Engine Mod	el	C	Н12-150-Е	Cu	rve No.	C1	2150F	Date		2024/6
Displacement	31.80	L	Aspiration	Turboc	harged+Water co	ooled Power Standard			UL/FM	
Bore150 mmStroke150 mm		mm	nm Cylinder Qty.		12, V-Type Mechanical			820 KW @ 1770 1100 HP @ 1770		0 r/min
		Fuel System		1770 r/min						
850										1
						820				
						020				
800		_								1
				/						
X										
∑ 750										
750										
			731							
700										
1150			1465		1770	0		RP	M 21	00
1	orque			Output P	ower		Fue	el Consum	ption	
Speed RPM N-	Torque	lb-ft.	Speed RPM	<b>Outpu</b> KW	t Power HP		<b>peed</b> RPM a	<b>Consum</b> /KW-HR	<b>ption</b> Ib/BHI	מם כ
1150			1150			1	.150			
1465         47           1770         44		3514 3263	1465 1770	731 820	980 1100	1	.465 .770	190 200	0.31 0.32	
2100			2100			2	2100			
								REV:		А

/wheel	Date Document No. Performance Curve No. Version NERAL ENGINE DATA	DS1 C12 4 Cycle;V-Type; wat Turbocharged mm×mm ⊡ Wet L L 15 A1-B2-A5-B4-A3-B1 Direct Counter	24/6/7 2150F 2150F A er cooled; 12 Cylinder +Water Cooled 150×150 Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
CH12-150-E.00 1100 HP @ 1770 RPM 820KW @ 1770 RPM GE	Document No. Performance Curve No. Version INERAL ENGINE DATA	DS1 C12 4 Cycle;V-Type; wat Turbocharged mm×mm ☑ Wet L 15 A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	2150F 2150F A er cooled; 12 Cylinder +Water Cooled 150×150 □ Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
1100 HP @ 1770 RPM 820KW @ 1770 RPM GE	Performance Curve No. Version	C12 4 Cycle;V-Type; wat Turbocharged mm×mm ☑ Wet L 15 A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	2150F A er cooled; 12 Cylinder +Water Cooled 150×150 Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
820KW @ 1770 RPM GE	Version Intake	4 Cycle;V-Type; wat Turbocharged mm×mm ☑ Wet L A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	A er cooled; 12 Cylinder +Water Cooled 150×150 Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
- GE	Intake	4 Cycle;V-Type; wat Turbocharged mm×mm ☑ Wet L 15 A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	er cooled; 12 Cylinder +Water Cooled 150×150 Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
rwheel	Intake	Turbocharged mm×mm ☑ Wet L A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	+Water Cooled 150×150 Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
		Turbocharged mm×mm ☑ Wet L A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	+Water Cooled 150×150 Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
		mm×mm ☐ Wet L A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	150×150 Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
		✓  Wet    L    15    A1-B2-A5-B4-A3-B1    Direct    Counter    Intake :2	Dry 31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
		L 15 A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	31.8 5.7:1 1-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
		15 A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	5.7:1 I-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
		A1-B2-A5-B4-A3-B1 Direct Counter Intake :2	5.7:1 I-A6-B5-A2-B3-A4-B6 Injection Clockwise Exhuast :2
		Direct Counter Intake :2	Injection Clockwise Exhuast :2
		Direct Counter Intake :2	Injection Clockwise Exhuast :2
		Counter Intake :2	Clockwise Exhuast :2
		Intake :2	Exhuast :2
		111111	0.3
		mm	0.4
	Exhlust		Water
			4050
N*H)	kg	2950*1730*2070	
		10 /	SAE U
		°C	550 @ 1770rpm
		-	
		5534 @ 1770rpm	
		7.5 @1770rpm 2x200	
neter is based on 6 meter of			
	Dry	Туре	
			5344 @1770rpm
Restriction		_	4.5 @1770rpm
LL	JBRICATION SYSTEM	<u> </u>	
		L	109
g Sump Oil Temp.	C	80-105	
• 1 1		4~6	
		>2	
	COOLING SYSTEM		
			180
	Start Onen		77
ł			87
			0.9
sure Range at Heat Evolu	anger		5
-			77-96
-			29
		1	
			1770
	-		<u>18</u> 20
	e Dimension  Ssure  Siameter  heter is based on 6 meter of  Restriction  LL  g Sump Oil Temp.  essure Range  he + Heat Exchanger  sure Range at Heat Excha  g Coolant Temp.  full Load  w @ Engine Speed (rpm)  Raw Water Te	e Dimension  EXHAUST SYSTEM  SSURE  SSURE  Diameter  heter is based on 6 meter of pipe, one elbow, and a silencer.  AIR INTAKE SYSTEM  Restriction  LUBRICATION SYSTEM  g Sump Oil Temp.  essure Range  COOLING SYSTEM  he + Heat Exchanger  Start Open Full Open  Sure Range at Heat Exchanger  g Coolant Temp.  full Load  w @ Engine Speed (rpm)  Raw Water Temperatures to 16 °C (m <sup>3</sup> /h)	e Dimension 18"/ EXHAUST SYSTEM  C C Kg/h ssure Kpa Diameter DN neter is based on 6 meter of pipe, one elbow, and a silencer. Pressure drop no greate  AIR INTAKE SYSTEM  AIR INTAKE SYSTEM  Kg/h Restriction Kg/h Restriction LUBRICATION SYSTEM  LUBRICATION SYSTEM  LUBRICATION SYSTEM  LUBRICATION SYSTEM  LUBRICATION SYSTEM  L Start Open C C Full Open C Start Open C Sta

$D_{2} \dots M_{d} \mapsto D'_{2} \dots Q'_{d}$	Raw Water Inlet	Raw Water Inlet G2		
Raw Water Pipe Size	Raw Water Outlet	G2	2 1/2"	
	HEATER SYSTEM			
Wattage		W	2x4500	
Voltage AC		V	220	
	ELECTRICAL SYSTEM-DC			
System Voltage(Nominal)	V	24		
Starter motor	Kw	10		
Recommended Battery Capacity		AH	200	
Cold Cranking Amperes @ -18°C (0°F)		CCA	1000	
Charging Alternator Output	Amps	55		
	FUEL SYSTEM			
Injection Pump				
Injection Advance Angle	0	21~22		
Minimum Supply line Size	mm	12		
Minimum Return line Size	mm	12		
Fuel Management Control	Mechanical			
Idle Speed	rpm	725±25		
Governed Speed Rate	%	<10		
	Engine Performance Data			
All data is based on the engine operating w are compressor, fan, optional equipment, an conditions of 300ft (91,4m) altitude, 29.61 in 0# diesel fuel follow the standard GB 19147	nd driven components.;Data is base n.(752mm) Hg dry barometer, and 7 7-2016.	d on operation at SA 77°F (25°C) intake ai	AE standard J1394 r temperature, usin	
Altitude above which output should be Limi	m (ft.)	91 (300)		
Correction Factor per 305m.(1,00	3%			
	°C (°F)	25 (77)		
Temperature above which output should be Correction Factor per 5.6°C (10°F)				