

OVERHEAD CAM

EX27 EX SERIES

Combining advanced technology with experienced craftsmanship, Subaru Robin's EX Series engines are leading the industry.



With four models ranging from 4.5- to 9-horsepower, these engines are superior to competitors in the same class. After all, it's the first air-cooled engine line to use advanced chain-driven overhead cam (OHC) technology to ensure more power, less noise and easy, one-pull starting every time.

ADVANCED TECHNOLOGY

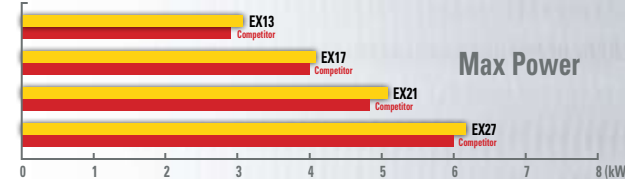
Subaru Robin's EX Series engines take technology to the extreme. Using chain-driven overhead cam (OHC) technology, these workhorses provide maximum efficiency, performance and power, along with minimal noise and emissions.

Extremely easy starting with no kick-back:

- An automatic decompression system offers easier starting, reducing the required pulling force by 30 to 40 percent.
- EX engines start instantly even at temperatures as cold as -10 C without any perceptible kick-back.

More power means superior performance:

- Pent roof combustion chamber allows for a high compression ratio of up to 9:1.



Less noise:

- 33 percent fewer moving valve train parts than OHV designs and reduced mechanical noise ensures noise levels a full 2 dbA below competitive models.

LONG LIFE AND EASY MAINTENANCE

These engines take a lot of abuse, which is why they were built with longevity in mind. A cooler running design and heavy-duty interior parts ensure maximum uptime. When maintenance is performed, EX Series engines require no special tools and have high parts commonality between models.

- The patent-pending cooling design features a slanted cylinder and 360-degree airflow around both the exhaust and intake valve stem areas.
- Heavy-duty piston rings and a cast-iron cylinder liner resist wear and ensure a long engine life.
- A case-hardened steel timing chain allows for precision timing and maximum durability.

FACTORY OPTIONS

- Charging System up to 200 watts*
- Electronic Low Oil Shut-Off System
- Key, Tapered or Threaded Shafts
- Manual or Cable Remote Throttle Control
- Solenoid-Actuated Idle Control
- Manual or Remote Control Choke
- Multiple Air Cleaner Options

Low-profile Air Cleaner



Accommodates a compact design for generator applications.

Cyclone Pre-cleaner



Ensures engine protection even in high dust environments.

Extra-large, Extremely Quiet Muffler



Offers exceptional noise reduction.

Electric Start*



For quick, convenient and easy starting.

*for 6 hp and above



EX13

4.5 HP



EX17

6.0 HP



EX21

7.0 HP



EX27

9.0 HP

BENEFITS

#1 - Industry leading chain-driven overhead cam offers superior power and performance.



#2 - Optimized-capacity rigid muffler for noise reduction 2 decibels below competitor models.



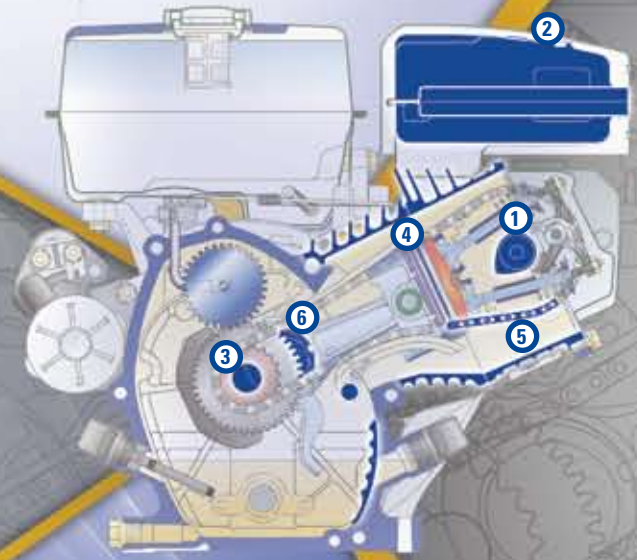
#3 - Dual ball bearing crankshaft support offers maximum stability under demanding loads.



#4 - Pent roof combustion chamber enables optimum intake and exhaust valve placement for maximum engine performance and efficiency.



KEY FEATURES



- 1 Chain-driven overhead cam
- 2 Optimized-capacity rigid muffler
- 3 Dual ball bearing crankshaft support
- 4 Pent roof combustion chamber
- 5 Case-hardened steel timing chain
- 6 Lubrication holes for the critical rod journal

CUTAWAY

SPECIFICATIONS



EX17



EH36



EH65



EH09



EH025

	Model	Type	Piston Displacement (cc)	Maximum output (HP/rpm)	Maximum torque (ft•lb/rpm)	Dry weight (lb)
OVERHEAD CAM	EX13	Air-cooled, 4-cycle, slant single cylinder, OHC, horizontal PTO shaft	126 cc	4.3/4000	6.01/2500	31
	EX17	Air-cooled, 4-cycle, slant single cylinder, OHC, horizontal PTO shaft	169 cc	5.7/4000	8.34/2500	33
	EX21	Air-cooled, 4-cycle, slant single cylinder, OHC, horizontal PTO shaft	211 cc	7.0/4000	10.26/2500	35
	EX27	Air-cooled, 4-cycle, slant single cylinder, OHC, horizontal PTO shaft	265 cc	9.0/4000	13.74/2500	46
OHV SLANT	EH36	Air-cooled, 4-cycle, slant cylinder, horizontal shaft, overhead valve, gasoline engine	404 cc	11.5/3600	20.3/2500	68
	EH41	Air-cooled, 4-cycle, slant cylinder, horizontal shaft, overhead valve, gasoline engine	404 cc	13.5/3600	21.0/2500	68
OHV V-TWIN	EH63	Air-cooled, 4-cycle, V-twin cylinder, horizontal shaft, overhead valve, gasoline engine	653 cc	18.0/3600	31.9/2000	97
	EH64	Air-cooled, 4-cycle, V-twin cylinder, horizontal shaft, overhead valve, gasoline engine	653 cc	20.5/3600	32.7/2200	97
	EH65	Air-cooled, 4-cycle, V-twin cylinder, horizontal shaft, overhead valve, gasoline engine	653 cc	22.0/3600	33.6/2500	97
	EH72	Air-cooled, 4-cycle, V-twin cylinder, horizontal shaft, overhead valve, gasoline engine	720 cc	25.0/3600	39.6/2500	101
	EH63V	Air-cooled, 4-cycle, V-twin cylinder, vertical shaft, overhead valve, gasoline engine	653 cc	18.0/3600	31.9/2000	93
	EH65V	Air-cooled, 4-cycle, V-twin cylinder, vertical shaft, overhead valve, gasoline engine	653 cc	22.0/3600	33.6/2500	93
RAMMER	EH09	Air-cooled, 4-cycle, single cylinder, horizontal shaft, overhead valve, gasoline engine	86 cc	2.4/3600	3.5/3200	21
	EH12	Air-cooled, 4-cycle, single cylinder, horizontal shaft, overhead valve, gasoline engine	121 cc	4.0/4000	5.5/2600	34
MICRO	EH025	Air-cooled, 4-cycle, OHV engine	24.5 cc	1.1/7000	0.87/5000	6
	EH035	Air-cooled, 4-cycle, OHV engine	33.5 cc	1.60/7000	1.30/5000	8
	EH035V	Air-cooled, 4-cycle, OHV engine	33.5 cc	1.60/7000	1.30/5000	8

Specifications subject to change without notice.

