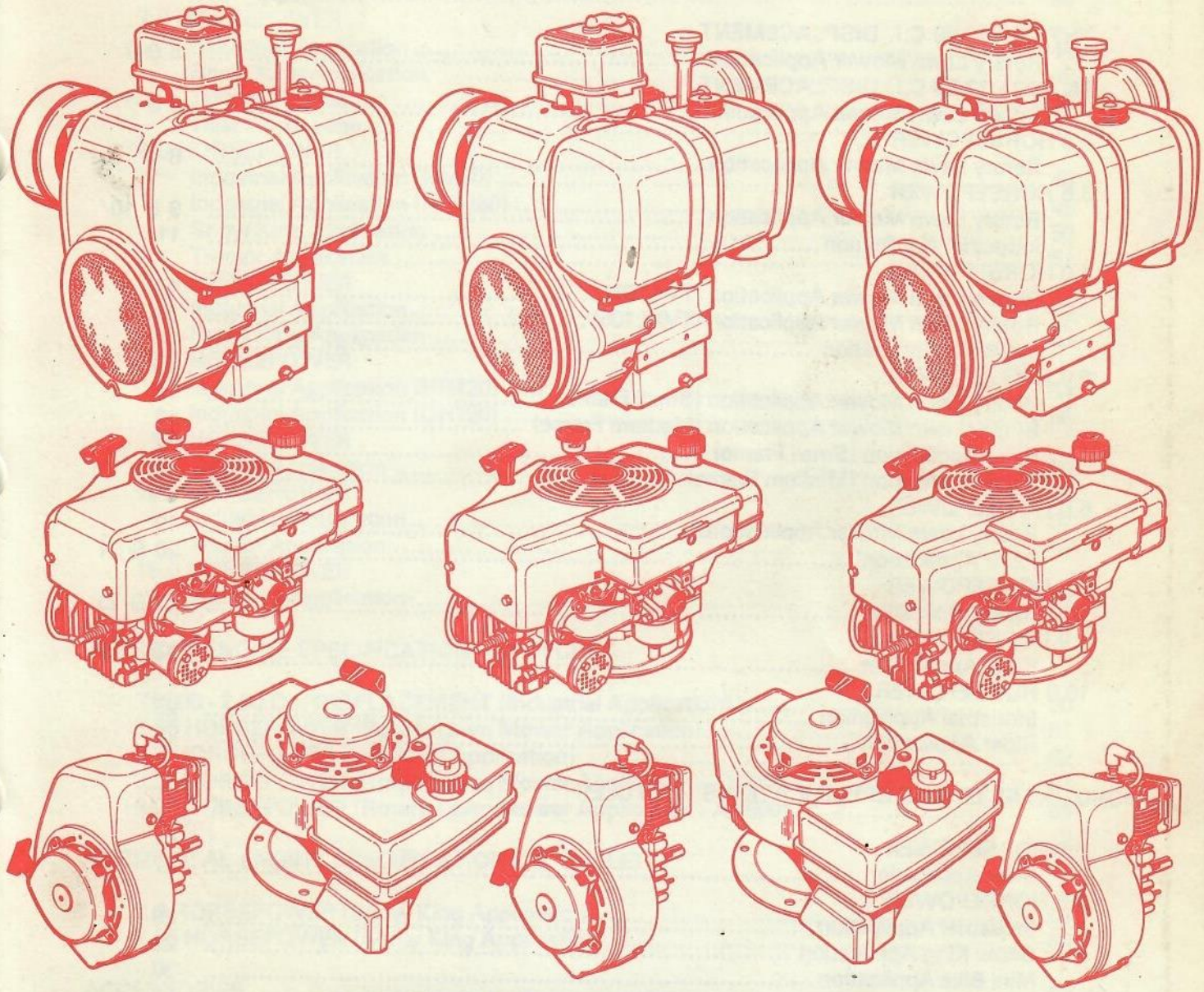
TECUMSEH ENGINE SPECIFICATIONS



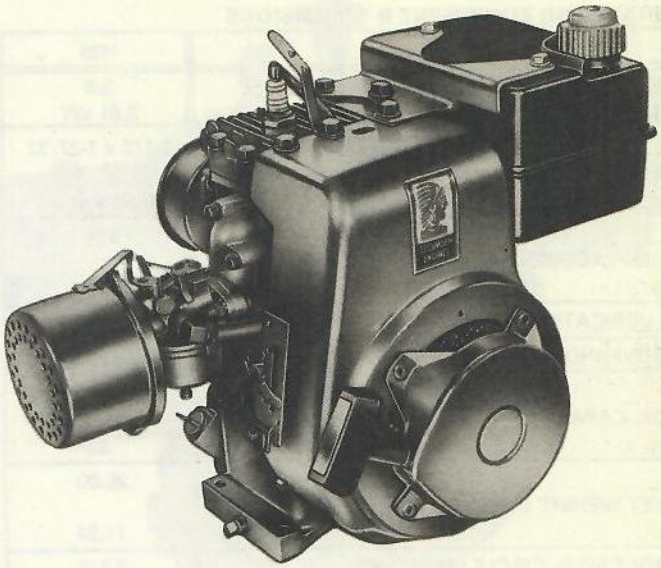
EFFECTIVE OCTOBER 1, 1983

TECUMSEH PRODUCTS COMPANY
ENGINE AND GEAR SERVICE DIVISION
GRAFTON, WISCONSIN 53024
(414) 377-2700

3 HORSEPOWER (SMALL FRAME) TILLER APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

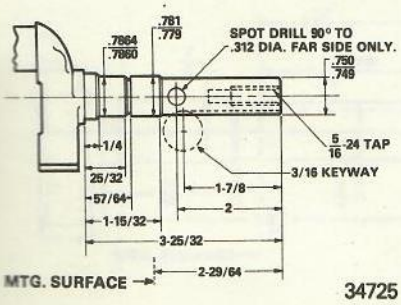
MODEL		H30
HORSEPOWER		3.0 2.24 kW
BORE & STROKE	INCHES	2-5/16 x 1-27/32
	MILLIMETERS	58.74 x 46.84
DISPLACEMENT	CUBIC INCHES	7.75
	CUBIC CENTIMETERS	126.93
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	25.00
	KILOGRAMS	11.34
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 902000 (HORIZONTAL 3.0 H.P.)																		
902605	34725		PS	2		FI	M	X	Re			P		DS			STD■	✓

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



34725

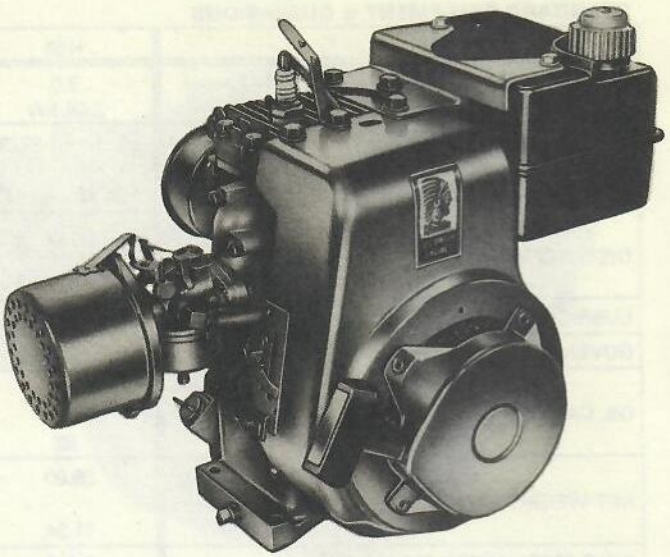
NOTES

DS	Dual sides oil drain	P	Paper air cleaner	STD	Standard Engine
FI	Float carburetor	PS	P.T.O. side	■	This engine is not eligible for return.
M	Manual control	Re	Rewind starter		

3.5 HORSEPOWER (SMALL FRAME) INDUSTRIAL APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

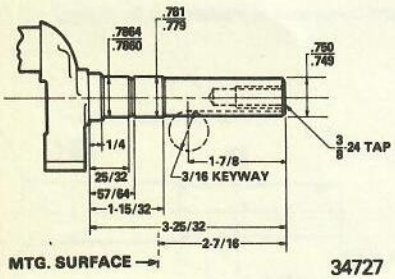
MODEL		H35
HORSEPOWER		3.5 2.61 kW
BORE & STROKE	INCHES	2-1/2 x 1-27/32
	MILLIMETERS	63.50 x 46.84
DISPLACEMENT	CUBIC INCHES	9.05
	CUBIC CENTIMETERS	148.34
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	25.00
	KILOGRAMS	11.34
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 903000 (HORIZONTAL 3.5 H.P.)																		
903220	34727		CS	2		FI	M	X	Re			P		DS			STD■	

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



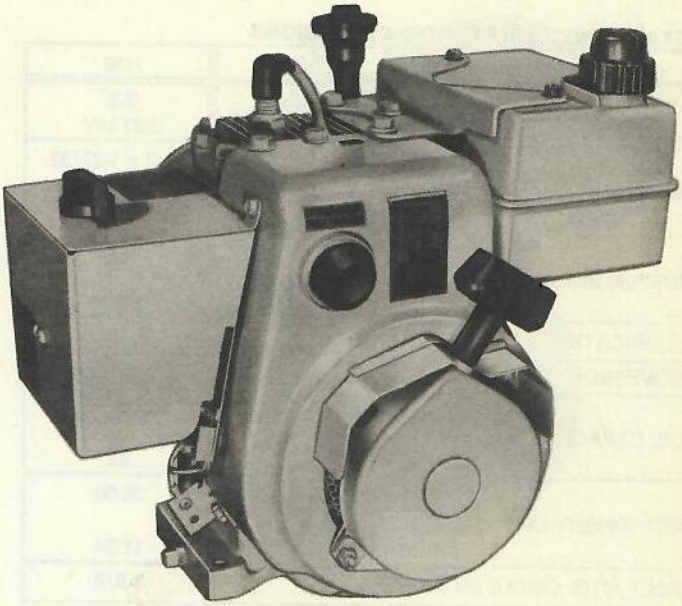
NOTES

CS	Carburetor side	M	Manual control	STD	Standard Engine
DS	Dual sides oil drain	P	Paper air cleaner	■	This engine is not eligible for return.
FI	Float carburetor	Re	Rewind starter		

3.5 HORSEPOWER (SMALL FRAME) SNOW KING APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

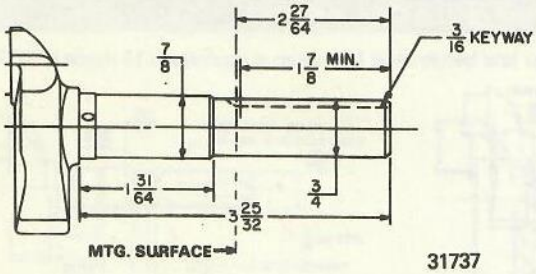
MODEL		H35
HORSEPOWER		3.5 2.61 kW
BORE & STROKE	INCHES	2-1/2 x 1-27/32
	MILLIMETERS	63.50 x 46.84
DISPLACEMENT	CUBIC INCHES	9.05
	CUBIC CENTIMETERS	148.34
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	26.50
	KILOGRAMS	12.02
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 903000 (HORIZONTAL 3.5 H.P.)																		
903361A	31737	2:1	PS	1		D	M		Re	RG			X	DS			A‡ 5	

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



31737

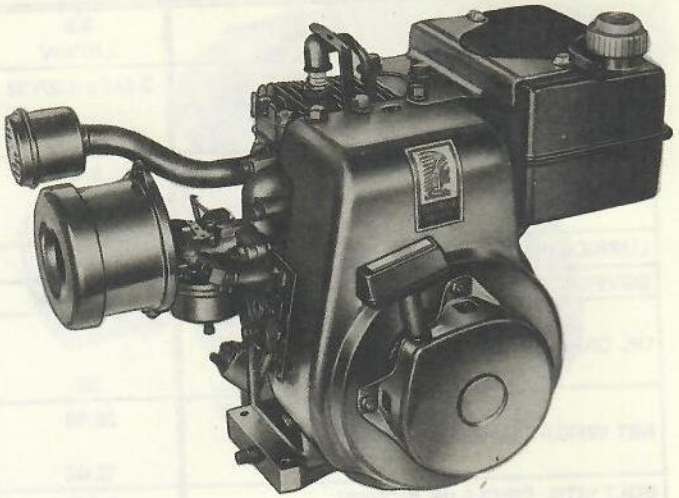
NOTES

A	Ariens	PS	P.T.O. side	5	No. 33290B - 120 Volt Electric Starter can be installed.
D	Diaphragm carburetor	Re	Rewind starter		
DS	Dual sides oil drain	RG	Ring gear on flywheel		
M	Manual control	‡	This engine is not eligible for after-market O.E.M. Discount.		

3.5 HORSEPOWER (SMALL FRAME) MINI BIKE APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

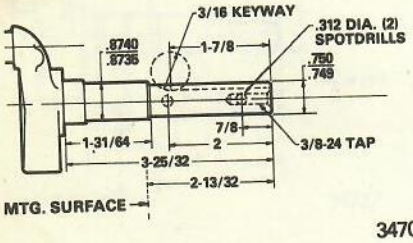
MODEL		H35
HORSEPOWER		3.5 2.61 kW
BORE & STROKE	INCHES	2-1/2 x 1-27/32
	MILLIMETERS	63.50 x 46.84
DISPLACEMENT	CUBIC INCHES	9.05
	CUBIC CENTIMETERS	148.34
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	25.00
	KILOGRAMS	11.34
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



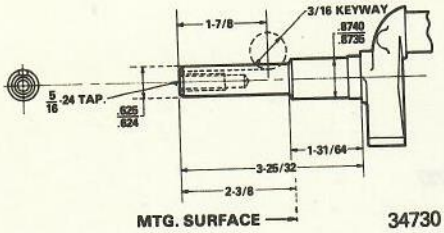
ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 903000 (HORIZONTAL 3.5 H.P.)																		
903405	34709		CS	2		FI	MB		Re			P		DS			STD■	✓
903425	34730		CS	2		FI	MB		Re			P		DS			STD■	✓

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



34709



34730

NOTES

CS Carburetor side
DS Dual sides oil drain
FI Float carburetor

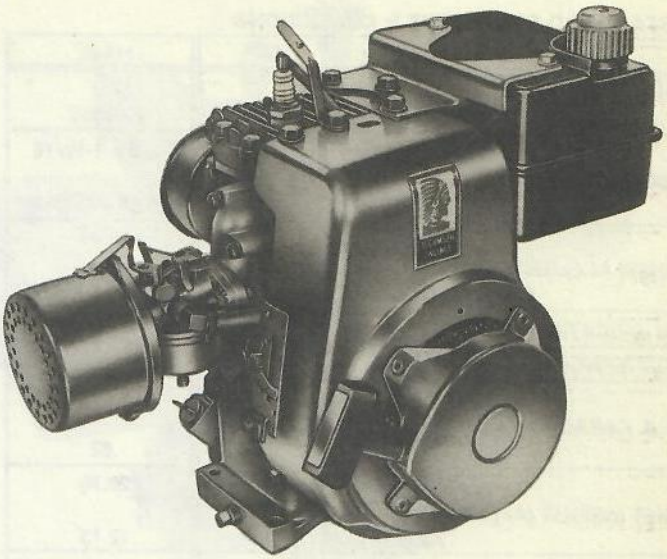
MB Mini-Bike control
P Paper air cleaner
Re Rewind starter

STD Standard Engine
■ This engine is not eligible for return.

3.5 HORSEPOWER (SMALL FRAME) TILLER APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

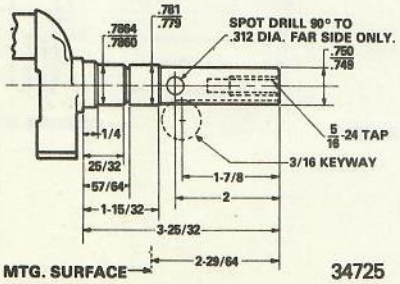
MODEL		H35
HORSEPOWER		3.5 2.61 kW
BORE & STROKE	INCHES	2-1/2 x 1-27/32
	MILLIMETERS	63.50 x 46.84
DISPLACEMENT	CUBIC INCHES	9.05
	CUBIC CENTIMETERS	148.34
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	25.00
	KILOGRAMS	11.34
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



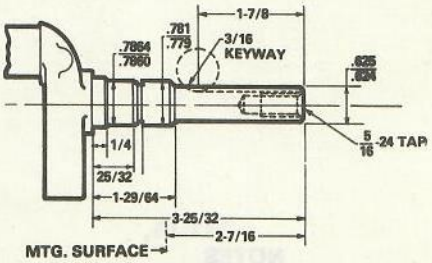
ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 903000 (HORIZONTAL 3.5 H.P.)																		
903605	34725		PS	2		FI	M	X	Re			P		DS			STD■	✓
903607	34725		CS	2		FI	R	X	Re			P		DS			STD■	
903625	34723		CS	2		FI	M	X	Re			P		DS			STD■	
903662	34778		PS	4		FI	R	X	Re			F		DS			T‡	✓
903664	34756	X	PS	2		FI	R		Re			P		DS			GW‡	

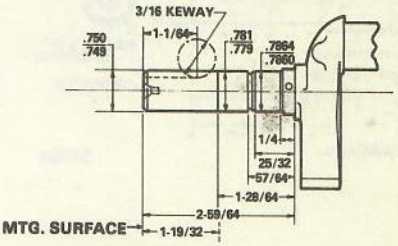
NOTE: Length of crankshaft is measured from drilled and tapped face on the cover plate to end of shaft.



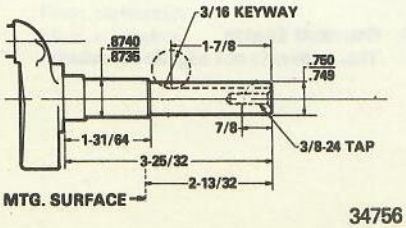
34725



34723



34778



34756

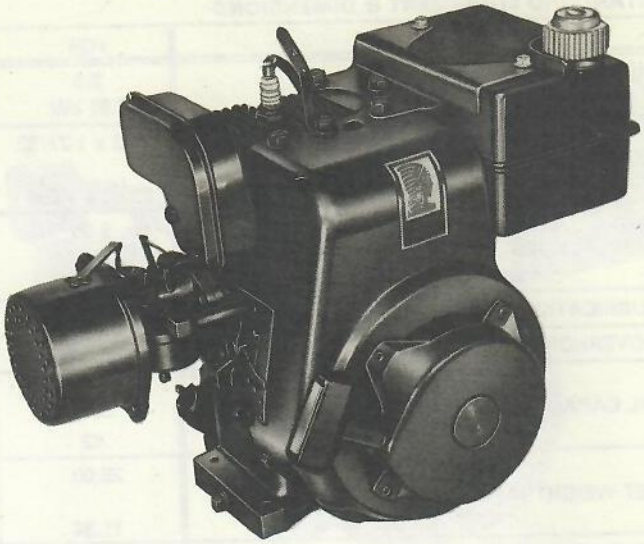
NOTES

CS	Carburetor side	R	Remote control
DS	Dual sides oil drain	Re	Rewind starter
F	Poly foam air cleaner	STD	Standard Engine
FI	Float carburetor	T	Toro
GW	Garden Way	‡	This engine is not eligible for after-market O.E.M. Discount.
M	Manual control		
P	Paper air cleaner	■	This engine is not eligible for return.
PS	P.T.O. side		

4 HORSEPOWER (SMALL FRAME) INDUSTRIAL APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

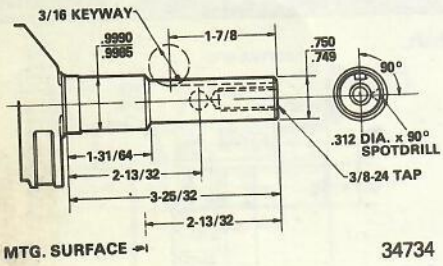
MODEL		HS40
HORSEPOWER		4.0 2.98 kW
BORE & STROKE	INCHES	2-5/8 x 1-15/16
	MILLIMETERS	66.68 x 49.23
DISPLACEMENT	CUBIC INCHES	10.49
	CUBIC CENTIMETERS	171.91
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	26.75
	KILOGRAMS	12.13
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 904000 (HORIZONTAL 4.0 H.P.)																		
904210	34734		CS	2		FI	M		Re				P		DS			STD■	✓

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



34734

NOTES

CS Carburetor side
DS Dual sides oil drain
FI Float carburetor

M Manual control
P Paper air cleaner
Re Rewind starter

STD Standard Engine
■ This engine is not eligible for return.

4 HORSEPOWER (SMALL FRAME) SNOW KING APPLICATION

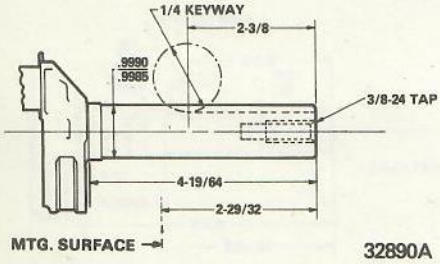
STANDARD EQUIPMENT & DIMENSIONS

MODEL	HS40
HORSEPOWER	4.0 2.98 kW
BORE & STROKE — INCHES	2-5/8 x 1-15/16
BORE & STROKE — MILLIMETERS	66.68 x 49.23
DISPLACEMENT — CUBIC INCHES	10.49
DISPLACEMENT — CUBIC CENTIMETERS	171.91
LUBRICATION	Splash
GOVERNOR	Mechanical
OIL CAPACITY — OUNCES	21
OIL CAPACITY — LITERS	.62
NET WEIGHT (APPROX.) — POUNDS	28.00
NET WEIGHT (APPROX.) — KILOGRAMS	12.70
BOLT MTG. CIRCLE (IN INCHES)	3-5/8

ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 904000 (HORIZONTAL 4.0 H.P.)																		
904360A	32890A		CS	2			FI	M		Re	RG			X	DS			T‡5

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



32890A

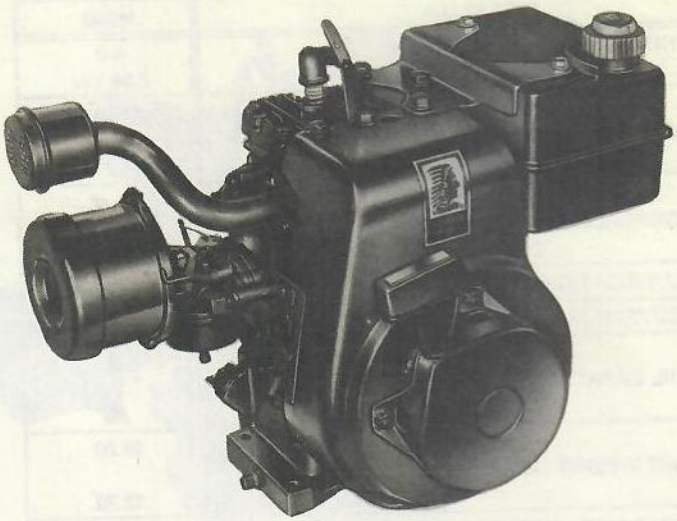
NOTES

CS	Carburetor side	Re	Rewind starter	‡	This engine is not eligible for after-market O.E.M. Discount.
DS	Dual sides oil drain	RG	Ring gear on flywheel	5	No. 33290B - 120 Volt Electric Starter can be installed.
FI	Float carburetor	T	Toro		
M	Manual control				

4 HORSEPOWER (SMALL FRAME) MINI BIKE APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

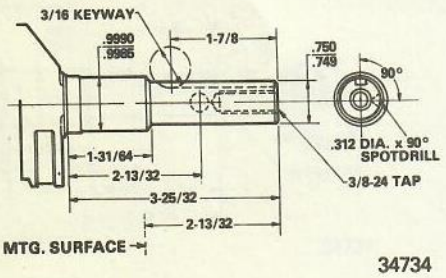
MODEL		HS40
HORSEPOWER		4.0 2.98 kW
BORE & STROKE	INCHES	2-5/8 x 1-15/16
	MILLIMETERS	66.68 x 49.23
DISPLACEMENT	CUBIC INCHES	10.49
	CUBIC CENTIMETERS	171.91
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	26.50
	KILOGRAMS	12.02
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 904000 (HORIZONTAL 4.0 H.P.)																		
904405	34734		CS	2		FI	MB		Re			P		DS			STD■	✓
904407	34734		CS	2		FI	MB		Re	3 amp		P		DS			STD■	✓

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



34734

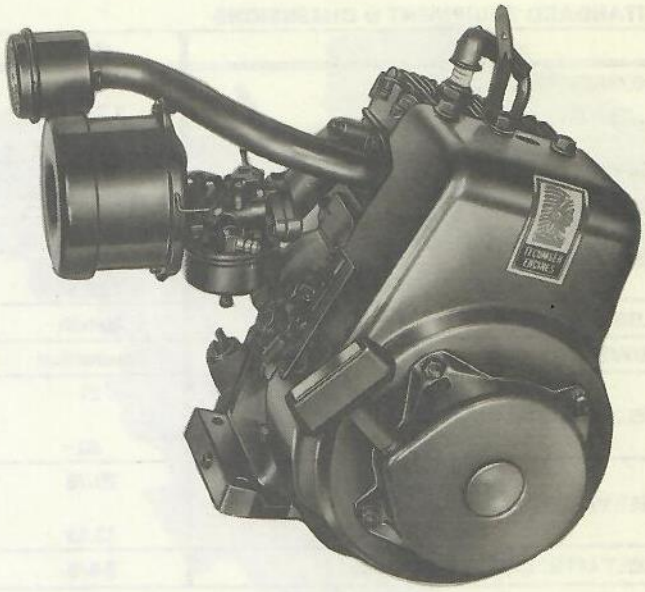
NOTES

CS	Carburetor side
DS	Dual sides oil drain
FI	Float carburetor
MB	Mini-Bike control
P	Paper air cleaner
Re	Rewind starter
STD	Standard Engine
■	This engine is not eligible for return.

4 HORSEPOWER (SMALL FRAME) MINI BIKE APPLICATION (20° SLANT)

STANDARD EQUIPMENT & DIMENSIONS

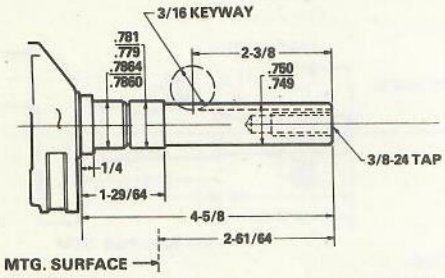
MODEL		HS40
HORSEPOWER		4.0 2.98 kW
BORE & STROKE	INCHES	2-5/8 x 1-15/16
	MILLIMETERS	66.68 x 49.23
DISPLACEMENT	CUBIC INCHES	10.49
	CUBIC CENTIMETERS	171.91
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	24.75
	KILOGRAMS	11.22
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - *SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 904000 (HORIZONTAL 4.0 H.P.)																		
904415	34738		CS			FI	MB	X	Re	3 amp		P		DS			STD■	✓

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



34738

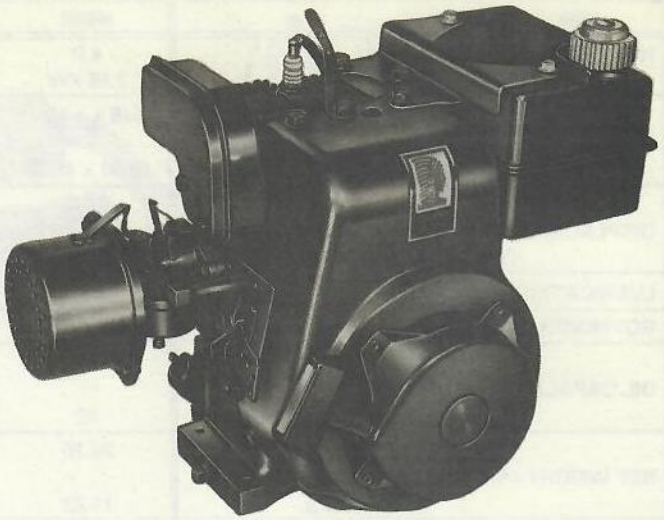
NOTES

CS	Carburetor side	MB	Mini-Bike control	STD	Standard Engine
DS	Dual sides oil drain	P	Paper air cleaner	■	This engine is not eligible for return.
FI	Float carburetor	Re	Rewind starter		

5 HORSEPOWER (SMALL FRAME) INDUSTRIAL APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

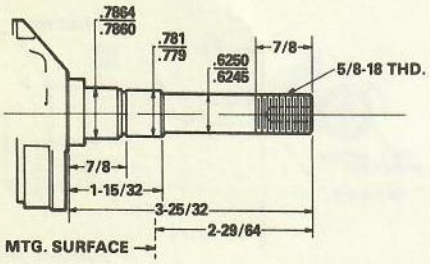
MODEL		HS50
HORSEPOWER		5.0 3.73 kW
BORE & STROKE	INCHES	2-13/16 x 1-15/16
	MILLIMETERS	71.44 x 49.23
DISPLACEMENT	CUBIC INCHES	12.04
	CUBIC CENTIMETERS	197.34
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	26.75
	KILOGRAMS	12.13
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES		SEE NOTES	FAST MOVING ENGINES
SERIES 905000 (HORIZONTAL 5.0 H.P.)																			
905205	34747		CS	2		FI	M	X	Re				P		DS			STD■	
905215	34744		CS	2		FI	FS	X	Re				P		DS			STD■	

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



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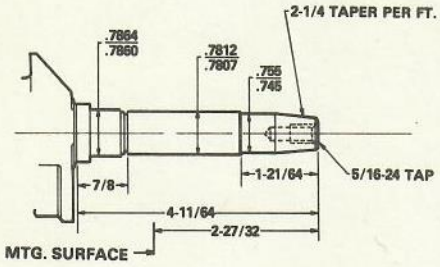


34744

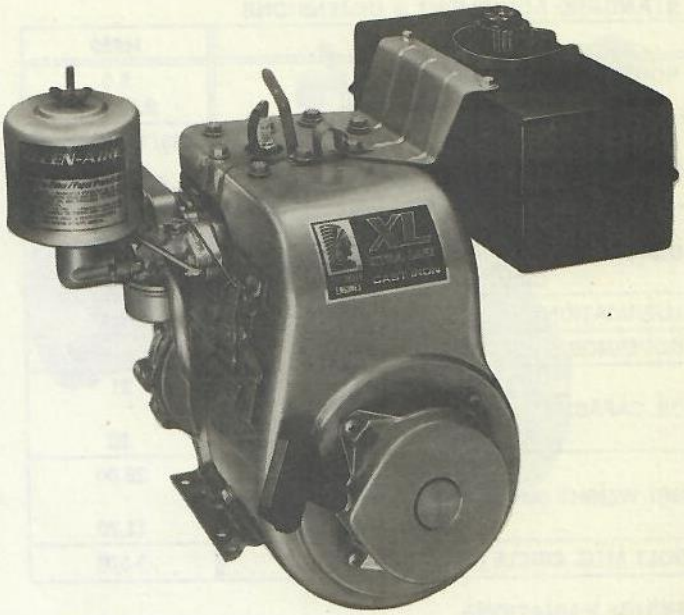
NOTES

CS	Carburetor side	FS	Fixed speed	Re	Rewind starter
DS	Dual sides oil drain	M	Manual control	STD	Standard Engine
FI	Float carburetor	P	Paper air cleaner	■	This engine is not eligible for return.

5 HORSEPOWER (MEDIUM FRAME) INDUSTRIAL APPLICATION XL XTRA LIFE

STANDARD EQUIPMENT & DIMENSIONS

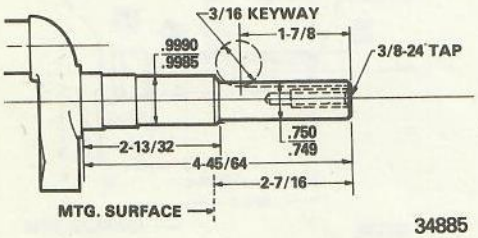
MODEL	HH50 CAST IRON
HORSEPOWER	5.0 3.73 kW
BORE & STROKE — INCHES	2-5/8 x 2-1/4
BORE & STROKE — MILLIMETERS	66.68 x 57.15
DISPLACEMENT — CUBIC INCHES	12.18
DISPLACEMENT — CUBIC CENTIMETERS	199.57
LUBRICATION	Splash
GOVERNOR	Mechanical
OIL CAPACITY — OUNCES	19
OIL CAPACITY — LITERS	.56
NET WEIGHT (APPROX.) — POUNDS	51.25
NET WEIGHT (APPROX.) — KILOGRAMS	23.25
BOLT MTG. CIRCLE (IN INCHES)	3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	BOLT MTG. CIRCLE - SEE NOTES	CAST IRON	SEE NOTES	FAST MOVING ENGINES
SERIES 905000 (HORIZONTAL 5.0 H.P.)																		
905211	34885		CS	4		FI	M	X	Re	RG		DE		DS	X		STD■ 3	

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



34885

NOTES

CS Carburetor side
DE Dual element air cleaner
DS Dual sides oil drain
FI Float carburetor

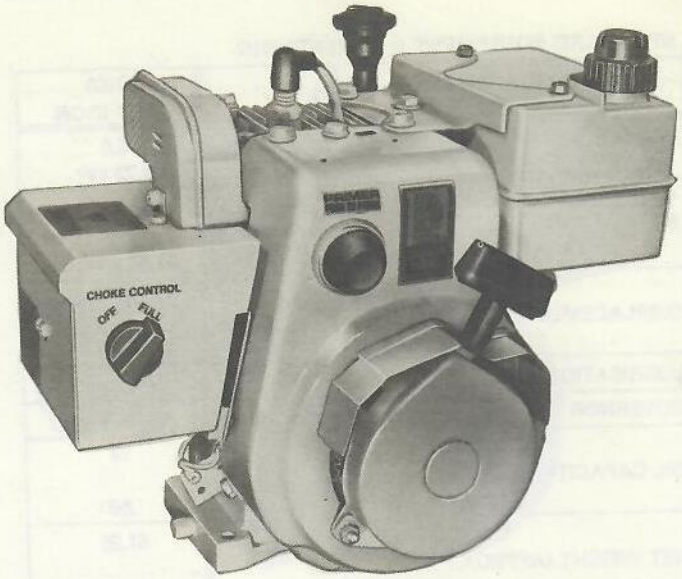
M Manual control
Re Rewind starter
RG Ring gear on flywheel
STD Standard Engine

■ This engine is not eligible for return.
3 No. 33328B - 120 Volt Electric Starter can be installed.

5 HORSEPOWER (SMALL FRAME) SNOW KING APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

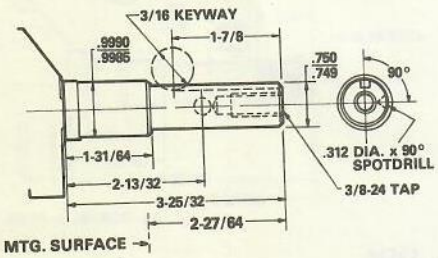
MODEL		HS50
HORSEPOWER		5.0 3.73 kW
BORE & STROKE	INCHES	2-13/16 x 1-15/16
	MILLIMETERS	71.44 x 49.23
DISPLACEMENT	CUBIC INCHES	12.04
	CUBIC CENTIMETERS	197.34
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	28.00
	KILOGRAMS	12.70
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



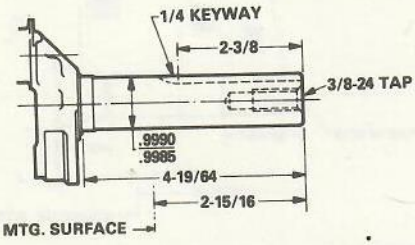
ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 905000 (HORIZONTAL 5.0 H.P.)																		
905305	34740	2:1	CS	2		FI	M		Re	RG			X	DS			STD■5	✓
905360	34739		CS	2		FI	R		Re	RG				DS			T‡5	

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



34740



34739

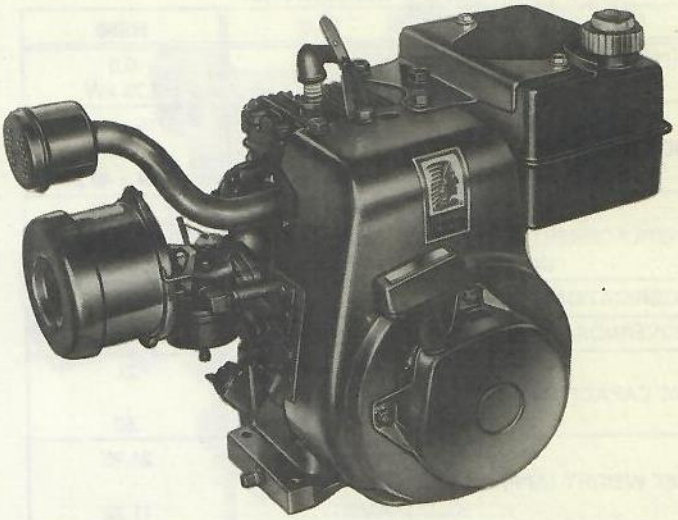
NOTES

CS	Carburetor side
DS	Dual sides oil drain
FI	Float carburetor
M	Manual control
R	Remote control
RG	Ring gear on flywheel
Re	Rewind starter
STD	Standard Engine
T	Toro
‡	This engine is not eligible for after-market O.E.M. Discount.
■	This engine is not eligible for return.
5	No. 33290B - 120 Volt Electric Starter can be installed.

5 HORSEPOWER (SMALL FRAME) MINI BIKE APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

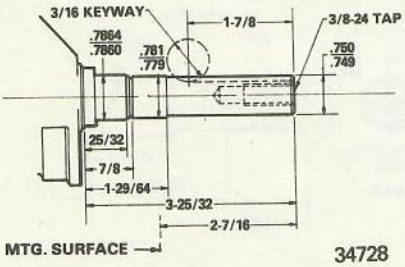
MODEL	HS50
HORSEPOWER	5.0 3.73 kW
BORE & STROKE — INCHES	2-13/16 x 1-15/16
BORE & STROKE — MILLIMETERS	71.44 x 49.23
DISPLACEMENT — CUBIC INCHES	12.04
DISPLACEMENT — CUBIC CENTIMETERS	197.34
LUBRICATION	Splash
GOVERNOR	Mechanical
OIL CAPACITY — OUNCES	21
OIL CAPACITY — LITERS	.62
NET WEIGHT (APPROX.) — POUNDS	26.50
NET WEIGHT (APPROX.) — KILOGRAMS	12.02
BOLT MTG. CIRCLE (IN INCHES)	3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 905000 (HORIZONTAL 5.0 H.P.)																		
905415	34728		CS	2		FI	MB	X	Re			P		DS			STD■	✓

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



34728

NOTES

CS	Carburetor side	MB	Mini-Bike control	STD	Standard Engine
DS	Dual sides oil drain	P	Paper air cleaner	■	This engine is not eligible for return.
FI	Float carburetor	Re	Rewind starter		

5 HORSEPOWER (SMALL FRAME) MINI BIKE APPLICATION (20° SLANT)

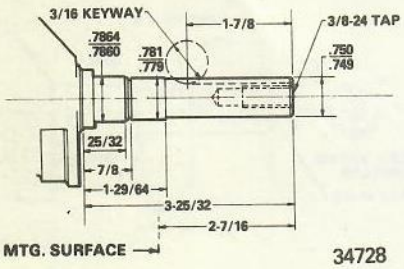
STANDARD EQUIPMENT & DIMENSIONS

MODEL	HS50
HORSEPOWER	5.0 3.73 kW
BORE & STROKE — INCHES	2-13/16 x 1-15/16
BORE & STROKE — MILLIMETERS	71.44 x 49.23
DISPLACEMENT — CUBIC INCHES	12.04
DISPLACEMENT — CUBIC CENTIMETERS	197.34
LUBRICATION	Splash
GOVERNOR	Mechanical
OIL CAPACITY — OUNCES	21
OIL CAPACITY — LITERS	.62
NET WEIGHT (APPROX.) — POUNDS	24.75
NET WEIGHT (APPROX.) — KILOGRAMS	11.22
BOLT MTG. CIRCLE (IN INCHES)	3-5/8

ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 905000 (HORIZONTAL 5.0 H.P.)																		
905425	34728		CS				FI	MB	X	Re	3 amp		P		DS			STD■

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



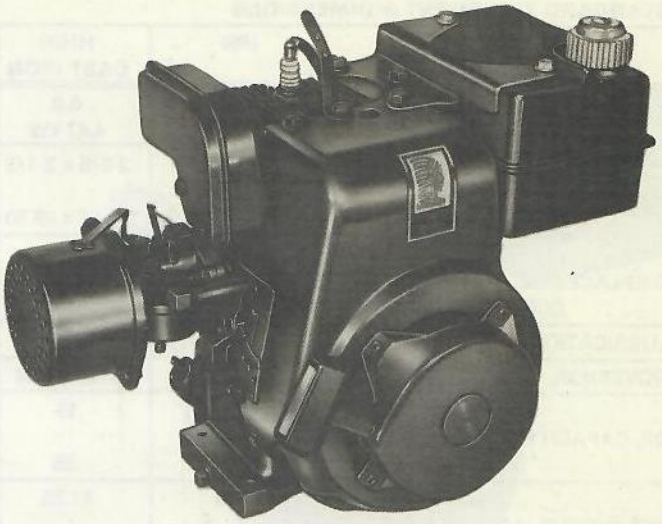
NOTES

CS	Carburetor side	MB	Mini-Bike control	STD	Standard Engine
DS	Dual sides oil drain	P	Paper air cleaner	■	This engine is not eligible for return.
FI	Float carburetor	Re	Rewind starter		

5 HORSEPOWER (SMALL FRAME) TILLER APPLICATION

STANDARD EQUIPMENT & DIMENSIONS

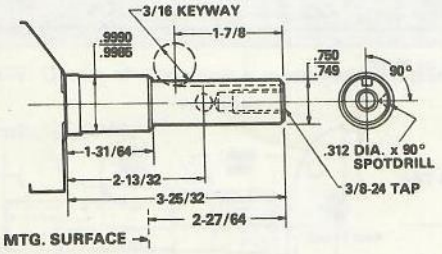
MODEL		HS50
HORSEPOWER		5.0 3.73 kW
BORE & STROKE	INCHES	2-13/16 x 1-15/16
	MILLIMETERS	71.44 x 49.23
DISPLACEMENT	CUBIC INCHES	12.04
	CUBIC CENTIMETERS	197.34
LUBRICATION		Splash
GOVERNOR		Mechanical
OIL CAPACITY	OUNCES	21
	LITERS	.62
NET WEIGHT (APPROX.)	POUNDS	26.75
	KILOGRAMS	12.13
BOLT MTG. CIRCLE (IN INCHES)		3-5/8



ENGINE VARIATIONS

SERVICE NUMBER	CRANKSHAFT NUMBER	AUXILIARY P.T.O. SHAFT	EXHAUST DIRECTION	FUEL TANK CAPACITY IN QUARTS	PULSE TYPE FUEL PUMP	CARBURETOR	CONTROLS	BALL BEARING	STARTER	MAGNETO FEATURE	REGULATOR	AIR CLEANER	OIL FILLER TUBE	OIL DRAIN	CAST IRON	BOLT MTG. CIRCLE - SEE NOTES	SEE NOTES	FAST MOVING ENGINES
SERIES 905000 (HORIZONTAL 5.0 H.P.)																		
905605	34740	2:1	CS	2		FI	R		Re			P		DS			STD■	✓

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



34740

NOTES

CS	Carburetor side	P	Paper air cleaner	STD	Standard Engine
DS	Dual sides oil drain	R	Remote control	■	This engine is not eligible for return.
FI	Float carburetor	Re	Rewind starter		

ENGINE HORSEPOWER AND TORQUE CURVES
4 CYCLE ENGINES

Horsepower is measured in accordance with appropriate SAE test procedures.

Power curves are corrected to standard conditions of sea level barometer and temperature of 60° F. and are developed from laboratory test engines equipped with standard air cleaner and muffler.

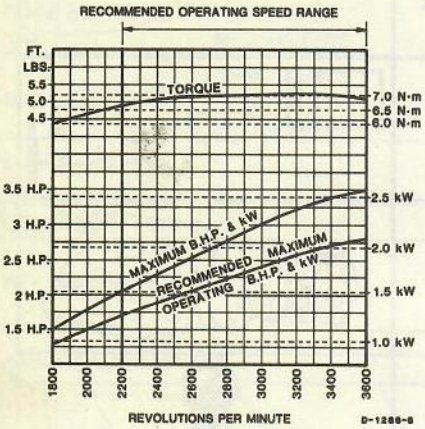
The "Maximum B.H.P." curve represents laboratory test engines equipped to operate at full performance. Production engines will develop 85% of the "Maximum B.H.P." when tested after run-in to reduce friction and after clean out of combustion chamber, with valves, carburetor and ignition system adjusted to laboratory standards.

Engine power will decrease 3½% for each 1,000 ft. above sea level and 1% for each 10° F. above standard temperature of 60° F.

For practical operation, B.H.P. load and speed should be within the limits shown in the "Recommended Maximum Operating B.H.P." curve. Complete details of installation requiring operation at other than recommended speeds should be referred to the factory for approval.

NOTE: Specifications and dimensions are subject to change without notice.

LAV35



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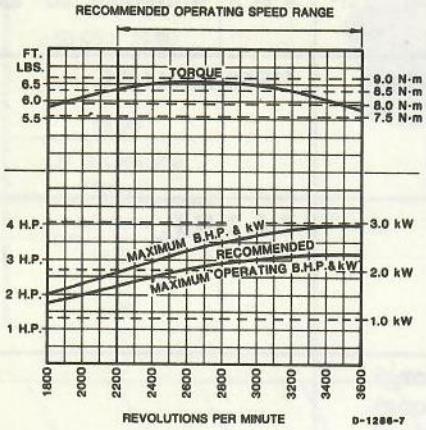

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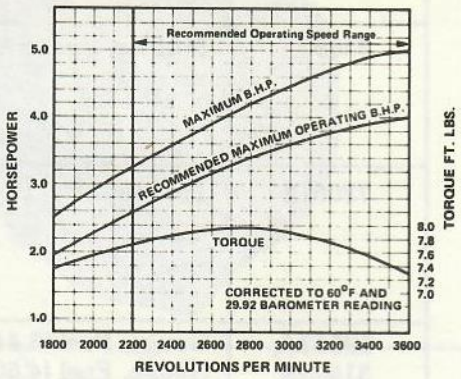
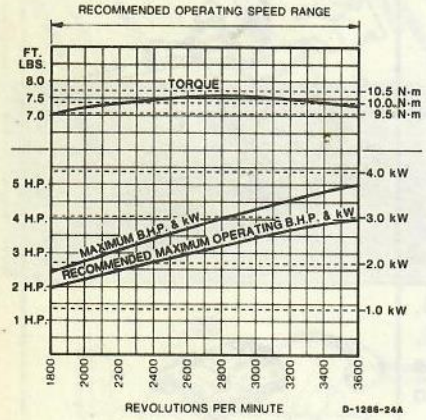


TVM125



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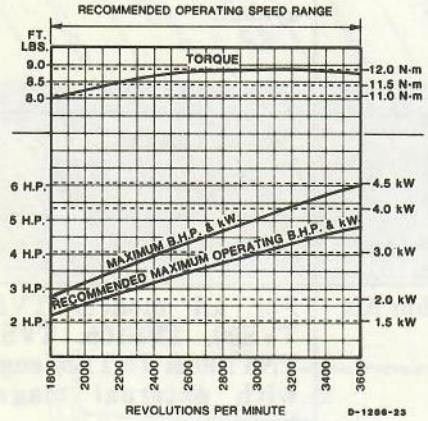

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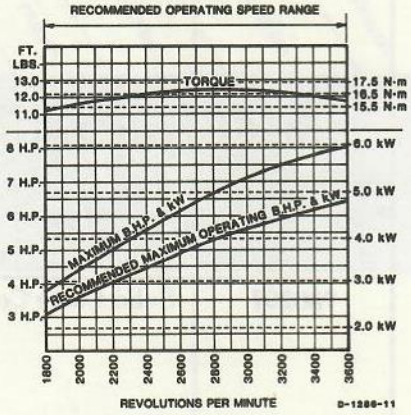

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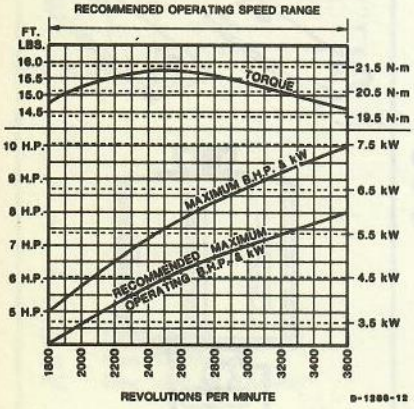
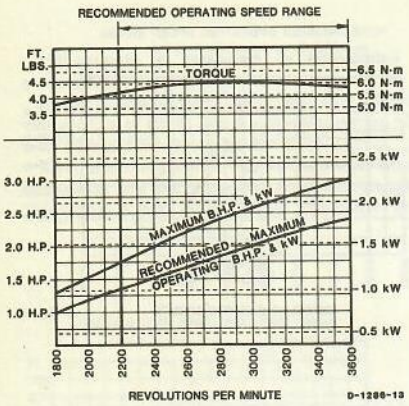


TNT100*
TNT120*

*HORSEPOWER AND TORQUE CURVES NOT AVAILABLE.

H30



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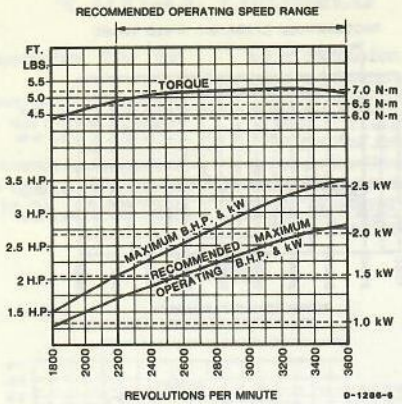

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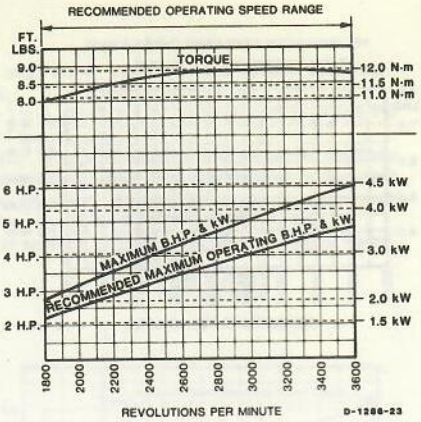

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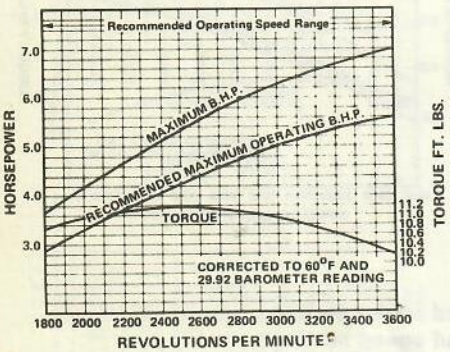

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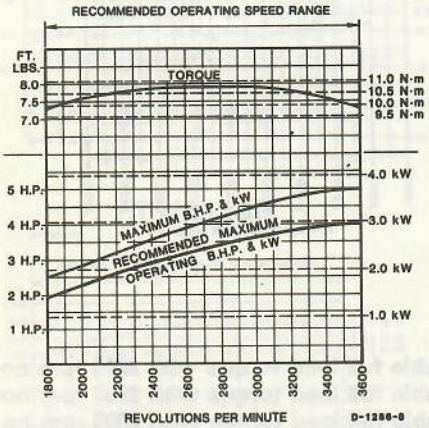

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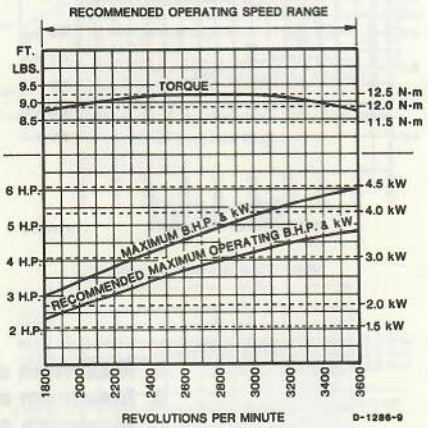

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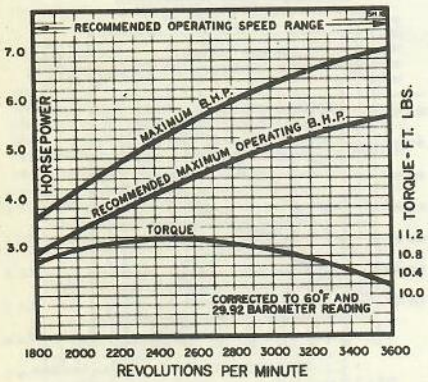

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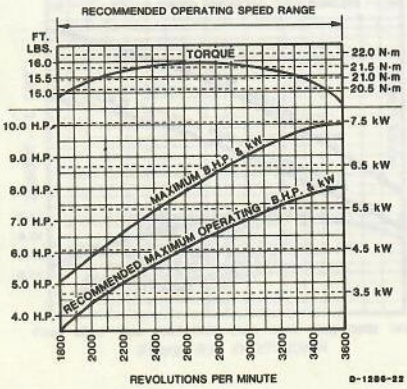
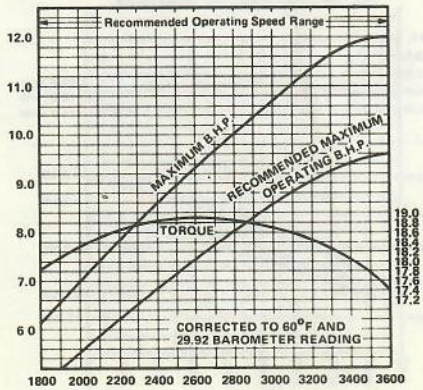
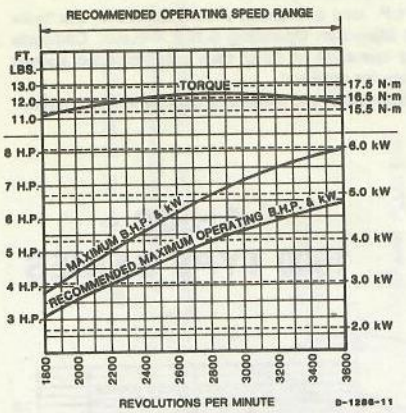


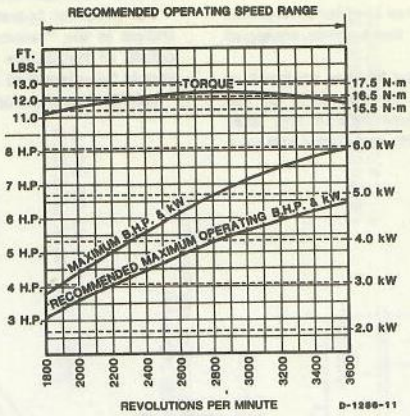
HH120



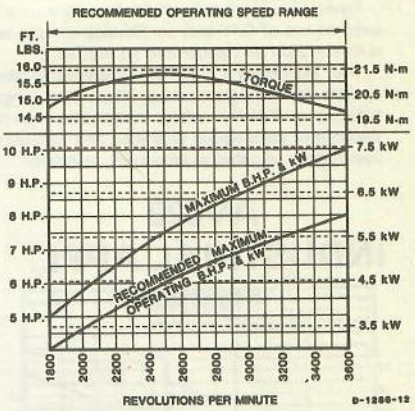
HM80



HHM80



HM100



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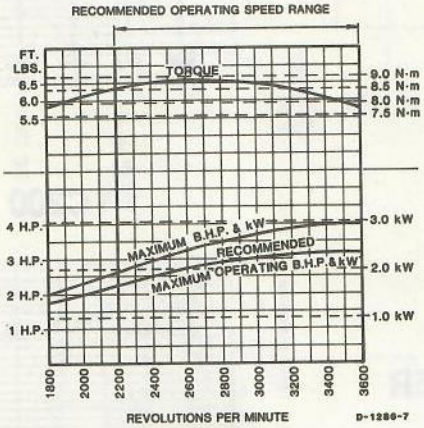
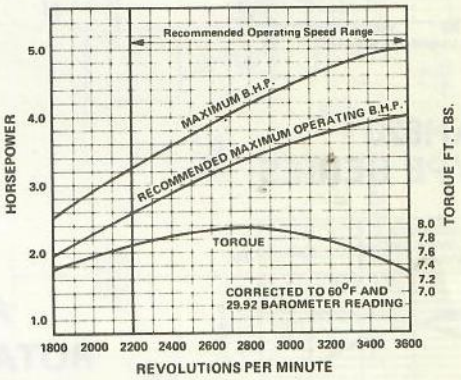


HS50



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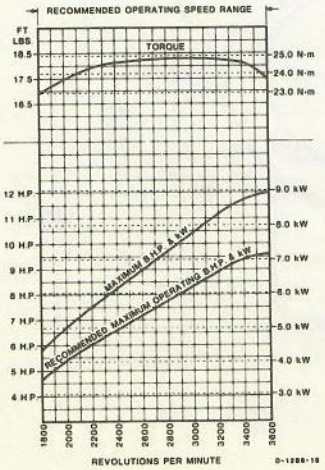
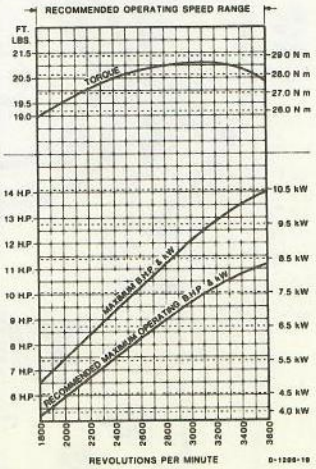


OH140



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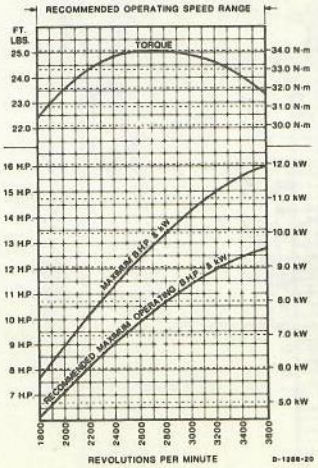

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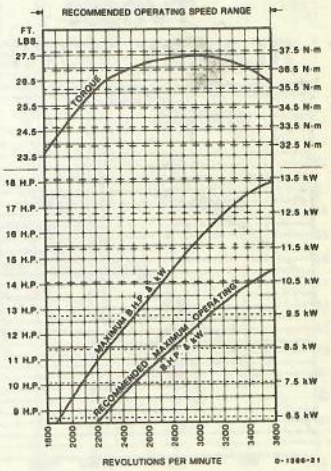
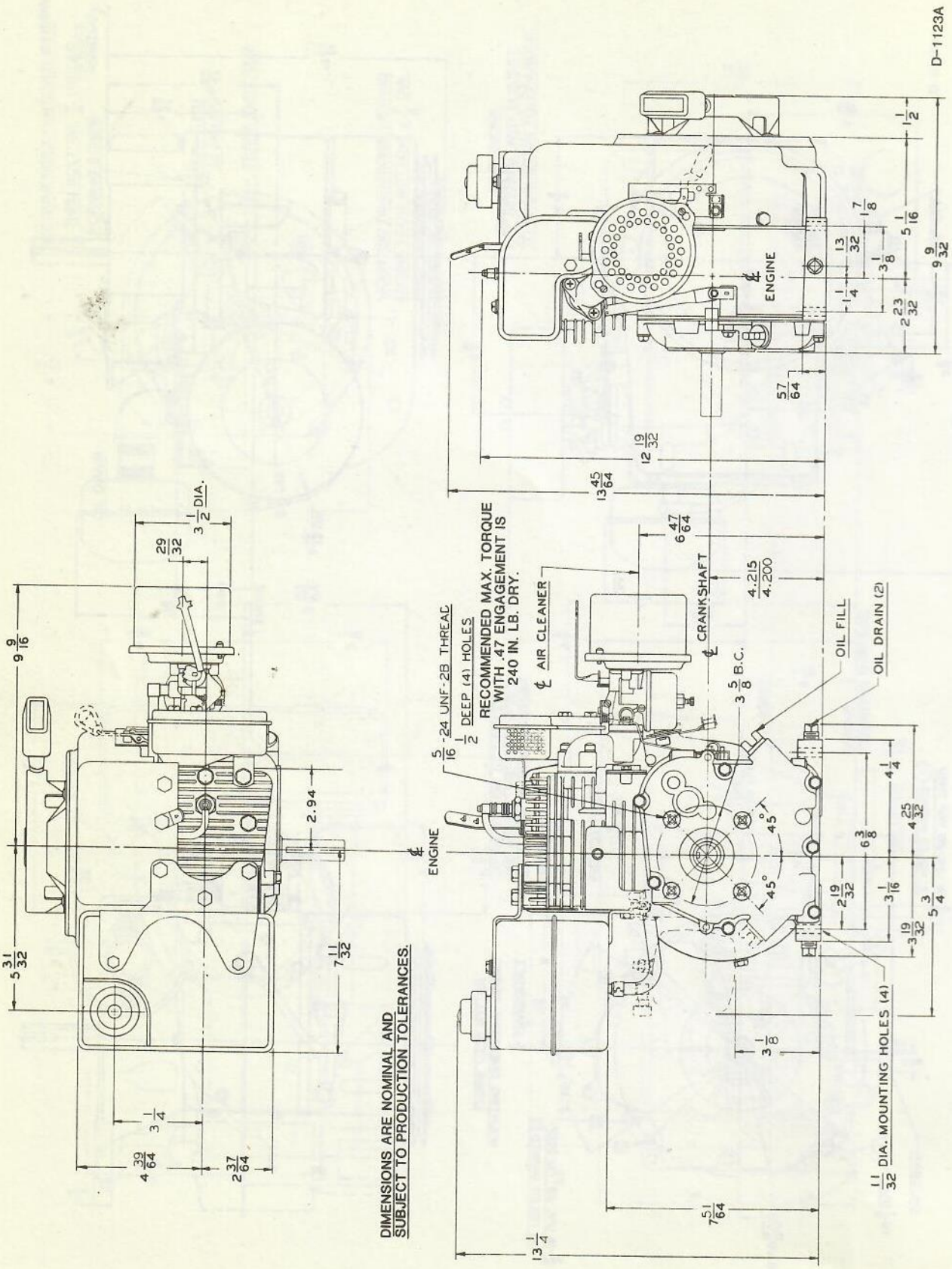
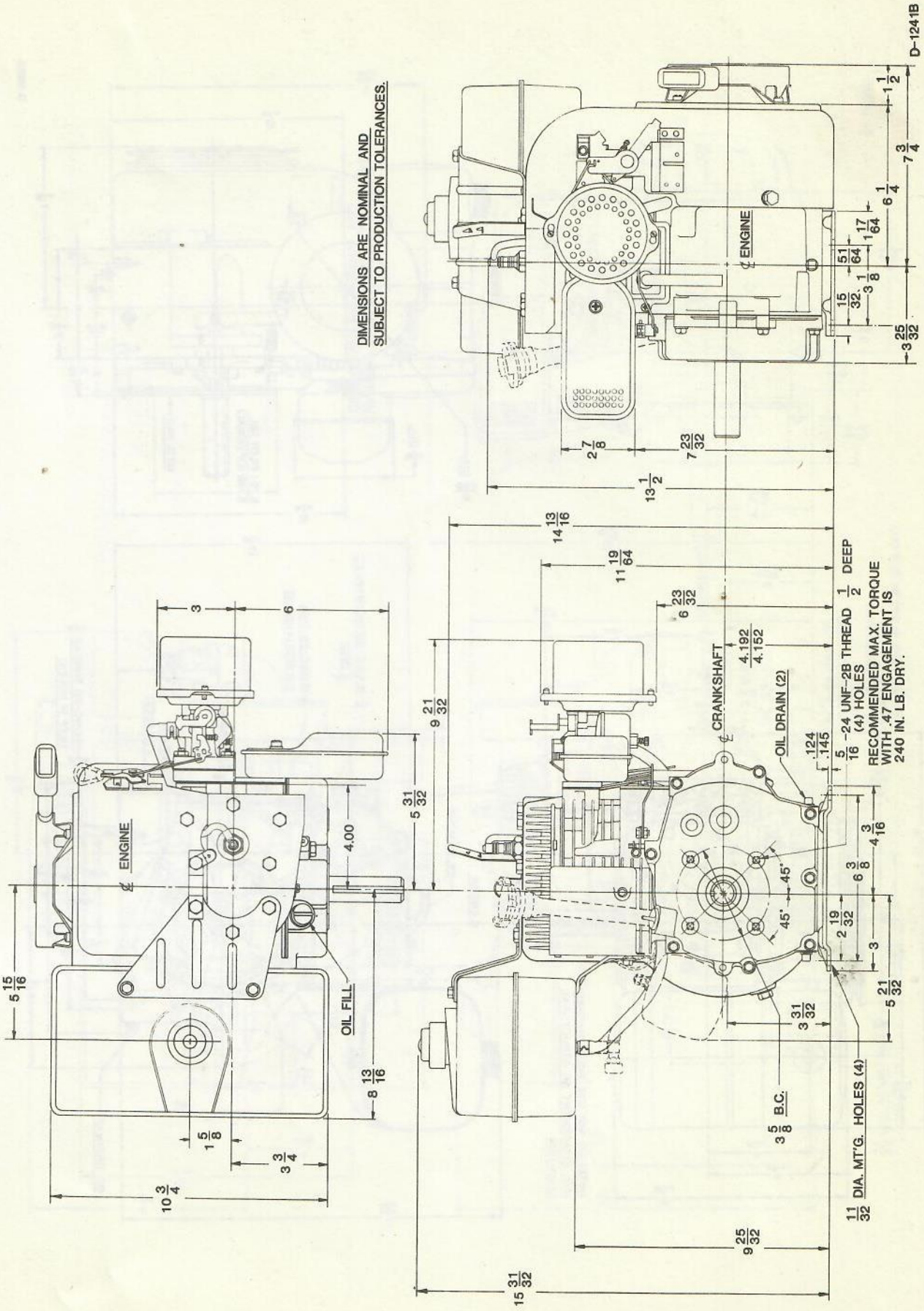



D-1123A
ENGINE
CRANKSHAFT
AIR CLEANER
OIL FILL
OIL DRAIN (2)
RECOMMENDED MAX. TORQUE WITH .47 ENGAGEMENT IS 240 IN. LB. DRY.
1/2 DEEP (4) HOLES
5/16 -24 UNF-2B THREAD
3 5/8 B.C.
11/32 DIA. MOUNTING HOLES (4)
1 1/2 DIA.
29/32
2.94
4.215
4.200
45°
DIMENSIONS ARE NOMINAL AND SUBJECT TO PRODUCTION TOLERANCES.


D-1241B
DIMENSIONS ARE NOMINAL AND SUBJECT TO PRODUCTION TOLERANCES.
ENGINE
OIL FILL
CRANKSHAFT
OIL DRAIN (2)
5/16 -24 UNF-2B THREAD 1/2 DEEP (4) HOLES
RECOMMENDED MAX. TORQUE WITH .47 ENGAGEMENT IS 240 IN. LB. DRY.
11/32 DIA. MT'G. HOLES (4)
3 5/8 B.C.
45°
45°