



Model		EX13	EX16	EX17	EX21		
Туре		Air-cooled, 4-cycle, slant single cylinder, OHC, horizontal PTO shaft					
Bore x Stroke	mm (in.)	58 x 48 (2.28x1.89)	67×48 (2.64×1.89) 67×60 (2.		67×60 (2.64×2.36)		
Piston displacement	ml (cu.in.)	126 (7.69)	169 (10.31)		211 (12.87)		
Continuous output	kW[PS](HP)/rpm	1.92.6/3000 2.23.0/3600	1.92.6/3000 2.23.0/3600	2.63.5/3000 2.94.0/3600	3.24.4/3000 3.75.0/3600		
Maximum output	kW[PS](HP)/rpm	3.24.3/4000	3.24.3/4000	4.25.7/4000	5.17.0/4000		
Maximum torque	N·m[kgf·m](lbf·ft)/rpm	8 1[0 83](6 01)/2500	8.1[0.83](6.01)/2500	11.3[1.15](8.34)/2500	13.9[1.41](10.26)/2500		
Direction of rotation		Counter clockwise as viewed from PTO shaft side					
Fuel		Automobile (unleaded) gasoline					
Fuel Tank capacity	liter(US gal.)	2.3 (0.61)	3.2 (0.85)				
Lubricant		Engine oil SAE 10W-30, 20W, 30W					
Lubrication		Mechanical splashing type					
Lubricating oil capacity	liter (US gal.)	0.6 (0.156)					
Carburetor		Float type					
Ignition system		Transistorised					
Spark plug		TORCH E6RC (NGK BR6HS)					
Starter		Recoil starter					
Governor		Centrifugal flyweight type					
Dry weight	kg (lb)	14 (30.9)	15 (33.08)		16 (35.28)		
Dimension leng	th x width x height mm (in.)	297 x 341 x 318 (11.69x13.43x12.52)	303.5×3 (11 . 95×14	359×335 4.13×13.19)	311.5×370×335 (12.26×14.57×13.19)		

Specifications are subject to change without notice

Model		EX27	EX35	EX40		
Туре		Air-cooled, 4-cycle, slant single cylinder, OHC, horizontal PTO shaft				
Bore x Stroke	mm (in.)	75×60 (2.95×2.36)	89×65 (3.50×2.56)			
Piston displacement	ml (cu.in.)	265 (16.17)	404 (24.65)			
Continuous output	kW[PS](HP)/rpm	4.46.0/3000 5.17.0/3600	5.57.5/3000 6.38.5/3600	6.38.5/3000 7.09.5/3600		
Maximum output	kW[PS](HP)/rpm	6.69.0/4000	Net 7.410.0/3600 Gross 8.812.0/3600	Net 8.812.0/3600 Gross 10.314.0/3600		
Maximum torque	N·m[kgf·m] (lbf·ft)/rpm	18.6[1.9](13.74)/2500	Net 26[2.65](19.18)/2400 Gross 27.5[2.80](20.28)/2400	Net 27[2.75](19.91)/2400 Gross 28.5[2.91](21.02)/2400		
Direction of rotation		Counter clockwise as viewed from PTO shaft side				
Fuel		Automobile (unleaded) gasoline				
Fuel Tank capacity	liter(US gal.)	5.6 (1.48)	6.8 (1.80)			
Lubricant		Engine oil SAE 10W-30, 20W, 30W				
Lubrication		Mechanical splashing type				
Lubricating oil capacity	liter (US gal.)	1.0 (0.260)	1.2 (0.32)			
Carburetor		Float type				
Ignition system		Transistorized				
Spark plug		TORCH E6RC (NGK BR6HS)				
Starter		Recoil starter				
Governor		Centrifugal flyweight type				
Dry weight	kg (lb)	21 (46.31)	33 (72.75)			
Dimension leng	gth x width x height mm (in.)	351×420×410 (13.82×16.54×16.14)	389x446x447 (15,31x17,56x17.60)			

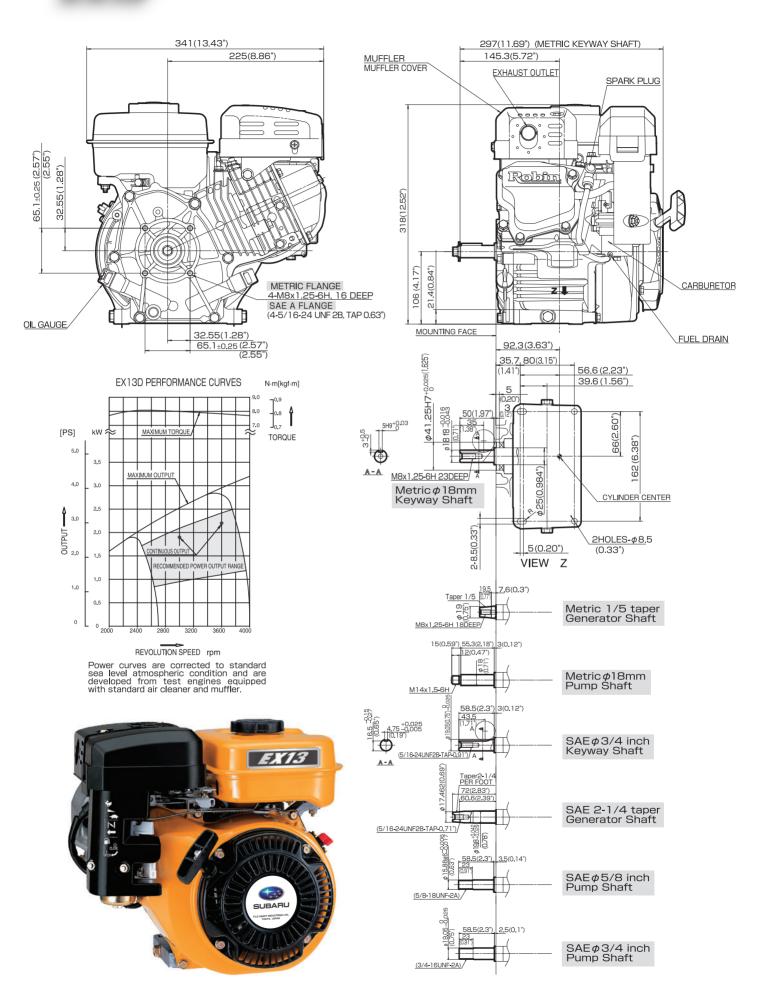
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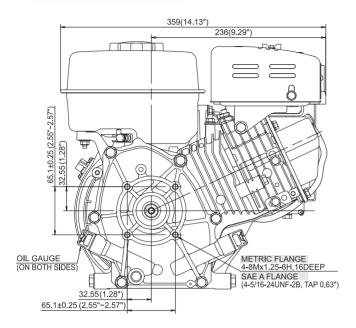
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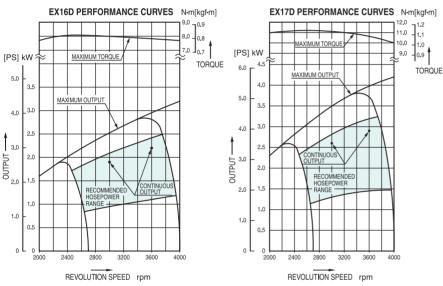
1-1-21, Irifune, Chuo-ku, Tokyo 104-0042, Japan TEL:+81-3-6228-3657 FAX:+81-3-3553-7114 http://www.subaru-robin.jp







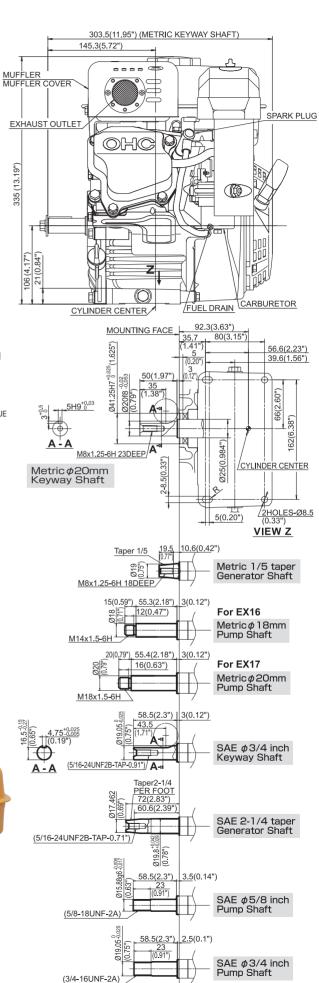




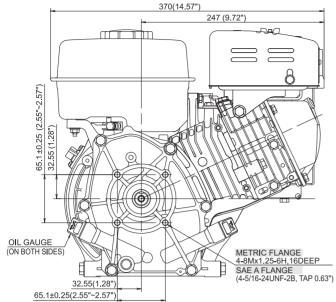
NOTE) 1.ABOVE PERFORMANCE DATA ARE CONVERTED INTO STANDARD ATMOSPHERIC CONDITION'S DATA.

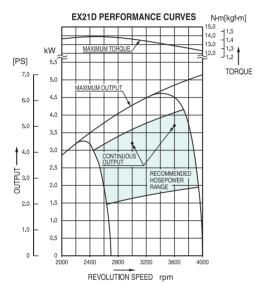
2. ABOVE PERFORMANCE CURVES ARE ESTABLISHED IN ACCORDANCE WITH JIS B-8017.







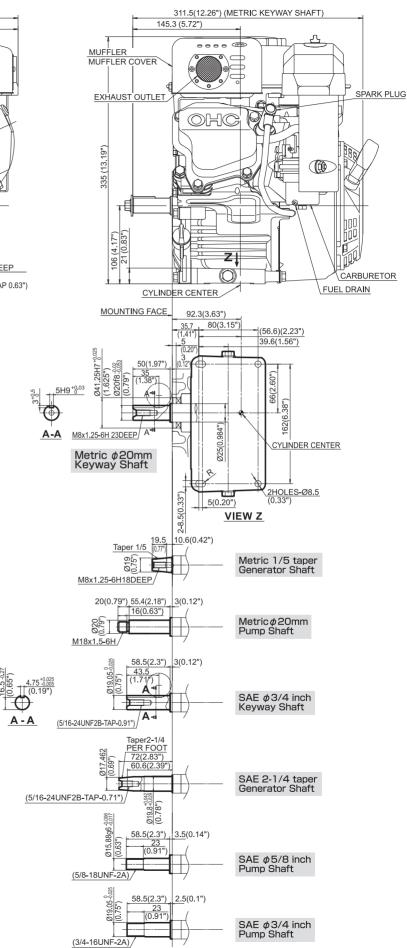




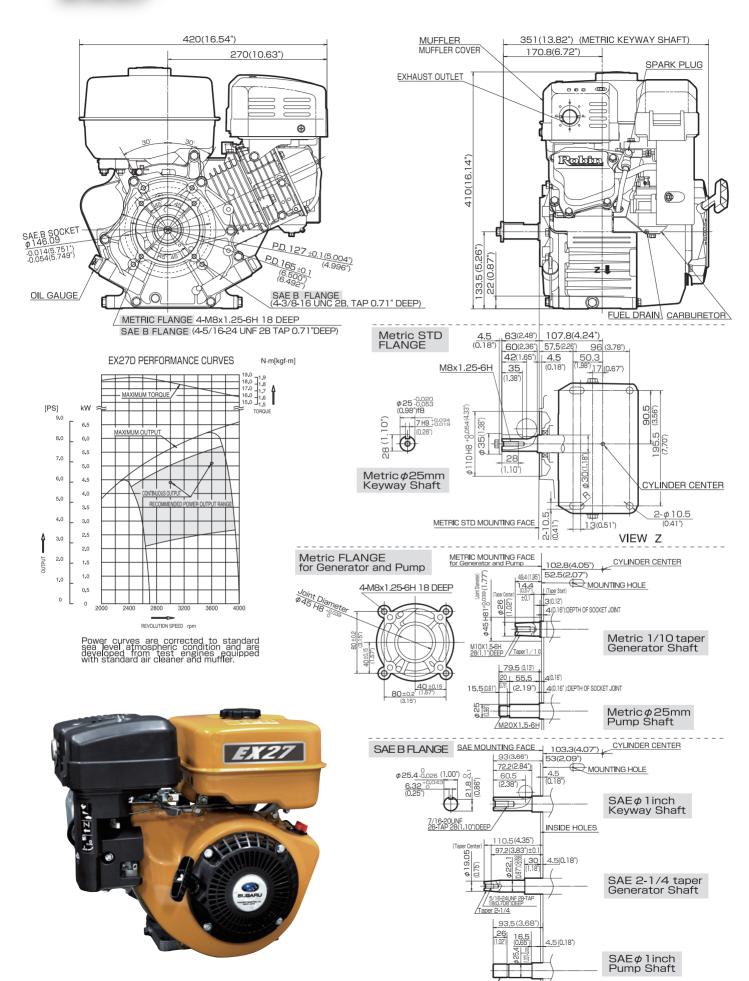
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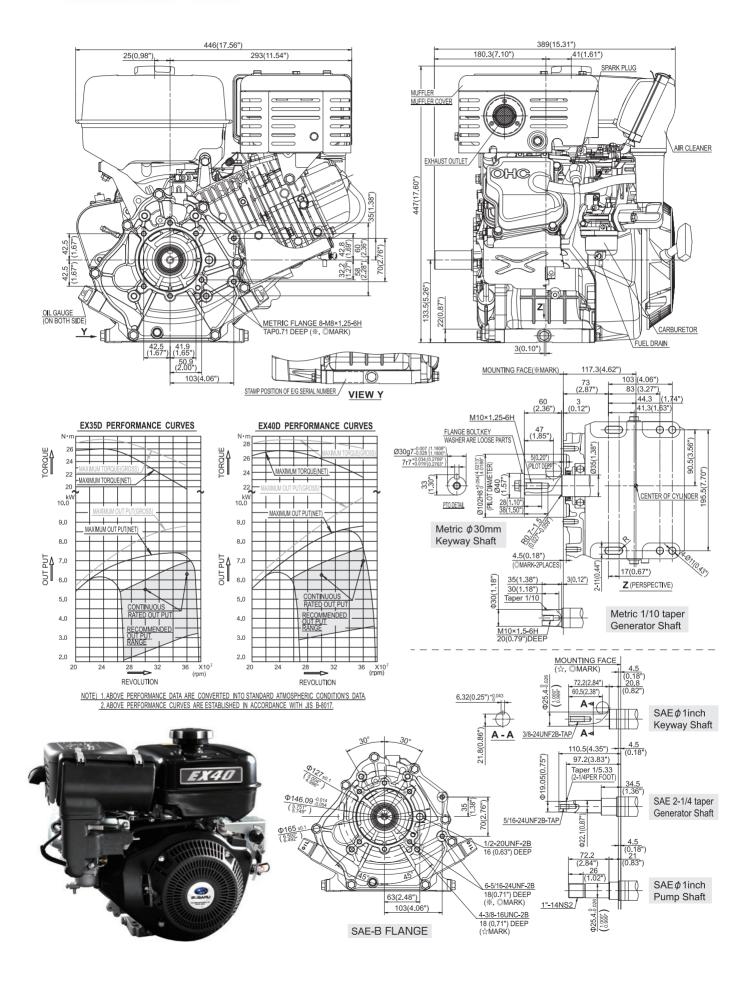






<u>/1"-14NS2</u>

EX35/40



That's Extreme!

EX engines are superior to engines in the same class.

EXtremely Advanced Technology

Extreme reliability and durability are achieved by:

- Heavy Duty Chain Driven OHC System
 Oval type case-hardened steel links enhance performance and resist stretching, which result in extended maintenance free operation.
- Completely New Main Bearing Cover Design
 Flush-mounted main bearing cover with lower
 moment of deformation significantly increases
 reliability and engine life.
- Superior Cooling and Lubrication System
 Engine life is extended through the high efficient cooling and precision lubrication systems.
 Large cooling fins are engineered into the crankcase, cylinder and mounting base.
- **Large Ball Bearings** on both ends of crankshaft for maximum stability under demanding loads.
- Cast Iron Cylinder Liner resists wear.



Slant Cooling Fins on Cylinder



Cooling Fins inside Crankcase

EXtreme Power and Performance

Extremely Higher Power and

Lower Fuel Consumption are realized by:

- High speed and homogeneous combustion achieved by sophisticated Pentroof Combustion Chamber which includes Intake and Exhaust Valves located at optimum angle.
- Straight Intake Port with minimal air flow resistance.

Environmentally friendly.

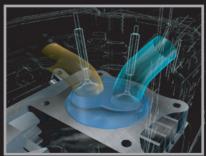
EX-Premium engines comply with EPA and CARB Emission Regulations in the USA.

Extreme application compatibility

With four versatile models, existing competitive slant-cylinder engines can easily be replaced.



Lubrication System



Combustion Chamber