

## Honda Engines - Gasoline



These overhead valve, horizontal shaft engines are the workhorse of the industry.

- 5.5 to 24 HP
- meets CARB and EPA standards

Part No.	Description - OHV	HP	Model No.
661254	Recoil Start 18 Amp Chgng	9	GX270QAR2
661408	Recoil Start	9	GX270QA2
661229	Recoil Start	5.5	GX160K1Q2
661286	Recoil Start	6.5	GX200K1QX
661293	Recoil Start	11	GX340K1QA2
661409	Electric Start	11	GX340QA3
661282	Recoil Start 18 Amp Chgng	11	GX340QA2
661364	Elec Start 18 Amp Chgng	11	GX340QNR2
661263	Recoil	11	GX340K1QA2
661291	Recoil	13	GX390K1QA2
677375	Elect Start 18 Amp Chgng	13	GX390KKQNR2
661397	Twin Elect Start 20 Amp Chgng	20	GX620QAF1
661398	Twin Elect Start	24	GX670TAF

## Honda Engine Parts



Original Honda replacement parts from the factory. Filters are a great add-on to every service order.



091746



091970



091779



071779A

Part No.	Description - Honda
091970	18/20 HP, Oil Filter
091746	GX160, Air Filter
091775	GX240/270, Air Filter
091777	GX340, Air Filter
091779	GX610/620, Air Filter
091779A	GX610/620, Air Filter (new styl)

## Robin-Subaru Engine - Gasoline



- 200 Watt Charging System

Part No.	Description	HP	Model No.
661280	Manual Start	6.0	EX17
661278	Manual Start	7.0	EX21

## Briggs & Stratton Engines - Gasoline



Power to complete any job quicker and easier with less wear and tear on major engine components.

- State-of-the-art carburetion system
- 30% quieter muffler than competition
- Cast/sintered iron sleeve

Part No.	Description - OHV	HP	Model No.
661285	Vanguard Recoil Start	6	117432-0236-E1
661289	Vanguard Recoil Start	11	235432-0235-E1
661290	Vanguard Recoil Start	13	245432-0235-E1
661252	Vanguard Recoil Start	13	245436-0541-E1
661365	Twin Vanguard Elec Strt 20 Amp Chg	16	303447-1306-E1
661218	Twin Vanguard Elec Strt 20 Amp Chg	16	303447-1068-E1
661296	Twin Vanguard Elec Strt 20 Amp Chg	16	303447-1295-E1
661420	Twin Vanguard Electric Start	21	381447-0135-E1

## Briggs & Stratton Engine Parts



Genuine Briggs & Stratton replacement parts are available. Please provide engine model/type/code to assure proper fit of replacement parts.



091960



091954



091950

Part No.	Description
091960	16/18 HP Vanguard, Oil Filter
091950	5 HP Industrial, Air Filter
091952	8 or 11 HP IC, Air Filter
091954	16/18 HP Vanguard, Air Filter

## 12 VDC Starter Solenoid



Universal type used on many lawn and garden tractors and mowers.

- Double terminal – 5/16" – 24 studs
- Same as used on 16 HP B & S Vanguard engines
- Rated for intermittent duty (i.e. for starting small gasoline engines)

Part No.	Description
091357	12V DC Starter

## Keyed Ignition Switch - 12 VDC



- Universal style/5 pole
- Off-On-Start (spring back to On)
- Two keys included
- Has two auxiliary circuits
- Panel nut and star-lock washer
- Universal - used for small engine controls on many lawn and garden tractors, mowers

Part No.	Description	Part No.	Description
091350	5 pole	091351	6 pole

## Heavy-duty 15 Volt Voltage Regulator



- Eliminates need for battery on 12 volt recoil Hot-Water Washers

Part No.	Description
860273	Regulator, Voltage 15 Volts

## Deutz Diesel

Part No.	Description	HP	Model No.
661231	Electric Start	15	MD191E

## Baldor Motors - Open Drip Proof (ODP)

Industrial grade motors built specifically to meet or exceed the demands of the pressure washer industry.



- The industry standard
- U.L. Listed



1 PHASE  
56 FRAME



1 PHASE  
184T FRAME



3 PHASE  
184T FRAME

Part No.	Description	Hotsy Model No.	HP	Model No.
784285	115/230V 1725 RPM 1PH	500A	1.5	35R741R771G1
784297	115V 1PH	550	1.5	35Q370R022G1
784718	115V 1725 RPM 1PH	505C	1.5	35Q179R022
784304	115/230V 1725 RPM 1PH	555SS/558/559	2.0	35Q371R021G1
784719	115V 1725 RPM 1PH C-Face	680/A/SS	2.0	35Q178R021G1
784288	115/208/230V 3450 1PH	1710	2.0	35R613R717G1
785006	115V 1725 1PH C-Face	560/SS	2.3	35Q899R328G1
784101	208/230V 1725 1PH	770/SS/771/772	3.0	35M895T35G
783632	230V 1PH	E1530	3.0	35L252S655
784266	208/230V 1725 1PH	LX770	3.0	35M904S554G1
783649	208/230V 1725 RPM	870/SS	5.0	35G472W849
784439	200V 3PH	990SS/991SS/992SS	5.0	M3218T-8
890447	230V 1PH	980SS/981SS/987/989	5.0	36J800X811
890108	208/230/460V	990SS/991SS/992SS/ 993SS/994SS/995SS	5.0	M3218T
768506	230/460V 3PH	E2255	5.5	36H310X894G1
785106	230V 1725 RPM 1PH	1720	6.0	36J185X288G1
785142	200V 1800 RPM 1PH	1722	6.0	36J468Y852
785143	200V 1800 RPM 3PH	1723	6.0	36B101Y921H2
785107	208/230/460V 3PH	1724/1725	6.0	36B101Y483H2
785071	208/230V 1PH	1410SS/1411SS/1412SS	7.5	37H404W885G1
784437	230V 1725 RPM 1PH	1730	7.5	L1510T
784490	200V 3PH	1420SS/1421SS/1422SS	7.5	EM3311T-8
784771	208/230/460V 3PH	1734/1735/1420SS/1423SS	7.5	M3311T
784123	230/460V 1PH	1070/SS/1510/1511/1512	8.0	37G148W885G1
784124	230/460V 3PH	1520/1521/1522/1523/ 1524/1525	8.0	37G767X54G1
785108	230V 1725 RPM 1PH	1740/1750/1812SS/1852SS	10	L1512T
784644	200V 3PH	1822SS/1862SS	10	M3313T-8
784654	230/460V 1725 RPM 3PH	1744/1745/1754/1755/ 1822SS/1825SS/1862SS	10	M3313T
784668	575V 1725 RPM 3PH	1836SS/1856SS	10	M3313T-5
785966	200V 1800 RPM 1PH	1742/1752/1812SS-208/ 1852SS-208	10	37F340W875
784655	230/460V 1725 RPM 3PH	S5732-4/S5730-3/ S5735-3/S5733-1	15	M2513T
784027	208/230/460V 3PH	5730/5732/5733/5735	15	37F740X484G1
784669	200V 3PH	S5730-5/S5732-5-208V	15	M2513T-8
784673	575V 1725 RPM 3PH	2446/2456	15	M2513T-5

## Baldor Motors - Totally Enclosed Fan Cooled (TEFC)



**Totally enclosed** for special applications



- The industry standard
- U.L. Listed

Part No.	Description	Hotsy Model No.	HP	Model No.
<b>784264</b>	115/208/230V 1725 1PH	LX550	1.5	35E770S728G3
<b>784266</b>	208/230V 1725 1PH	LX770	3	35R735R770G1
<b>784312</b>	115/208/230V 1PH	LX680	2	35Q988R447G1
<b>784265</b>	115/208/230V 1PH	LX660	2	35N326T735G1
<b>785011</b>	230V 1PH	790SS	4	35Q988R447G1

## Emerson Motor



- U.L. Listed

Part No.	Description	Hotsy Model No.	HP	Model No.
<b>783684</b>	115/230V 1PH	E1220	2	610513

## A.O. Smith - Pressure Washer Motors

Excellent power efficiency. "S" indicates Motor has On/Off switch.



Part No.	Motor HP/S*	RPM	Shaft Dia	Bolt Circle	Frame/C-Face	Full Load Amps	Voltage
<b>337402</b>	1.5	1800	5/8"	5-7/8"	56C/56C	13.4/6.7	115/230
<b>337403S</b>	1.5	1800	5/8"	5-7/8"	56C/56C	13.4/6.7	115/230
<b>337404</b>	1.5	3450	5/8"	5-7/8"	56C/56C	15.0/7.5	115/230
<b>337405S</b>	1.5	3450	5/8"	5-7/8"	56C/56C	15.0/7.5	115/230
<b>337411</b>	2.0	1800	5/8"	5-7/8"	56C/56C	17.2/9.2/8.6	115/230
<b>337412S</b>	2.0	1800	5/8"	5-7/8"	56C/56C	17.2/9.2/8.6	115/230
<b>337413</b>	2.0	3450	5/8"	5-7/8"	56C/56C	17.2/9.2/8.6	115/208/230
<b>337414S</b>	2.0	3450	5/8"	5 7/8"	56C/56C	17.2/9.2/8.6	115/208/230
<b>337423</b>	3.0	3450	5/8"	5-7/8"	56C/56C	13.5	208/230
<b>337424S</b>	3.0	3450	5/8"	5-7/8"	56C/56C	13.5	208/230
<b>337432</b>	5.0	3450	5/8"	5-7/8"	56C/56C	22.0	208/230
<b>337438</b>	6.0	3450	5/8"	5-7/8"	56C/56C	22.0	208/230

### TEFC Motor

<b>337407T</b>	1.5	1750	5/8"	5-7/8"	56C/56C	15.0/7.5	115/230
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## Small Engine Test Equipment

### Spark Tester



- Handy tool allows safe, easy visual inspection of ignition output
- Connects BETWEEN plug & plug wire
- Totally contained spark
- Engine will run with tester attached
- Neon test light verifies proper ignition

Part No.	Description
091126	Spark Tester

### Compression Tester



- Designed for small engines
- 2-1/2" dial reads up to 300 PSI
- 12" flexible hose to reach spark plug holes
- Adapters for 14mm and 18mm spark plug holes
- Built-in pressure holding/ release valves

Part No.	Description
091133	Comp Tester

### Wireless Tachometer



- Terrific service aid for 1-cylinder engines
- Just hold built-in antenna near spark plug
- Excellent for setting GPM on pressure washers; accuracy within 2% of full scale
- Two scales: 0-5000 RPM or 0-15,000 RPM
- Solid state electronics
- Requires 9 volt battery (not included)

Part No.	Description
091132	Wireless Tach

## Couplers Built by Browning or Lovejoy

Listed as individual coupler sections (half) to allow flexibility in design. For complete coupler select:

*Bore size for motor + Bore size for pump + Spider = Complete Coupler*

**NOTE:** Select halves from same series as listed in groups below (i.e. All "090/095", "099/100")



Part No.	Description	Bore
<b>090/095 SERIES:</b> Up to 3 HP Electric or 4 HP Gas		
336031	Coupler Half	24 mm
336050	Coupler Half	5/8" (090)
336044	Coupler Half	3/4" (090)
336045	Coupler Half	15/16" (090)
336049	Buna Spider for 090 (STD)	
<b>099/100 SERIES:</b> Up to 5-7 1/2 HP Electric or 5-13 HP Gas		
336038	Coupler Half	3/4" (100)
336048	Coupler Half	15/16" (099)
336037	Coupler Half	20 mm (100)
336039	Coupler Half	24 mm (099)
336039A	Coupler Half	24 mm (100)
336040	Coupler Half	1" (100)
336042A	Coupler Half	1-1/8" (100)
336047	Coupler Half	1-3/8" (100)
336043	Buna Spider for 099/100 (STD)	

## Pulleys

Fits Interpump, General and Admiral XLS, XDS Series pumps, plus XD3040, XD3047, XD3055 and XD3065.



- Double groove
- 24mm bore
- 2 x A groove

Part No.	OD
376304	4.0"
376305	5.5"
376306	6.3"

## Reference / Calculation Guide

### Conversion Factors

1 inch = 25.4 mm      1 gal H2O = 8.33 lbs      1 gal = 3.79 liter      1 kg = 2.205 lbs  
 1 cm = 0.394 inch      1 oz = 23.35 gram      1 liter = 0.2642 gal      1 KW = 1.341 HP

### Horsepower (HP) Equations

$$\text{HP} = \frac{\text{GPM} \times \text{PSI}}{1460} \qquad \text{PSI} = \frac{\text{HP} \times 1460}{\text{GPM}} \qquad \text{GPM} = \frac{\text{HP} \times 1460}{\text{PSI}}$$

### Pulley Equations

Pump Pulley Diameter x Pump RPM = Manufacturer Pulley Diameter x Manufacturer RPM

### Questions and Answers

**Q:** How fast do I turn my pump to give me a desired GPM?

**A:** Required RPM =  $\frac{(\text{desired GPM} \times \text{Rated RPM})}{\text{Rated GPM}}$

**Q:** What size pump pulley do I use to get a certain RPM?

**A:** Pump Pulley Diameter =  $\frac{\text{Motor Pulley Diameter} \times \text{Motor RPM}}{\text{Pump RPM}}$

## Belts



- "V" notched for longer life and better performance

Part No.	Description
809000	AX26
5-602029	AX29
809184	AX31
809140	AX34
809162	AX36
809173	AX37
5-602040	AX40
809179	AX41
809142	AX35
919793	AX38
809131	AX42
809164	AX43
809141	AX46
616006	BX32
5-604034	BX34
615494	BX35
5-604036	BX36
615401	BX37
615400	BX38
809102	BX40
809108	BX42
809176	3VX500

## Bushings



- Split taper, malleable iron
- Highest torque carrying capacity

Part No.	Bushing
815131	H x 5/8"
815133	H x 3/4"
5-511088	H x 7/8
815135	H x 1"
815136	H x 1-1/8"
815182	H x 1-3/8"
5-511139	H x 1-3/8-6B, Spline
815207	H x 18mm
5-512020	H x 20mm
615531	H x 22mm
815202	H x 24mm
815183	H x 25mm
376332	H x 32mm
376335	H x 35mm
5-522138	P1 x 1-3/8 x 5/16
815137	P1 x 1-5/8"
5-531112	P2 x 1
5-531144	P2 x 1-7/16
815209	SDS x 1-5/8"
815211	Q1 x 25mm

## Pulleys

- High quality Cast Iron pulleys
- Cast design



AK pulley



2AK pulley



BK pulley



2BK pulley



3TB pulley

Part No.	Description
5-40102158*	AK21
5-40102558*	AK25
5-40102858*	AK28
5-40103001	AK30H
5-40103201	AK32H
5-40103401	AK34H
5-40103901	AK39H
919790	AK74H
918579	AK84H
5-40108901	AK89H
829840	2AK30H
830590	2AK32H
5-40203401	2AK34H
829627	2AK49H
919480	2AK51H
829306	2AK54H
919667	2AK64
5-40209401	2AK94H
919680	2AK74H
919585	2AK84H
919645	BK32H
919498	BK34H
919541	BK40H
5-40405701	BK57H
5-40406501	BK65H
919550	BK80H
919539	2BK32H
830256	2BK34H
919537	2BK36H
919521	2BK40H
372586T	2BK45H
919582	2BK50H
5-40506501	2BK65H
919794	2BK67H
875446	2BK80H
919624	2BK90H
919560	2BK100H
919683	2TB40
726603	3TB34
830569	3TB40
830565	2B94SK
830561	3B94SK
919479	A2AK54-1 1/8
919483	4P3V454G
919564	3ATA40
919670	2G 6.75 A/B 22mm
919672	2G 7.75 A/B 22mm
830560	3G 3.4 A/B Belt SH

\*x 5/8" bore