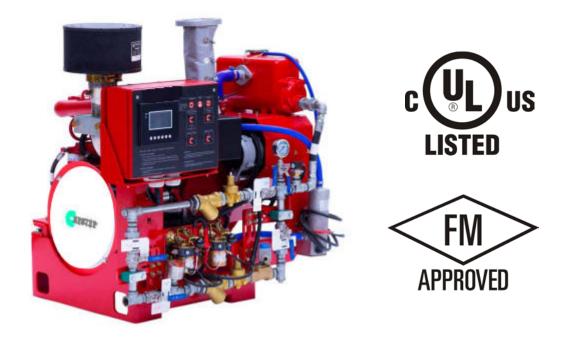


Engine Specification Sheet



Model	Ratings HP (kW) @ Rated speed rpm					
Woder	1470	1760	2100			
CH6-105-EB	188 (140)	204 (152)	208 (155)			

ENGINE S	PECIFICATIONS				
Туре	4 Cycle; In-lir	4 Cycle; In-line; water cooled; 6 Cylinder			
Aspiration	Turboch	Turbocharged +Water Cooled			
Bore and Stroke	mm×mm	105×124			
Displacement	L	6.44			
Compression Ratio		16:1			
Combustion System	Direct Injection				
Rotation Viewed from flywheel	Сс	ounter Clockwise			
Dry Weight Approx.	kg	825			
Dimension Approx. (L*W*H)	mm	1450*955*1458			
Crankshaft Centerline Height	mm	400			
Oil Capacity	L	18			
Coolant Capacity - Engine + Heat Exchanger	L	22			



MODEL CH6-105-EB

Engine Equipment	Standard	Optional		
Air Cleaner	Drip proof	N/A		
Alternator	24V-DC, 35 Amps with Belt Guard	N/A		
Coupling	Bare Flywheel	N/A		
Engine Heater	220V-AC	110V-AC		
Exhaust Flex Connection	DN100	N/A		
Exhaust Protection	Metal Guard	N/A		
Flywheel Housing	SAE 3	N/A		
Flywheel Power Take Off	SAE 11.5	N/A		
Fuel Connections	Flexible hoses according ISO 15540	N/A		
Fuel Filter	Full flow, cartridge type	N/A		
Governor, Speed	Constant speed, mechanical	N/A		
Heat Exchanger	Shell and Tube Type	N/A		
Instrument Panel	Build on Engine	N/A		
Junction Box	Integrated in control panel	N/A		
Lube Oil Cooler	Jacket Water Cooled	N/A		
Lube Oil Filter	Full flow, cartridge type	N/A		
Lube Oil Pump	Gear Driven, Gear Type	N/A		
Manual Start Control	Dual Manual Start Contactors	N/A		
Overspeed Control	Electronic instrument panel, test on instrument panel	N/A		
Raw Water Cooling Loop w/ Alarms	Galvanized	Seawater (All 316 SS)		
Raw Water Solenoid Operation	Automatic from Fire Pump Controller and from Engine Instrument Panel (for Horizontal Fire Pump Applications)	N/A		
Run - Stop Control	On Instrument Panel with Control Position Warning Light	N/A		
Starters	24V-DC, 5.5 KW	N/A		
Throttle Control	Adjustable speed control	N/A		
Water Pump	Centrifugal Type, Gear Driven	N/A		
compressor, fan, optional equipment,	ing with fuel system, lubricating oil pump, and driven components.;Data is based on mm) Hg dry barometer, and 77°F (25°C) i	operation at SAE sta	ndard J1394 conditions	
Altitude above which output should be Limited		m (ft.)	91 (300)	
Correction Factor per 305m		3%		
Temperature above which output sho	°C (°F)	25 (77)		
	(10°F) above Temperature Limit		1%	
Remark:		1		
1.All data certified within 5%; 2.TBD - To Be Determined; 3.N/A - Not Applicable;				

Engine Mode	əl	CI	H6-105-EB		Cur	ve No.	C0	6105B	B Date		2021/6/1
Displacement	6.44	L	Aspiratio	piration Turbocharged+Water cooled		er cooled	Power	ower Standard 155 KW @ 2100		UL/FM	
Bore	105	mm	n Cylinder Qty.			6, In-Line				155	0 r/mir
Stroke	124	mm	Fuel Syste	m		Mechanical	1	208	HP	@ 210	0 r/mir
200											
200											
150								155			
150		140	-			152					
100											
100											
X											
50											
50											
0 1150		1	470		1760		21	100		RPM	
Т	orque				Output Pc	wer	\neg	Fu	el Cons	umption	I
Speed RPM N-	Torque	lb-ft.	Spe RF		Output KW	Power HP		peed RPM g		umption	
1150			115	50			1	150		R Ib/BH	
1470 91 1760 82		671 608	147 176		140 152	188 204		470 760	205 210	0.3 0.3	
2100 70		520	21(155	208		100	220		62

CH6-105-EB	Date	2021/6/18			
CH6-105-EB.00	Performance Curve No.				
208 HP @ 2100 RPM	Reference No.	14DS001E			
155 KW @ 2100 RPM	Version	A			
GE	NERAL ENGINE DATA				
		4 Cycle;In-line; wat	er cooled; 6 Cylinde		
		-	105×124		
		🗌 Wet	✓ Dry		
	L 6.44				
			6:01		
		1-5-3	8-6-2-4		
		Direct Injection			
ront of engine			CW		
		Intake :2	Exhuast :2		
	Intake	mm	0.25		
	Exhaust	mm	0.5		
	Compression(Diesel)				
e	Raw	Water			
	kg	825			
W*H)	mm	1450*955*1458			
se Dimension		11.5"/	/ SAE 3		
	EXHAUST SYSTEM	•			
nax. rating/power		°C	600		
ax. output	m³/h	1836			
essure	kpa	9			
Minimum Exhaust Pipe Diameter			125		
	AIR INTAKE SYSTEM				
	Dry Type				
	m³/h	852			
		kpa	6		
		kpa	3		
LL	JBRICATION SYSTEM				
		L	18		
			110		
Normal Operating Oil Pressure Range Oil Pressure at Idle			2~6		
	0001110	bar	>0.7		
	COOLING SYSTEM	· · ·			
ine + Heat Exchanger			22		
			82		
	Full Open		95		
			0.9		
			96		
			12		
acity			8		
	155 KW @ 2100 RPM GE GE ront of engine e W*H) se Dimension hax. rating/power ax. output essure Diameter y an LL	155 KW @ 2100 RPM Version GENERAL ENGINE DATA GENERAL ENGINE DATA GENERAL ENGINE DATA ront of engine ront of engine ront of engine ront o	Iss KW @ 2100 RPM Version GENERAL ENGINE DATA 4 Cycle;In-line; wat Turbocharged Turbocharged mm×mm Imm×mm Imm×m Imm×m Imm×m Imm Imm Imm Imm Imm Imm Imm Imm Imm <td colspan="2" imm<="" td=""></td>		

Vin. Raw Water Temp.		C°	15.6	
Raw Water Pipe Size Raw Water Inlet Raw Water Outlet			G1"	
		G1 1/4"		
	HEATER SYSTEM			
Wattage		W	3000	
Voltage AC		V	220	
	ELECTRICAL SYSTEM-DC		-	
System Voltage(Nominal)	V	24		
Starter motor		Kw	5.5	
Recommended Battery Capacity		AH	150	
Cold Cranking Amperes @ -18℃ (0°F)		CCA	900	
Reserve Capacity (RC)		Min	290	
Charging Alternator Output		Amps	35	
Max. Starter Cranking Amps @4.5°C(0°F)		Amps	325	
Min. Cranking Speed Required for Unaided Col	d Start	rpm	250	
	FUEL SYSTEM			
njection Pump				
njection Advance Angle		0	12±1	
Vinimum Supply line Size		mm	10	
Minimum Return line Size		mm	10	
Fuel Management Control		Mechanical		
Max. Fuel Consumption		g/kw,h	220	
dle Speed		rpm	700	
Max. Governed Speed		rpm	2310	
Maximum allowable fuel height above fuel pun	m	3		
Governed Speed Rate	%	<10		
	Engine Performance Data			
Estimated free field soud pressure level at 1 me speed(Includes Noise from: exhaust;: Cooling S Components)	dBa	108		
All data is based on the engine operating with are compressor, fan, optional equipment, and c conditions of 300ft (91,4m) altitude, 29.61 in.(7 D# diesel fuel follow the standard GB 252-2011	driven components.;Data is base 52mm) Hg dry barometer, and 5	d on operation at S	SAE standard J1394	
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 Lir	nited	°C (°F)	25 (77)	
	ove Temperature Limit		1%	