

## HA394 Engine for De-watering Pump

### Engine Rating

Rated rpm	2000 rpm
Rated power	41 HP
Rating Standard	ISO 3046 - ICXN
Low Idle rpm	700-800
High Idle rpm	2120 – 2160 (6 to 8%)
Maximum Torque @ rpm	20.5 kg -m @ 1500 rpm

### Engine Starting System

Starter Motor	12 Volt. 2.7kW)
Alternator	12 Volt. 35 AMP

### Cooling Air System

Cooling by	Standard Air Blower (98 PCD fan pulley, SPZ section, single groove)
Additional related cooling accessory	NA

### Combustion Air System

Opening of air inlet manifold	Air inlet manifold - Gear end open.
Type of air cleaner & it's location	Oil bath type air cleaner. (Supplied in kit) [Mounted on engine standard engine mounted arrangement]
Mounting hoses and clips	Provided (mounted on engine)

### Exhaust System

Opening of exhaust manifold	Exhaust manifold cum silencer-opening at flywheel end side. (With exhaust bend-upward open)
Type of exhaust silencer & its Mountings	Exhaust silencer combined with exhaust manifold. [Mounted on engine-as shown in installation drawing]

### Drive System

Flywheel Type	Diaphragm type f lywheel
Flywheel Housing type	SAE -3
Adaptor on Flywheel Housing	Not Provided.
Crank Pulley Type	Crank Pulley ("SPZ" Section, 2 Groove)
Crank Pulley Adaptor	Not applicable
Coupling or PTO clutch on Flywheel	Not applicable
Crank Pulley	

Fuel System	
Type of FIP	In line (Non - CMVR) variable speed
Accelerator lever on FIP	Provided, Pull type
Stopping Lever on FIP	Provided, Pull type
Mechanical shut down arrangement on FIP	Mechanical shutdown arrangement given.
Stop solenoid on FIP	Not Applicable.
Fuel filter & it's location	Spin -on type fuel filter.(common header arrangement - engine mounted)
Accelerator cable & Linkage	Fixed speed unit provided on FIP.
Stopping Cable & Linkage	Stopping by stop lever - provided
Water Separator & mud filter and it's location.	Not in the scope of supply.
Fuel tank, it's capacity & location.	To be arranged by OEM
Lub Oil System	
Lube oil filling	Standard arrangement. Provided on front cover.
Dipstick	Standard. [Provided on crank case.]
Lube oil cooler & it's location	Placed inside engine cowling.
Lube oil sump drain plug location	Sump drain plug opening at side way .
Lube oil filter & it's location	Spin on type Lube oil filter common header arrangement – on engine)
Lube oil sump inclination	Pressed sump (Suitable for 20 Degree inclination.)
Auxillary engine mounted accessory	
	Belt-Guard provided.
Engine Mounting System	
	Rigid mounting foot ( 03.056 / 03.057)
Instrumentation	
	Following instruments supplied with control panel
	L.O.P gauge Digital Hr. meter Ammeter & Charging lamp On-off start switch
Kit Items	
	Sump drain arrangement
	Fuel pipe Exhaust bend and rain cap Extra set of fuel filter and lube oil filter O&M manual ISPL



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