

EH Series TECHNICAL

 **SUBARU**
Industrial Power Products



5
YEAR WARRANTY
+ + + + +

EH ENGINES

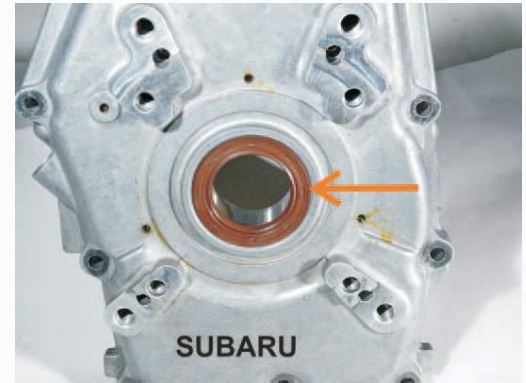
technology. innovation. performance.



The Subaru engine is engineered with a forged steel crankshaft. The forging process adds greater strength and longer life by hardening the steel through the entire diameter of the shaft rather than just hardening the surface area. Forged crankshafts are considered standard on industrial engines.



Subaru engines are designed for long life and service ability. The valve guides are replaceable and use a retainer clip to secure the guides even when the engine is abused and over heated. These engines are designed for professional use.



Subaru engines use high temperature, double lipped oil seals to prevent leaks and reduce service requirements.



Lubrication is critical to the life of an engine. The Subaru oil pump design uses a large trochoid gear type pump for maximum performance and durability. The pump is directly driven by the crankshaft for added reliability.



The Subaru design utilizes forced air cooling off the oil radiator. Air from the blowerfan passes through passages in the blower housing engine cover and are directed through the oil cooler to maximize the oil temperature reduction. Lower oil temperature increases engine life.
*EH72 only



Large main bearing support on the PTO side of crankshaft. Minimizes shock under heavy loads. Available on most EH specs.

ENGINE CONFIGURATIONS

Subaru works closely with OEMs to engineer the ideal solution for each unique application. A variety of engine configuration options are available to ensure optimal compatibility with the equipment.



Cannister Air Cleaner



Slowdown Solenoid



Control Box with hour meter



Flywheel Stub Shaft



Hydraulic Pump Adapter



Remote Speed/Choke control



15 & 30 amp charging system



Fan Guard



Oil gauge - extended



Oil fill - extended

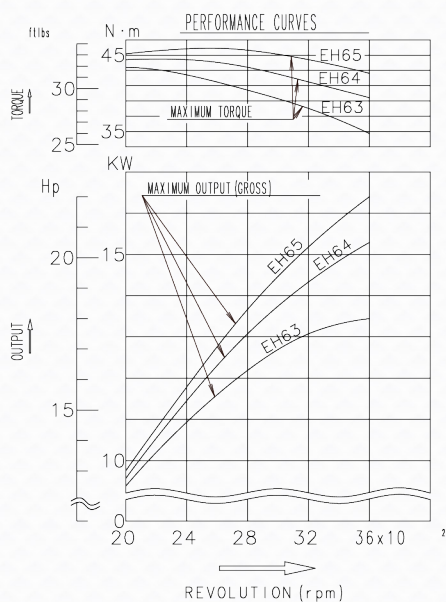
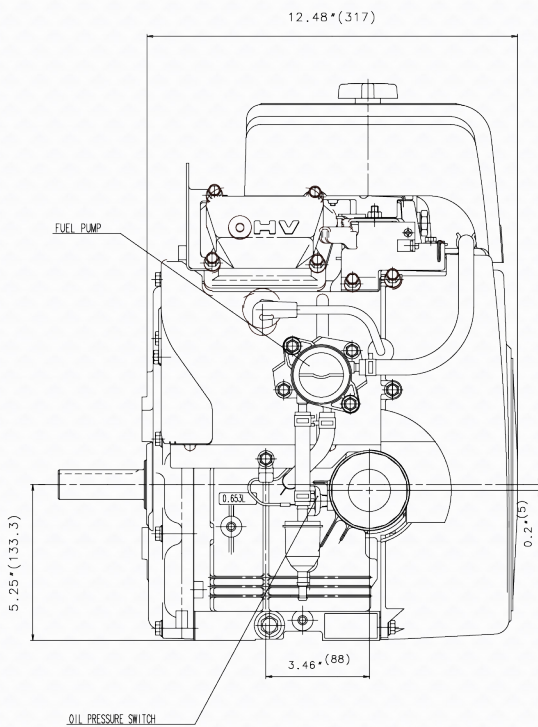
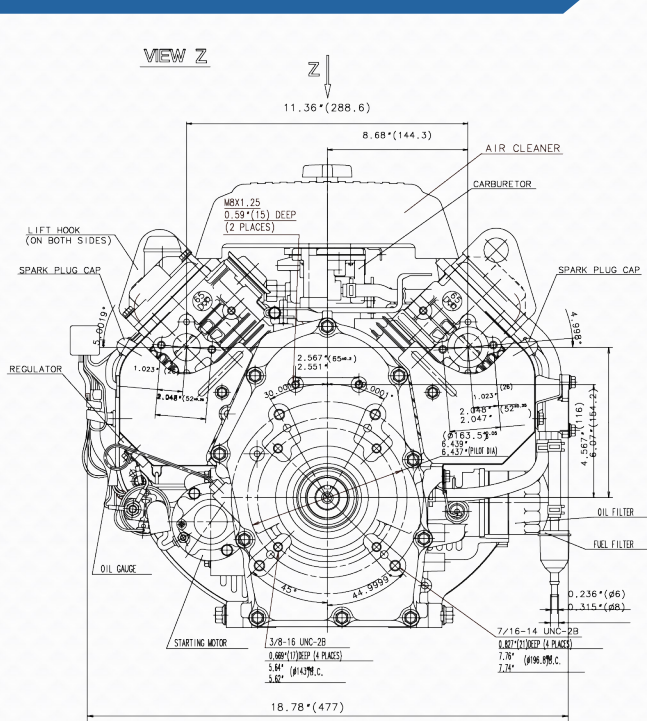


LP vapor with auto choke

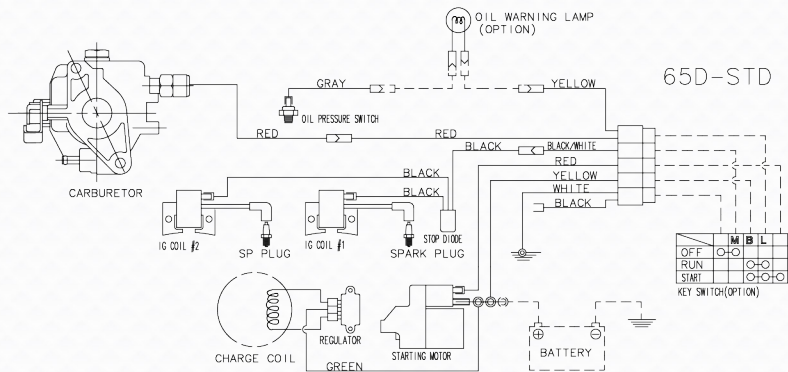
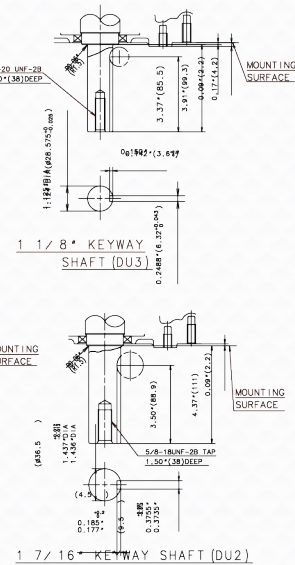
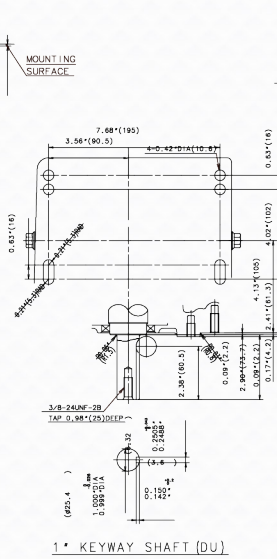
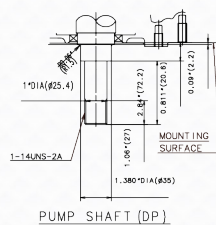
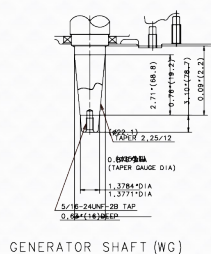


Rotating Screen

EH64 20.5hp

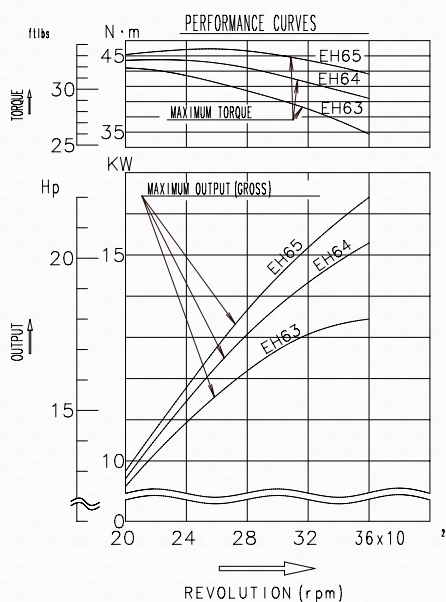
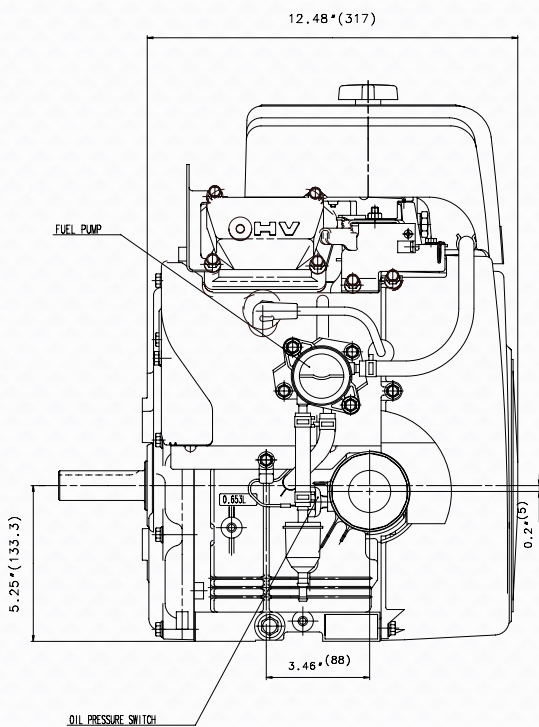
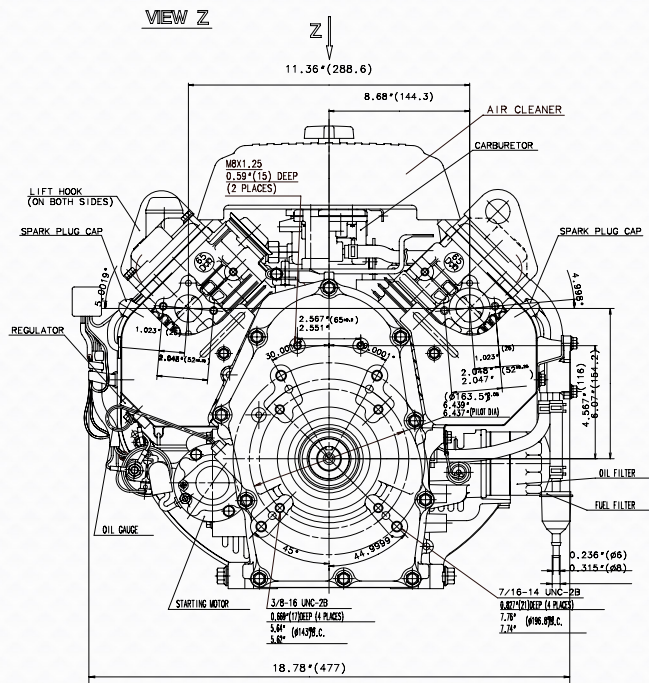


The horse power ratings shown herein are established in accordance with JIS B-8017

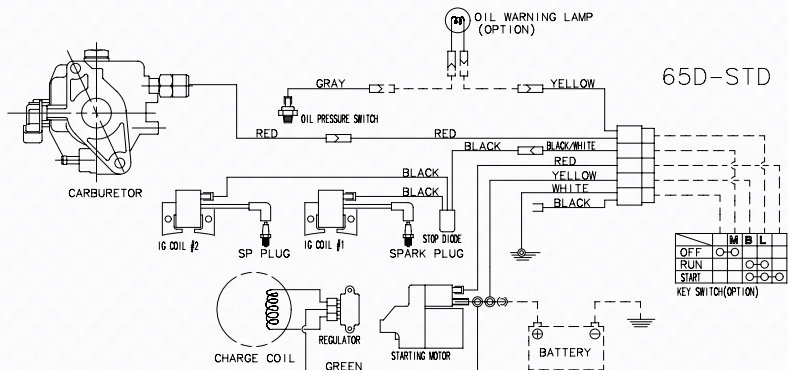
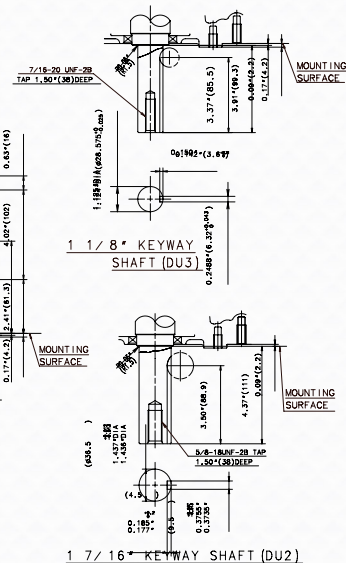
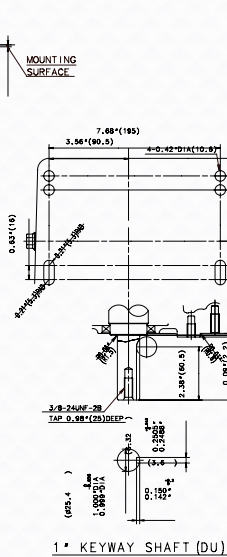
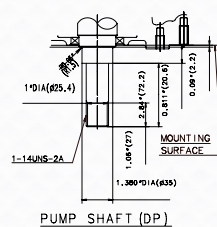
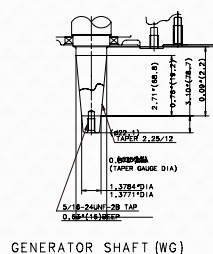


WIRING DIAGRAM

EH65 22.0hp

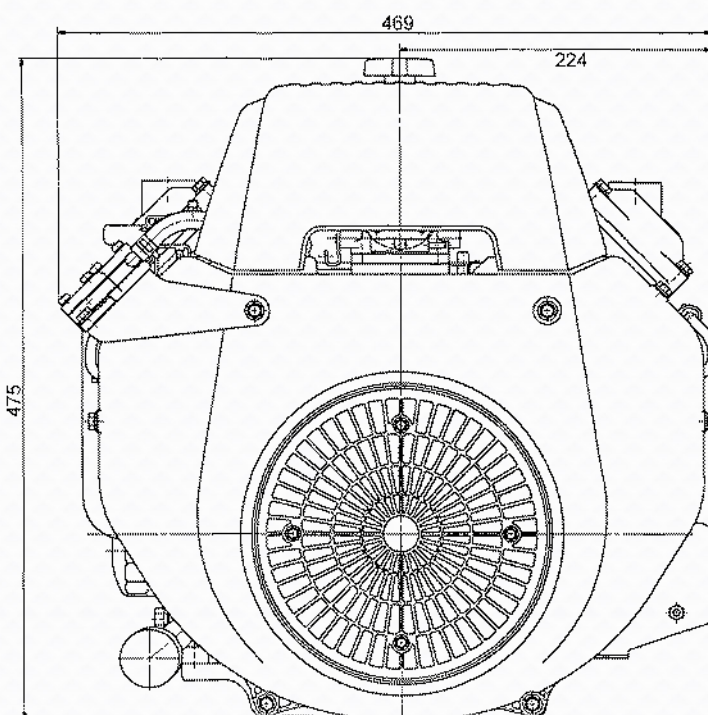
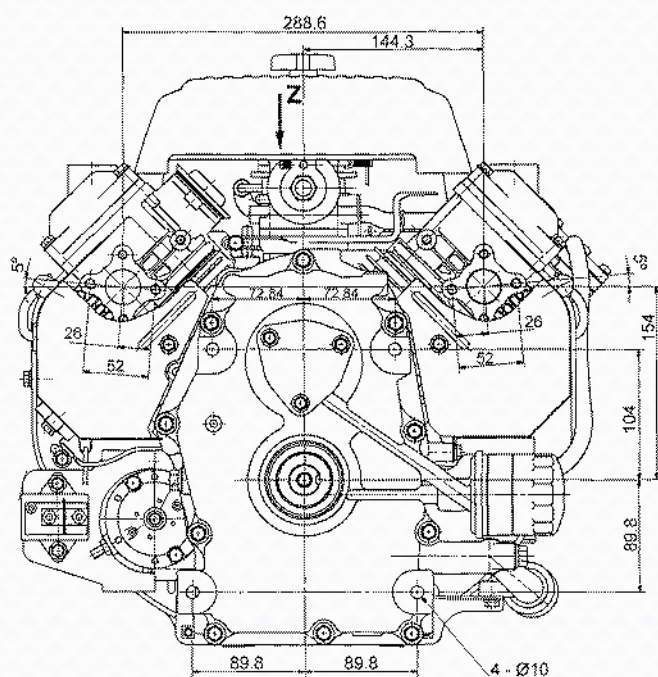
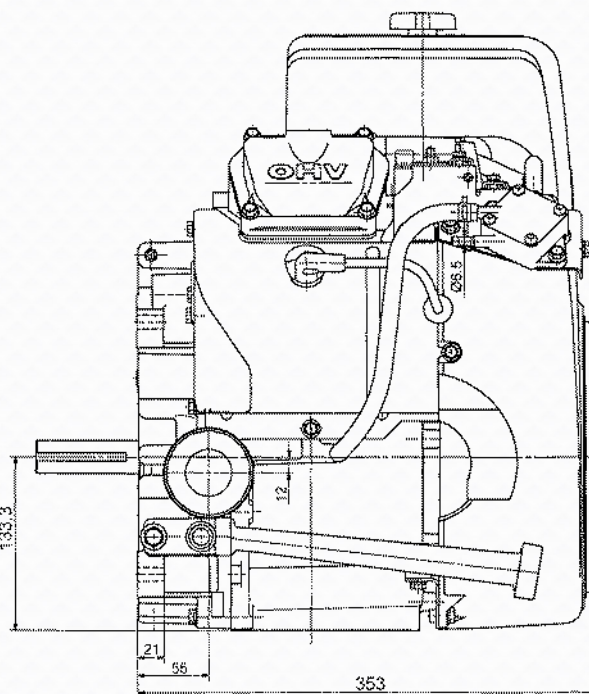
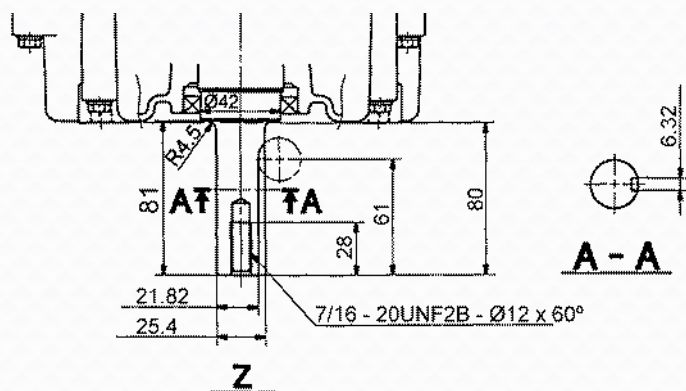


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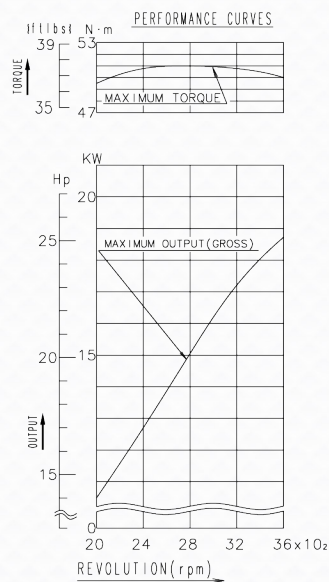
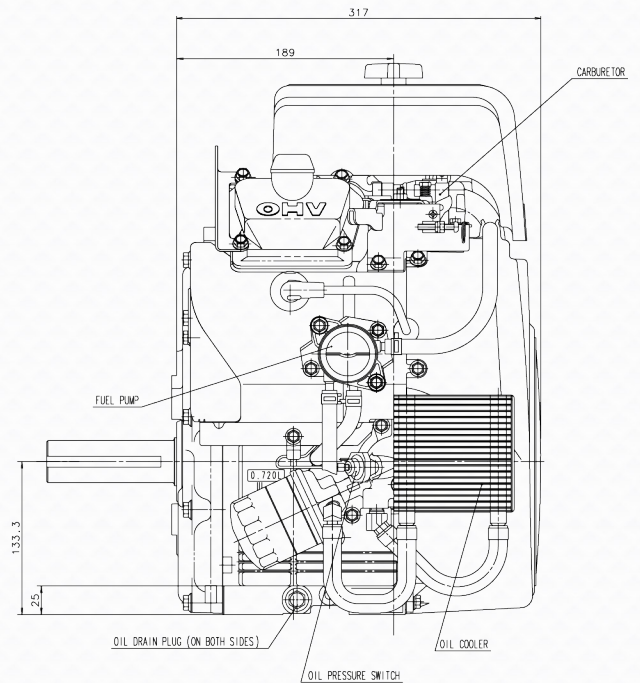
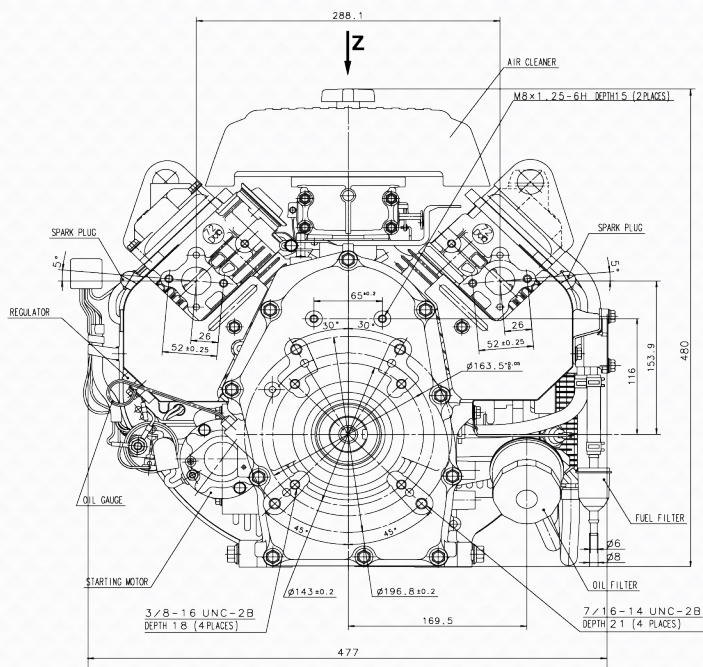


WIRING DIAGRAM

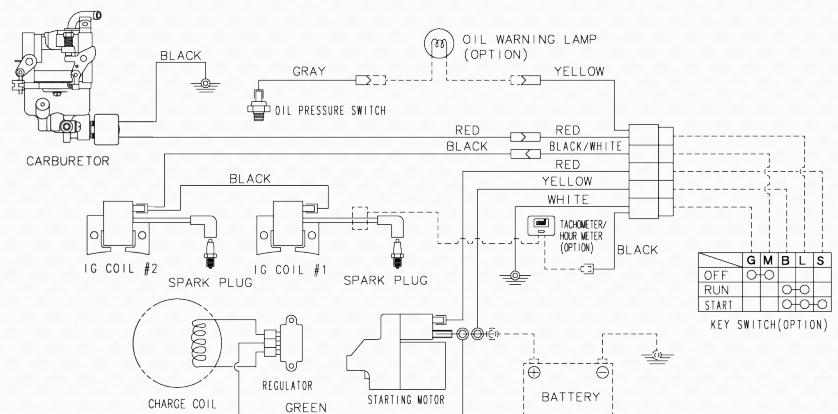
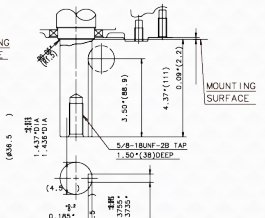
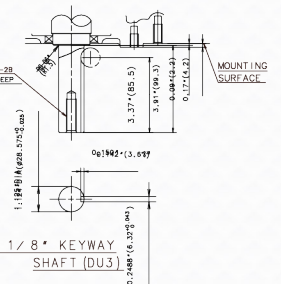
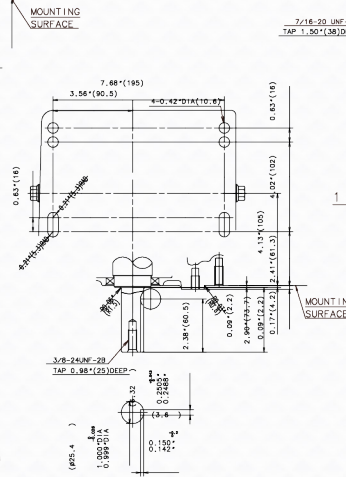
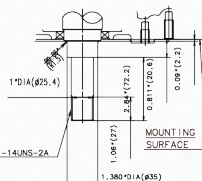
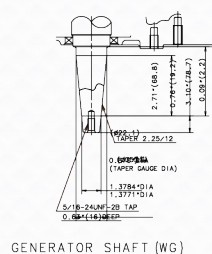
EH65v 22.0hp



EH72 25.0hp

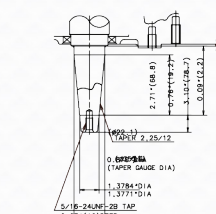
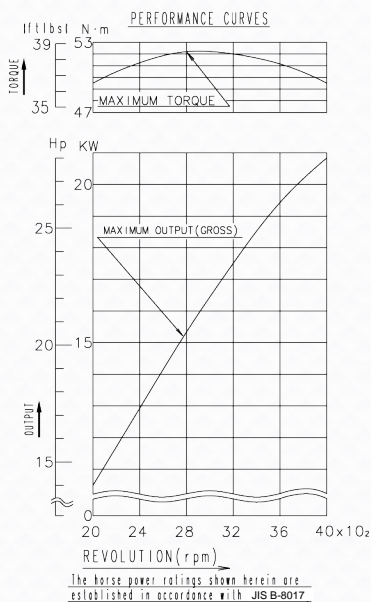
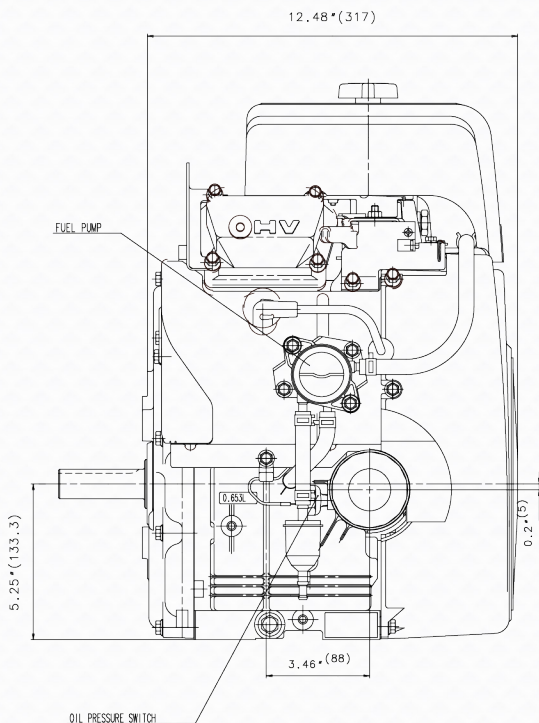
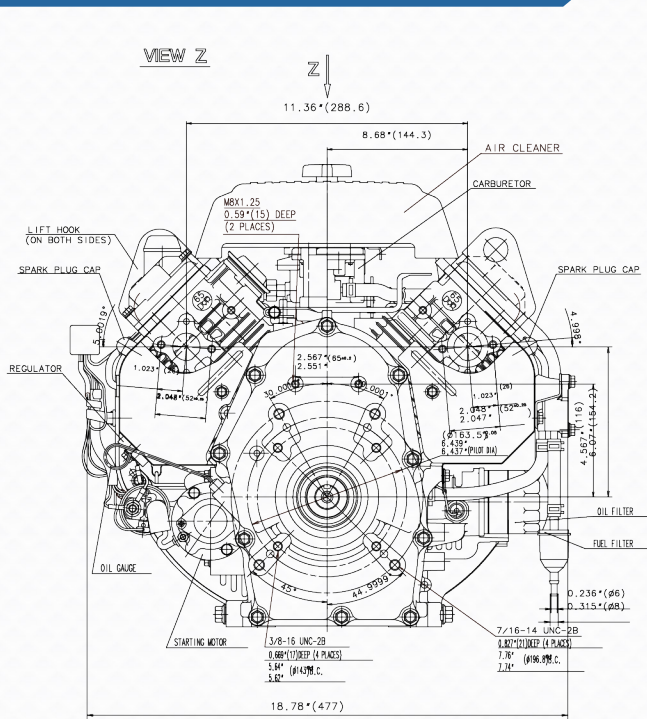


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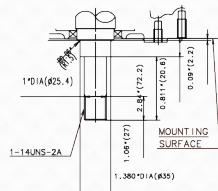


WIRING DIAGRAM

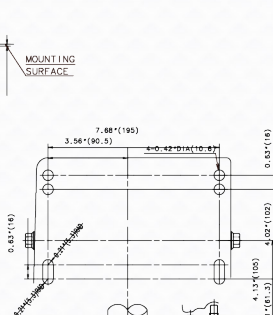
EH72 28.0hp



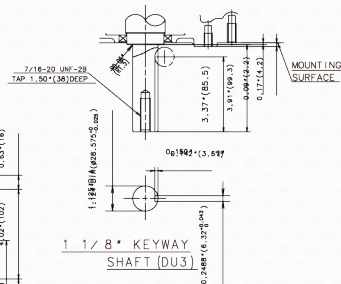
GENERATOR SHAFT (WG)



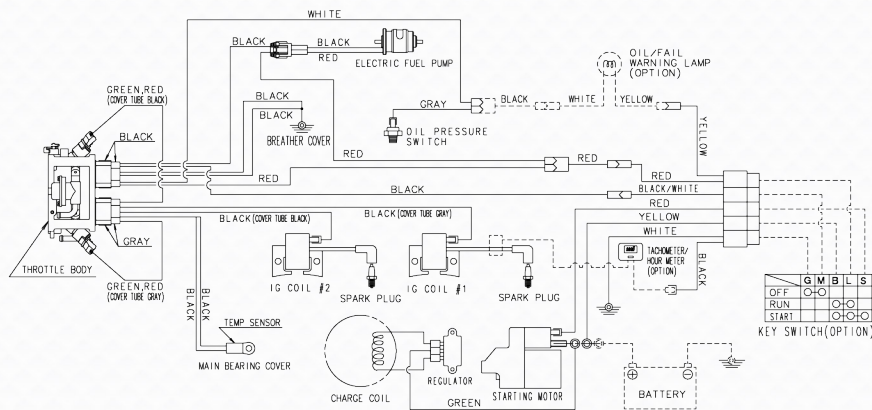
PUMP SHAFT (DP)



1" KEYWAY SHAFT (DU)



1 7/16" KEYWAY SHAFT (DU2)



WIRING DIAGRAM (FI)

ENGINE SPECIFICATIONS

SPECIFICATIONS

OPTIONS

	EH64	EH65	EH65v	EH72	EH72 FI
Type	Air-cooled, 4-cycle, V-Twin, OHV, Horizontal PTO Shaft				
Bore X Stroke mm (in)	2-80x65 (3.15x2.56)	2-80x65 (3.15x2.56)	84x65 (3.31x2.56)	2-84x65 (3.31x2.56)	2-84x65
Piston Displacement ml (cu in)	653 (39.8)	653 (39.8)	653 (39.8)	720 (43.9)	720 (43.9)
Continuous Output kW(HP)/rpm	11.9 (16.0)/3600	12.7 (17)/3600	12.7 (17)/3600	14.2 (19)/3600	14.9 (20)/3600
Maximum Output (Gross) kW(HP)/rpm	15.3 (20.5)/3600	16.4 (22.0)/3600	16.4 (22.0)/3600	18.7 (25.0)/3600	19.4 (28.0)/3600
Maximum Torque N•m[kgf•m] (lbf•ft)/rpm	44.3[4.52] (32.7)/2200	45.6[4.65] (33.6)/2500	45.6 [4.65] (33.6)/2500	51.0[5.2] (37.6)/2800	52.2[5.32] (38.5)/2800
Direction of Rotation	Counter clockwise as viewed from PTO shaft side				
Fuel	Automobile (unleaded) gasoline				
Lubricant	Engine Oil SE 10W-30, 20W, 30W or higher				
Lubricant Type	Full Pressure w/ Trochoid pump, Oil cooler and Spin-on, full-flow oil filter				
Lubricating Oil Capacity U.S. Quarts (fluid oz)	1.64 (52)				
Carburetor/EFI	Float				Fuel Injection
Ignition System	Transistorized				
Spark Plug	NGK BPR5ES or NGK BPR4EY				
Governor	Centrifugal Flyweight Type				
Dry Weight lbs (kg)	97 (44)	97 (44)	93 (42)	101 (46)	101 (46)
Dimensions (LxWxH) mm (in)	317x477x475 (12.48x18.78x18.70)	317x477x475 (12.48x18.78x18.70)	475x469x353 (18.7x18.46x13.9)	317x477x480 (12.48x18.78x18.90)	317x477x480 (12.48x18.78x18.90)
Lighting Coil	12V 15amp & 30amp regulated				
Electric Start	12V-DC				
Air Cleaner STD: Semi Dry	Dual Element STD— Optional Donaldson® with Pre-Cleaner				
Speed Control STD: Lever	Cable (Remote) Speed Control, High Speed Fix				
Oil Warning	Low Oil (Pressure Switch)				
Generator Specification	X	X	No	X	X

X: Option Available, -: Not Available

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