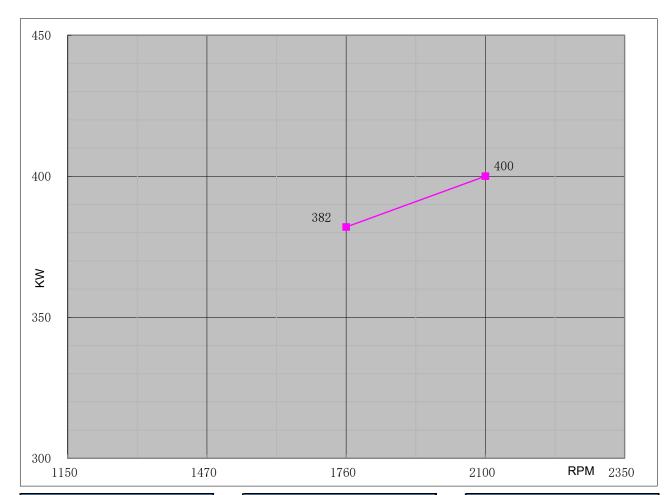


Performance Curve

Engine Mode	I		CH6-127-EB		Curve No.	C0	6127B	Da	te	2023/12/	/1
Displacement	12.54	L	Aspiration		Turbocharged+Water co	oled	Power	Standard	i	UL/FM	
Bore	127	mm	Cylinder Qty	/.	6, In-Line		400	KW	@ 21	00 r/min	
Stroke	165	mm	Fuel System	1	Mechanical		536	HP	@ 21	00 r/min	



	Torque			
Speed	Torq	ue		
RPM	N-m	lb-ft.		
1150				
1470				
1760	2072	1528		
2100	1819	1341		

	Output Pov	wer
Speed	Output	Power
RPM	KW	HP
1150		
1470		
1760	382	512
2100	400	536

Fuel Consumption					
Speed	Consun	nption			
RPM	g/KW-HR	lb/BHP-HR			
1150					
1470					
1760	200	0.329			
2100	220	0.362			

REV:

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Engine Data Sheet

Engine Model	CH6-127-EB	Date	2024/5/14		
Drawing No.	CH6-127-EB.00	Document No.	DS06127BF		
Rated Power	536 HP @ 2100 RPM	Performance Curve No.	CO	06127B	
Rated Power	400KW @ 2100 RPM	Version		A	
	GI	ENERAL ENGINE DATA			
Туре	Gi	INLINAL LINGING DATA	4 Cycle:In-line: wa	ater cooled; 6 Cylinder	
Aspiration				d +Water Cooled	
Bore and Stroke			mm×mm	127×165	
Cylinder Liner Type					
Displacement			☐ Wet	12.54	
Compression Ratio				12.54 L6:01	
Firing Order			1-5-3-6-2-4		
Combustion System					
Rotation Viewed from	flywhool		Direct Injection Counter Clockwise		
Valves Per Cylinder	Hywrieci			2 Exhuast :2	
valves Fell Cyllilidel		Intoleo		0.4	
Valves lashes at cold		Intake	mm		
Charge Air Cooling Typ	<u> </u>	Exhaust	mm	0.6 v Water	
Dry Weight Approx.	Je			1600	
Dimension Approx. (L	.\\\.\\		kg	2130*1170*1620	
Flywheel/ Flywheel Hou			mm	/ SAE 1	
Flywneel/ Flywneel Hol	use Dimension	EVITATICE CVCTEM	14	/ SAE I	
Full accent Cara Tarrara		EXHAUST SYSTEM	90	FF0 @ 0100 · · · ·	
Exhaust Gas Temp.			°C	550 @ 2100rpm	
Exhaust Gas Flow			kg/h kpa	1979 @ 2100rpm	
	Max. Allowable Back Pressure			8.5 @2100rpm	
Minimum Exhaust Pipe			DN	150	
Minimum exhaust pipe di allowable back pressure	ameter is based on 6 meter of	pipe, one elbow, and a silencer. F	Pressure drop no great	er than one half the max.	
		AIR INTAKE SYSTEM			
Air Cleaner Type	Air Cleaner Type		Dry Type		
Air Flow			kg/h	1899 @2100rpm	
Max. Allowable Air Inlet Restriction			kpa	5 @2100rpm	
	LI	JBRICATION SYSTEM			
Oil Capacity			L	36	
Engine Normal Operat	Engine Normal Operating Sump Oil Temp.			80-105	
Normal Operating Oil	Normal Operating Oil Pressure Range			3.5~5.5	
Oil Pressure at Idle	Oil Pressure at Idle			>1	
		COOLING SYSTEM			
Coolant Capacity - Eng	gine + Heat Exchanger		L	55	
Thormostat Davis		Start Open	$^{\circ}\!\mathbb{C}$	76	
Thermostat Range		Full Open	$^{\circ}$	88	
Coolant Pressure Cap	Coolant Pressure Cap			0.9	
Raw Water Working Pr	Raw Water Working Pressure Range at Heat Exchanger		bar	5	
Engine Normal Operating Coolant Temp.			$^{\circ}$	76-98	
_	Engine Coolant Flow at Full Load		m ³ /h	24.9	
Minimum Raw Water Flow @ Engine Speed (rpm)			1760	2100	
	Raw Water T	emperatures to 16 °C (m³/h)	15	16	
		emperatures to 38 °C (m³/h)	17.3	18.2	
		, /			

Ç HESTER	Engine Data Sheet			
Do Water Direction	Raw Water Inlet			
Raw Water Pipe Size	Raw Water Outlet			
	HEATER SYSTEM	•		
Wattage		W	3000	
Voltage AC	V	220		
	ELECTRICAL SYSTEM-DC			
System Voltage(Nominal)		V	24	
Starter motor		Kw	8.5	
Recommended Battery Capacity		AH	180	
Cold Cranking Amperes @ -18℃ (0°F)		CCA	900	
Charging Alternator Output		Amps	70	
	FUEL SYSTEM			
Injection Pump				
Injection Advance Angle		٥	18	
Minimum Supply line Size	mm	12		
Minimum Return line Size	mm	12		
Fuel Management Control		Mec	hanical	
Idle Speed	rpm	600±50		
Governed Speed Rate	%	<10		
	Engine Performance Data			
All data is based on the engine operating with are compressor, fan, optional equipment, and conditions of 300ft (91,4m) altitude, 29.61 in.(0# diesel fuel follow the standard GB 252-202	driven components.;Data is bas 752mm) Hg dry barometer, and	sed on operation at SA	E standard J1394	
Altitude above which output should be Limite	m (ft.)	91 (300)		
Correction Factor per 305m.(1,000f	3%			
Temperature above which output should be L	imited	°C (°F)	25 (77)	
Correction Factor per 5.6°C (10°F) a	1 1	1%		

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