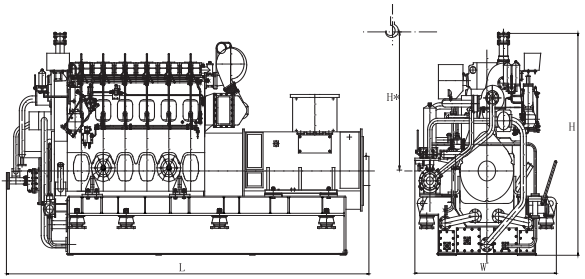
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ500J-N	500	50	CW6200ZD	600	1000
CCFJ500J-NZ	500	50	CW6200ZD	600	1000
CCFJ600J-N	600	50	XCW6200ZD-1	720	1000

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6200	4600	1800	2450	2000	12000



Marine Genset

General Specifications

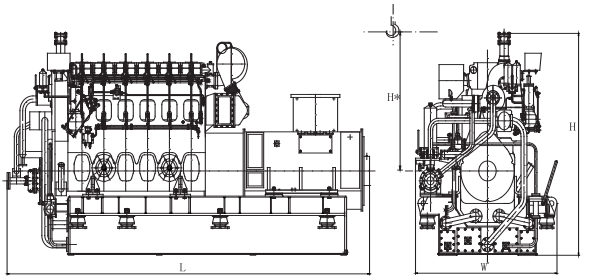
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ700J-3	700	50	CW8200ZD	800	1000
CCFJ800J-3	800	50	XCW8200ZD-1	960	1000
CCFJ900J-3	900	50	XCW8200ZD-10	1030	1000

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
8200	5300	2000	2500	2000	14000



Marine Genset

General Specifications

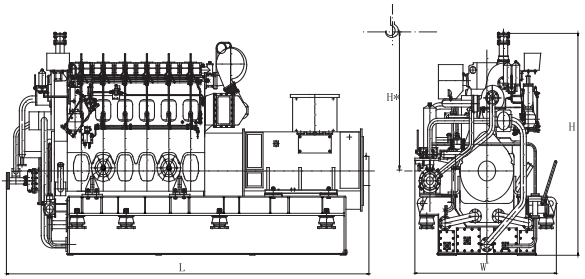
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ900J-NZ	900	60	CW12V200ZD-2	1080	900
CCFJ1000J-N	1000	50	CW12V200ZD	1200	1000
CCFJ1250J-N	1250	50	XCW12V200ZD-1	1440	1000

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
12V200	5520	1900	3000	2000	20000



CW16V200

Marine Genset

General Specifications

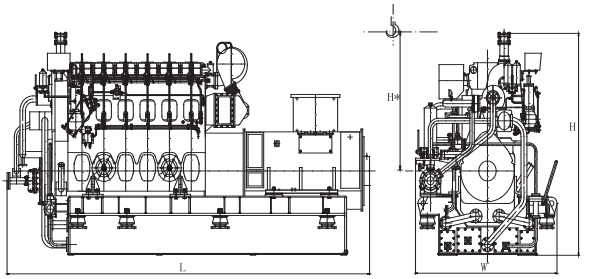
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ1500J-N	1500	50	CW16V200ZD	1760	1000

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
16V200	6500	1900	3000	2000	24500-25000



Marine Genset

General Specifications

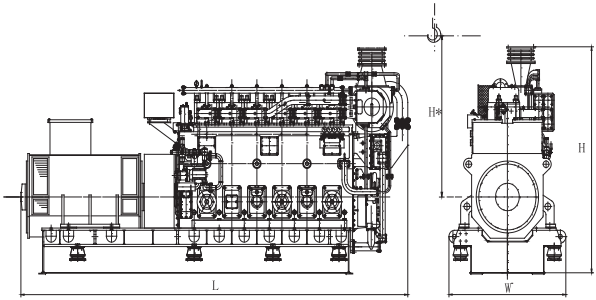
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ1280J-3	1280	50	CW6250ZLD	1470	1000
CCFJ1100J-3	1100	60	CW6250ZLD-2	1323	900

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
6250	6150	1820	3070	2600	23000
	6030	1820	3070	2600	22700



Marine Genset

General Specifications

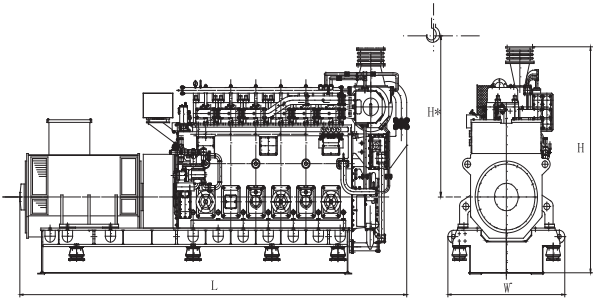
Type ---------- 3-Phase Brushless
Rated Voltage ---------- 400V/440V
Power Factor % ---------- 80

Model list

Generator			Engine		
Set Model	kW	Frequency Hz	Model	kW	rpm
CCFJ1700J-3	1700	50	CW8250ZLD	1960	1000
CCFJ1500J-3	1500	60	CW8250ZLD-2	1760	900

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	H*	Net Weight
8250	7000	1720	3250	2600	28500



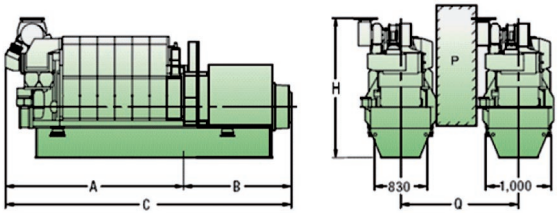
Marine Genset

Model list

Model	Engine power (kW)	rpm	Generator Power (kW)	Fuel
5L16/24	450/500	1000/1200	428/475	HFO,MDO,MGO
6L16/24	570/660	1000/1200	542/627	HFO,MDO,MGO
7L16/24	665/770	1000/1200	632/732	HFO,MDO,MGO
8L16/24	760/880	1000/1200	722/836	HFO,MDO,MGO
9L16/24	855/990	1000/1200	812/941	HFO,MDO,MGO

Products Dimensions(mm)and Net Weight(kg)

Model	A	B	C	H	Net weight
5L16/24	2807	1400	4207	2337	9500
6L16/24	3082	1490	4572	2337	10500
7L16/24	3557	1585	5142	2415/2337	11400
8L16/24	3832	1680	5512	2415	12400
9L16/24	4107	1680	5787	2415	13100



P Free passage between the engines, width 600 mm and height 2,000 mm
Q ~Min. distance between centre of engines: 1,800 mm

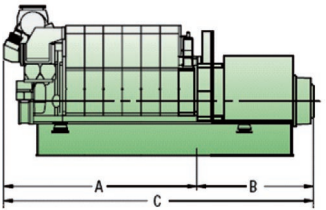
Marine Genset

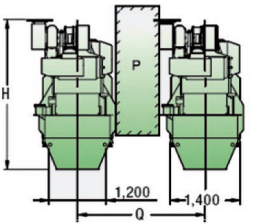
Model list

Model	Engine power (kW)	rpm	Generator Power (kW)	Fuel
5L21/31	1000	900/1000	950	HFO,MDO,MGO
6L21/31	1320	900/1000	1254	HFO,MDO,MGO
7L21/31	1540	900/1000	1463	HFO,MDO,MGO
8L21/31	1760	900/1000	1672	HFO,MDO,MGO
9L21/31	1980	900/1000	1881	HFO,MDO,MGO

Products Dimensions(mm)and Net Weight(kg)

Model	A	B	C	H	Net weight
5L21/31	3959	1870	5829	3183	22500
6L21/31	4314	2000	6314	3183	26000
7L21/31	4669	1970	6639	3289	29500
8L21/31	5572	2110	7682	3289	33000
9L21/31	5927	2135	8062	3289	36500





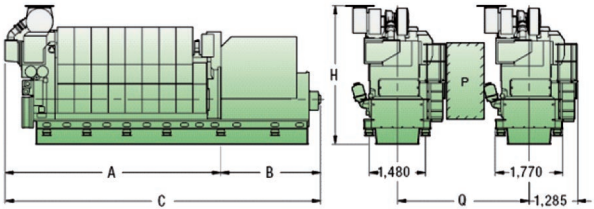
Marine Genset

Model list

Model	Engine power (kW)	rpm	Generator Power (kW)	Fuel
5L27/38	1500/1600	720/750	1440/1536	HFO,MDO
6L27/38	1980	720/750	1900	HFO,MDO
7L27/38	2310	720/750	2218	HFO,MDO
8L27/38	2640	720/750	2534	HFO,MDO
9L27/38	2970	720/750	2851	HFO,MDO
6L27/38	2100	720/750	2016	MGO
7L27/38	2450	720/750	2352	MGO
8L27/38	2800	720/750	2688	MGO
9L27/38	3150	720/750	3024	MGO

Products Dimensions(mm)and Net Weight(kg)

Model	A	B	C	H	Net weight
5L27/38	4346	2486	6832	3712	40000
6L27/38	4791	2766	7557	3712	44500
7L27/38	5236	2766	8002	3889	50400
8L27/38	5681	2986	8667	3889	58200
9L27/38	6126	2986	9112	3889	64700



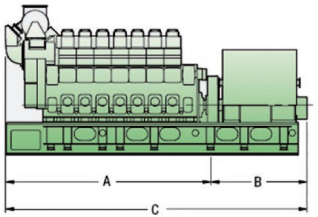
Marine Genset

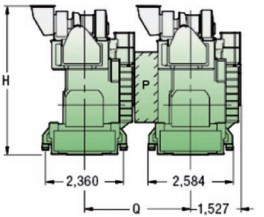
Model list

Model	Engine power (kW)	rpm	Generator Power (kW)	Fuel
6L32/40	3000	720/750	2895	HFO,MDO,MGO
7L32/40	3500	720/750	3380	HFO,MDO,MGO
8L32/40	4000	720/750	3860	HFO,MDO,MGO
9L32/40	4500	720/750	4345	HFO,MDO,MGO

Products Dimensions(mm)and Net Weight(kg)

Model	A	B	C	H	Net weight
6L32/40	6340	3415	9755	4622	75000
7L32/40	6870	3415	10285	4622	79000
8L32/40	7400	3635	11035	4840	87000
9L32/40	7930	3635	11565	4840	91000





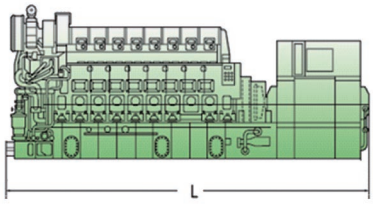
Marine Genset

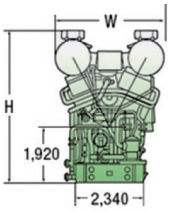
Model list

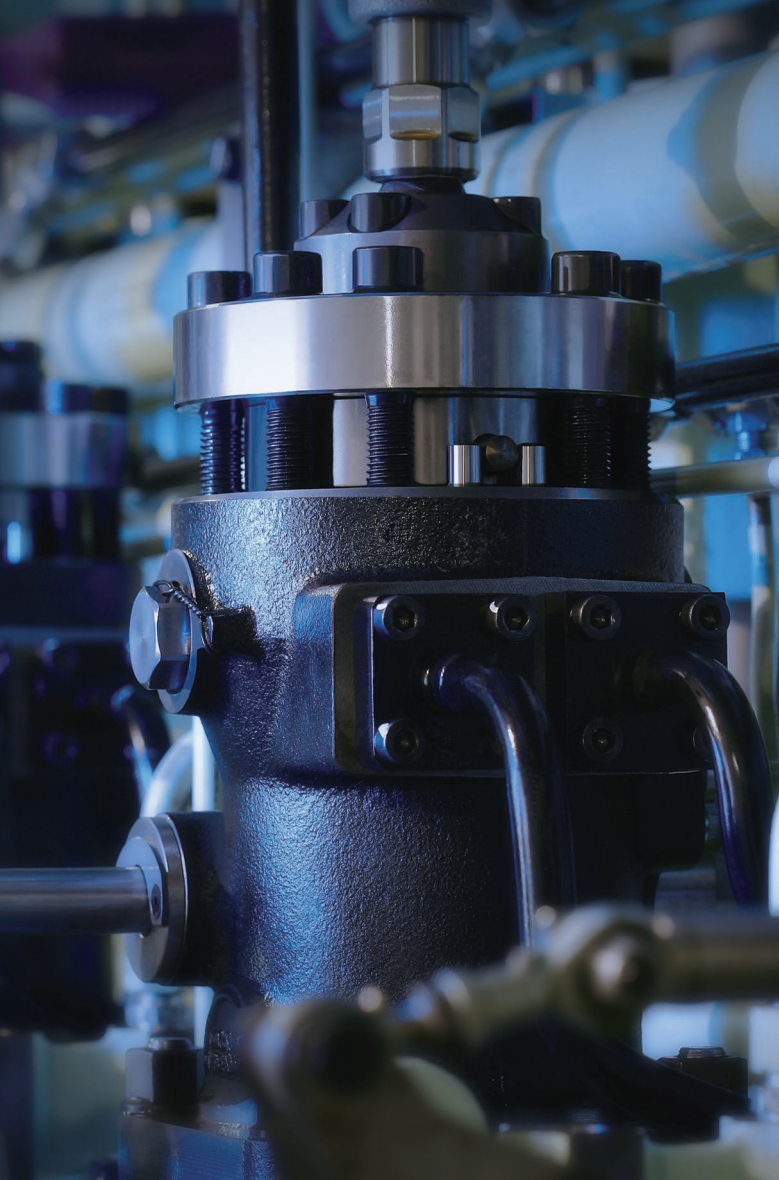
Model	Engine power (kW)	rpm	Generator Power (kW)	Fuel
12V32/40	6000	720/750	5820	HFO,MDO,MGO
14V32/40	7000	720/750	6790	HFO,MDO,MGO
16V32/40	8000	720/750	7760	HFO,MDO,MGO
18V32/40	9000	720/750	8730	HFO,MDO,MGO

Products Dimensions(mm)and Net Weight(kg)

Model	L	W	H	Net weight
12V32/40	11045	3365	4850	101000
14V32/40	11710	3365	4850	113000
16V32/40	12555	3730	5245	126000
18V32/40	13185	3730	5245	138000







Marine Gearbox

Selection Guidelines

1. Marine gear box has the function of reversing, clutch, slow and bear propeller thrust, match with the marine engine

2. Transmission capacity is the rated power divided by the rated speed. The gearbox can be chosen when the transmission capacity of the engine less than the recommended.

3. Rigid connection isn't allowed between gear box and engine. We recommend the brackets installed on the same rigid support.

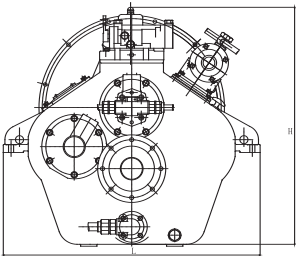
4. Weight is approximation,the weight of different reduction ratio will be different.

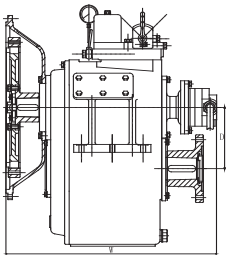
Recommend Selection

Engine Model	Gearbox Model
WP4 WP6	WHG120 WHG135 WHG170
WD10	WHG135 WHG242 WHG270
WD10 WD12	WHG300
WP12C	WHG300 WHG400
X170	WHG300 WHG400 WHG600
CW200/250	WHG600 WHG900 WHG1200,etc.

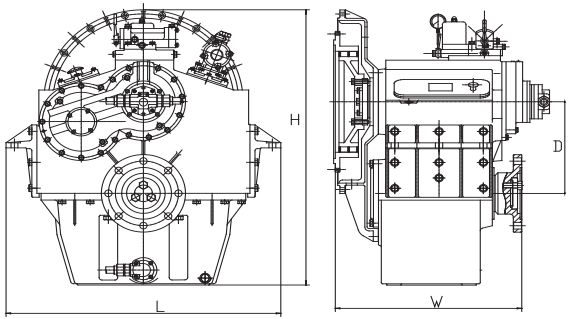
Marine Gearbox

Model	Input speed r/min	Ratio	kW/r/min	Rated thrust kN	Net Weight kg	Center distance mm	L mm	W mm	H mm
WHG120	750-2000	1,2,3	0.088	25	360	190	792	609	736
		3.7	0.07						
WHG120	1000-2500	1.5,2,2.5	0.1	25	225	180	792	609	736
		3	0.09						
		3.5	0.08						
WHG135	750-2000	2,2.5,3,3.5,4	0.1	30	510	225	792	584	800
		4.7	0.093						
		5	0.088						
		5.5	0.077						
		6	0.07						
WHG135	750-2000	2,2.5,3,3.5,4	0.115	30	512	225	792	584	800
		4.7	0.107						
		5	0.101						
		5.5	0.088						
		6	0.081						
WHG170	1000-2500	2,2.5,3,3.5,4	0.039	16	270	170	786	550	763
		4.5,5	0.031						
		5.5,6	0.027						
WHG242	1000-2500	3,3.5,4,4.5	0.103	30	390	242	786	550	763
		5	0.1						
		5.5	0.094						
		6	0.074						
WHG270	1000-2500	4,4.5,5	0.147	40	690	270	890	730	863
		5.5	0.134						
		6	0.11						
		6.5,7	0.088						



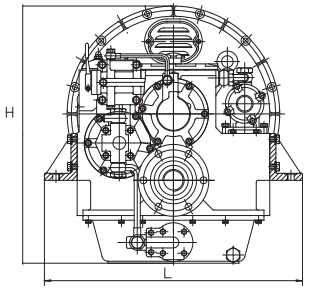


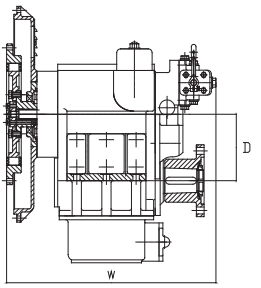
Model	Input speed r/min	Ratio	kW/r/min	Rated thrust kN	Net Weight kg	Center distance mm	L mm	W mm	H mm
WHG300	750-2500	2,2.5	0.257	50	720	264	930	807	890
		3	0.243						
		3.5	0.221						
		4,4.5	0.184						
		5	0.147						
		5.5	0.125						
WHG300	750-2500	2,2.5,3	0.282	60	722	264	980	770	1066
		3.5,4	0.257						
		4.5	0.243						
		5	0.221						
		5.5,6	0.184						
		6.5,7	0.147						
		7.5	0.125						
	750-2300	6,6.5,7	0.243	70	1120		980	772	1106
		7.5,8	0.221						



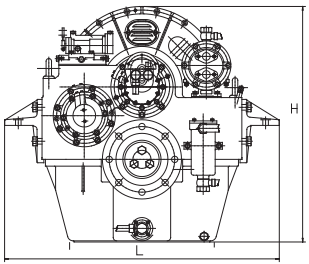
Marine Gearbox

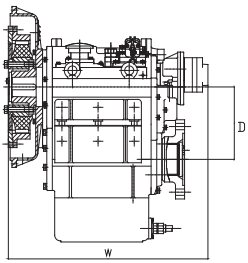
Model	Input speed r/min	Ratio	kW/r/min	Rated thrust kN	Net Weight kg	Center distance mm	L mm	W mm	H mm
WHG400	1000-1800	2,2.5,3,3.5	0.331	82	790	264	950	786	890
		4	0.279						
WHG400	1000-1800	4,4.3,4.5,4.7,5	0.331	82	910	355	1010	786	1066
		5.5	0.294						
		5.7,6	0.279						
WHG400	1000-2100	6,6.5,7,7.5	0.331	82	1150	375	1052	802	1163
		8	0.305						
		8.5	0.284						
		9	0.265						
		9.5	0.245						
WHG400	1000-2100	8,8.7,9.3	0.331	120	1500	465	1052	802	1163
		10	0.316						
		10.5	0.297						
		11.5	0.274						
		12	0.262						





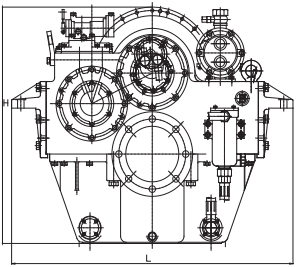
Model	Input speed r/min	Ratio	kW/r/min	Rated thrust kN	Net Weight kg	Center distance mm	L mm	W mm	H mm
WHG600	1000-1800	2,2.5,3	0.48	90	1200	320	1214	883	1128
		3.5	0.44						
		4	0.4						
WHG600	1000-1800	4,4.5	0.48	90	1300	415	1214	900	1271
		4.7	0.46						
		5,5.5	0.44						
		5.7,6	0.4						
WHG600	1000-2100	6	0.44	90	1600	415	1214	888	1222
		6.5	0.40						
		7,7.5	0.37						
		8	0.34						
		8.7	0.3						
		9.5	0.28						
WHG600	1000-2100	7,8.5	0.441	160	2000	500	1214	888	1222
		9	0.426						
		9.5	0.412						
		10	0.397						
		11	0.382						
		11.7	0.375						
		12.5	0.353						
		13.5,14.3	0.331						

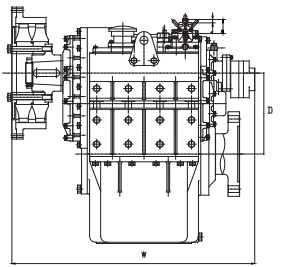




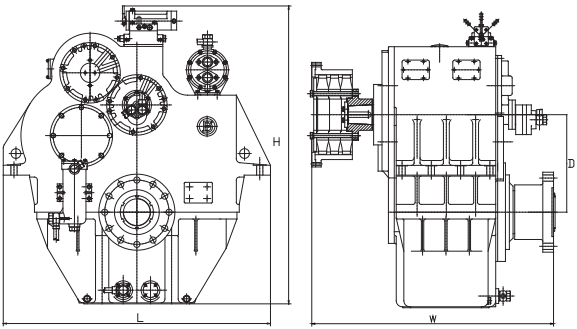
Marine Gearbox

Model	Input speed r/min	Ratio	kW/r/min	Rated thrust kN	Net Weight kg	Center distance mm	L mm	W mm	H mm
WHG900	750-1600	2,2.5,3,3.5	0.7	140	1600	335	1220	1065	1043
		4	0.629						
WHG900	750-1600	4,4.5,5	0.706	140	1800	450	1220	1085	1247
		5.5,5.7	0.629						
		6	0.6						
WHG900	1000-1800	5,5.7	0.8	140	2200	450	1250	1108	1367
		6	0.667						
		6.5	0.654						
		7	0.61						
		7.5	0.566						
		8	0.522						
WHG1200	750-1500	2.5,3,3.5,4,4.5	0.927	140	1850	450	1220	1180	1247
	1000-1800	6,6.5,7,7.5,8	1.014	160	3050	550	1370	1240	1530
		9	0.846						





Model	Input speed r/min	Ratio	kW/r/min	Rated thrust kN	Net Weight kg	Center distance mm	L mm	W mm	H mm
WHG1380	1000-1800	8	1.014	190	3950	680	930	807	890
		9	0.978						
		9.5	0.93						
		10	0.879						
		10.6	0.831						
		11.3	0.794						
		12	0.743				980	772	1106
		12.7	0.699						
		13.5	0.654						
		14.7	0.625						
		15.5	0.592						
		16.5	0.559						
		17.5	0.533						
		18	0.49						
WHG3235	400-1400	3	0.889	120	2400	0	1012	1517	1168



Propulsion system

In recent years, as the rapid developing pace of shipbuilding and the high requirement for the swift ship maintenance, the integration of power train leads the trend. Weichai has always dedicated itself to the providing of optimized and reasonable marine propulsion system domestically and globally. It fully masters the main technology of marine used propulsion system, and depending on self-developed matching software of gearbox and propeller it provides marine propulsion system with strong power and economy to customers.

According to the research need of actual engineering or new product and aiming at the specific engineering matching scheme, we combine ship or its practical application to conduct the detailed engineering design and calculation of power system and finish the tasks of choosing model of propulsion system, the matching analysis of marine propeller, the matching or design of propeller, and the vibration calculation of axis (torsional vibration and bending vibration) etc. As for specific marine model design, we first choose standard propeller, conduct matching analysis of marine propeller, and calculate each item performance. We specifically design propeller aiming to single ship if there is any necessity.

The research aiming at main propulsion system includes as follows,

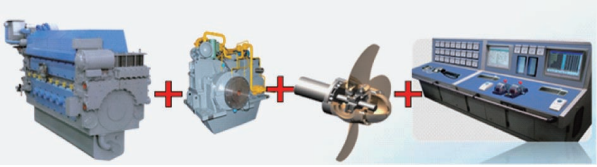
(1) Engine+ Gearbox+ Transmission shaft + fix-pitch propeller

(2) Engine+ Gearbox+ Transmission shaft + adjustable pitch propeller

(3) Engine+ Gearbox+ Transmission shaft + rudder propeller

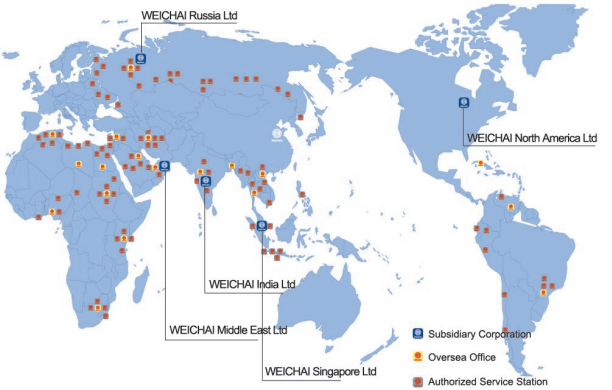
(4) Engine+ Gearbox+ Transmission shaft + side thruster

(5) Engine+ Gearbox+ Transmission shaft + equipment (water pump or oil pump)



International Service Network

Weichai has a broad market in 97 countries and regions in five continents. Recently, it has had an international service network covering the global operations with 30 overseas institutions and 217 service agencies, which proves that Weichai has the ability to provide services worldwide.



International Service Network

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The Commonwealth of Independent States	Russia	Wang Changcong	wangchangc@weichai.com
		Wu Wei	wuw@weichai.com
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	Azerbaijan		
	Kazakstan	Si Yuan	siy@weichai.com
	Tajikistan		
	Uzbekistan		
Southeast Asia	Singapore	Yang Zhaoxia	yangzhaox@weichai.com
	Malaysia		
	Thailand		
	Indonesia	Ding Wei	dingwei01@weichai.com
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	Peru		
	Chile		
	Brazil		
North America	America	Liu Haifeng	liuhf@weichai.com

Common Conversions and Abbreviations

Common Conversions

Power	Mass
1kW=1.360 PS	1g=0.035 oz
1kW=1.341 BHP	1kg=2.20 lb
1BHP=1.014 PS	1 metric ton=1.10 short ton

Length	Volume
1mm=0.03937 in	1L=0.264 US Gallon
1m=3.28 ft	1L=0.220 UK Gallon
1km=0.539 nautical mile	1 UK Gallon =1.201 US Gallon
1km=0.62 statute mile	

Torque	Temperature
1Nm=0.74lb ft	T (K)=t(°C)+273.15
	T(°F)= t(°C)×1.8+32

Horsepower/Torque:Torque =BHP×5252/RPM
Energy: 1J=1 Ws=1Vas=1Nm
Power:1W=1VA=1Nm/s
Force:1N=1kgm/ s²

Abbreviations

IMO-International maritime organization
EU-European Union
CCNR- Central Commission for Navigation on the Rhine
SAE-Society of Automotive Engineers
H-Height of Engine
W-Width of Engine
L-Length of Engine
NA-Naturally Aspirated
T-Turbocharged
TA-Turbocharged Aftercooled
MGO-Marine Gas Oil
MDO-Marine Diesel Oil
HFO-Heavy Fuel Oil

Note

Note

Note

Note