VOLVO PENTA INBOARD PERFORMANCE SYSTEM

IPS 1050/1200



General Data

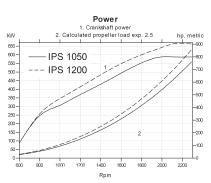
System designation	IPS1050	IPS1200
Engine displacement, I (in ³)	12.8 (780)	12.8 (780)
Configuration	in-line 6	in-line 6
Crankshaft power, kW (hp)	588 (800) @ 2300 rpm	662 (900) @ 2300 rpm
Propshaft power, kW (hp)	564 (768) @ 2300 rpm	636 (864) @ 2300 rpm
Aspiration	Dual stage turbo with twin charge air coolers	
Rating	R4* & R5**	R5**
Package weight, kg (lb)	2300 (5060)	2300 (5060)
Propeller series	Q1-Q7	Q2-Q7
Voltage	24V	24V
Emission compliance	IMO NOx, EU RCD, US EPA Tier 3	
Application	Twin/multiple engine installation in planing hulls	
Speed range	26 to 40 knots	

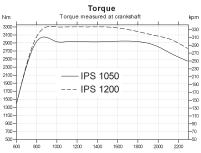
Technical data according to ISO 8665. With fuel having an LHV of 42700 kJ/kg and density of 840 g/liter at $15 \,^{\circ}$ C (60 $^{\circ}$ F).

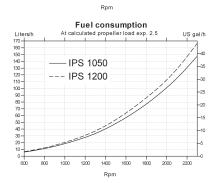
Merchant fuel may differ from this specification which will influence engine power output and fuel consumption.

*RATING 4. For light planing craft in commercial operation

**RATING 5. For pleasure craft applications, and can be used for high speed planing crafts in commercial applications









IPS 1050/1200

Technical description:

Engine and block

- Cylinder block made of cast iron
- One-piece cast-iron cylinder head
- Ladder frame fitted to engine blockReplaceable wet cylinder liners and valve
- Replaceable wet seats/guides
- Drop forged crankshaft with induction hardened bearing surfaces and fillets with seven main bearings
- Four-valve-per-cylinder layout with overhead camshaft and center position of unit injectors
- Each cylinder features cross-flow inlet and exhaust ducts
- Gallery oil-cooled cast aluminum alloy pistons with three piston rings
- Rear-end transmission

Engine mounting

Flexible engine mounting

Lubrication system

- Integrated oil cooler in cylinder blockRear positioned twin full flow oil filter of
- spin-on type and by-pass filter

Fuel system

- Electronic high pressure unit injectors
- Gear-driven fuel pump and injection timingElectronically controlled central processing
- system (EMS Engine Management System) • Single fine fuel filter of spin-on type, with
- water separator and water alarm

Air inlet and exhaust system

- Twin entry turbo technology with freshwatercooled charge air cooler
- Air filter with replaceable inserts
- Wet exhaust elbow/riser (option IPS 1050)
- Wet exhaust elbow (option IPS 1200)
- Loss of sea water alarm

Cooling system

Seawater-cooled plate heat exchanger

- · Coolant system prepared for hot water outlet
- Easily accessible seawater pump in rear end of flywheel housing

Electrical system

 24V/110A plus an optional extra 24V/110A alternator

Instruments/controls

- Complete instrumentation/display packages, including e-key, the electronic key from Volvo Penta.
- · Electronic shift and throttle
- Plug-in connectors



Lern more about Volvo Penta IPS and the unique functions the IPS system can be extended with.

More information

Contact your local Volvo Penta dealer for more information regarding Volvo Penta engines and optional eguipment/ accessories or visit www.volvopenta.com





Download the Volvo Penta dealer locator App for your IPhone or Android



AB Volvo Penta SE-405 08 Göteborg, Sweden www.volvopenta.com

Not all models, standard equipment and accessories are available in all countries. All specifications are subject to change without notice. The engine illustrated may not be entirely identical to production standard engines.