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<td>Overhead Valve Winter Application LH318SA (HMSK110)</td>
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<td></td>
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<tr>
<td>Overhead Valve Winter Application LH358SA (OHSK130)</td>
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</tbody>
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SELECTING A REPLACEMENT ENGINE BY COMPARING SPECIFICATIONS

If the model or type number of the old engine is not shown in the Engine Replacement List, or if the model or type number is unknown, proceed as follows:

**FIRST DIGIT** - The number which represents the CRANKSHAFT POSITION.

**SECOND & THIRD DIGITS** - Determines the HORSEPOWER required. (2-cycle is designated by 00 in the second and third digit position.)

**FOURTH DIGIT** - Determines PRIMARY FEATURES required.

Engines that are specially built for specific O.E.M.’s because of color, etc., are not suitable to be sold to an Assigned O.E.M.

**TECUMSEH SERVICE NUMBER SYSTEM**

<table>
<thead>
<tr>
<th>1st DIGIT</th>
<th>2nd &amp; 3rd DIGIT</th>
<th>4th DIGIT</th>
<th>5th &amp; 6th DIGIT</th>
<th>7th DIGIT</th>
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<tbody>
<tr>
<td>CRANKSHAFT POSITION</td>
<td>HORSEPOWER OR 2-CYCLE</td>
<td>PRIMARY FEATURES</td>
<td>ENGINE VARIATION NUMBER</td>
<td>REVISION LETTER</td>
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<tr>
<td>8 = Vertical</td>
<td>00 = 2-Cycle</td>
<td>1 = Rotary Mower</td>
<td>00 thru 99</td>
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</tr>
<tr>
<td>9 = Horizontal</td>
<td>02 = 3 H.P.</td>
<td>2 = Industrial</td>
<td>00 thru 99</td>
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<tr>
<td></td>
<td>03 = 3.5, 3.8 H.P.</td>
<td>3 = Winter Application</td>
<td>00 thru 99</td>
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<td>04 = 4, 4.8 H.P.</td>
<td>4 = Mini Bike</td>
<td>00 thru 99</td>
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<td>05 = 5, 5.5 H.P.</td>
<td>5 = Tractor</td>
<td>00 thru 99</td>
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<td></td>
<td>06 = 6 H.P.</td>
<td>6 = Tiller/Edger</td>
<td>00 thru 99</td>
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<tr>
<td></td>
<td>07 = 7 H.P.</td>
<td>7 = Rider</td>
<td>00 thru 99</td>
<td></td>
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<tr>
<td></td>
<td>08 = 8 H.P.</td>
<td>8 = Rotary Mower</td>
<td>00 thru 99</td>
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<td></td>
<td>09 = 9 H.P.</td>
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<td>10 = 10 H.P.</td>
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<td>11 = 11 H.P.</td>
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<td>12 = 12, 12.5 H.P.</td>
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<td>13 = 13 H.P.</td>
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<td>14 = 14 H.P.</td>
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<td>15 = 15 H.P.</td>
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<td>16 = 16, 16.5 H.P.</td>
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<td>17 = 17 H.P.</td>
<td></td>
<td></td>
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<tr>
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<td>18 = 18 H.P.</td>
<td></td>
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<tr>
<td></td>
<td>22 = 22 H.P.</td>
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</tbody>
</table>
AIR CLEANERS

1. PLEATED PAPER TYPE

2. POLYURETHANE TYPE

3. POLY - KLEEN-AIRE

4. PAPER POLY DUAL STAGE

5. POLY PAPER TRI-STAGE KLEEN-AIRE

6. VERTICAL FULL-DRESS

7. TECUMSEH TWIN
FUEL TANK MOUNTING

1. CENTURA® LE STYLE TANK
2. OPPOSITE SPARK PLUG
3. OPPOSITE CARBURETOR
4. OPPOSITE CARBURETOR
5. OVER RECOIL
6. OVER CARBURETOR
7. TM049XA / TC TYPE II
8. OPPOSITE SPARK PLUG
9. 4 QUART STYLIZED TANK
ACCESSORIES

STARTER SCREENS

590710 590711
Can be used on TM049XA (TC200/300)

RECREATIONAL VEHICLE SPEED CONTROLS

34652A - H35, Bottom Pull
34784 - HM80-100, Top Pull
35142 - H35, Top Pull Heavy Spring
36740A - OHH50-60
37827 - OH195EP with speed adjustment screw
730136A - H30, 35, 40, HS40, 50, Mini-Bike Top Pull

STARTER FILTER KITS (POLY)

730571 Can be used on TVS75, H35-H70 with stamped steel starter.
730572 Can be used on TVM170-OVXL120, HM70-100 with die-cast starter.
730604 used on TVS90-120, TVS840, TVM125-140, H30-H70 with E-Z pull starter.
730619 used on TVM, TVXL195-220, HM70-100, OHM, OVXL, OHV12 thru 125 with E-Z pull starter.

DEBRIS SCREEN KITS

730573 Can be used on HM, TVM, TVXL, OVM and OVXL with stamped steel recoil starter.

FUEL SHUT-OFF VALVES

35857
37147

CLIMATE GUARD KITS

HM80-100

730630 - Complete dual stage A/C winter/summer positions.
730643 - Carburetor cover with mounting hardware for engines with oval-style A/C.
**ACCESSORIES (Cont.)**

**WIRE HARNESS ADAPTERS**

Effective with 2003 engine model year Tecumseh standardized all 8-25 H.P. vertical shaft engines to a 6-pin wiring harness connector. The Power Sport R.V. model engines have been converted to a 4-Spade connector.

The following assorted adapters are made available to assist in repower or installation of newer engines to older equipment.

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<tr>
<th>Adapter</th>
<th>Description</th>
</tr>
</thead>
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<tr>
<td>611296</td>
<td>Converts new style 6-pin connector to the older 3 Amp. D.C., 5 Amp A.C. (3/5), 2-pin connector.</td>
</tr>
<tr>
<td>611297</td>
<td>Converts new style 6-pin connector to 16 Amp. D.C. single Pin connector.</td>
</tr>
<tr>
<td>611293</td>
<td>Universal 4-spade terminal wiring harness equipped with extra long, splice ready leads to make repower and installation of newer engines on older product easy. This is designed for use on 3.5 -11 H.P. Horizontal Shaft Power Sport Model engines.</td>
</tr>
<tr>
<td>611294</td>
<td>Universal 6-pin connector with six (6) extra long, splice ready leads. Can be used to adapt the engine to virtually any application.</td>
</tr>
<tr>
<td>611300</td>
<td>3 Amp. A.C., 5 Amp. D.C. Universal 6-pin connector with three (3) extra long, splice ready wires to adapt the engine to virtually any 3/5 system.</td>
</tr>
</tbody>
</table>
### ACCESSORIES (Cont.)

**ENGINE OIL**
- 730225A - 4 cycle - SAE30 (1 qt.)
- 730226A - 4 cycle - SAE5W30 (1 qt.)
- 730227C - 2 cycle Synthetic Blend (5 oz.)
- 730238B - 4 cycle - SAE30 (20 oz.)
- 730256 - 4 cycle - SAE5W30 (20 oz.)

**LOW OIL SHUTDOWN**
- 611206 - HM80, 90, 100 without light
- 611207 - OHH50, 55, 60
- 611220 - HM80, 90, 100 with light

**OIL FILTER ADAPTER KIT**
- 34279B - Fuel Filter - Paper element
- 37768 - Fuel Filter - Stainless Steel screen

**BOTTOM OIL DRAIN PLUG**
- 611283 - Spark Plug Shield Standard Plug
- 611284 - Spark Plug Shield OHV Plug

**PULSE FUEL PUMP**
- 34279B
- 37768

**HEAT SHIELDS**
- 33328D - TVM125, TVM140, H50-60-70
- 33329E - TVM170-220, HM70-100, HMSK70-100
- 37105 - OHM-OHSK110-120-130
- 37217 - HSK35-40, HSSK50, OHSK50-55-60-70-75
- 37102 - TVM220, HM70-100, HMSK70-100

**SNOW KING STARTER MOTOR KITS**
- 110 - 120 VOLT

**FUEL FILTER**
- 34279B - Paper element
- 37768 - Stainless Steel screen

**UNDERSHIELD**
- 33290E
- 33328D
- 33329E

**NOTE:** Must have starter provisions to install on engines.
ACCESSORIES (Cont.)

MUFLLEK

36372 - Can be used on OHV140-175.

ELECTRIC CLUTCH WIRE FOR 3/5 SPLIT SYSTEM
36588

SPARK ARRESTOR KITS

34427 - Can be used on TVM125-140, H50-60.
34479A - Can be used on TVM170-220, HM70-100, HHM90.

390309 - Can be used on TVS840 & TVXL840.

36220 - Muffler Quiet
35352 - Screen Kit
Can be used on H50 & H60.

390301A - Can be used on TC200/300, TCH200/300.

36085 - Can be used on TVS90-120.
Can be used on VLV50 - VLV60.

36411 - Can be used on OHV14 - OHV175.

SPARK ARRESTOR SCREEN

35352 - Screen OHV11-13
35428 - Deflector OHV11-13

EXHAUST DEFLECTOR
36663

LOW TONE MUFFLER

MUFFLER OUTLET

SPARK ARRESTING SCREEN

35824 - Can be used on TVM170-220, TVXL170-220, HM70-100, HMXL70-100. NOTE: Does not replace catalytic mufflers.
37350 - Can be used on HM80-100 generators without 730643 climate guard.

730130 - V, VH, H and HH40 thru 80, HM70-100
730162 - LAV and H25 thru 35
730165 - LAV50 and HS30 thru 50

BOLT ON MUFFLER

390322 - TC200 & 300
If cylinder is drilled and tapped.
3.5 HORSEPOWER
SMALL FRAME
ROTARY LAWN MOWER/TRIMMER
APPLICATIONS

MODEL  LEV80
HORSEPOWER  3.5
            2.61 kW
BORE & STROKE  2.312 x 1.844 in.
            58.73 x 46.84 mm
DISPLACEMENT  7.75 cu. in.
            128 cc
OIL CAPACITY  21 oz.
            .62 ltr.
(APPROX.) WEIGHT  18.75 lbs.
            8.5 kg
BOLT MTG. CIRCLE  8 in.
            203 mm

FEATURES
• Lightweight L-head design.
• Full pressure lubrication system keeps all critical
  areas supplied with oil for longer engine life.
• Aluminized muffler protects against rust and keeps
  engine quieter, longer.
• Mechanical governor for instant response to
  changing load conditions.
• Certified to EPA Phase II, CARB Tier II standards.
• Two-year warranty.

![Diagram of engine parts and specifications]
3.5 - 4.5 HORSEPOWER
SMALL FRAME
ROTARY LAWN MOWER/TRIMMER
APPLICATIONS

MODEL | LV148EA, LEV90
--- | ---
HORSEPOWER | 3.5 - 4.5
 | 2.61 - 3.36 kW
BORE & STROKE | 2.50 x 1.844 in.
 | 63.50 x 46.84 mm
DISPLACEMENT | 9.03 cu. in.
 | 148 cc
OIL CAPACITY | 21 oz.
 | .62 ltr.
(APPROX.) WEIGHT | 18.75 lbs.
 | 8.5 kg
BOLT MTG. CIRCLE | 8 in.
 | 203 mm

FEATURES
• Lightweight L-head design.
• Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
• Aluminized muffler protects against rust and keeps engine quieter, longer.
• Mechanical governor for instant response to changing load conditions.
• Certified to EPA Phase II, CARB Tier II standards.
• Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg. 2) Service Part No. Ref. No.</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Compliance Brake Service Part No.</th>
<th>Top Governed Speed</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>804193</td>
<td>MTD</td>
<td>37810</td>
<td>Fixed Speed</td>
<td>35066 (Paper) Ref. 1</td>
<td>Side &amp; Bottom</td>
<td>1.25 qt. (1.19 ltrs.) Ref. 2</td>
<td>36559A (Reverse Pull)</td>
<td>3200</td>
<td></td>
</tr>
<tr>
<td>804220</td>
<td>MTD</td>
<td>37821</td>
<td>Fixed Speed</td>
<td>35066 (Paper) Ref. 1</td>
<td>Side &amp; Bottom</td>
<td>1.25 qt. (1.19 ltrs.) Ref. 2</td>
<td>36559A (Reverse Pull)</td>
<td>3200</td>
<td></td>
</tr>
</tbody>
</table>
6.0 HORSEPOWER
SMALL FRAME
ROTARY LAWN MOWER
APPLICATION

MODEL | LEV105
---|---
HORSEPOWER | 6.0
| 4.47 kW
BORE & STROKE | 2.795 x 1.938 in.
| 70.99 x 49.23 mm
DISPLACEMENT | 11.90 cu. in.
| 195 cc
OIL CAPACITY | 21 oz.
| .62 ltr.
(APPROX.) WEIGHT | 18.75 lbs.
| 8.5 kg
BOLT MTG. CIRCLE | 8 in.
| 203 mm

FEATURES
- Lightweight L-head design.
- Patented Easy Start Performance (ESP) technology ensures easy starting.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- Automotive-style paper element air filter gives you superior engine performance and protection.
- High oil fill with automotive-type dipstick.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

![Engine Image]

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg. 2) Service Part No. Ref. No.</th>
<th>Oil Drain (pg. 3) Ref. No.</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Compliance Brake Service Part No.</th>
<th>Top Governed Speed</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>805189</td>
<td>MTD</td>
<td>37785</td>
<td>Fixed Speed</td>
<td>36905 (Paper) Ref. 1</td>
<td>Side &amp; Bottom 1 qt. (.95 ltr.) Ref. 2</td>
<td>36559A (Reverse Pull)</td>
<td></td>
<td>3300</td>
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</tbody>
</table>

MTD shroud not included.
6.0 HORSEPOWER
SMALL FRAME
ROTARY LAWN MOWER
APPLICATION

MODEL LV195EA, LEV120

| HORSEPOWER | 6.0 |
| 4.47 kW |
| BORE & STROKE | 2.795 x 1.938 in. |
| 70.99 x 49.23 mm |
| DISPLACEMENT | 11.90 cu. in. |
| 195 cc |
| OIL CAPACITY | 21 oz. |
| .62 ltr. |
| (APPROX.) WEIGHT | 18.75 lbs. |
| 8.5 kg |
| BOLT MTG. CIRCLE | 8 in. |
| 203 mm |

FEATURES
- Lightweight L-head design.
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<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg. 2) Service Part No. Ref. No.</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Compliance Brake Service Part No.</th>
<th>Top Governed Speed</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>806167B</td>
<td>Toro</td>
<td>37478</td>
<td>Remote Snap-In</td>
<td>35066 (Paper) Ref. 1</td>
<td>Bottom</td>
<td>1 qt. (.95 ltr.) Ref. 2</td>
<td>36559A (Reverse Pull)</td>
<td>3200</td>
<td></td>
</tr>
<tr>
<td>806780</td>
<td>Standard</td>
<td>37479</td>
<td>Fixed Speed</td>
<td>36905 (Paper) Ref. 1</td>
<td>Bottom</td>
<td>1 qt. (.95 ltr.) Ref. 2</td>
<td>36559A (Reverse Pull)</td>
<td>3200</td>
<td></td>
</tr>
</tbody>
</table>
### MODEL LV195EA, LEV120

**HORSEPOWER**
- 6.5
- 4.47 kW

**BORE & STROKE**
- 2.795 x 1.938 in.
- 70.99 x 49.23 mm

**DISPLACEMENT**
- 11.90 cu. in.
- 195 cc

**OIL CAPACITY**
- 21 oz.
- .62 ltr.

**(APPROX.) WEIGHT**
- 18.75 lbs.
- 8.5 kg

**BOLT MTG. CIRCLE**
- 8 in.
- 203 mm

### FEATURES
- Lightweight L-head design.
- Patented Easy Start Performance (ESP) technology ensures easy starting.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- Automotive-style paper element air filter gives you superior engine performance and protection.
- High oil fill with automotive-type dipstick.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

![Diagram of ENGINE MOUNTING SURFACE](image)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg. 2) Service Part No.</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Compliance Brake Service Part No.</th>
<th>Top Governed Speed</th>
<th>Note</th>
</tr>
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<tbody>
<tr>
<td>806173A</td>
<td>Toro</td>
<td>37692</td>
<td>Fixed Speed</td>
<td>36905 (Paper) Ref. 1</td>
<td>Bottom</td>
<td>1.25 qt. (1.19 ltrs.) Ref. 2</td>
<td>36559A (Reverse Pull)</td>
<td>3050</td>
<td>†</td>
</tr>
<tr>
<td>806174A</td>
<td>Toro</td>
<td>37692</td>
<td>Fixed Speed</td>
<td>36905 (Paper) Ref. 1</td>
<td>Bottom</td>
<td>1 qt. (0.95 ltrs.) Ref. 2</td>
<td>36559A (Reverse Pull)</td>
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<td>* †</td>
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<tr>
<td>806175</td>
<td>Service</td>
<td>37507</td>
<td>Manual</td>
<td>35066 (Paper) Ref. 1</td>
<td>Bottom</td>
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<td>36559A (Reverse Pull)</td>
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<tr>
<td>806708C</td>
<td>Standard</td>
<td>37519</td>
<td>Remote</td>
<td>36905 (Paper) Ref. 1</td>
<td>Bottom</td>
<td>1.25 qt. (1.19 ltrs.) Ref. 2</td>
<td></td>
<td>3750</td>
<td>s</td>
</tr>
</tbody>
</table>

* Equipped with electric starter motor.
† Plastic shroud not included.
S Heavy Flywheel
**6.5 HORSEPOWER SMALL FRAME ROTARY LAWN MOWER APPLICATION**

**MODEL** OVRM120  
**HORSEPOWER** 6.5  
4.47 kW  
**BORE & STROKE** 2.795 x 1.938 in.  
70.99 x 49.23 mm  
**DISPLACEMENT** 11.90 cu. in.  
195 cc  
**OIL CAPACITY** 21 oz.  
.62 ltr.  
**(APPROX.) WEIGHT** 25.75 lbs.  
11.6 kg  
**BOLT MTG. CIRCLE** 8 in.  
203 mm

**FEATURES**
- Lightweight L-head design.
- Patented Easy Start Performance (ESP) technology ensures easy starting.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- Automotive-style paper element air filter gives you superior engine performance and protection.
- High oil fill with automotive-type dipstick.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

---

* 8-1/2:1 Auxiliary P.T.O.
8.0 HORSEPOWER
RIDER APPLICATION

MODEL     TVM220

HORSEPOWER 8.0  5.97 kW
BORE & STROKE 3.312 x 2.532 in.  84.13 x 64.31 mm
DISPLACEMENT 21.82 cu. in.  358 cc
OIL CAPACITY 32 oz.  .94 ltr.
(AAPPROX.) WEIGHT 57 lbs.  25.9 kg
BOLT MTG. CIRCLE 8 & 10 in.  203 mm & 254 mm

FEATURES
• Cast Iron Cylinder Sleeve.
• Ultra-Balance® System.
• Paper Kleen-Aire System with Pre-Filter.
• Float Carburetor with Choke.
• Aluminized Muffler with Catalyst.
• Mechanical Governor.
• Electronic CDI Ignition.
• Positive Displacement Oil Pump.
• Oil Fill Tube with Dipstick.
• Mechanical Compression Release.
• Certified to EPA Phase II, CARB Tier II standards.
• Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Starter</th>
<th>Air Cleaner Style (pg. 2)</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3)</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>808770C</td>
<td>Snapper</td>
<td>35422A 3 Amp D.C. Remote</td>
<td></td>
<td>Electric</td>
<td>Provisions with Rewind</td>
<td>35403 (Paper)</td>
<td>35404 (Poly) Ref. 5</td>
<td>Side</td>
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<tr>
<td>808771D</td>
<td>Toro</td>
<td>35422A 3 Amp D.C. Remote</td>
<td></td>
<td>Electric</td>
<td>Starter without Rewind</td>
<td>35403 (Paper)</td>
<td>35404 (Poly) Ref. 5</td>
<td>Dual Sides</td>
<td>None</td>
</tr>
<tr>
<td>808772C</td>
<td>Ariens</td>
<td>35422A 3 Amp D.C. Remote</td>
<td></td>
<td>Electric</td>
<td>Starter with Rewind</td>
<td>35403 (Paper)</td>
<td>35404 (Poly) Ref. 5</td>
<td>Side</td>
<td>3 qt. (2.85 ltrs.)</td>
</tr>
</tbody>
</table>

† 36680 - 12 Volt electric starter can be installed.
33635C - Blower housing is needed to mount recoil starter.
NOTE: For replacements requiring 7/8” (22.22) diameter crankshaft, order 37660.
MODEL | TVM220
---|---
HORSEPOWER | 10.0
| 7.46 kW
BORE & STROKE | 3.312 x 2.532 in.
| 84.13 x 64.31 mm
DISPLACEMENT | 21.82 cu. in.
| 358 cc
OIL CAPACITY | 32 oz.
| .94 ltr.
(APPROX.) WEIGHT | 57 lbs.
| 25.9 kg
BOLT MTG. CIRCLE | 8 & 10 in.
| 203 mm & 254 mm

FEATURES
- Low emission overhead valve design.
- KLEEN-AIRE® intake air cleaning system with paper air filter means less engine wear.
- Large 1.375" main bearings for smooth, long life.
- Ultra-Balance® low vibration system.
- 12 Volt electric starter.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

33635C - Blower housing is needed to mount recoil starter composite with 8 studs.
NOTE: For replacements requiring 7/8" (22.22) diameter crankshaft, order 37660.
13.0, 13.5 HORSEPOWER OVERHEAD VALVE RIDER APPLICATION

MODEL | OV358EA, OHV130-135
---|---
HORSEPOWER | 13.0, 13.5
| 9.69 kW
BORE & STROKE | 3.312 x 2.532 in.
| 84.13 x 64.31 mm
DISPLACEMENT | 21.82 cu. in.
| 358 cc
OIL CAPACITY | 32 oz.
| 39 oz. w/oil filter
| .95 ltr.
| 1.17 ltrs.
(APPROX.) WEIGHT | 64 lbs.
| 28.8 kg
BOLT MTG. CIRCLE | 8 & 10 in.
| 203 mm & 254 mm

FEATURES
- Low emission overhead valve design.
- KLEEN-AIRE® intake air cleaning system with paper air filter means less engine wear.
- Large 1.375" main bearings for smooth, long life.
- Ultra-Balance® low vibration system.
- 12 Volt electric starter.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Starter</th>
<th>Air Cleaner Style (pg. 2) Service Part No. Ref. No.</th>
<th>Oil Drain</th>
<th>Top Governed Speed</th>
<th>Notes</th>
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<tbody>
<tr>
<td>813700B</td>
<td>MTD</td>
<td>36924</td>
<td>3 Amp D.C.</td>
<td>Remote</td>
<td>Electric Starter</td>
<td>36356 (Paper) Ref. 5</td>
<td>Side</td>
<td>3250</td>
<td>l s k</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>5 Amp A.C.</td>
<td></td>
<td></td>
<td>36357 (Poly) Ref. 5</td>
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<tr>
<td>813701D</td>
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<td>36924</td>
<td>3 Amp D.C.</td>
<td>Remote</td>
<td>Electric Starter</td>
<td>36356 (Paper) Ref. 5</td>
<td>Side</td>
<td>3600</td>
<td>s k</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>36357 (Poly) Ref. 5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| O        | Muffler omitted |
| N        | Fuel tank omitted |
| M        | Rotary pump with oil filter |
**18.0 HORSEPOWER OVERHEAD VALVE RIDER APPLICATION**

**MODEL**

<table>
<thead>
<tr>
<th></th>
<th>OV490EA, OHV180</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORSEPOWER</td>
<td>18.0</td>
</tr>
<tr>
<td></td>
<td>13.4 kW</td>
</tr>
<tr>
<td>BORE &amp; STROKE</td>
<td>3.562 x 3.00 in.</td>
</tr>
<tr>
<td></td>
<td>90.48 x 76.6 mm</td>
</tr>
<tr>
<td>DISPLACEMENT</td>
<td>29.9 cu. in.</td>
</tr>
<tr>
<td></td>
<td>490 cc</td>
</tr>
<tr>
<td>OIL CAPACITY</td>
<td>55 oz.</td>
</tr>
<tr>
<td></td>
<td>1.65 ltrs.</td>
</tr>
<tr>
<td></td>
<td>62 oz. w/oil filter</td>
</tr>
<tr>
<td></td>
<td>1.86 ltrs.</td>
</tr>
<tr>
<td>(APPROX.) WEIGHT</td>
<td>75 lbs.</td>
</tr>
<tr>
<td></td>
<td>33.8 kg</td>
</tr>
<tr>
<td>BOLT MTG. CIRCLE</td>
<td>10 in.</td>
</tr>
<tr>
<td></td>
<td>254 mm</td>
</tr>
</tbody>
</table>

**FEATURES**

- Automotive-style Gerotor pump lubrication keeps all bearing areas supplied with oil for longer engine life.
- Extra large 1.625" main bearings for smooth, long life.
- KLEEN-AIRE® intake air cleaning system with a paper air filter means less engine wear.
- Vertical crankshaft with counterclockwise rotation when viewed from power take-off end.
- 12 Volt electric starter.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

---

**PARTS AND SERVICE**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Starter</th>
<th>Air Cleaner Style (pg. 2) Service Part No. Ref. No.</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top Governed Speed</th>
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</thead>
<tbody>
<tr>
<td>818500A</td>
<td>Service Dual CB*</td>
<td>36512</td>
<td>3 Amp D.C.</td>
<td>Remote</td>
<td>Electric Starter w/o Rewind</td>
<td>36356 (Paper) 36357 (Poly) Ref. 5</td>
<td>Side</td>
<td>None</td>
<td>3450</td>
</tr>
<tr>
<td>818501A</td>
<td>Service Single CB*</td>
<td>36308</td>
<td>16 Amp D.C. w/Regulator</td>
<td>Remote</td>
<td>Electric Starter w/o Rewind</td>
<td>36356 (Paper) 36357 (Poly) Ref. 5</td>
<td>Side</td>
<td>None</td>
<td>3450</td>
</tr>
</tbody>
</table>

CB Counterbalance
k 36435A - Oil filter can be installed.
22.0 HORSEPOWER
OVERHEAD VALVE
RIDER APPLICATION

MODEL OV691EA, TVT691

HORSEPOWER 22.0
16.4 kW

BORE & STROKE 3.125 x 2.75 in.
79.38 x 69.85 mm

DISPLACEMENT 42.18 cu. in.
691 cc

OIL CAPACITY 72 oz. 80 oz. w/oil filter
2.16 ltrs. 2.4 ltrs.

(APPROX.) WEIGHT 90 lbs.
40.5 kg

BOLT MTG. CIRCLE 10 in.
254 mm

FEATURES
• Smooth, low vibration twin cylinder power.
• Automotive-style Gerotor oil pump lubrication system keeps all bearing areas supplied with oil for longer engine life.
• Dual carburetors.
• Vertical crankshaft with counterclockwise rotation when viewed from power take-off end.
• 12 Volt electric starter.
• Certified to EPA Phase II, CARB Tier II standards.
• Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Starter</th>
<th>Air Cleaner Style (pg. 2) Service Part No.</th>
<th>Oil</th>
<th>Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top governed Speed</th>
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</thead>
<tbody>
<tr>
<td>822500A</td>
<td>Standard</td>
<td>37371</td>
<td>3 Amp D.C.</td>
<td>Remote</td>
<td>Electric w/o Rewind</td>
<td>37360 (Paper) Ref. 7</td>
<td>Side</td>
<td>None</td>
<td></td>
<td>3350</td>
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<tr>
<td>822502</td>
<td>MTD</td>
<td>37371</td>
<td>16 Amp D.C. w/Regulator</td>
<td>Remote</td>
<td>Electric w/o Rewind</td>
<td>37360 (Paper) Ref. 7</td>
<td>Side</td>
<td>None</td>
<td></td>
<td>3450</td>
</tr>
<tr>
<td>825500A</td>
<td>MTD</td>
<td>37818</td>
<td>16 Amp D.C. w/Regulator</td>
<td>Remote</td>
<td>Electric Starter w/o Rewind</td>
<td>37360 (Paper) Ref. 7</td>
<td>Side</td>
<td>None</td>
<td></td>
<td>3450</td>
</tr>
</tbody>
</table>
MODEL H30

HORSEPOWER 3.0
2.24 kW

BORE & STROKE 2.50 x 1.844 in.
63.51 x 46.84 mm

DISPLACEMENT 9.06 cu. in.
148 cc

OIL CAPACITY 21 oz.
.62 ltr.

(APPROX.) WEIGHT 25 lbs.
11.34 kg

BOLT MTG. CIRCLE 3.625 in.
90 mm

FEATURES
- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

3.0 HORSEPOWER TILLER APPLICATION

Part Number Customer Crankshaft Service Part No. Controls Air Cleaner Style (pg. 2) Service Part No. Ref. No. Oil Drain Exhaust Direction Fuel Tank (pg. 3) Ref. No. Top Governed Speed Ref. No.
903666A Garden Way 37303 Remote/Manual Convertible 30727 (Paper) Ref. 1 Dual Sides PTO Side 2 qt. (1.89 ltrs.) Ref. 5 3750
3.5 HORSEPOWER
TILLER APPLICATION

MODEL  H35
HORSEPOWER  3.5  2.61 kW
BORE & STROKE  2.50 x 1.938 in.  63.51 x 49.23 mm
DISPLACEMENT  9.52 cu. in.  156 cc
OIL CAPACITY  21 oz.  .62 ltr.
(APPROX.) WEIGHT  25 lbs.  11.34 kg
BOLT MTG. CIRCLE  3.625 in.  90 mm

FEATURES
- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg. 2) Service Part No. Ref. No.</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Exhaust Direction</th>
<th>Top Governed Speed</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>903668A</td>
<td>Garden Way</td>
<td>34734A</td>
<td>Remote/Manual</td>
<td>30727 (Paper) Ref. 1</td>
<td>Dual Sides</td>
<td>2 qt. (1.89 ltrs.) Ref. 4</td>
<td>PTO Side</td>
<td>3750</td>
<td>†</td>
</tr>
</tbody>
</table>

† 2:1 Extended camshaft.
MODEL H35

HORSEPOWER 3.5
2.61 kW

BORE & STROKE 2.50 x 1.938 in.
63.51 x 49.23 mm

DISPLACEMENT 9.52 cu. in.
156 cc

OIL CAPACITY 21 oz.
.62 ltr.

(APPROP.) WEIGHT 25 lbs.
11.34 kg

BOLT MTG. CIRCLE 3.625 in.
90 mm

FEATURES

• Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
• Soft-pull recoil starter for easy starts.
• Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
• Aluminized muffler resists corrosion so engine remains quieter longer.
• Certified to EPA Phase II, CARB Tier II standards.
• Two-year warranty.
4.0 HORSEPOWER
MINI-BIKE APPLICATION

MODEL H40

HORSEPOWER 4.0
2.61 kW

BORE & STROKE 2.50 x 1.938 in.
63.51 x 49.23 mm

DISPLACEMENT 9.52 cu. in.
156 cc

OIL CAPACITY 21 oz.
.62 ltr.

(APPROX.) WEIGHT 25 lbs.
11.34 kg

BOLT MTG. CIRCLE 3.625 in.
90 mm

FEATURES

- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Crankshaft Service Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg. 2) Service Part No.</th>
<th>Oil Drain</th>
<th>Exhaust Direction</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>904416B</td>
<td>Standard</td>
<td>34735</td>
<td>Mini-Bike (Remote)</td>
<td>30727</td>
<td>Carb. Side</td>
<td>2 qt.</td>
<td>4000</td>
</tr>
</tbody>
</table>
### FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered™ to prevent ice buildup and engine shut downs.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

#### MODEL

**LH195SA, HSSK50**

| HORSEPOWER | 5.0 | 3.73 kW |
| BORE & STROKE | 2.795 x 1.938 in. | 70.99 x 49.23 mm |
| DISPLACEMENT | 11.88 cu. in. | 195 cc |
| OIL CAPACITY | 21 oz. | .62 ltr. |
| (APPROX.) WEIGHT | 33 lbs. | 15.0 kg |
| BOLT MTG. CIRCLE | 3.625 in. | 90 mm |

#### Part Numbers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Provisions for Electric Starter</th>
<th>Controls</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3)</th>
<th>Top Governed Speed</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>905363B</td>
<td>MTD</td>
<td>35975</td>
<td>X *</td>
<td>Remote/Manual Convertible</td>
<td>Dual Sides &amp; Front</td>
<td>2 qt. (1.89 ltrs.)</td>
<td>3750 †</td>
<td></td>
</tr>
<tr>
<td>905364A</td>
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<td>34740</td>
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<td>Dual Sides &amp; Front</td>
<td>2 qt. (1.89 ltrs.)</td>
<td>3750 †</td>
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<tr>
<td>905365</td>
<td>Standard</td>
<td>35975</td>
<td>X *</td>
<td>Remote/Manual Convertible</td>
<td>Dual Sides &amp; Front</td>
<td>2 qt. (1.89 ltrs.)</td>
<td>3750 †</td>
<td></td>
</tr>
<tr>
<td>905367</td>
<td>Murray</td>
<td>37245</td>
<td>X *</td>
<td>Remote/Manual Convertible</td>
<td>Dual Sides &amp; Front</td>
<td>2 qt. (1.89 ltrs.)</td>
<td>3750 †</td>
<td></td>
</tr>
</tbody>
</table>

* 33290E - 120 Volt electric starter can be installed.
† 2:1 Extended camshaft.
**5.5 HORSEPOWER OVERHEAD VALVE UTILITY APPLICATION**

**MODEL**  
OH195EA, OHH55

| HORSEPOWER   | 5.5  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.10 kW</td>
</tr>
</tbody>
</table>
| BORE & STROKE| 2.795 x 1.938 in.  
|              | 70.99 x 49.23 mm |
| DISPLACEMENT | 11.88 cu. in.  
|              | 195 cc |
| OIL CAPACITY | 21 oz.  
|              | .62 ltr |
| (APPROX.) WEIGHT | 30 lbs.  
|              | 13.5 kg |
| BOLT MTG. CIRCLE | 3.625 in.  
|              | 90 mm |

**FEATURES**
- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- KLEEN-AIRE® filtration system pre-cleans air for superior performance and extended life.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg. 2)</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3)</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>905242D</td>
<td>Standard</td>
<td>34740</td>
<td>Manual/Remote Convertible</td>
<td>36046 (Paper) Ref. 1</td>
<td>Dual Side &amp; Front 3 qt. (2.85 ltrs.) Ref. 4</td>
<td>3750</td>
<td></td>
</tr>
</tbody>
</table>
MODEL OH195EA, OHH60

HORSEPOWER 6.0
4.10 kW

BORE & STROKE 2.795 x 1.938 in.
70.99 x 49.23 mm

DISPLACEMENT 11.88 cu. in.
195 cc

OIL CAPACITY 21 oz.
.62 ltr.

(APPROX.) WEIGHT 30 lbs.
13.5 kg

BOLT MTG. CIRCLE 3.625 in.
90 mm

FEATURES
- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- KLEEN-AIRE® filtration system pre-cleans air for superior performance and extended life.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

Part Customer Crankshaft Controls Air Cleaner Style (pg. 2) Oil Drain Fuel Tank (pg. 3) Top Governed
Number Service Service Part No. Service Part No. Oil No. Drain No. Speed

906221C Murray 37188 RV Control 36046 (Paper) 36634 (Poly) Ref. 1 Dual Side & Front 3 qt. (2.85 ltrs.) Ref. 4 3350

906222B Generac 34745 Fixed Speed 36046 (Paper) Ref. 1 Dual Side & Front 3 qt. (2.85 ltrs.) Ref. 4 3900

906223D Murray 36483 RV Control 36046 (Paper) Ref. 1 Dual Side & Front 3 qt. (2.85 ltrs.) Ref. 4 3350

906604 MTD 34746 Manual 36046 (Paper) Ref. 1 Dual Side & Front 3 qt. (2.85 ltrs.) Ref. 4 3750
MODEL OH195SA, OHSK70

HORSEPOWER
7.0
5.22 kW

BORE & STROKE
2.795 x 1.938 in.
70.99 x 49.23 mm

DISPLACEMENT
11.88 cu. in.
195 cc

OIL CAPACITY
21 oz.
.62 ltr.

(APPROX.) WEIGHT
30 lbs.
13.5 kg

BOLT MTG. CIRCLE
3.625 in.
90 mm

FEATURES
- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

### ENGINE # 907364B

- **PART NO.** 907364B
- **CRANKSHAFT** 35975 (manual)
- **SERVICE** 34739 (front)
- **FEATURES**
  - Manual choke
  - Easy start primer
  - Winter Engineered®
  - Premium mechanical governor
  - High oil fill
  - Two-year warranty/ten years on electronic ignition

### ENGINE # 907365C

- **PART NO.** 907365C
- **CRANKSHAFT** 34739 (manual)
- **SERVICE** 34740 (front)
- **FEATURES**
  - Manual choke
  - Easy start primer
  - Winter Engineered®
  - Premium mechanical governor
  - High oil fill
  - Two-year warranty/ten years on electronic ignition

### ENGINE # 907366A

- **PART NO.** 907366A
- **CRANKSHAFT** 34740 (manual)
- **SERVICE** 34739 (front)
- **FEATURES**
  - Manual choke
  - Easy start primer
  - Winter Engineered®
  - Premium mechanical governor
  - High oil fill
  - Two-year warranty/ten years on electronic ignition

---

* 33290E - 120 Volt electric starter kit can be installed.
† 2:1 extended camshaft
MODEL LH318SA, HMSK90

HORSEPOWER 9.0
5.97 kW

BORE & STROKE 3.125 x 2.532 in.
79.38 x 64.31 mm

DISPLACEMENT 19.43 cu. in.
318 cc

OIL CAPACITY 26 oz.
.77 ltr.

(APPROX.) WEIGHT 55 lbs.
25.0 kg

BOLT MTG. CIRCLE 3.625 & 5 in.
90 mm & 130 mm

FEATURES
- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

Part Customer Crankshaft Charging Controls Provisions for Oil Drain Fuel Tank Top Governed
Number Service Part No. System Electric Starter (pg. 3) Speed
909300A Standard 35372A 3 Amp A.C. Manual x * Dual Side 4 qt.
(3.79 ltrs.) Ref. 4 3450

909301A Standard 35443A Manual x * Dual Side 4 qt.
(3.79 ltrs.) Ref. 4 3250

909303B MTD † 35980A 18 Watt Manual x * Front Dual Side 4 qt.
(3.79 ltrs.) Ref. 4 3600

* 33329E - 120 Volt electric starter can be installed.
† 2:1 Extended camshaft
9.0 HORSEPOWER OVERHEAD VALVE WINTER APPLICATION

MODEL OH318SA, OHSK90

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORSEPOWER</td>
<td>9.0</td>
</tr>
<tr>
<td></td>
<td>6.71 kW</td>
</tr>
<tr>
<td>BORE &amp; STROKE</td>
<td>3.125 x 2.532 in.</td>
</tr>
<tr>
<td></td>
<td>79.38 x 64.31 mm</td>
</tr>
<tr>
<td>DISPLACEMENT</td>
<td>19.43 cu. in.</td>
</tr>
<tr>
<td></td>
<td>318 cc</td>
</tr>
<tr>
<td>OIL CAPACITY</td>
<td>26 oz.</td>
</tr>
<tr>
<td></td>
<td>.77 ltr.</td>
</tr>
<tr>
<td>(APPROX.) WEIGHT</td>
<td>60 lbs.</td>
</tr>
<tr>
<td></td>
<td>27.2 kg</td>
</tr>
<tr>
<td>BOLT MTG. CIRCLE</td>
<td>3.625 &amp; 5 in.</td>
</tr>
<tr>
<td></td>
<td>90 mm &amp; 130 mm</td>
</tr>
</tbody>
</table>

FEATURES
- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Provisions for Electric Starter</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>909302B</td>
<td>Standard</td>
<td>37252</td>
<td>18 Watt</td>
<td>Manual</td>
<td>X *</td>
<td>Dual Side</td>
<td>1 Gallon (3.8 ltrs.) Ref. 9</td>
<td>3600</td>
</tr>
</tbody>
</table>

* 33329E - 120 Volt electric starter can be installed.
MODEL HM100

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORSEPOWER</td>
<td>10.0</td>
</tr>
<tr>
<td></td>
<td>7.46 kW</td>
</tr>
<tr>
<td>BORE &amp; STROKE</td>
<td>3.125 x 2.532 in.</td>
</tr>
<tr>
<td></td>
<td>84.13 x 64.31 mm</td>
</tr>
<tr>
<td>DISPLACEMENT</td>
<td>21.82 cu. in.</td>
</tr>
<tr>
<td></td>
<td>358 cc</td>
</tr>
<tr>
<td>OIL CAPACITY</td>
<td>26 oz.</td>
</tr>
<tr>
<td></td>
<td>.77 ltr.</td>
</tr>
<tr>
<td>(APPROX.) WEIGHT</td>
<td>56 lbs.</td>
</tr>
<tr>
<td></td>
<td>25.45 kg</td>
</tr>
<tr>
<td>BOLT MTG. CIRCLE</td>
<td>3.625 &amp; 5 in.</td>
</tr>
<tr>
<td></td>
<td>90 mm &amp; 130 mm</td>
</tr>
</tbody>
</table>

FEATURES
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Starter</th>
<th>Air Cleaner Style (pg. 2) Service Part No.</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>910206B</td>
<td>MTD Ltd.</td>
<td>BB</td>
<td>35420A</td>
<td>Manual</td>
<td>Rewind</td>
<td>34700B (Paper) 34703 (Poly) Ref. 4</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3400</td>
</tr>
<tr>
<td>910207B</td>
<td>Standard</td>
<td>35372A</td>
<td></td>
<td>Manual</td>
<td>* Electric Provisions w/Rewind</td>
<td>33268 (Paper) Ref. 1</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3600</td>
</tr>
<tr>
<td>910263D</td>
<td>Coleman s</td>
<td>35441A</td>
<td></td>
<td>Fixed Speed</td>
<td>* Electric Provisions w/Rewind</td>
<td>34700B (Paper) 34703 (Poly) Ref. 4</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3600</td>
</tr>
<tr>
<td>910265D</td>
<td>Devilbiss†</td>
<td>s</td>
<td>37302</td>
<td>Fixed Speed</td>
<td>Rewind</td>
<td>34700B (Paper) 34703 (Poly) Ref. 4</td>
<td>Dual Side</td>
<td>None</td>
<td>3750</td>
</tr>
</tbody>
</table>

* 36680 - 12 Volt electric starter can be installed.
† Low oil shutdown.
s Climate guard.
BB Ball Bearing
### MODEL LH358SA, HMSK110

**HORSEPOWER** 11.0  
7.46 kW

**BORE & STROKE** 3.312 x 2.532 in.  
84.13 x 64.31 mm

**DISPLACEMENT** 21.82 cu. in.  
358 cc

**OIL CAPACITY** 26 oz.  
.77 ltr.

**(APPROX.) WEIGHT** 56 lbs.  
25.45 kg

**BOLT MTG. CIRCLE** 3.625  
90 mm

### FEATURES
- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

### PARTS AND SERVICE

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top Governed Speed</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>911300B</td>
<td>Standard</td>
<td>36245</td>
<td>Manual</td>
<td>Dual Side</td>
<td></td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3450</td>
<td>Q ♩</td>
</tr>
<tr>
<td>911301B</td>
<td>Standard</td>
<td>35443A</td>
<td>Manual A.C.</td>
<td>Manual</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3250</td>
<td>Q</td>
</tr>
<tr>
<td>911304B</td>
<td>Standard</td>
<td>36245</td>
<td>Manual</td>
<td>Dual Side</td>
<td></td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3600</td>
<td>Q</td>
</tr>
<tr>
<td>911305B</td>
<td>Standard</td>
<td>35443A</td>
<td>Manual</td>
<td>Dual Side</td>
<td></td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3450</td>
<td>Q</td>
</tr>
<tr>
<td>911307</td>
<td>Standard</td>
<td>37231</td>
<td>Manual</td>
<td>Dual Side</td>
<td></td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3600</td>
<td>Q</td>
</tr>
</tbody>
</table>

Q 33329E - 120 volt electric starter can be installed.  
♦ 2:1 extended camshaft
MODEL        LH358SA, HMSK110

HORSEPOWER    11.0
              7.46 kW

BORE & STROKE 3.312 x 2.532 in.
              84.13 x 64.31 mm

DISPLACEMENT 21.82 cu. in.
              358 cc

OIL CAPACITY  26 oz.
              .77 ltr.

(ARRAY.) WEIGHT 56 lbs.
                25.45 kg

BOLT MTG. CIRCLE 3.625
                90 mm

FEATURES
• Manual choke and easy start primer give fast, reliable starts on the coldest days.
• Winter Engineered® to prevent ice buildup and engine shut downs.
• Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
• Premium mechanical governor provides positive, instant response to changing load conditions.
• High oil fill with automotive-type dipstick.
• Two-year warranty with ten years on electronic ignition.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top Governed Speed</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>911302B</td>
<td>Standard</td>
<td>35372A</td>
<td>18 Watt</td>
<td>Manual</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3450</td>
<td>Q</td>
</tr>
<tr>
<td>911303B</td>
<td>Standard</td>
<td>35372A</td>
<td>3 Amp A.C.</td>
<td>Manual</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3450</td>
<td>Q</td>
</tr>
<tr>
<td>911360B</td>
<td>MTD LTD.</td>
<td>35980A</td>
<td>18 Watt</td>
<td>Manual</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3600</td>
<td>Q†</td>
</tr>
<tr>
<td>911361B</td>
<td>Standard</td>
<td>35980A</td>
<td>18 Watt</td>
<td>Manual</td>
<td>Dual Side</td>
<td>4 qt. (3.79 ltrs.) Ref. 4</td>
<td>3600</td>
<td>Q†</td>
</tr>
</tbody>
</table>

Q   33329E - 120 Volt electric starter can be installed.
† 2:1 extended camshaft
# 11.0 HORSEPOWER OVERHEAD VALVE WINTER APPLICATION

**MODEL** | OH318SA, OHSK110
---|---
**HORSEPOWER** | 11.0
| 8.20 kW
**BORE & STROKE** | 3.125 x 2.532 in.
| 79.38 x 64.31 mm
**DISPLACEMENT** | 19.43 cu. in.
| 318 cc
**OIL CAPACITY** | 26 oz.
| .77 ltr.
**(APPROX.) WEIGHT** | 60 lbs.
| 27.2 kg
**BOLT MTG. CIRCLE** | 5 & 6.5 in.
| 130 mm & 170 mm

## FEATURES
- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

### Parts and Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Provisions for Electric Starter</th>
<th>Oil Drain</th>
<th>Fuel Tank (pp. 3) Ref. No.</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>911306C</td>
<td>Standard</td>
<td>37252</td>
<td>18 Watt</td>
<td>Manual</td>
<td>X *</td>
<td>Dual Side</td>
<td>1 Gallon (3.8 ltrs.) Ref. 9</td>
<td>3600</td>
</tr>
</tbody>
</table>

* 33329E - 120 Volt electric starter can be installed.
MODEL OH358SA, OHSK120

HORSEPOWER 12.0
8.95 kW

BORE & STROKE 3.312 x 2.532 in.
84.13 x 64.31 mm

DISPLACEMENT 21.82 cu. in..
358 cc

OIL CAPACITY 26 oz.
.77 ltr.

(APPROX.) WEIGHT 60 lbs.
27.2 kg

BOLT MTG. CIRCLE 5 & 6.5 in.
130 mm & 170 mm

FEATURES
• Manual choke and easy start primer give fast, reliable starts on the coldest days.
• Winter Engineered® to prevent ice buildup and engine shut downs.
• Cast iron cylinder sleeve for extended engine life.
• Premium mechanical governor provides positive, instant response to changing load conditions.
• High oil fill with automotive-type dipstick.
• Two-year warranty with ten years on electronic ignition.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Part No.</th>
<th>Charging System</th>
<th>Controls</th>
<th>Provisions for Electric Starter</th>
<th>Oil Drain</th>
<th>Fuel Tank (pg. 3)</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>912301B</td>
<td>Standard</td>
<td>35701A</td>
<td>18 Watt</td>
<td>Manual</td>
<td>X *</td>
<td>Dual Side</td>
<td>6 qt. (5.7 ltrs.)</td>
<td>3600</td>
</tr>
</tbody>
</table>

* 37105 - 120 volt electric starter can be installed.
## FEATURES
- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

---

### MODEL

<table>
<thead>
<tr>
<th>Model</th>
<th>OH358SA, OHSK130</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORSEPOWER</td>
<td>13.0</td>
</tr>
<tr>
<td></td>
<td>9.7 kW</td>
</tr>
<tr>
<td>BORE &amp; STROKE</td>
<td>3.312 x 2.532 in.</td>
</tr>
<tr>
<td></td>
<td>84.13 x 64.31 mm</td>
</tr>
<tr>
<td>DISPLACEMENT</td>
<td>21.82 cu. in.</td>
</tr>
<tr>
<td></td>
<td>358 cc</td>
</tr>
<tr>
<td>OIL CAPACITY</td>
<td>28 oz.</td>
</tr>
<tr>
<td></td>
<td>.83 ltr.</td>
</tr>
<tr>
<td>(APPROX.) WEIGHT</td>
<td>60 lbs.</td>
</tr>
<tr>
<td></td>
<td>27.2 kg</td>
</tr>
<tr>
<td>BOLT MTG. CIRCLE</td>
<td>5 &amp; 6.5 in.</td>
</tr>
<tr>
<td></td>
<td>130 mm &amp; 170 mm</td>
</tr>
</tbody>
</table>

## FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.

---

### Part Customer Crankshaft Charging Controls Provisions for Oil Drain Fuel Tank Top Governed

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Ref. No.</th>
<th>913300B</th>
<th>Standard</th>
<th>35680A</th>
<th>18 Watt</th>
<th>Manual</th>
<th>X *</th>
<th>Dual Side</th>
<th>1 Gallon (3.8 ltrs.)</th>
<th>Ref. 9</th>
<th>3600</th>
</tr>
</thead>
</table>

* 37105 - 120 Volt electric starter can be installed.
2.0 HORSEPOWER
TWO CYCLE
MULTI APPLICATIONS

MODEL  TM049XA, TC300
HORSEPOWER  2.0
1.49 kW
BORE & STROKE  1.75 x 1.25 in.
44.43 x 31.7 mm
DISPLACEMENT  3.0 cu. in..
49.2 cc
OIL / FUEL MIXTURE 24:1
(APPROX.) WEIGHT  7 lbs.
3.2 kg

FEATURES
• Engineered for hand-held applications such as ice and earth augers, mini cultivators, tree pruners, brush cutters and power sprayers.
• Excellent starting, power and performance in cold weather.
• Electronic capacitor discharge ignition system provides starting voltage at low RPM.
• Balanced distribution of weight with minimal vibration ensures stability and durability.
• Load-responsive governor maintains engine speed during changing load conditions and prevents engine overspeeding.
• No-rust polyethylene fuel tank reduces condensation and won’t dent or rust.
• Certified to EPA Phase II standards.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer Controls</th>
<th>Air Cleaner Style (pg. 2)</th>
<th>Carburetor</th>
<th>Fuel Tank (pg. 3)</th>
<th>Top Governed Speed +/- 200</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>800267</td>
<td>Active Technology</td>
<td>Remote 450255 (Flocked Screen) 450252 (Poly) Ref. 3</td>
<td>Diaphragm w/Choke</td>
<td>20 oz. (600 ml) Ref. 7</td>
<td>6000</td>
<td>Long Base</td>
</tr>
<tr>
<td>800268</td>
<td>Flymo Remote</td>
<td>450255 (Flocked Screen) 450252 (Poly) Ref. 3</td>
<td>Diaphragm w/Primer</td>
<td>20 oz. (600 ml) Ref. 7</td>
<td>5500</td>
<td>Short Base</td>
</tr>
<tr>
<td>800269</td>
<td>Flymo Remote</td>
<td>450255 (Flocked Screen) 450252 (Poly) Ref. 3</td>
<td>Diaphragm w/Primer</td>
<td>20 oz. (600 ml) Ref. 7</td>
<td>3800</td>
<td>Short Base</td>
</tr>
<tr>
<td>800302</td>
<td>Feldman Ardisam Strikemaster Remote</td>
<td>450255 (Flocked Screen) 450252 (Poly) Ref. 3</td>
<td>Diaphragm w/Choke</td>
<td>20 oz. (600 ml) Ref. 7</td>
<td>6000</td>
<td>Long Base</td>
</tr>
<tr>
<td>800666</td>
<td>Hoffco Remote</td>
<td>450255 (Flocked Screen) 450252 (Poly) Ref. 3</td>
<td>Diaphragm w/Choke</td>
<td>20 oz. (600 ml) Ref. 7</td>
<td>5200</td>
<td>Short Base</td>
</tr>
</tbody>
</table>
MODEL TV085XA, AV520

HORSEPOWER 3.0
2.24 kW

BORE & STROKE 2.09 x 1.50 in.
53 x 38 mm

DISPLACEMENT 5.2 cu. in.
85 cc

OIL / FUEL MIXTURE 24:1

(APPROX.) WEIGHT 13.2 lbs.
5.9 kg

BOLT MTG. CIRCLE 4.0 in.
102 mm

FEATURES

• Engineered for hand-held applications such as ice and earth augers, mini cultivators, tree pruners, brush cutters and power sprayers.
• Excellent starting, power and performance in cold weather.
• Electronic capacitor discharge ignition system provides starting voltage at low RPM.
• Balanced distribution of weight with minimal vibration ensures stability and durability.
• Load-responsive governor maintains engine speed during changing load conditions and prevents engine overspeeding.
• No-rust polyethylene fuel tank reduces condensation and won’t dent or rust.
• Certified to EPA Phase II standards.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Application</th>
<th>Crankshaft Service No. Part No.</th>
<th>Controls</th>
<th>Air Cleaner Style (pg 2.) Service Part No. Ref. No.</th>
<th>Fuel Tank (pg. 3) Ref. No.</th>
<th>Top Governed Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>800265B</td>
<td>Feldman</td>
<td>Auger</td>
<td>290634</td>
<td>Remote</td>
<td>None</td>
<td>1 qt. (.95 ltr.) Ref. 8</td>
<td>4500</td>
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<tr>
<td>800266A</td>
<td>Hofco</td>
<td>Scythe</td>
<td>290637</td>
<td>Remote</td>
<td>450205 (Flocked Screen) 450215 (Poly) Ref. 2</td>
<td>None</td>
<td>4800</td>
</tr>
</tbody>
</table>
MODEL TH098SA, HSK600

<table>
<thead>
<tr>
<th>HORSEPOWER</th>
<th>3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.24 kW</td>
</tr>
<tr>
<td>BORE &amp; STROKE</td>
<td>2.09 x 1.75 in.</td>
</tr>
<tr>
<td></td>
<td>53 x 44 mm</td>
</tr>
<tr>
<td>DISPLACEMENT</td>
<td>6.0 cu. in.</td>
</tr>
<tr>
<td></td>
<td>98 cc</td>
</tr>
<tr>
<td>OIL / FUEL MIXTURE</td>
<td>50:1</td>
</tr>
<tr>
<td>(APPROX.) WEIGHT</td>
<td>12 lbs.</td>
</tr>
<tr>
<td></td>
<td>5.44 kg</td>
</tr>
</tbody>
</table>

FEATURES

- Manual choke with remote primer for reliable starts.
- Moisture sealed electronic capacitor discharge ignition (CDI) system, and freeze-resistant easy-pull recoil starter.
- Dependable fixed speed gets you right to work.
- Two-year warranty with ten years on electronic ignition.

### TABLE

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Customer</th>
<th>Crankshaft Service Part No.</th>
<th>Provisions for Electric Start</th>
<th>Controls</th>
<th>Top Governed</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>900390B</td>
<td>MTD</td>
<td>290609</td>
<td>X *</td>
<td>Fixed Speed</td>
<td>4700</td>
<td>s</td>
</tr>
<tr>
<td>900392B</td>
<td>Toro</td>
<td>290602</td>
<td>X *</td>
<td>Fixed Speed</td>
<td>4700</td>
<td>s</td>
</tr>
<tr>
<td>900393A</td>
<td>Murray</td>
<td>290607</td>
<td>X *</td>
<td>Fixed Speed</td>
<td>4500</td>
<td>s</td>
</tr>
<tr>
<td>900396A</td>
<td>Snapper</td>
<td>290602</td>
<td>X *</td>
<td>Fixed Speed</td>
<td>4500</td>
<td>s</td>
</tr>
</tbody>
</table>

* 590556 - 120 Volt electric starter kit can be installed.
s Fuel tank omitted.
4.5 HORSEPOWER
TWO CYCLE
WINTER APPLICATION

MODEL
TH139SA, HSK845

HORSEPOWER
4.5
3.35 kW

BORE & STROKE
2.437 x 1.812 in.
61.9 x 46 mm

DISPLACEMENT
8.46 cu. in.
139 cc

OIL / FUEL MIXTURE
50:1

(APPROX.) WEIGHT
20 lbs.
9.1 kg

BOLT MTG. CIRCLE
3.625 in.
90 mm

FEATURES
• Manual choke with remote primer for reliable starts.
• Moisture sealed electronic capacitor discharge ignition (CDI) system, and freeze-resistant easy-pull recoil starter.
• Dependable fixed speed gets you right to work.
• Two-year warranty with ten years on electronic ignition.

Part Customer Crankshaft Service Provisions for Electric Starter Controls Top Governed Speed Notes

900394B MTD 290614 X * Fixed Speed 3800 s
900395 Toro 290681 X * Fixed Speed 3850 s
900397B Service 290627 X * Fixed Speed 4000 s

* 590670 - 120 Volt electric starter kit can be installed.

s Fuel tank omitted.