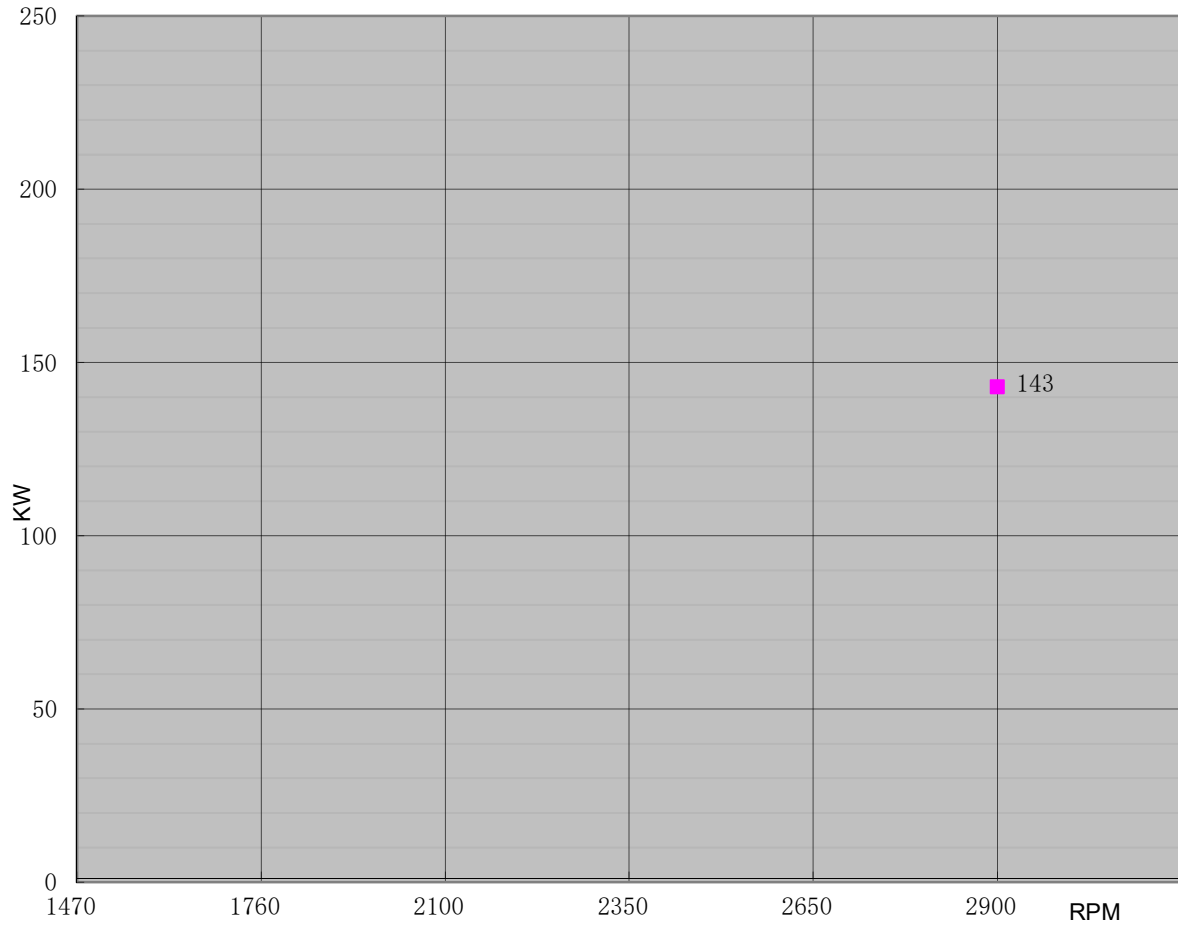




DIESEL ENGINE

Engine Model		CH6-110-EE		Curve No.		C06110EF	Date	2021/2/6
Displacement	7.13	L	Aspiration	Turbocharged+Water cooled		Power Standard		UL/FM
Bore	110	mm	Cylinder Qty.	6,In-Line		143	KW @ 2900	r/min
Stroke	125	mm	Fuel System	Mechanical		192	HP @ 2900	r/min



Torque		
Speed	Torque	
RPM	N-m	lb-ft.
1470		
1760		
2100		
2350		
2650		
2900	470	347

Output Power		
Speed	Output Power	
RPM	KW	HP
1470		
1760		
2100		
2350		
2650		
2900	143	192

Fuel Consumption		
Speed	Consumption	
RPM	g/KW-HR	lb/BHP-HR
1470		
1760		
2100		
2350		
2650		
2900	235	0.386

REV: A



Engine Data Sheet

Engine Model	CH6-110-EE	Date	2021/2/6	
Drawing No.	CH6-110-EE-00	Document No.	DS06110EF	
Rated Power	192 HP @ 2900 RPM	Performance Curve No.	C06110EF	
	143 KW @ 2900 RPM	Version	A	
GENERAL ENGINE DATA				
Type		4 Cycle; In-line; water cooled; 6 Cylinder		
Aspiration		Turbocharged +Water Cooled		
Bore and Stroke		mm×mm	110x125	
Cylinder Liner Type		<input checked="" type="checkbox"/> Wet	<input type="checkbox"/> Dry	
Displacement		L	7.127	
Compression Ratio		16.8 : 1		
Firing Order		1-5-3-6-2-4		
Combustion System		Direct Injection		
Rotation Viewed from flywheel		Counter Clockwise		
Valves Per Cylinder		Intake :1 Exhaust :1		
Valves lashes at cold	Intake	mm	0.3	
	Exhaust	mm	0.35	
Charge Air Cooling Type		Raw Water		
Dry Weight Approx.		kg	1070	
Dimension Approx. (L*W*H)		mm	1685*1080*1520	
Flywheel/ Flywheel House Dimension		11.5"/ SAE 2		
EXHAUST SYSTEM				
Exhaust Gas Temp.		℃	540 @ 2900rpm	
Exhaust Gas Flow		kg/h	1342 @ 2900rpm	
Max. Allowable Back Pressure		kpa	7.5	
Minimum Exhaust Pipe Diameter		DN	125	
Minimum exhaust pipe diameter is based on 6 meter of pipe, one elbow, and a silencer. Pressure drop no greater than one half the max. allowable back pressure				
AIR INTAKE SYSTEM				
Air Cleaner Type		Dry Type		
Air Flow		kg/h	1290 @2900rpm	
Max. Allowable Air Inlet Restriction		kpa	5	
LUBRICATION SYSTEM				
Oil Capacity		L	26	
Engine Normal Operating Sump Oil Temp.		℃	80-120	
Normal Operating Oil Pressure Range		bars	3.4~5.0	
Oil Pressure at Idle		bar	>0.98	
COOLING SYSTEM				
Coolant Capacity - Engine + Heat Exchanger		L	26	
Thermostat Range	Start Open	℃	76	
	Full Open	℃	86	
Coolant Pressure Cap		bar	0.9	
Raw Water Working Pressure Range at Heat Exchanger		bar	5	
Engine Normal Operating Coolant Temp.		℃	76-95	
Engine Coolant Flow at Full Load		m³/h	14	
Minimum Raw Water Flow @ Engine Speed (rpm)		2900		
Raw Water Temperatures to 16 ℃ (m³/h)		6		
Raw Water Temperatures to 38 ℃ (m³/h)		8		
Raw Water Pipe Size	Raw Water Inlet	G1"		
	Raw Water Outlet	G1 1/4"		



Engine Data Sheet

HEATER SYSTEM

Wattage	W	3000
Voltage AC	V	220

ELECTRICAL SYSTEM-DC

System Voltage(Nominal)	V	24
Starter motor	Kw	6
Recommended Battery Capacity	AH	150
Cold Cranking Amperes @ -18°C (0°F)	CCA	900
Charging Alternator Output	Amps	70

FUEL SYSTEM

Injection Pump		
Injection Advance Angle	°	24
Minimum Supply line Size	mm	10
Minimum Return line Size	mm	10
Fuel Management Control	Mechanical	
Idle Speed	rpm	750
Governed Speed Rate	%	<10

Engine Performance Data

All data is based on the engine operating with fuel system, lubricating oil pump, air cleaner, and alternator; not included are compressor, fan, optional equipment, and driven components.;Data is based on operation at SAE standard J1394 conditions of 300ft (91,4m) altitude, 29.61 in.(752mm) Hg dry barometer, and 77°F (25°C) intake air temperature, using 0# diesel fuel follow the standard GB 252-2011.		
Altitude above which output should be Limited	m (ft.)	91 (300)
Correction Factor per 305m.(1,000ft.) above Altitude Limit		3%
Temperature above which output should be Limited	°C (°F)	25 (77)
Correction Factor per 5.6°C (10°F) above Temperature Limit		1%

Remark:

- 1.All daa certified within 5%;
- 2.TBD - To Be Determined;
- 3.N/A - Not Applicable;