



SUBARU

Industrial Power Products

Robin EH engines

EH series

36/41/63/64/65/72-2



**Air cooled 4 cycle
OHV Gasoline Engine**



EH series

The Robin EH series

Heavy duty

The EH series is designed as the heaviest duty engine series featuring cast iron cylinder sleeve and forged steel crankshaft with dual ball bearing supports.

Economy

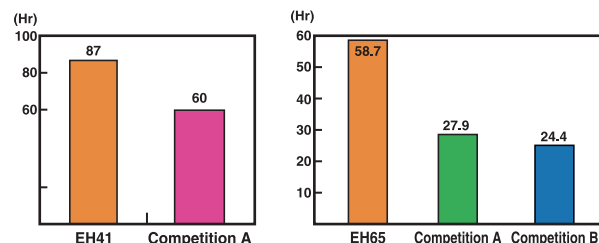
Oil consumption of EH series is minimized by the advanced features such as 3-piece oil ring, breather system, valve stem seal and high cooling efficiency.

This realizes economy run and longer interval in oil maintenance.

Environmental friendly

The EH series is engineered to meet or exceed all governmental emission regulations while providing superior performance and long life.

Running time without oil re-fill



EH36/41 series

OHV Single Cylinder, Gasoline Engine

Easy starting

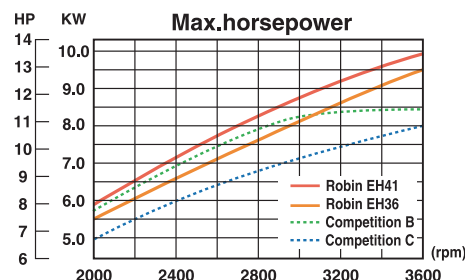
Reliable and easy starting of EH36/41 series is realized by the combination of the light recoil pulling force, the result of the large diameter recoil reel, the well balanced automatic compression release system and the automatic ignition timing adjustment system.

Powerful

EH36/41 series produces the largest output, horsepower and torque, among 13HP class engines.

Low noise and less vibration

The low noise and smooth operation is achieved by the internally baffled large muffler, noise silencing air cleaner and the well balanced reciprocating parts.



EH63/64/65/72 series

OHV V-Twin Cylinder, Gasoline Engine

Powerful

EH63-72 series produces high torque over the entire speed range.

Good response, stable run

The EH63-72 series use a flyweight type governor that is quite responsive to load changes.

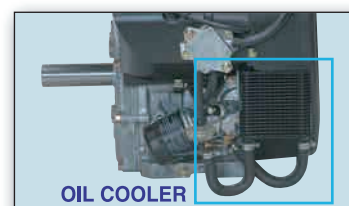
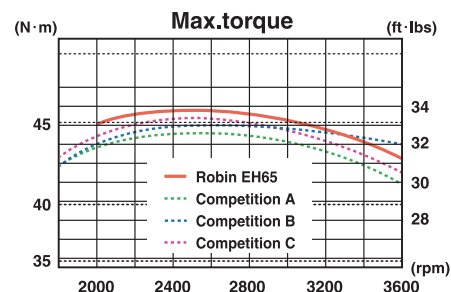
Also, the governor of EH63-72 series controls engine speed fluctuation within 5%.

Clean and economy

The OHV design with the high efficiency down draft carburetor realizes extreme fuel efficiency and low emission.

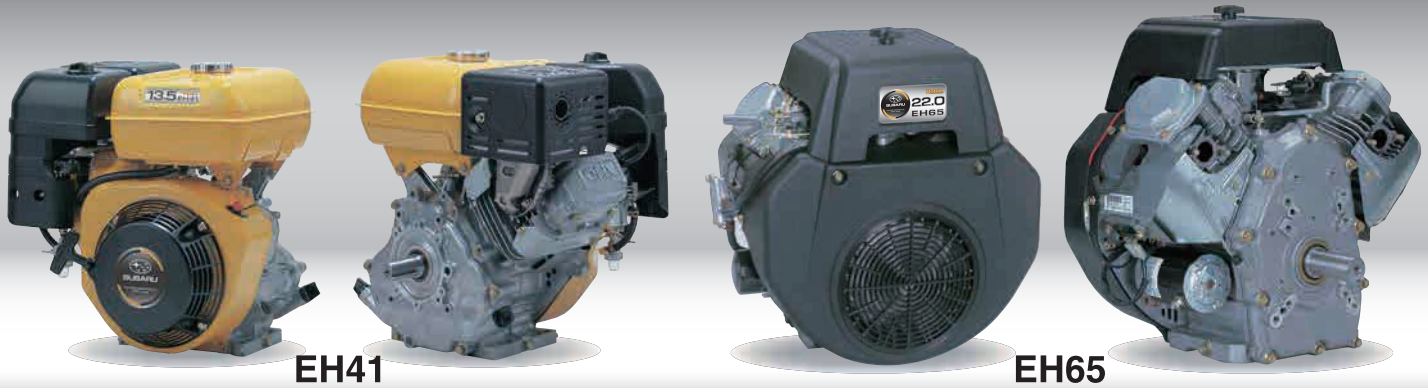
Durability

The oil cooler is equipped for EH72 as a standard specification. Its purpose is to keep the durability against the higher cylinder temperature caused by the larger displacement than EH65.



EH36•41 / EH63•64•65•72-2

The heaviest duty engines.



SPECIFICATIONS

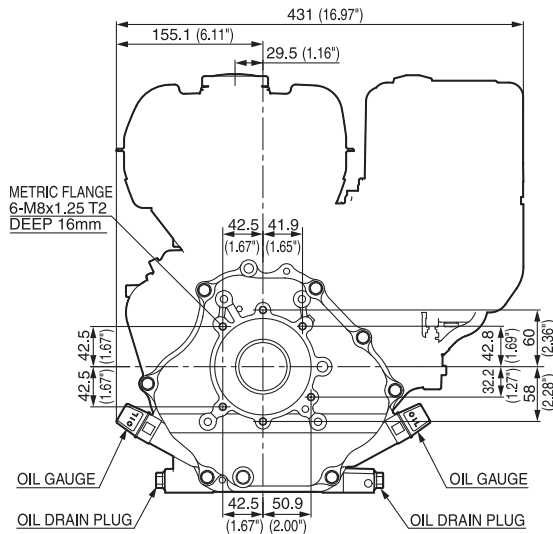
Model	EH63	EH64	EH65	EH72-2
Type	Air-cooled, 4-Stroke, V-twin cylinder, Horizontal PTO shaft, OHV, Gasoline engine			
Number of Cylinders - Bore×Stroke mm(in.)	2-80×65 (3.15×2.56)			2-84×65 (3.31×2.56)
Piston Displacement mL(cu. in.)	653 (39.8)			720 (43.9)
Continuous Output kW[PS](HP)/rpm	10.1 [13.7] (13.5)/3000 10.8 [14.7] (14.5)/3600	10.8 [14.7] (14.5)/3000 11.9 [16.2] (16.0)/3600	11.2 [15.2] (15.0)/3000 12.7 [17.2] (17.0)/3600	11.9 [16.2] (16.0)/3000 14.2 [19.3] (19.0)/3600
Maximum Output (Gross) kW[PS](HP)/rpm	13.4 [18.3] (18.0)/3600	15.3 [20.8] (20.5)/3600	16.4 [22.3] (22.0)/3600	18.7 [25.4] (25.0)/3600
Maximum Torque N·m[kgf·m](lbf·ft)/rpm	43.3 [4.41] (31.9)/2000	44.3 [4.52] (32.7)/2200	45.6 [4.65] (33.6)/2500	51.0 [5.2] (37.6)/2800
PTO Shaft Rotation	Counterclockwise (from PTO shaft side)			
Fuel	Automobile unleaded gasoline			
Fuel Tank Capacity liter(US gal.)	—			
Lubricant	Automobile oil SAE #20, #30 or 10W-30, class SE or higher			
Oil Capacity liter(US gal.)	1.55 (0.41) (including oil filter)			
Carburetor	1-Barrel down draft type			2-Barrel side draft type
Ignition System	Flywheel magneto (solid state)			
Spark Plug	NGK BPR5ES			
Starter	Electric starter			
Governor	Centrifugal flyweight type			
Lubrication System	Full pressure with Trochoid pump and Spin-on, full-flow oil filter			Full pressure with Trochoid pump, Oil cooler and Spin-on, full-flow oil filter
Air Cleaner	Dual element type			
Charging Capacity V-A	12 - 15			
Dry Weight kg(lb)	44 (97.0)			46 (101.3)
Dimension Length x Width x Height mm(in.)	317×477×475 (12.48×18.78×18.70)			317×477×480 (12.48×18.78×18.90)

OPTIONS

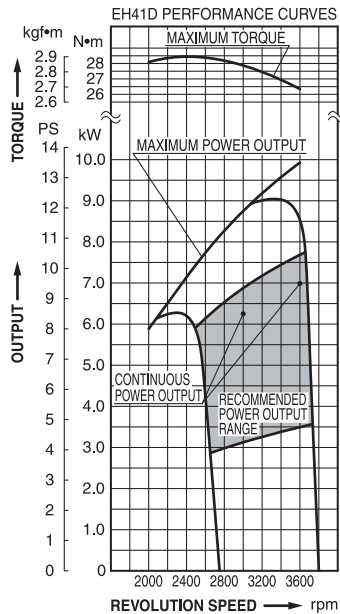
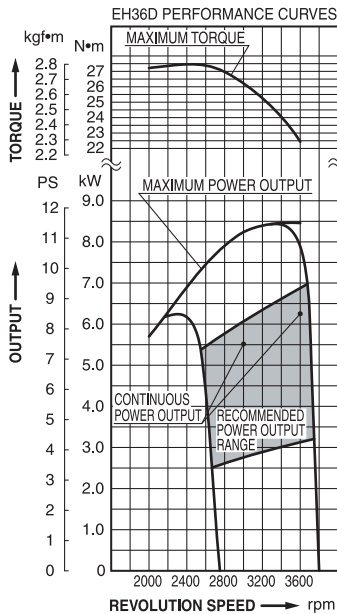
Model	EH63	EH64	EH65	EH72-2
Charging Capacity (STD : 12V-15A)	12V-30A			
Air Cleaner (STD : Dual element type)	Heavy duty type (Canister air cleaner)			
Muffler (STD : Less)	High mount type, Side mount type (Left or right), Exhaust deflector, Spark arrestor			
Speed Control (STD : Lever)	Cable (Manual & Remote) speed control, High speed fix			
Oil Alert (STD : Less)	Oil pressure switch (STD) + Control box as option			

○ : Option available, — : Not available

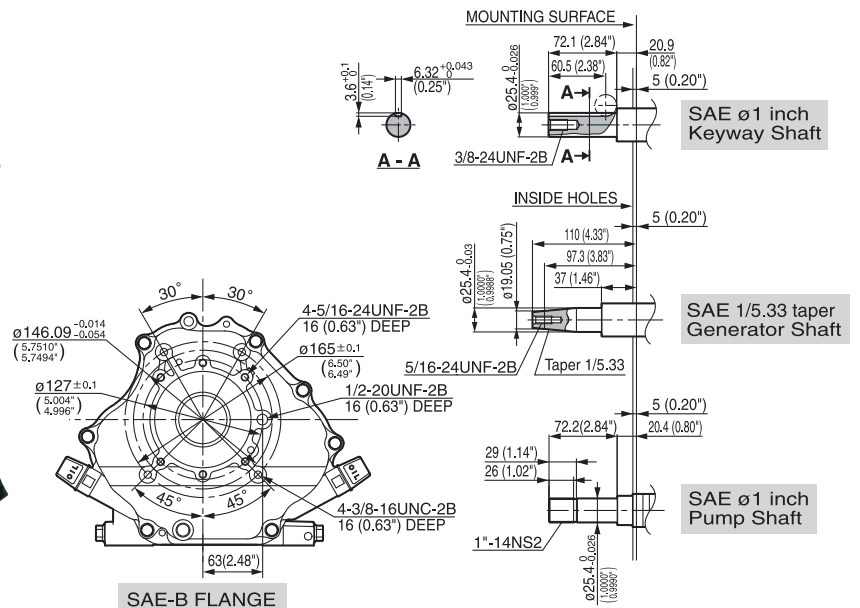
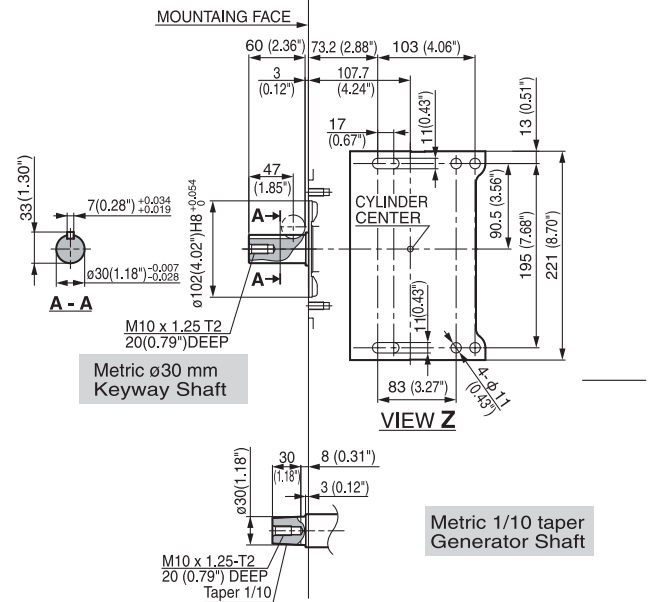
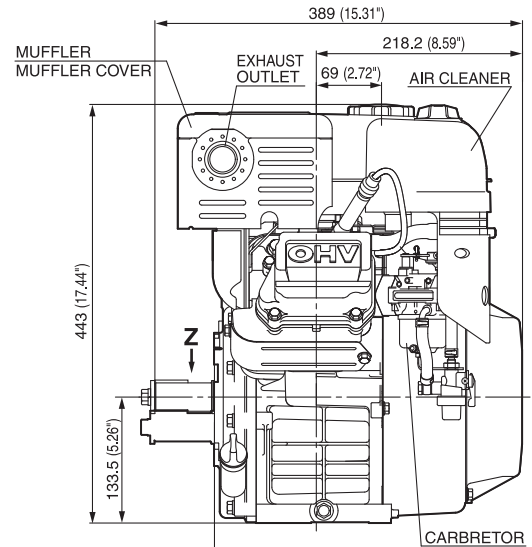
EH36/41



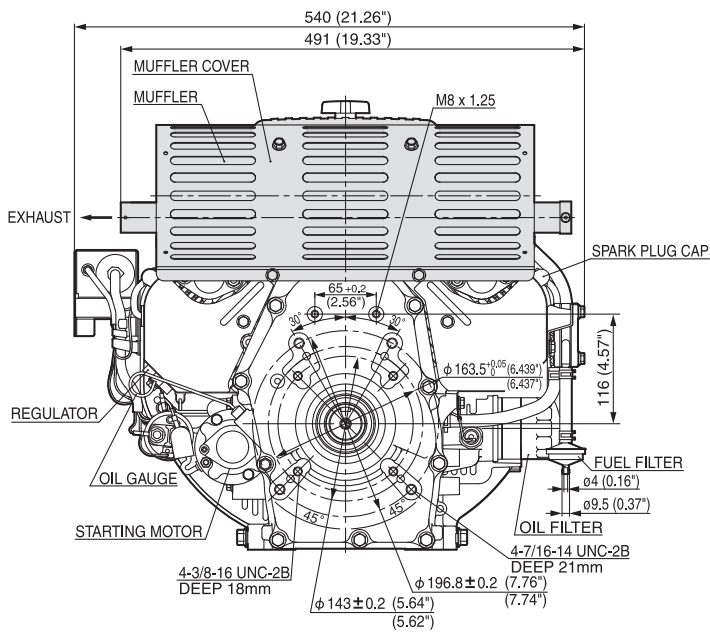
METRIC FLANGE



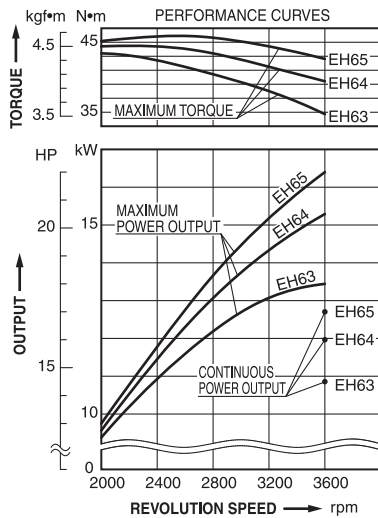
Power curves are corrected to standard sea level atmospheric condition and are developed from test engines equipped with standard air cleaner and muffler.



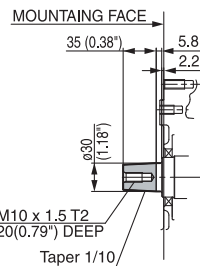
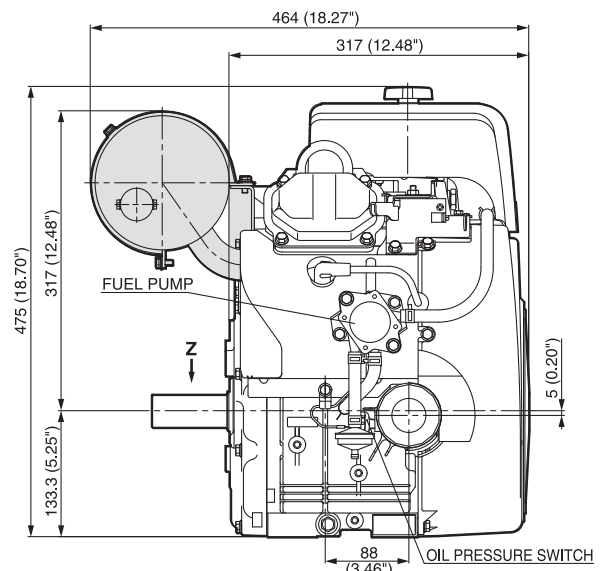
EH63/64/65



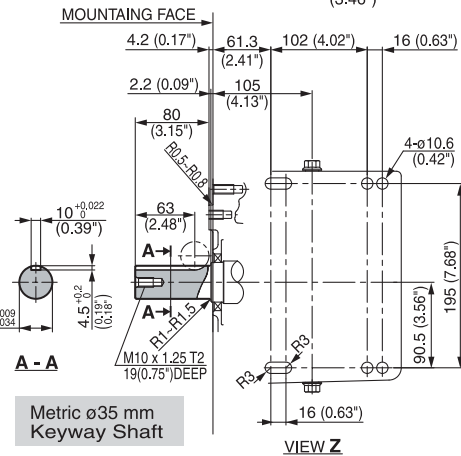
METRIC FLANGE



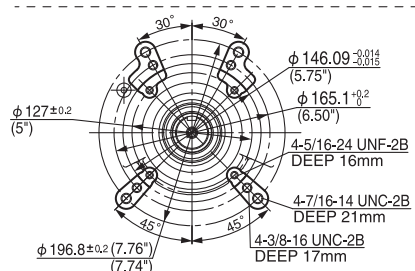
Power curves are corrected to standard sea level atmospheric condition and are developed from test engines equipped with standard air cleaner and muffler.



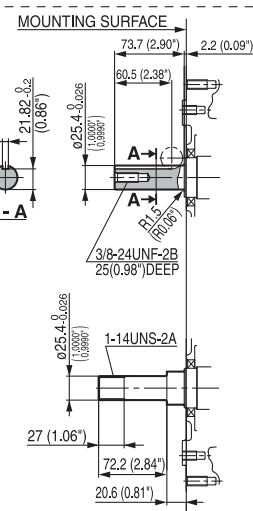
Metric 1/10 taper Generator Shaft



Metric ø35 mm Keyway Shaft



SAE-B FLANGE

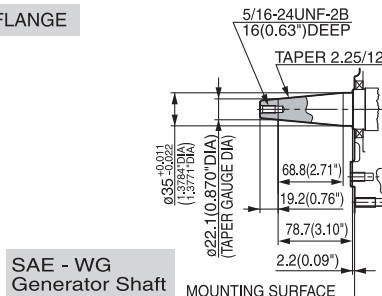


SAE ø1 inch Keyway Shaft

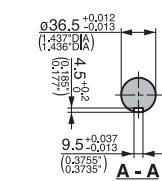
SAE ø1 inch Pump Shaft



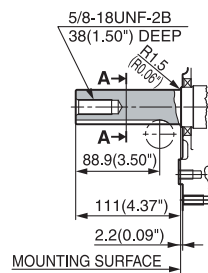
*Muffler as option



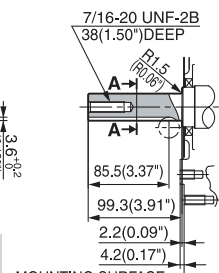
SAE - WG Generator Shaft



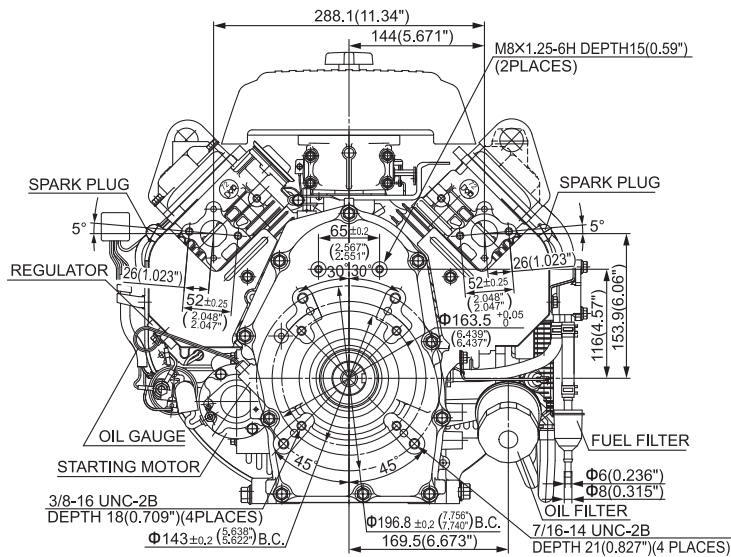
SAE - DU2 Keyway Shaft



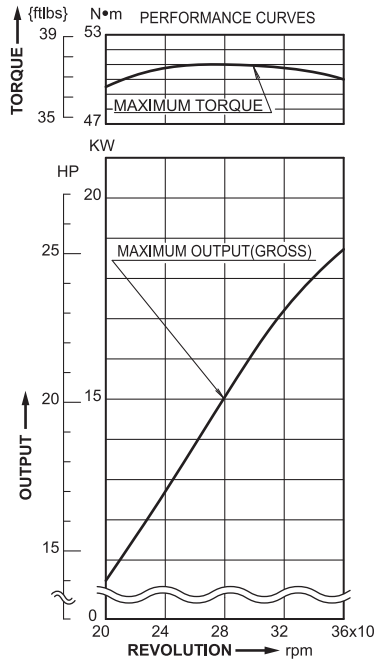
SAE - DU3 Keyway Shaft



EH72-2



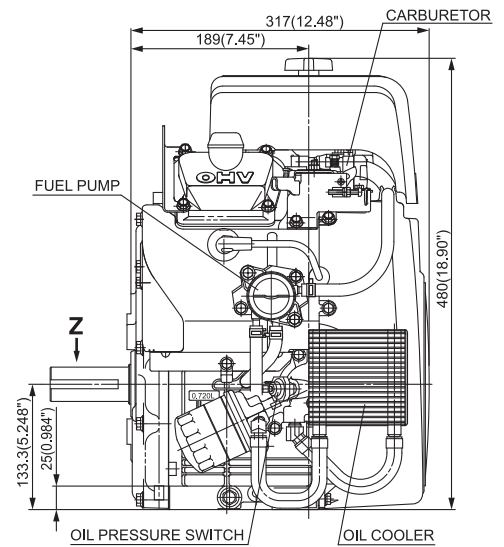
METRIC FLANGE



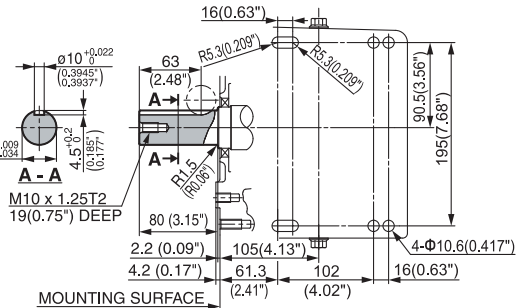
The horse power ratings shown herein are established in accordance with the Society of Automotive Engineers Code-J1349.



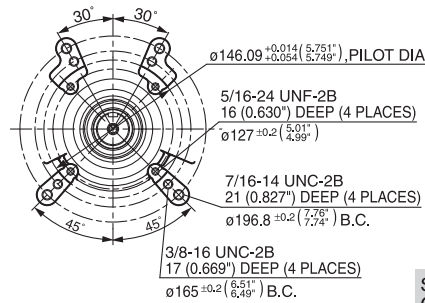
*Muffler as option



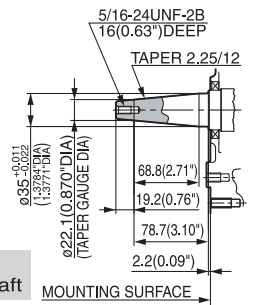
Metric $\Phi 35$ mm Keyway Shaft



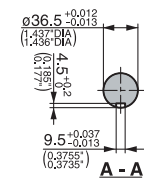
VIEW Z



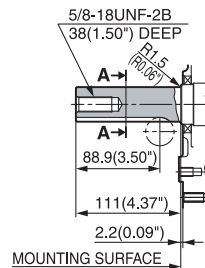
SAE-B FLANGE (OPTION)



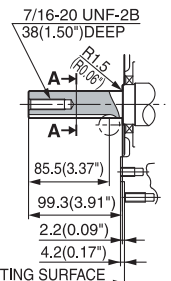
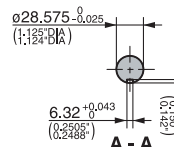
SAE - WG Generator Shaft



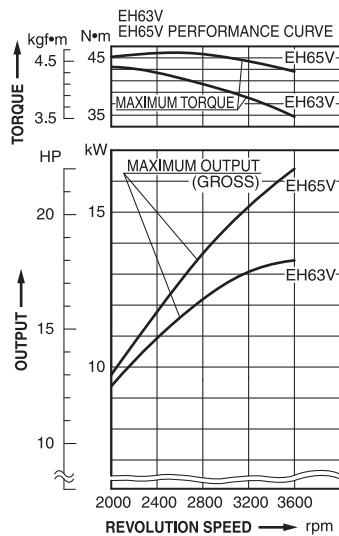
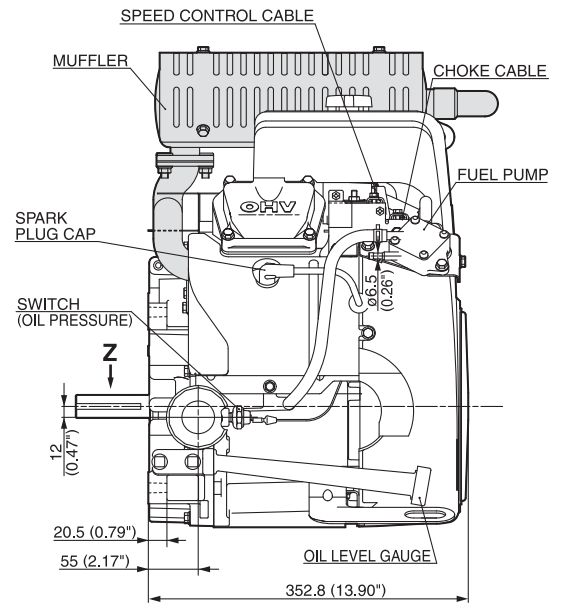
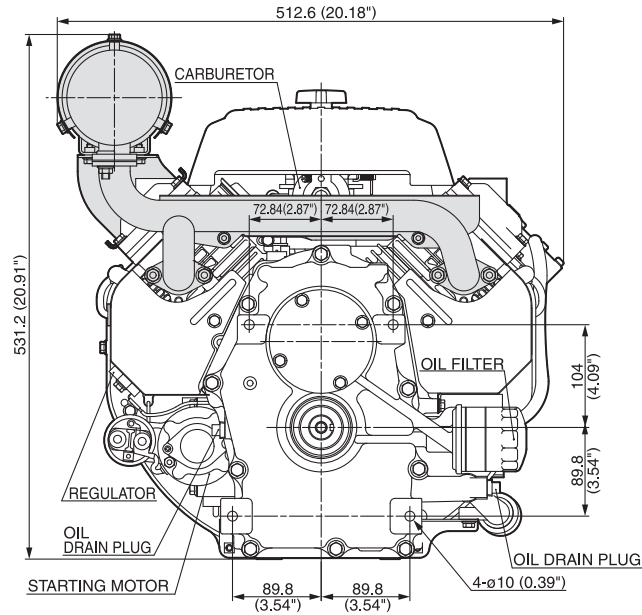
SAE - DU2 Keyway Shaft



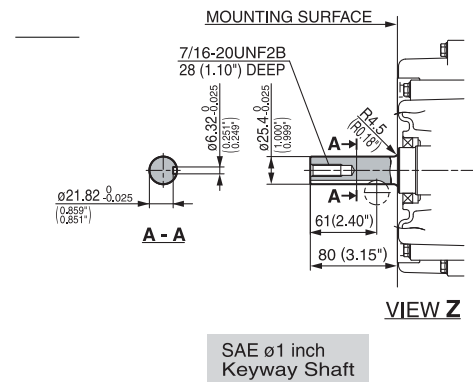
SAE - DU3 Keyway Shaft



EH63V/65V



Power curves are corrected to standard sea level atmospheric condition and are developed from test engines equipped with standard air cleaner and muffler.



*Muffler as option

SPECIFICATIONS

Model	EH36	EH41	EH63V	EH65V
Type	Air-cooled, 4-cycle, single-cylinder, horizontal PTO shaft, OHV, gasoline engine		Air-cooled, 4-cycle, V-Twin cylinder, vertical PTO shaft, OHV, gasoline engine	
Bore x Stroke mm (in.)	89x65(3.50x2.56)		80x65(3.15x2.56)	
Piston displacement ml (cu.in.)	404(24.65)		653(39.9)	
Continuous output kW[PS](HP)/rpm	5.57.5/3000 6.38.5/3600	6.38.5/3000 7.09.5/3600	10.814.5/3600	12.717.0/3600
Maximum output kW[PS](HP)/rpm	8.511.5/3600	9.913.5/3600	13.418.0/3600	16.422.0/3600
Maximum torque N·m[kgf·m] (lbf·ft)/rpm	27.5[2.80] (20.25)/2500	28.4[2.90] (20.98)/2500	43.3[4.41] (31.91)/2000	45.6[4.65] (33.63)/2500
Direction of rotation	Counter clockwise as viewed from PTO shaft side		Counter clockwise as viewed from PTO shaft side	
Fuel	Automobile unleaded gasoline		Automobile unleaded gasoline	
Fuel Tank capacity liter(US gal.)	7.0(1.85)		—	
Lubricant	Automotive oil SAE#20, #30 or 10W-30, class SE or higher		Automobile oil SAE#20, #30 or 10W-30, class SE or higher	
Lubrication	Splash type		Full pressure type(with Trochoid pump)	
Lubricating Oil capacity liter (US gal.)	1.2(0.32)		2.0(0.53)	
Carburetor	Horizontal draft, float type		Horizontal draft, float type	
Ignition System	Flywheel magneto(solid state)		Flywheel magneto(solid state)	
Spark Plug	NGK BP6ES		NGK BP6ES	
Governor	Centrifugal flyweight type		Centrifugal flyweight type	
Dry weight kg (lb)	31.0(68.2)		44(96.8)	
Dimension length x width x height mm (in.)	389x431x443 (15.31x16.97x17.44)		353x469x475 (13.90x18.46x18.70)	

OPTIONS

Model	EH36	EH41	EH63V	EH65V
Lighting Coil	12V-15W, 40W, 150W		12V-15W (STD), 30W	
Starter STD : Recoil	Rotating screen		—	
Electric Starter	○	○	STD	STD
Air Cleaner STD : Semi Dry	Dust proof, Cyclone (Chimny), Box type		Dual element	
Muffler	Deflector, Spark arrestor		STD : LESS / Deflector, Spark arrestor	
Speed Control STD: Lever	Cable(Remote)speed control, High speed Fix		Cable(Manual & Remote)speed control	
Fuel Tank option	+Gauge		—	
Separate liter(US gal.)	16(4.23)	16(4.23)	—	
Oil Sensor	○	○	Oil pressure switch (STD)	

Specifications are subject to change without notice.

○ : Option available, — : Not available



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