

 **TECUMSEH**

SERVICE ENGINE SPEC BOOK

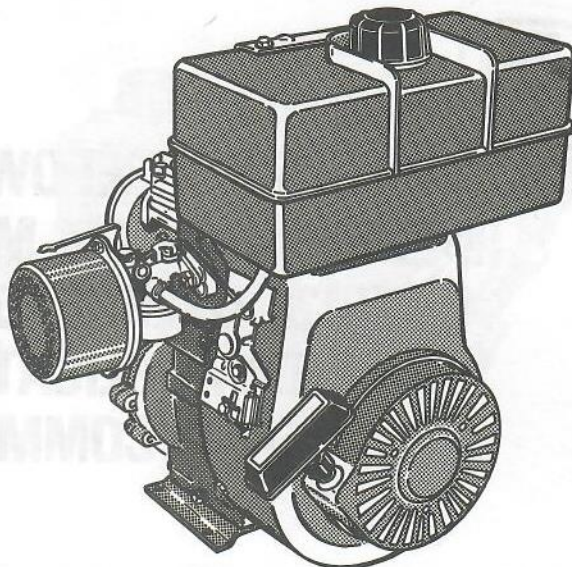
October 1992



Better, right from the start!



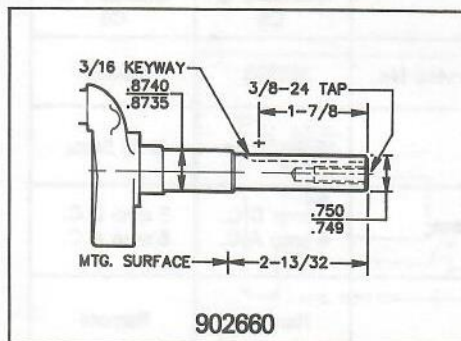
3 HORSEPOWER TILLER APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
H30	U.S.	3.0	2-1/2 x 1-27/32 in.	9.06 C.I.	21 oz.	25 lbs.	3-5/8 in.
	Metric	2.24 Kw	63.51 x 46.84 mm	148.00 cc	.62 ltr.	11.34 kg	90 mm

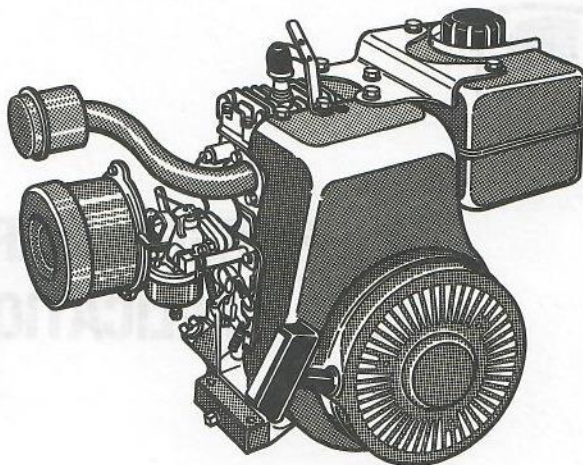
	902660
Customer	Garden Way
Crankshaft Service No.	34709
Controls	Manual
Starter	Rewind
Air Cleaner Style (Pg. 6) Service Part No. (Paper)	Ref. 1 30727
Carburetor	Float full adjust
Oil Drain	Dual Sides
Exhaust Direction	P.T.O. Side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 5
Paint	Red
Fast Moving Engines	

NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.





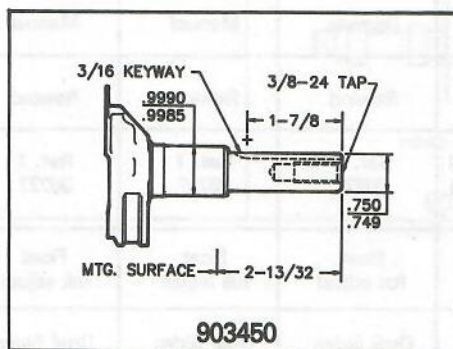
3.5 HORSEPOWER MINI BIKE APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
H35	U.S.	3.5	2-1/2 x 1-15/16 in.	9.52 C.I.	21 oz.	25 lbs.	3-5/8 in.
	Metric	2.61 Kw	63.51 x 49.23 mm	156.00 cc	.62 ltr.	11.34 kg	90 mm

	903450
Customer	Standard ■
Crankshaft Service No.	34734A
Controls	Mini-Bike (Remote)
Starter	Rewind
Air Cleaner Style (Pg. 6) Service Part No. (Paper) (Poly)	Ref. 1 30727
Carburetor	Float full adjust
Oil Drain	Dual Sides
Exhaust Direction	Carb. Side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4
Paint	Satin Black
Fast Moving Engines	

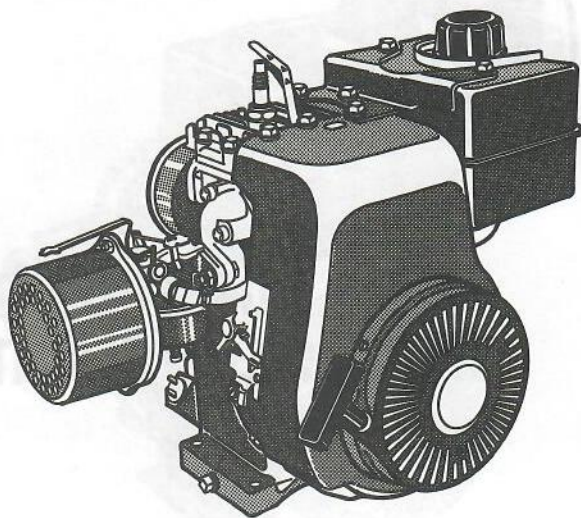
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



■ This engine is not eligible for return.



3.5 HORSEPOWER TILLER APPLICATION



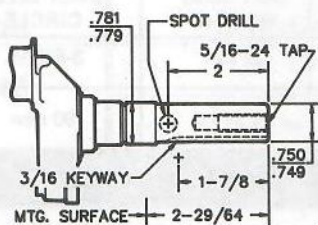
MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
H35	U.S.	3.5	2-1/2 x 1-15/16 in.	9.51 C.I.	21 oz.	25 lbs.	3-5/8 in.
	Metric	2.61 Kw	63.51 x 49.23 mm	156.00 cc	.62 ltr.	11.34 kg	90 mm

	903609	903615	903640	903663A	903665
Customer	Standard ■	Standard ■	Standard ■	Garden Way	Toro
Crankshaft Service No.	35132	35132	35131	34734A	35116
Controls	e Remote	Manual	Manual	Remote	Remote
Starter	Rewind	Rewind	Rewind	Rewind	Rewind
Air Cleaner Style (Pg. 6) Service Part No. (Paper) (Poly)	Ref. 1 30727	Ref. 1 30727	Ref. 1 30727	Ref. 1 30727	Ref. 3 31700
Carburetor	Float full adjust	Float full adjust	Float full adjust	Float full adjust	Float full adjust
Oil Drain	Dual Sides	Dual Sides	Dual Sides	Dual Sides	Dual Sides
Exhaust Direction	Carb. Side	P.T.O. Side	Carb. Side	P.T.O. Side	P.T.O. Side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4	2 Qts. 4	2 Qts. 4	2 Qts. 4	4 Qts. 4
Cast Iron Bore					X
Auxiliary P.T.O. Shaft				Extended Camshaft** 2:1	
Ball Bearing	X	X	X		X
Paint	Satin Black	Satin Black	Satin Black	Red	Satin Black
Fast Moving Engines				X	X

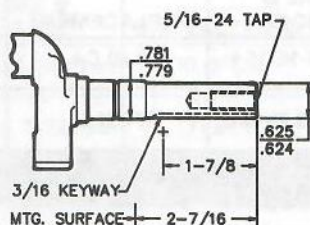
■ This engine is not eligible for return.

**See Extended Camshaft illustration.

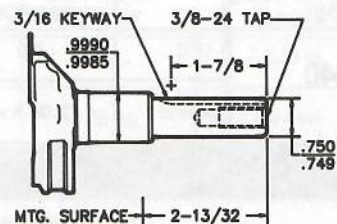
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



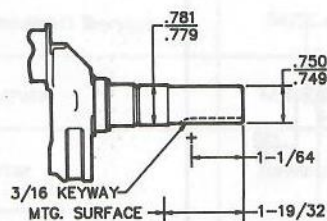
903609, 903615



903640

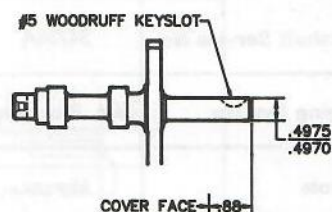


903663A



903665

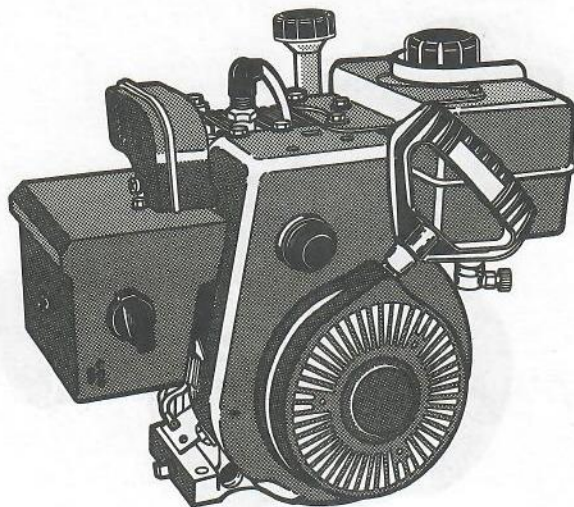
**** EXT. CAMSHAFT**



903663A



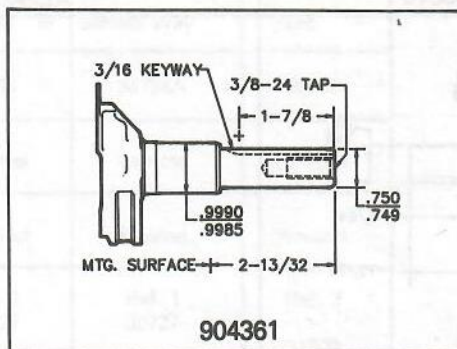
4 HORSEPOWER SNOW KING APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
HS40	U.S.	4.0	2-5/8 x 1-15/16 in.	10.49 C.I.	21 oz.	32 lbs.	3-5/8 in.
	Metric	2.98 Kw	66.68 x 49.23 mm	171.91 cc	.62 ltr.	14.54 kg	90 mm

	904361
Customer	MTD/ Mont. Ward
Crankshaft Service No.	34734A
Charging System	Elec. Provision *
Controls	Manual
Starter	Rewind
Carburetor	Float full adjust
Oil Drain	Dual Sides
Exhaust Direction	Carb. side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4
Paint	Satin Black
Fast Moving Engines	

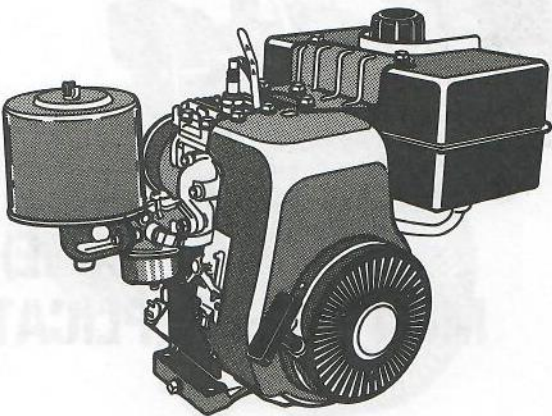
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



* No. 33290C - 120 volt electric starter can be installed.



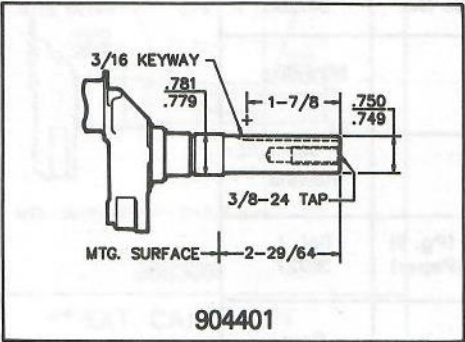
4 HORSEPOWER INDUSTRIAL APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
HS40	U.S.	4.0	2-5/8 x 1-15/16 in.	10.49 C.I.	21 oz.	27 lbs.	3-5/8 in.
	Metric	2.98 Kw	66.68 x 49.23 mm	171.91 cc	.62 ltr.	12.25 kg	90 mm

	904401
Customer	Standard ■
Crankshaft Service No.	34735
Controls	Manual
Starter	Rewind
Air Cleaner Style (Pg. 6) Service Part No. (Paper) (Poly)	Ref. 5 34782 34783
Carburetor	Float full adjust
Oil Drain	Dual Sides & Front
Exhaust Direction	Carb. Side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4
Ball Bearing	X
Paint	Satin Black
Fast Moving Engines	X

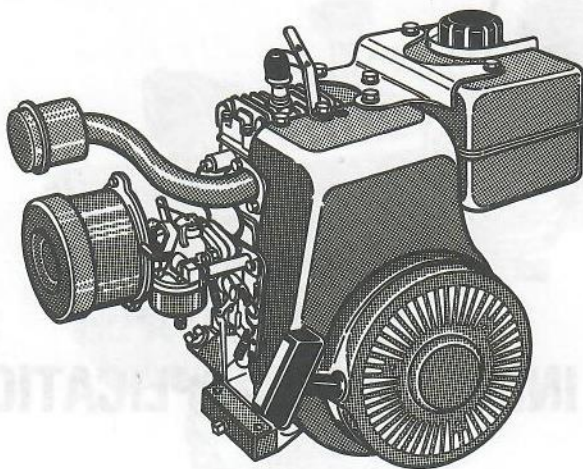
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



■ This engine is not eligible for return.



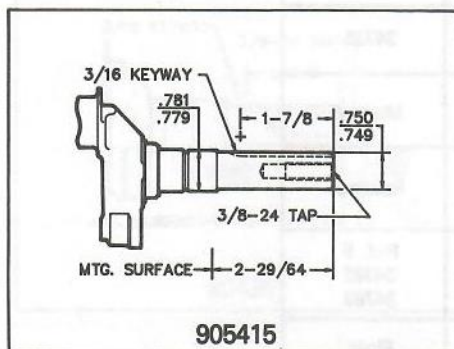
5 HORSEPOWER (SMALL FRAME) MINI BIKE APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
HS50	U.S.	5.0	2-13/16x1-15/16in.	12.04 C.I.	21 oz.	33 lbs.	3-5/8 in.
	Metric	3.73 Kw	71.44 x 49.23 mm	197.34 cc	.62 ltr.	15.0 kg	90 mm

	905415
Customer	Standard ■
Crankshaft Service No.	34728
Controls	Mini-Bike (Remote)
Starter	Rewind
Air Cleaner Style (Pg. 6) Service Part No. (Paper)	Ref. 1 30727
Carburetor	Float full adjust
Oil Drain	Dual Sides
Exhaust Direction	Carb. side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4
Ball Bearing	X
Paint	Satin Black
Fast Moving Engines	X

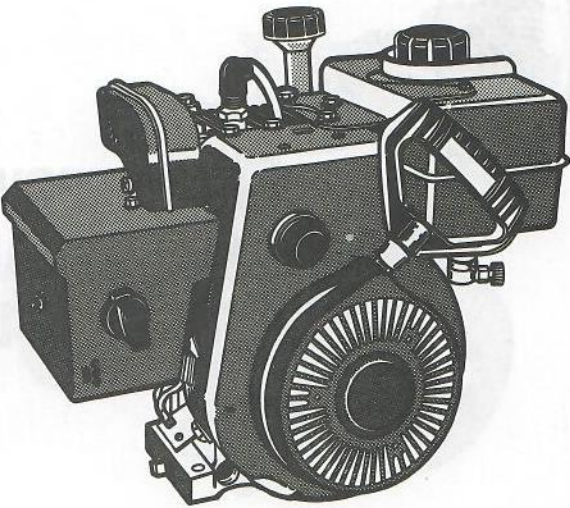
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



■ This engine is not eligible for return.



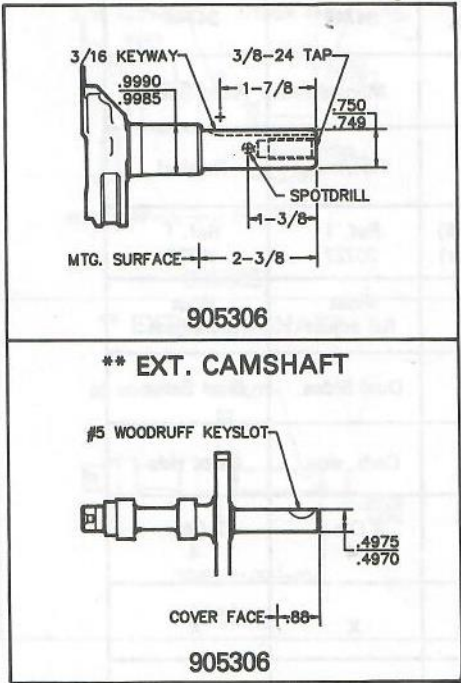
5 HORSEPOWER (SMALL FRAME) SNOW KING APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
HS50	U.S.	5.0	2-13/16x1-15/16in.	12.04 C.I.	21 oz.	33 lbs.	3-5/8 in.
	Metric	3.73 Kw	71.44 x 49.23 mm	197.34 cc	.62 ltr.	15.0 kg	90 mm

	905306
Customer	Standard ■
Crankshaft Service No.	34740
Charging System	Elec. Provision*
Controls	Manual
Starter	Rewind
Carburetor	Float full adjust
Oil Drain	Dual Sides and Front
Exhaust Direction	Carb. side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4
Auxiliary P.T.O. Shaft	Extended Camshaft** 2:1
Paint	White
Fast Moving Engines	X

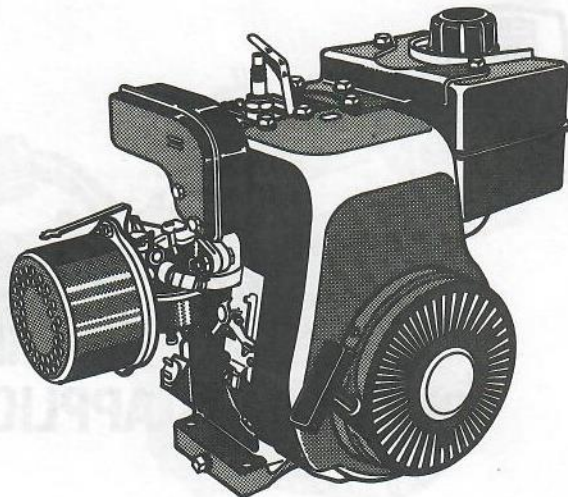
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



■ This engine is not eligible for return.
* No. 33290C - 120 volt electric starter can be installed.
**See Extended Camshaft illustration.



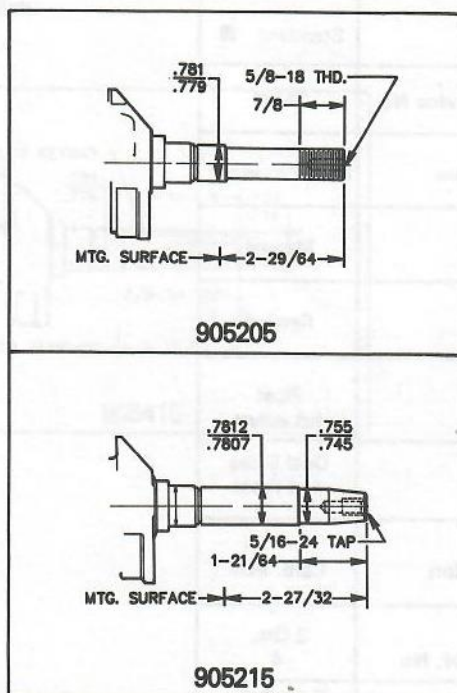
5 HORSEPOWER (SMALL FRAME) INDUSTRIAL APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
HS50	U.S.	5.0	2-13/16x1-15/16 in.	12.04 C.I.	21 oz.	31 lbs.	3-5/8 in.
	Metric	3.73 Kw	71.44 x 49.23 mm	197.34 cc	.62 ltr.	14.09 kg	90 mm

	905205	905215
Customer	Standard ■	Standard ■
Crankshaft Service No.	34747	34744
Controls	Manual	Fixed Speed
Starter	Rewind	Rewind
Air Cleaner Style (Pg. 6) Service Part No. (Paper)	Ref. 1 30727	Ref. 1 30727
Carburetor	Float full adjust	Float full adjust
Oil Drain	Dual Sides	Dual Sides
Exhaust Direction	Carb. side	Carb. side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4	2 Qts. 4
Ball Bearing	X	X
Paint	Satin Black	Satin Black
Fast Moving Engines		

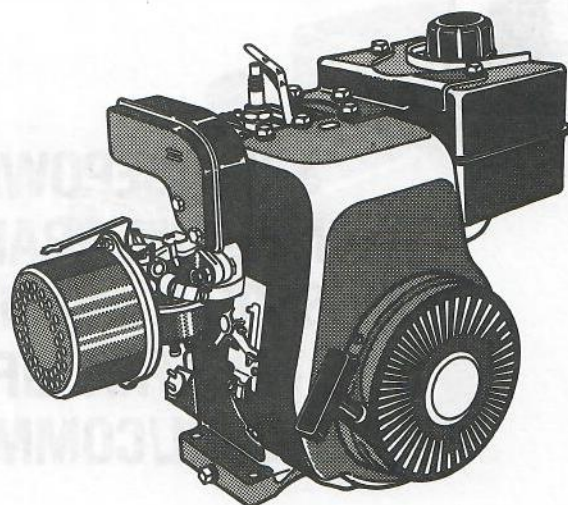
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



■ This engine is not eligible for return.



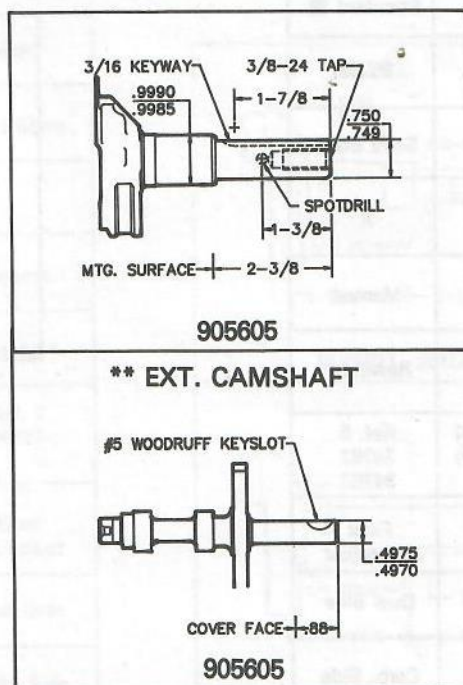
5 HORSEPOWER (SMALL FRAME) TILLER APPLICATION



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
HS50	U.S.	5.0	2-13/16x1-15/16in.	12.04 C.I.	21 oz.	31 lbs.	3-5/8 in.
	Metric	3.73 Kw	71.44 x 49.23 mm	197.34 cc	.62 ltr.	14.09 kg	90 mm

	905605
Customer	Standard ■
Crankshaft Service No.	34740
Controls	Remote
Starter	Rewind
Oil Drain	Dual Sides
Air Cleaner Style (Pg. 6) Service Part No. (Paper)	Ref. 1 30727
Carburetor	Float full adjust
Exhaust Direction	Carb. side
Fuel Tank (See Page 7) Ref. No.	2 Qts. 4
Auxiliary P.T.O. Shaft	Extended Camshaft** 2:1
Paint	Satin Black
Fast Moving Engines	X

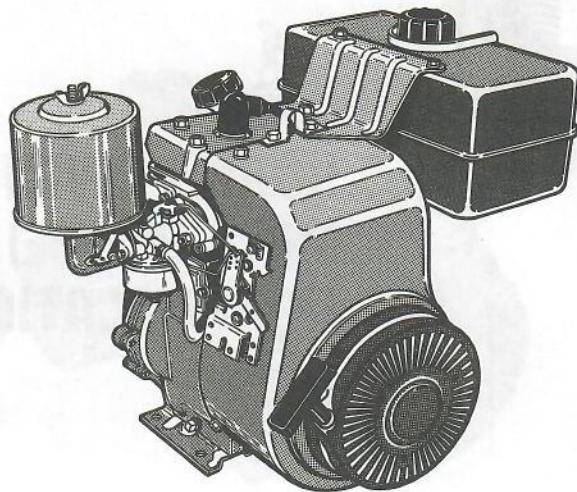
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



■ This engine is not eligible for return.
**See Extended Camshaft illustration.



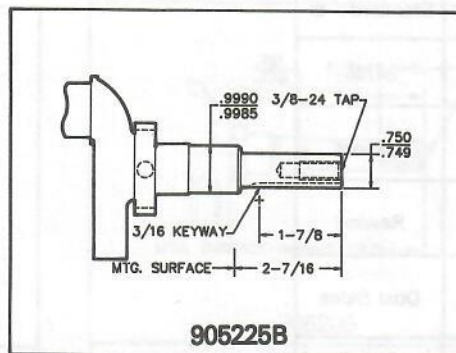
5 HORSEPOWER (MEDIUM FRAME) INDUSTRIAL APPLICATION XL XTRA LIFE INDUSTRIAL/COMMERCIAL



MODEL		HORSEPOWER	BORE & STROKE	DISPLACEMENT	OIL CAPACITY	(APPROX) WEIGHT	BOLT MTG. CIRCLE
H50 Cast Iron Bore	U.S.	5.0	2-5/8 x 2-1/4 in.	12.18 C.I.	19 oz.	46 lbs.	3-5/8 in.
	Metric	3.73 Kw	66.68 x 57.15 mm	199.57 cc	.56 ltr.	20.90 kg	90 mm

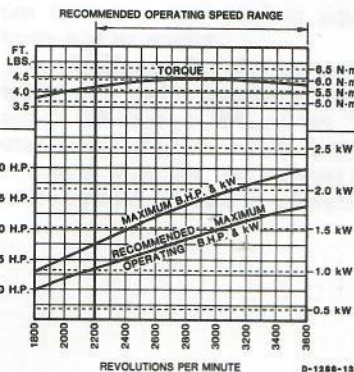
	905225B
Customer	Standard ■
Crankshaft Service No.	35235
Ignition	Solid State
Ball Bearing	X
Controls	Manual
Starter	Rewind *
Air Cleaner Style (Pg. 6) Service Part No. (Paper) (Poly)	Ref. 5 34782 34783
Carburetor	Float full adjust
Oil Drain	Dual Side
Exhaust Direction	Carb. Side
Fuel Tank (See Page 7) Ref. No.	4 Qts. 4
Paint	Red
Fast Moving Engines	X

NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.

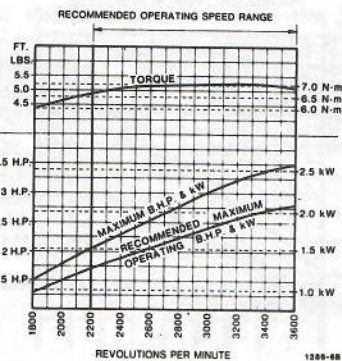


■ This engine is not eligible for return.
* No. 33328D - 120 volt electric starter, 611085 flywheel and 32158E blower housing can be installed.

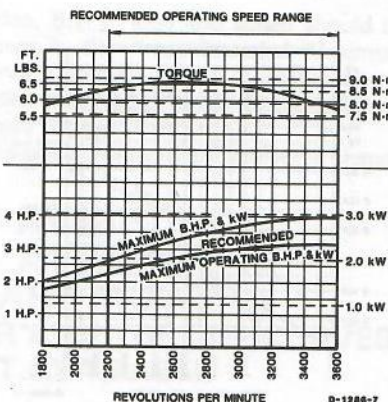
H30



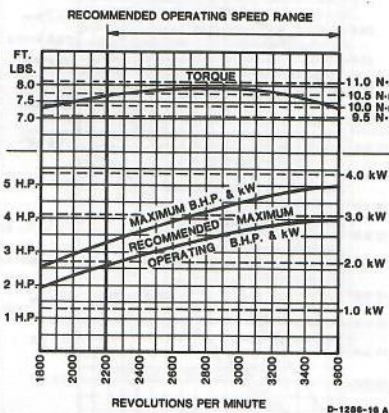
H35



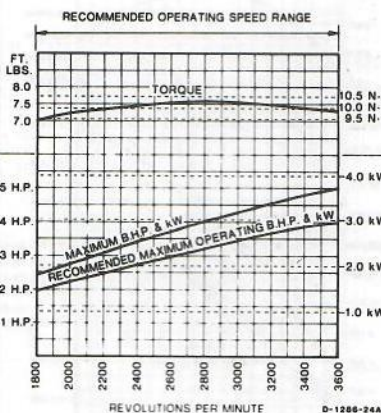
HS40



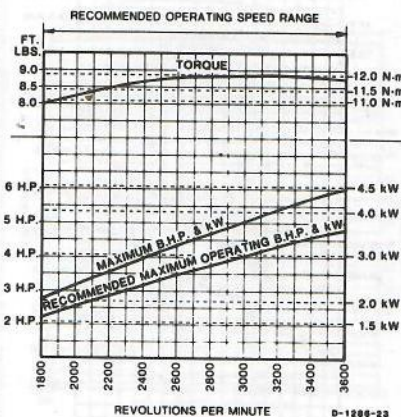
HS50



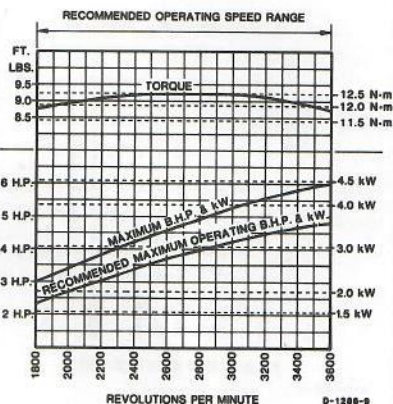
H50



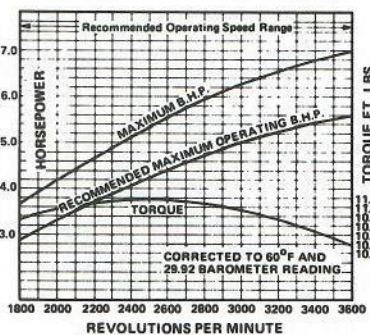
H60



HH60



H70



HM80

