

OVERHEAD CAM

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

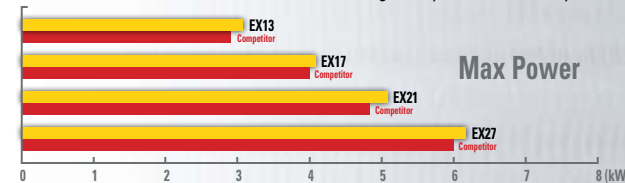
Subaru Robin's EX Series engines take technology to the extreme. Using chain-driven overhead cam (OHC) technology, these workhorses provide maximum efficiency, performance and power, along with minimal noise and emissions.

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.

*for 6 hp and above

Extra-large, Extremely Quiet Muffler



Offers exceptional noise reduction.

Electric Start*



For quick, convenient and easy starting.



4.5 HP



6.0 HP



7.0 HP



9.0 HP

EX13

EX17

EX21

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

BENEFITS

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



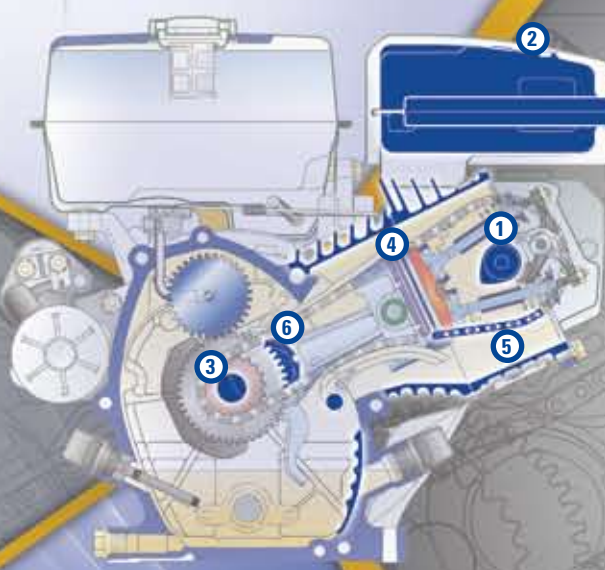
#2 - Optimized-capacity rigid muffler for noise reduction 2 decibels below competitor models.



#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.



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.

