Our associates will ensure the tool works properly before you leave the store. If you experience issues with the tool while completing your project, simply bring it back to the Tool Rental Center to get a replacement. If you purchase Damage Protection at the time of your rental, you are not responsible for repair costs for tools that break due to normal use.

Need it? Chances are, we've got it!
HOUST
Hardware & Rentals
homegrown since 1932
woodstock, new york

Husqvarna

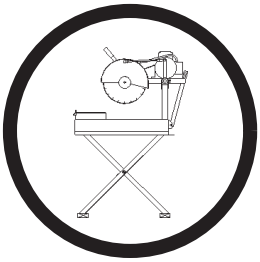
(GB) Operator's manual

Read these instructions carefully and make sure you understand them before using the TS 355.

(ES) Manual del operador

Lea cuidadosamente estas instrucciones y asegúrese de que las comprende bien antes de usar el TS 355.

TS 355, TS 355 G



HUSQVARNA CONSTRUCTION PRODUCTS

EVERY MACHINE IS THOROUGHLY TESTED BEFORE LEAVING THE FACTORY. EACH MACHINE IS SUPPLIED WITH A COPY OF THIS MANUAL. OPERATORS OF THIS EQUIPMENT MUST READ AND BE FAMILIAR WITH THE SAFETY WARNINGS. FAILURE TO OBEY WARNINGS MAY RESULT IN INJURY OR DEATH. FOLLOW INSTRUCTIONS STRICTLY TO ENSURE LONG SERVICE IN NORMAL OPERATION.

CONTENTS

SYMBOL DEFINITIONS
DEFINICIÓN DE SIMBOLOS

- Please read the instructions for use prior to operating the machine for the first time.
- Antes de la puesta en marcha, lea detenidamente las instrucciones y familiaricese con la máquina.

- Mandatory
- Obligatorio

- Indication
- Indicación

- Prohibition
- Prohibición

- Warning Triangle
- Triángwulo De Advertencia

- Wear Eye Protection
- Usar Gafas De Protección

- Wear Head Protection
- Usar Casco De Protección

- Wear Breathing Protection
- Usar Máscara De Protección

- The Use Of Ear Protection Is Mandatory
- Es Obligatorio El Uso De Protección Auditiva

- Wear a Hard Hat
- Usar Casco Duro

- Wear Safety Shoes
- Usar Zapatos De Seguridad

- Wear Appropriate Clothing
- Usar Ropa Adecuada

- Remove The Blade Prior To Hoisting, Loading, Unloading And Transporting The Machine On Jobsite.
- Desmontar El Disco Antes De Desplazar, Cargar, Descargar O Transportar La Máquina En La Obra.

- Motor Off
- Parar El Motor

- Use In Well Ventilated Area
- Usar En Una Área Bien Ventilada

- Do Not Use In Flammable Areas
- No Usar In Áreas Inflamables

- Machinery Hazard, Keep Hands And Feet Clear.
- Máquina Peligrosa - Mantenga Manos Y Pies Alejados De La Máquina

- Danger, Poison Exhaust Gas
- Peligro, Gases De Escape Tóxicos

- No Non-working Personnel In Area
- Prohibido Para Personas Ajenas A La Obra

- No Smoking
- No Fumar

- Do Not Operate Without All Guards In Place
- No Operar Sin Todas Las Protecciones In Su Sitio

- Always Keep the Blade Guards In Place
- Mantenga Siempre Las Protecciones De La Hoja En Su Sitio

- Water Supply On
- Suministro De Agua Conectado

- Water Supply Off
- Suministro De Agua Desconectado

- Water Supply
- Suministro De Agua

- Keep Work Area Clean/Well Lit, Remove All Safety Hazards
- Mantenga Limpio El Sitio De Trabajo/Bien Iluminado, Elimine Todos Los Riesgos De Seguridad

- Dangerously High Noise Level
- Nivel De Ruido Elevadamente Peligroso

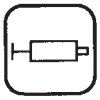
- Pay Extreme Attention To The Care And Protection Of The Machine Before Starting Up
- Ponga Extrema Atención Al Cuidado Y Preparación De La Máquina Antes De Ponerla En Marcha

- Remove Tools From Area and Machine
- Elimine Las Herramientas Del Área Y De La Máquina

- Oil Pressure
- Presión De Aceite

- Oil Required
- Necesita Aceite

- Dipstick, Maintain Proper Oil Level
- Varilla De Control, Mantenga El Nivel De Aceite Correcto



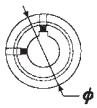
- Lubrication Point
- Punto De Lubrication

- Unleaded Fuel Only
- Solamente Combustible Sin Plomo

- Repairs Are To Be Done By An Authorized Dealer Only
- Las Reparaciones Deben Ser Efectuadas Únicamente Por Un Distribuidor Autorizado

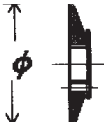
- Diamond Blade
- Sierra Diamantada

- Blade Diameter
- Diámetro De La Hoja



- Pulley Diameter
- Diámetro De La Correa

- Number of Revolutions Per Minute, Rotational Speed
- N° De Revoluciones Por Minuto, Velocidad De Rotación



- Blade Flange Diameter
- Diámetro De La Brida De La Hoja

- Machine Mass (lbs)
- Masa De La Máquina (lbs)

- Engine
- Motor

- Engine Speed Revolutions/Minute
- Velocidad Del Motor En Revoluciones Por Minuto (RPM)

- Engine Start
- Arranque Del Motor

- Electric Motor
- Motor Electrica

⚠ WARNING

HEARING HAZARD

DURING NORMAL USE OF THIS MACHINE, OPERATOR MAY BE EXPOSED TO A NOISE LEVEL EQUAL OR SUPERIOR TO **85 dB (A)**

⚠ ATENCION

RIESGO DE DAÑO AUDITIVO

EN CONDICIONES NORMALES DE UTILIZACIÓN, EL OPERADOR DE ESTA MÁQUINA PUEDE ESTAR EXPUESTO A UN NIVEL DE RUIDO IGUAL O SUPERIOR A **85 dB (A)**

⚠ DUST WARNING

Cutting, especially when DRY cutting, generates dust that comes from the material being cut, which frequently contains silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Exposure to excessive amount of such dust can cause:

- Respiratory diseases (affecting your ability to breath), including chronic bronchitis, silicosis and pulmonary fibrosis from exposure to silica. These diseases may be fatal;
- Skin irritation and rash; and
- Cancer according to NTP* and IARC*
  * National Toxicology Program, International Agency for Research on Cancer

Take precautionary steps

- Avoid inhalation of and skin contact with dust, mist and fumes;
- Wet cut when feasible, to minimize dust;
- Wear and ensure that all bystanders wear appropriate respiratory protection such as dust masks designed to filter out microscopic particles. (See OSHA 29 CFR Part 1910.1200)

California Prop 65 Warning:

Use of this product can cause exposure to materials known to the State of California to cause cancer and/or birth defects or other reproductive harm.

DECAL DESCRIPTIONS AND LOCATIONS
DESCRIPCIÓN DE CALCAMONIAS Y UBICACIONES

Husqvarna TARGET PORTASAW TS 355

P/N 542 19 07-28
Location: Water Pan Sides, (Qty. 2) TS 355 Only

Husqvarna TARGET PORTASAW TS 355 G

P/N 542 19 07-27
Location: Water Pan Sides, (Qty. 2) TS 355 G Only

P/N 542 17 75-88
Location: Blade Guard (Qty. 1) All Models

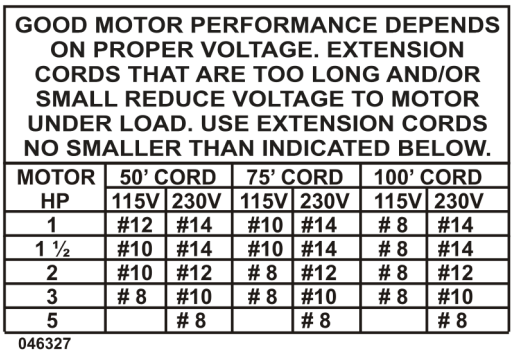
Husqvarna

542 19 07-33
Location: Front of Pan, Belt Guard, All Models (Qty. 2)

P/N 169065
Location: Muffler
(Qty. 1) Gas Models

P/N 542 18 92-47*
Location: Motor
(Qty. 1) Electric Models

P/N 542 04 63-26
Location: Motor
(Qty. 1) Electric Models



GOOD MOTOR PERFORMANCE DEPENDS ON PROPER VOLTAGE. EXTENSION CORDS THAT ARE TOO LONG AND/OR SMALL REDUCE VOLTAGE TO MOTOR UNDER LOAD. USE EXTENSION CORDS NO SMALLER THAN INDICATED BELOW.

MOTOR HP	50' CORD		75' CORD		100' CORD	
	115V	230V	115V	230V	115V	230V
1	#12	#14	#10	#14	# 8	#14
1 ½	#10	#14	#10	#14	# 8	#14
2	#10	#12	# 8	#12	# 8	#12
3	# 8	#10	# 8	#10	# 8	#10
5		# 8		# 8		# 8

046327

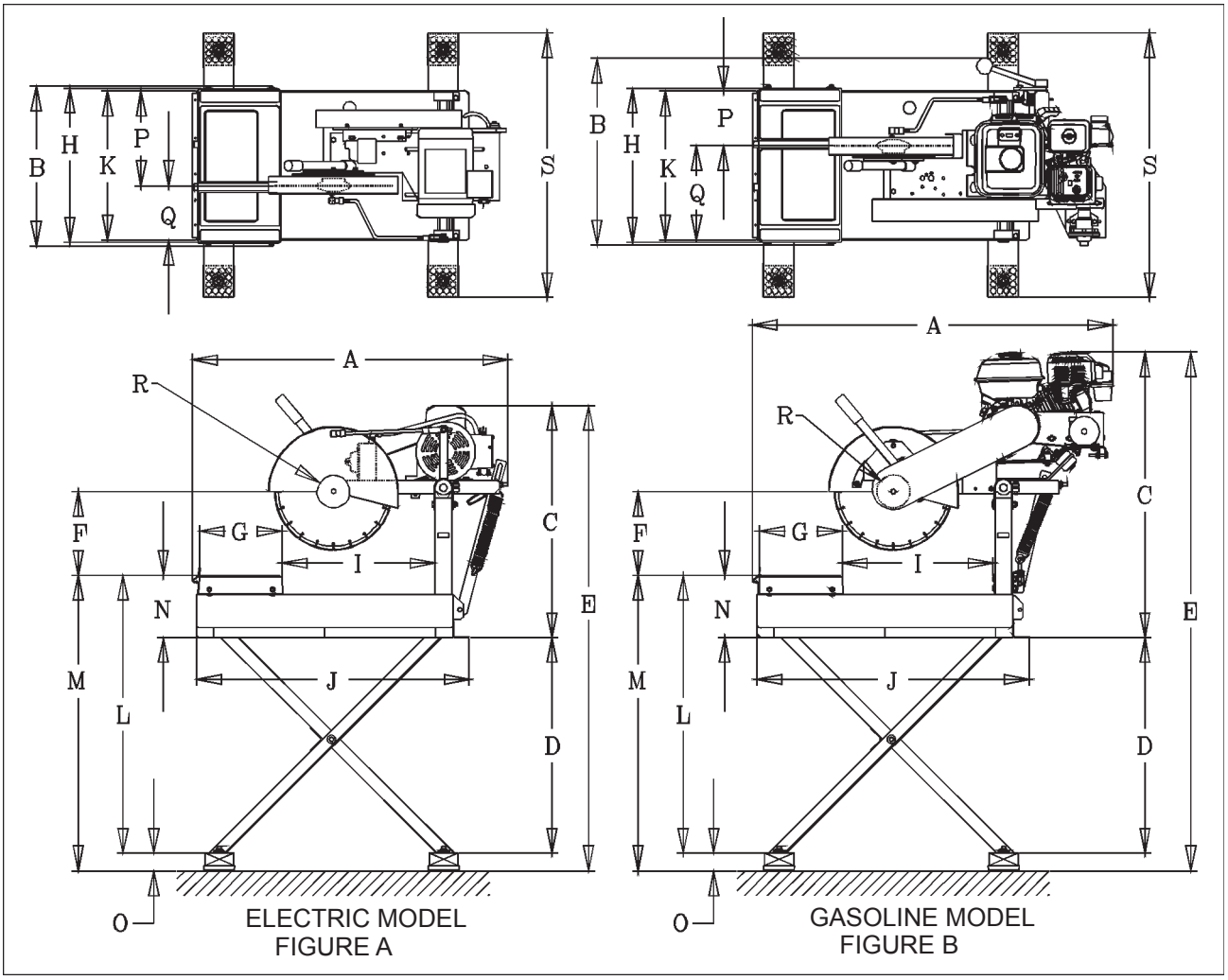
P/N 542 04 63-27*
Location: Motor
(Qty. 1) Electric Models

Specifications				
MODEL NO.	**TS 355**	**TS 355**	**TS 355**	**TS 355 G**
TYPE	1-1/2 HP-115V Electric	2 HP Electric	3 HP Electric	5.5 HP Gasoline
Blade Guard Capacity	10 - 14" (250 - 350 mm)	10 - 14" (250 - 350 mm)	10 - 14" (250 - 350 mm)	14" Only (350 mm)
Blade Shaft RPM:	2509	2509	2509	2950
Max. Depth of Cut:	5.0" (127 mm)			
Blade Arbor Size:	1.00" (25.4 mm)			
Blade Shaft:	Sealed Ball Bearings			
Blade Shaft Drive:	Two 4L370 V-Belts	Two 4L370 V-Belts	Two 4L370 V-Belts	3VX V-Belt (2 Band)
Blade Guard:	One Piece Steel, Sta-LevelTM Design, 14" (350 mm) Maximum Capacity			
Blade Coolant:	Water			
Water Pan:	3.86 x 17.73 x 30.73 Inch (98 x 450 x 780.5 mm), 6.75 Gallon (25 Liter) Capacity (At 3" Depth)			
Conveyor Cart:	Cast Aluminum w/ Vulcanized Rubber Top, Adjustable Measuring Rule, 45° / 90° Cutting Guide			
Water Pump: **Electric Models:** **Gasoline Model:**	300 Gallons / Hour, Submersible, Totally Epoxy Sealed, Thermal Over Load Protected 8 GPM, Belt Drive, Solid Bronze, With Strainer & Built-In Priming Pump with Check Valve			
Frame:	Heavy duty, Jig Welded “X” Braced Steel, Open Throat Design For Unlimited Ripping			
Weight Pounds (kg):				
Saw Crated:	171 (77.7)	182 (82.7)	192 (87.3)	209 (95.0)
Saw Uncrated:	160 (72.7)	169 (76.8)	181 (82.3)	198 (90.0)
Saw Operating (Water in Pan):	221 (100.5)	230 (104.5)	242 (110.0)	259 (117.7)
Folding Stand (Unboxed):	24 (10.9)			
Foot Pedal Kit (Boxed):	14 (6.4)			
Electric Cord:	0.40 (.18)	N / A	N / A	N / A

Power Source				
MODEL NO.	TS 355-15	TS 355-2	TS 355-3	TS 355 G
TYPE:	Electric	Electric	Electric	Gasoline
Engine / Motor:	Baldor	Baldor	Baldor	Honda
Horsepower (kw):	1-1/2 (1.1)	2 (1.5)	3 (2.2)	5.5 (4.0)
RPM:	3450	3450	3450	3500
Specifications:	T.E.F.C.	T.E.F.C.	T.E.F.C.	———
Voltage:	115 / 208-230	115 / 208-230	208-230	———
Cycle (Hz) / Current / Phase:	60 / A.C. / 1	60 * / A.C. / 1	60 * / A.C. / 1 **	———
Displacement:	———	———	———	9.9 cu. Inch (163 cc)
Bore:	———	———	———	2.7 inch (68 mm)
Stroke:	———	———	———	1.8 inch (45 mm)
Cylinders / Cycle:	———	———	———	1 / 4
Fuel Capacity:	———	———	———	.95 Gallon (3.6 liter)
Oil Capacity:	———	———	———	.63 Quart (.6 liter)
Air Filter:	———	———	———	Dry Type Dual Element with Precleaner
Starter:	Capacitor	Capacitor	Capacitor	Recoil
Coolant:	Air			

* 50 cycle motors available upon special request: 2 HP model is 240 Volt, 3 HP model is 220-380 Volt
** 3 phase motor available upon special request - specify 230 or 460 volts for factory wiring.
Note: For item numbers on motors / engine see parts list section of this document. Specifications are subject to change without notice.

Saw Dimensions



ELECTRIC MODEL
FIGURE A

GASOLINE MODEL
FIGURE B

SAW DIMENSIONS

ELECTRIC MODELS (Figure A)			GASOLINE MODEL (Figure B)		
Item	**Length (cm)**	**Description**	**Item**	**Length (cm)**	**Description**
A	38.2" (97.0)	Saw Length (Maximum)	**A**	43.6" (110.7)	Saw Length (Maximum)
B	19.4" (49.3)	Saw Width (Maximum)	**B**	22.7" (57.7)	Saw Width (Maximum)
C	28.2" (716.3)	Saw Height (Minimum)	**C**	34.8" (88.4)	Saw Height (Minimum)
D	26.1" (66.3)	Stand Height (Optional)	**D**	26.1" (66.3)	Stand Height (Optional)
E	56.4" (143.3)	Saw Height (Maximum)	**E**	63.0" (160.0)	Saw Height (Maximum)
F	3.8 - 15.1" (9.6 - 38.4)	Blade Shaft Height (Minimum - Maximum)	**F**	6.4 - 15.0" (16.2 - 38.2)	Blade Shaft Height (Minimum - Maximum)
G	10.0" (25.4)	Cart Length	**G**	10.0" (25.4)	Cart Length
H	18.7" (47.5)	Cart Width	**H**	18.3" (47.5)	Cart Width
I	18.5" (47.0)	Cart Travel	**I**	18.3" (46.5)	Cart Travel
J	33.0" (76.2)	Saw Base Length	**J**	33.0" (76.2)	Saw Base Length
K	18.0" (45.7)	Pan Width	**K**	18.0" (45.7)	Pan Width
L	33.7" (85.6)	Stand To Cart Top	**L**	33.7" (85.6)	Stand To Cart Top
M	35.8" (90.9)	Skid To Cart Top	**M**	35.8" (90.9)	Skid To Cart Top
N	7.6" (19.3)	Base To Cart Top	**N**	7.6" (19.3)	Base To Cart Top
O	2.1" (5.3)	Skid Height (Optional)	**O**	2.1" (5.3)	Skid Height (Optional)
P	11.5" (29.2)	Cart - LH Side	**P**	6.5" (16.5)	Cart - LH Side
Q	6.5" (16.5)	Cart - RH Side	**Q**	11.5" (29.2)	Cart - RH Side
R	4.0" (10.16)	Flange Diameter	**R**	4.0" (10.16)	Flange Diameter
S	32.0" (81.3)	Skid Width (Optional)	**S**	32.0" (81.3)	Skid Width (Optional)

SAFETY FIRST!

WARNINGS
DO's AND DO NOT's

WARNING: FAILURE TO COMPLY WITH THESE WARNINGS AND OPERATING INSTRUCTIONS COULD RESULT IN DEATH OR SERIOUS BODILY INJURY.

DO

- **DO** read this entire operator's manual before operating this machine. Understand all warnings, instructions, and controls.
- **DO** keep all guards in place and in good condition.
- **DO** wear safety approved hearing, eye, head and respiratory protection.
- **DO** read and understand all warnings and instructions on the machine.
- **DO** read and understand the symbol definitions contained in this manual.
- **DO** keep all parts of your body away from the blade and all other moving parts.
- **DO** know how to stop the machine quickly in case of emergency.
- **DO** shut off the engine and allow it to cool before refueling.
- **DO** inspect the blade, flanges and shafts for damage before installing the blade.
- **DO** use only reinforced abrasive blades or steel center diamond blades manufactured for use on masonry saws.
- **DO** use only blades marked with a maximum operating speed greater than the blade shaft speed. Verify speed by checking blade shaft rpm and pulley diameters and blade flange diameters.
- **DO** verify saw drive configuration by checking blade shaft RPM, pulley diameters, and blade flange diameter.
- **DO** read all safety materials and instructions that accompany any blade used with this machine.
- **DO** inspect each blade carefully before using it. If there are any signs of damage or unusual wear, **DO NOT USE THE BLADE**.
- **DO** mount the blade solidly and firmly. Wrench tighten the arbor nut.
- **DO** make sure the blade and flanges are clean and free of dirt and debris before mounting the blade on the saw.
- **DO** use dry cutting diamond blades with a 1" (diameter arbor only). Never use damaged or worn blade flanges.
- **DO** use the correct blade for the type of work being done. Check with blade manufacturer if you do not know if blade is correct.
- **DO** operate this machine only in well ventilated areas.
- **DO** instruct bystanders on where to stand while the machine is in operation.
- **DO** establish a training program for all operators of this machine.
- **DO** clear the work area of unnecessary people. Never allow anyone to stand in front of or behind the blade while the engine is running.
- **DO** make sure the blade is not contacting anything before starting the engine.
- **DO** always tie down the machine when transporting.
- **DO** use caution and follow instructions when setting up or transporting the machine.
- **DO** have all service performed by competent service personnel.
- **DO** verify the blade arbor hole matches the machine spindle before mounting the blade.
- **DO** make sure the gas caps of the machine and the fuel can are properly tightened before starting the engine. Move fuel can at least 10 feet from machine after fueling.
- **DO** clean the machine after each day's use.
- **DO** remove adjusting keys and wrenches from tool before turning it on.
- **DO** keep the handles dry, clean and free of oil and dirt.
- **DO** carefully maintain and clean for better and safer performance. Follow instructions for changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility.
- **DO** use the proper blade flange size for each blade size. Never use damaged or worn blade flanges.
- **DO** use caution when handling fuel.
- **DO** only cut in a straight line.
- **DO** **make sure electric powered machines are plugged into a properly grounded circuit.**
- **DO** **make sure power cords are the proper size and in good condition.**
- **DO** **follow all electrical codes in your area.**
- **DO** **use correct voltage and proper extension cords. Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord away from heat, oil and sharp edges.**
- **DO** **disconnect tools from power source when not in use, before servicing and, when changing accessories.**
- **DO** **carefully maintain and clean for better and safer performance. Follow instructions for changing accessories. Inspect tool cards periodically and, if damaged, have repaired by authorized service facility.**
- **DO** always give a copy of this manual to the equipment user. For extra copies, call TOLL FREE 1-800-288-5040.

SAFETY FIRST!

WARNINGS
DO's AND DO NOT's

WARNING: FAILURE TO COMPLY WITH THESE WARNINGS AND OPERATING INSTRUCTIONS COULD RESULT IN DEATH OR SERIOUS BODILY INJURY.

DO NOT

DO NOT operate this machine unless you have read and understood this operator's manual.
DO NOT operate this machine without the blade guard, or other protective guards in place.
DO NOT leave this machine unattended while the engine is running.
DO NOT work on this machine while the engine is running.
DO NOT operate this machine when you are tired or fatigued.
DO NOT use a wet blade without adequate water supply to the blade.
DO NOT exceed maximum blade speed shown for each blade size. Excessive speed could result in blade breakage.
DO NOT operate the machine if you are uncertain of how to run the machine.
DO NOT use damaged equipment or blades.
DO NOT touch or try to stop a moving blade with your hand.
DO NOT cock, jam, wedge or twist the blade in a cut.
DO NOT transport a cutting machine with the blade mounted on the machine.
DO NOT use a blade that has been dropped or damaged.
DO NOT use carbide tipped blades.
DO NOT lay power cords in or near water.
DO NOT replace the motor with any motor that does not have a special grounding connection.
DO NOT use segmented diamond blades without water unless specifically designed for dry cutting.
DO NOT touch a dry cutting diamond blade immediately after use. These blades require several minutes to cool after each cut.
DO NOT use damaged or worn blade flanges.
DO NOT allow other persons to be near the machine when starting, refueling, or when the machine is in operation.
DO NOT operate this machine in an enclosed area unless it is properly vented.
DO NOT operate this machine in the vicinity of anything that is flammable. Sparks could cause a fire or an explosion.
DO NOT allow blade exposure from the guard to be more than 180 degrees.
DO NOT operate this machine with the belt guard or blade guard removed.
DO NOT operate this machine unless you are specifically trained to do so.
DO NOT use a blade that has been over heated (Core has a bluish color).
DO NOT jam material into the blade.
DO NOT grind on the side of the blade.
DO NOT start cutting with a saw until you have a clear work area and secure footing.
DO NOT operate this machine while under the influence of drugs or alcohol.

This saw was designed for certain applications only. DO NOT modify this saw or use for any application other than for which is it was designed. If you have any questions relative to its application, DO NOT use the saw until you have written Diamant Boart, Inc. and we have advised you.

Husqvarna Construction Products, North America
17400 West 119th Street
Olathe, Kansas 66061
In USA 1-800-288-5040

FIGURES

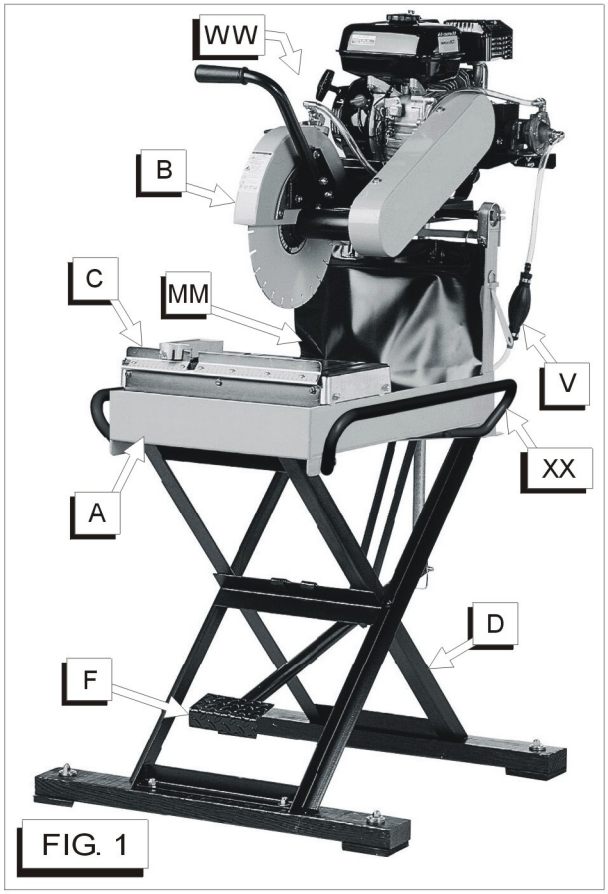


FIG. 1

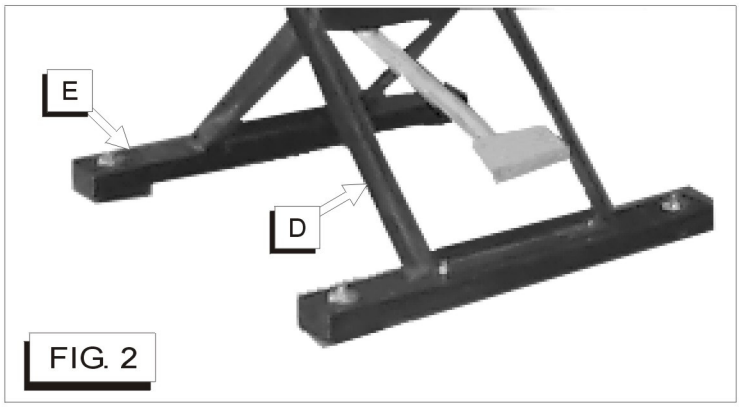


FIG. 2

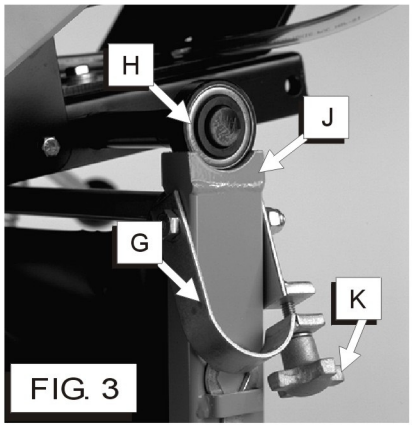


FIG. 3

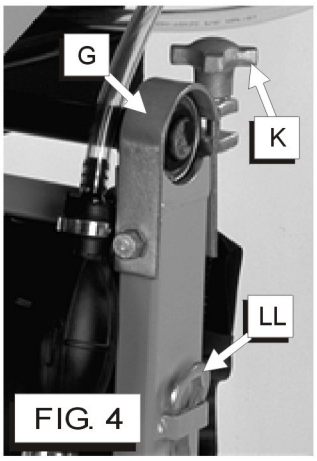


FIG. 4

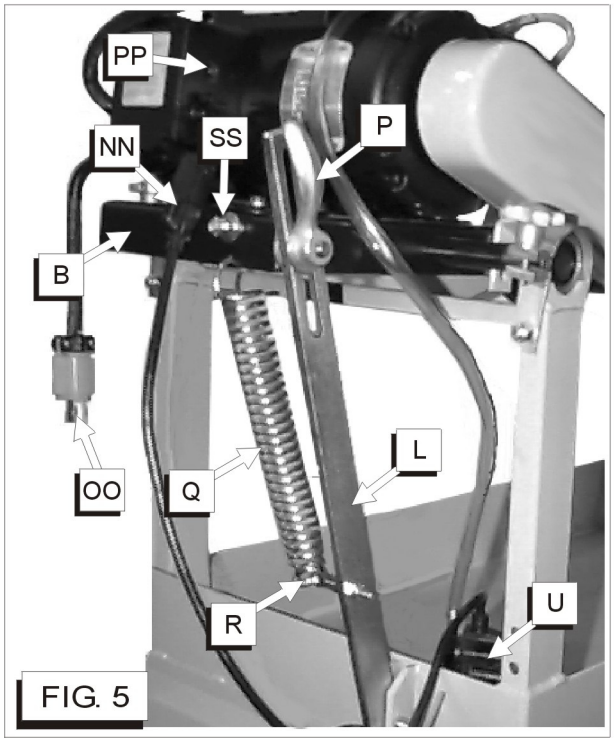


FIG. 5

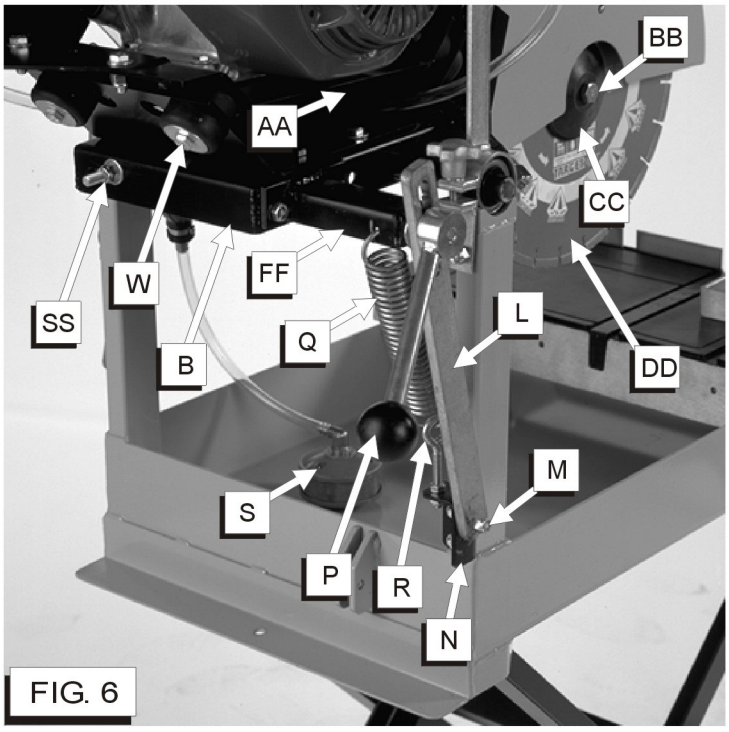


FIG. 6

FIGURES / FIGURAS

All_figs.cdr

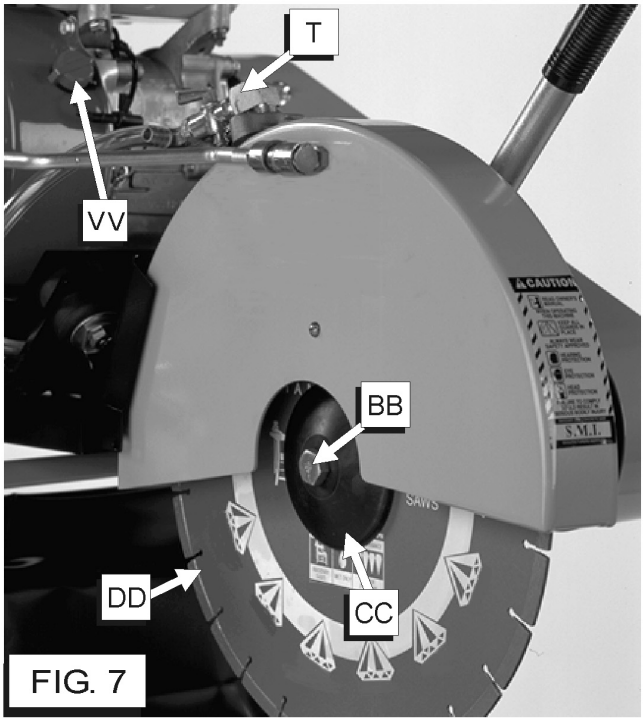


FIG. 7

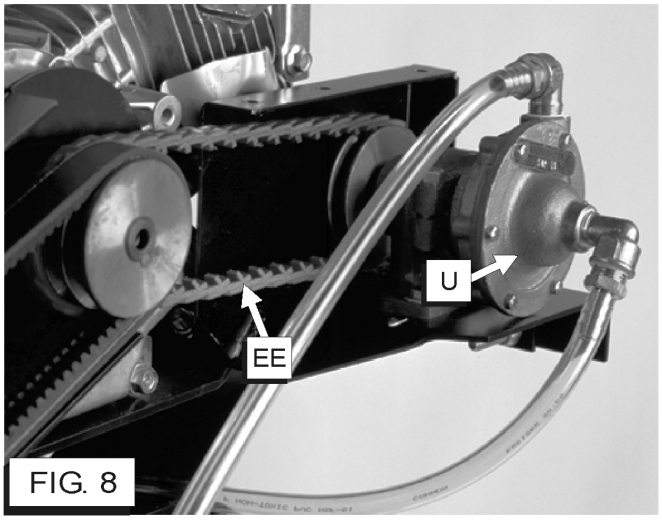


FIG. 8

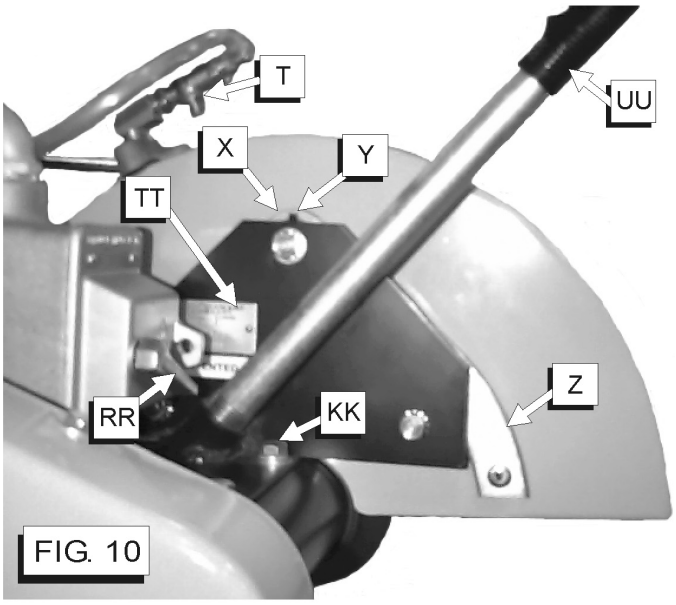


FIG. 10

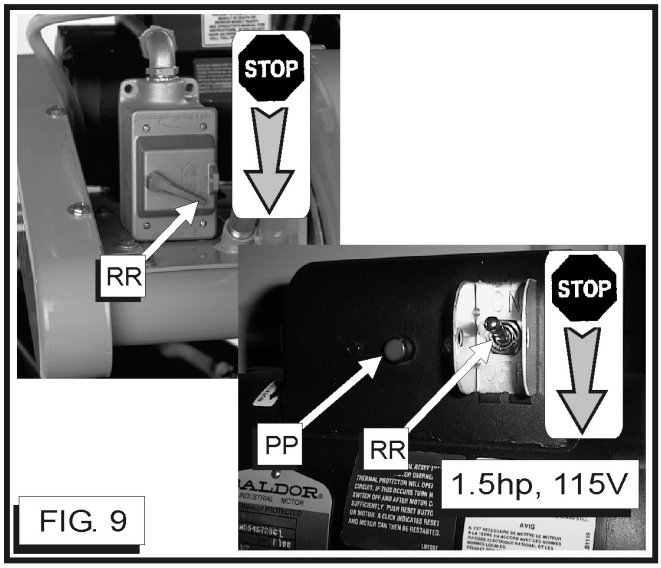


FIG. 9

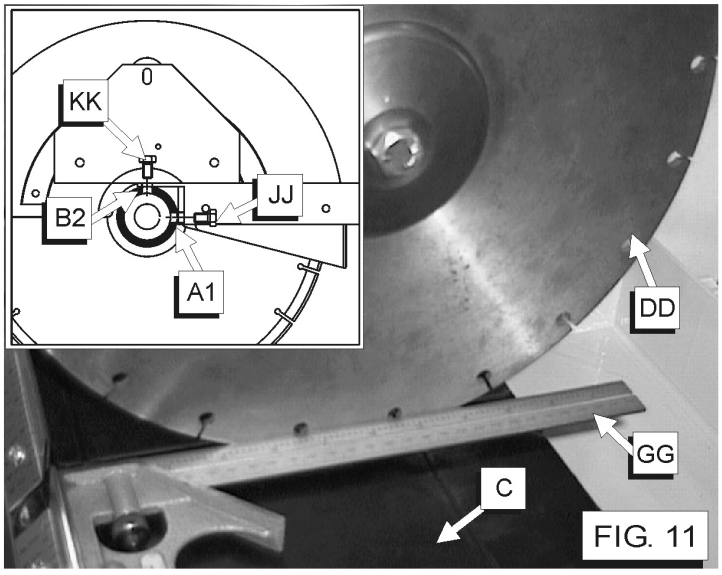


FIG. 11

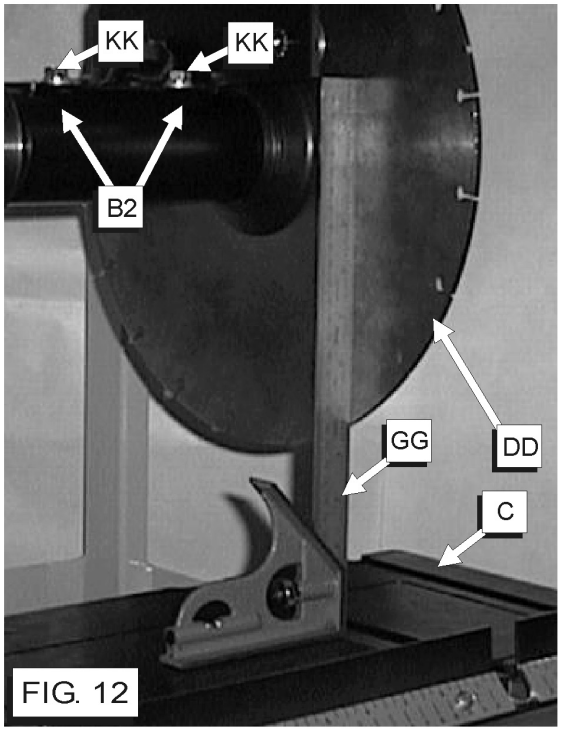


FIG. 12

FIGURES

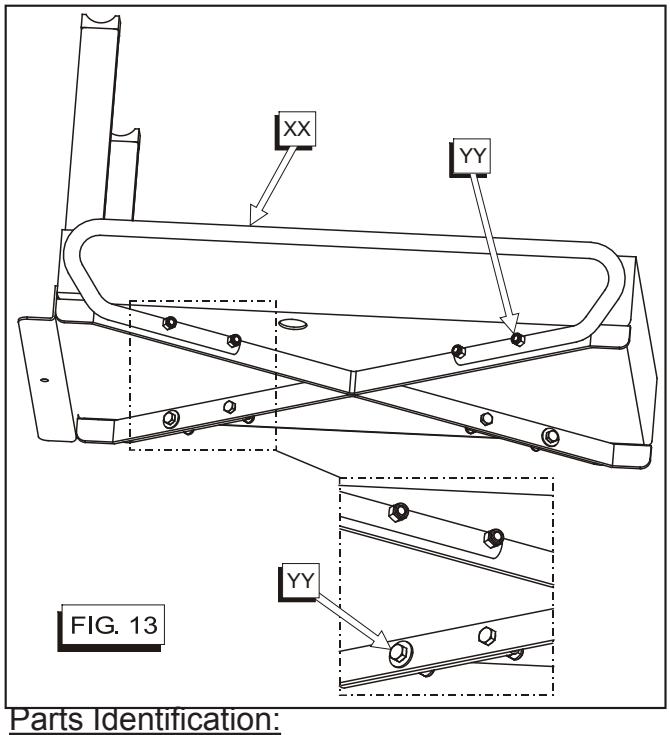


FIG. 13

Parts Identification:

A. Pan Weldment
B. Head Platform Assembly
C. Conveyor Cart Assembly
D. Folding Stand (Optional)
E. Skid Kit (Optional)
F. Foot Pedal Kit (Optional)
G. Bearing Clamps
H. Bearings
I. ————————————
J. Pivot Blocks
K. Knobs (or Capscrews)
L. Counterbalance Arm
M. Capscrew
N. Lower Bracket
O. ————————————
P. Lock Handle
Q. Spring
R. Eyebolt
S. Strainer (Gasoline Model)
T. Water Valve
U. Water Pump
V. Primer Bulb (Gasoline Model)
W. Isolator (Gasoline Model)
X. Wheel (Blade Guard Pivot)
Y. Setscrew (Blade Guard Pivot)
Z. Track Bar
AA. Engine Base
BB. Capscrew (Blade Shaft)
CC. Outer Flange
DD. Diamond Blade
EE. Water Pump Belt (Gasoline Model)
FF. Upper Spring Support
GG. Square
HH. Shims (Not Shown In Figures)
II. ————————————
JJ. Capscrews (Blade Shaft Housing- Rear)
KK. Capscrews (Blade Shaft Housing- Top)
LL. Wrench
MM. Splash Curtain
NN. Electrical Cord (Water Pump)
OO. Electrical Plug (Electrical Models)
PP. Reset Button (Electric Models)
QQ. ————————————
RR. Power Switch (Electric Models)
SS. Belt Tensioning Bolt
TT. Serial Number Plate
UU. Hand Grip
VV. Engine Stop Switch (Gasoline Model)
WW. Oil Drain Hose
XX. Lifting Handles
YY. Handle Mounting Hardware

PRE OPERATION CHECKLIST

Before leaving our factory, every machine is thoroughly tested. Follow our instructions strictly and your machine will give you long service in normal operating conditions.

Before starting up the machine, make sure you read this entire Operation's Manual and are familiar with the operation of the machine.

WITH MACHINE COLD AND SETTING LEVEL:

1. Gasoline Models: Check engine oil. Fill to the full mark on dip stick with 10W30 oil, class MS, SD, SE or better.
2. Electric Models: Verify all electrical connections are intact.

1 - 2 HOUR OPERATION CHECK LIST:

ALWAYS place the machine on a level surface with the engine/motor "OFF", the ignition switch set in the "OFF" position and disconnected from the power source before performing any maintenance. Let the machine cool down!!

1. Check the engine air cleaner hose clamps. Tighten as required.
2. Tension the blade drive V-belts. DO NOT over tension!!

SCHEDULED MAINTENANCE QUICK REFERENCE:

Before performing any maintenance, ALWAYS place the machine on a level surface with the engine/motor "OFF" and the ignition switch set in the "OFF" position.

SERVICE DAILY:

1. Check engine oil level.
2. Check blade guard for damage.
3. Check hoses and clamps for damage or looseness. Tighten or replace as necessary.
4. Check air cleaner. Clean or replace as required.
5. Clean the reservoir pan frequently.
6. At the end of each day, flush clean water through the water pump and hoses

SERVICE EVERY 50 HOURS:

1. Replace engine oil and filter.
2. Clean engine air fins.
3. Check blade drive V-belt tension. DO NOT over tension!!!
4. Clean engine fuel bowl.

MANDATORY

INDICATION
INFORMATION
INSTRUCTION

WARNING

PROHIBITION

These signs will give advice for your safety

Before leaving our factory every machine is thoroughly tested.

Follow our instructions strictly and your machine will give you long service in normal operating conditions.

1 Features

Use: Wet or Dry sawing of masonry and refractory materials such as brick and block. Not for use with material shapes that are unstable on a flat surface, such as rocks, natural stone, molded shapes, etc.

Tools: Diamond blades — dry or water cooled, Ø: 10" (250 mm), 12" (300 mm), and 14" (350 mm), with Arbor Ø 1" (25.4 mm). *(For information contact your Dealer)*

Depth of Cut (Maximum):
5.00" (127 mm) with Ø 14" (350 mm) blade

Maximum Material Size:
8" x 8" x 16" (20.3 x 20.3 x 40.6 cm) block

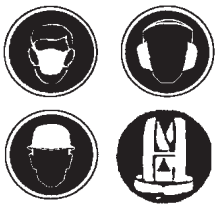
Block must be rotated 180 degrees to complete cutting through 8" (20.3 cm) depth.

Nominal Weight: See “Specifications”
Operating Weight: See “Specifications”
Dimensions: See “Saw Dimensions”
Blade Guard Capacity:
Electric Models: 10" (250 mm), 12" (300 mm) & 14" (350 mm) Ø Blades.

Gas Model: 14" (350 mm) Ø Only. Smaller Blade Diameter not recommended because blade will not cut through material. Head tilt is limited because the maximum engine inclination angle is 20 degrees.

Before starting up the machine, make sure you read this entire manual and are familiar with the operation of this machine.

The working area must be completely clear, well lit and all safety hazards removed.



The operator must wear protective clothing appropriate to the work he is doing.

Any persons not involved in the work should leave the area.

Use only blades marked with a maximum operating speed greater than the blade shaft speed.-

2 Assembly

All Models: (FIGS. 1, 2, 3, 4 and 13)

- When unpacked, this unit consists of four (4) major parts: Pan Weldment (A), Head Platform Assembly (B) Cart Assembly (C) and Lifting Handles (XX) (FIG. 1).
- If this unit is to use the optional Folding Stand (D) (See Fig. 1) and Skid Kit (E) (See FIG. 2) assemble these items first. Follow the instructions provided with these options.
- Set the Pan Weldment (A) on a table or on the optional Folding Stand / Skid Kit (D / E) as shown in FIG. 1. It is very important that the Pan Weldment (A) be assembled on the Folding Stand (D) as shown in Fig. 1, or the optional Foot Pedal Kit (F) CAN NOT be assembled onto the unit.
- Attach the Lifting Handles (XX) as shown in FIG. 13 using the Mounting Hardware (YY) that is provided. Mount the hardware with the nuts toward the outside of the frame and the capscrews toward the inside of the frame. This will simplify mounting the saw on the Optional Stand. Four washers are to be assembled over the "slots" in the frame. Four of the eight washers are not required, but can be used if desired over the remaining holes. **Tighten the hardware securely.**

WARNING: Make sure that Handle Mounting Hardware (YY) is securely tightened before transport of the frame or re-assembly of the complete unit. Failure to do so could result in serious injury to the operator or other persons in the work area!

- Remove the Cart Assembly (C) from its shipping carton. Set the Cart Assembly (C) onto the Pan Weldment (A) so that the wheels of the Cart Assembly (C) roll along the sides of the Pan Weldment (A) (FIG. 1).
- Make sure that the left and right Bearing Clamps (G) on the Pan Weldment (A) are pivoted into their lowered position (FIG. 3). Carefully pick up the Head Platform Assembly (B) and mount it to the Pan Weldment (A) such that the Bearings (H) (on Head Platform) are resting in the Pivot Blocks (J) (on Pan Weldment) and that the blade shaft end of the Head Platform (B) is resting on the Cart Assembly (C) (FIG. 3).

- Pivot the left and right Bearing Clamps (G) into their upper position, and tighten the Knobs (K) [or Capscrews (K) depending on the date of manufacture] until the Head Platform (B) is secured to Pan Weldment (A) (FIG. 4).
- **Note:** If the unit uses Capscrews (K) to hold the Bearing Clamps (G) in place, tighten them with the 1/2" end of the Wrench (LL) provided with the saw (FIG. 4).

Electric Models (FIG. 5):

- Install the Counterbalance Arm (L): Place the slotted end of the Counterbalance Arm onto the stud located on the Left Hand Rear Corner of the Head Platform Assembly (B). Be sure to put 1/2" Washers on both side of the ARM before installation. Note that the lower hole of the ARM is positioned toward the Pan Weldment (A). A capscrew holds the ARM to the brackets on the back of the Pan Weldment through this lower hole.

- Install the Lock Handle (P) onto the stud on the Left Hand corner of the Head Platform Assembly (B). Tighten the Lock Handle (P) so that the Head Platform Assembly (B) is securely locked with the blade shaft in the maximum upper position.
- Make sure that the Eyebolt (R) is securely fastened onto the Arm (L), and note that the eye of the Eyebolt (R) should be aligned with the spring mounting hole in the Head Platform Assembly (B).
- Attach the top of the Spring (Q) through the hole in the rear flange of the Head Platform Assembly (B). With a tool (such as a screwdriver), stretch the lower end of the Spring (Q) so that it is hooked over the Eyebolt (R).
- Install the Water Pump (U) by plugging its Electrical Cord (NN) into the electric motor pigtail cord. Install the hose barb fitting onto the Water Pump (U), then push on the hose. Route hose & electrical cord above the cross-brace of the Pan Weldment (B) to avoid contact with the blade during operation and so that the splash curtain can be easily installed (NOT as shown in Figure 5). Place the Electric Water Pump (U) in the bottom of the Pan Weldment (A). Hook the top of the Splash Curtain (MM) over the head pivot bar, & place the bottom of the Splash Curtain (MM) in the pan (Fig. 1).
- Single phase masonry saw motors are furnished with the correct NEMA configuration Plug (OO) on the motor pigtail. The matching connectors are as follows:

Electric Motor Plugs & Connectors			
Motor	Wired For Voltage	Motor Pigtail Plug (NEMA No.)	Connector Required (NEMA No.)
1-1/2 HP	115 V	L5-20P	L5-20R
2 HP	230 V	L6-15P	L6-15R
3 HP	230 V	L6-30P	L6-30R

To change operation to either 115, or 230 V, the 1-1/2 and 2 HP motors have a voltage change switch mounted on the terminal box. This switch must be changed to either 115, or 230 Volt, to match the voltage supply. Local electrical codes may require changing the plug on the motor to the proper NEMA connector to match the voltage supply.

WARNING: Always make sure the saw is connected to a properly grounded electrical outlet. Failure to comply with this warning could result in serious bodily injury or death!

WARNING: DO NOT operate on low voltage! Low voltage causes loss of power, motor overheating, and possibly motor winding burnout. Voltage should be checked at the motor while it is operating.

Good motor performance depends on proper voltage. Extension cords that are too long and / or too small reduce the voltage to a motor under load. Use extension cords NO SMALLER than the sizes indicated in the chart shown:

EXTENSION CORD SIZE (A.W.G. Minimum)						
Motor HP	50 ft Long		75 ft Long		100 ft Long	
	115 V	230 V	115 V	230 V	115 V	230 V
1-1/2 HP	#10	#14	#10	#14	#10	#14
2 HP	#10	#12	#10	#12	#10	#12
3 HP	---	#10	---	#10	---	#10

Gasoline Model (Fig. 6):

- Assemble the Upper Spring Support (FF) using the two (2) 3/8"-16UNC x 1.00" Long Capscrews and 3/8"-16UNC Locknuts provided.
- Install the Counterbalance Arm (L). Loosely assemble the 3/8" x 1.00" Long Capscrew (M) and 3/8"-16UNC Locknut through the Lower Bracket (N) and the lower end (13/32" diameter hole) of the Counterbalance Arm (L).
- Raise the Head Platform Assembly (B) until the slot in the Arm (L) can be put onto the 1/2" Stud on the Upper Spring Support (FF). Be sure to install the 1/2" flat Washers (Supplied) on both sides of the Arm (L).
- Mount and secure the Lock Handle (P) onto the 1/2" Stud of the Upper Spring Support (FF). Tighten the 3/8" x 1.00" Long Capscrew (M) and 3/8"-16UNC Locknut previously installed at the Lower Bracket (N).
- Install the upper end of the Spring (Q) in the hole in the rear of the Upper Spring Support (FF). Loosen the Lock Handle (P) and pivot the Head Platform Assembly (B) so that the blade shaft is in the upper position, then tighten the Lock Handle (P) securely. Using a tool (such as a screwdriver or pliers) stretch the lower end of the Spring (Q) so that it is secured into the Eyebolt (R) on the Lower Bracket (N).
- Install the hoses to the water pump. They must be connected together as shown in the parts list section of this document. Place the Strainer (S) in the bottom of the Pan Weldment (A) after connecting the hose. Hook the top of the Splash Curtain (MM) over the head pivot bar, & place the bottom of the curtain in the pan (FIG. 1).
- When the unit is fully assembled, but before starting the engine, verify that the engine does NOT exceed 20 degrees angle of inclination in any position of the Head Platform [Use an angle measuring gauge (customer supplied) held flat against the Engine Platform (AA)].

CAUTION: Engine inclination angles greater than 20 degrees could cause severe engine damage and void your engine warranty!

3 Check Before Operating

All Models:

- Take into account the working conditions from a health and safety point of view.
- For start up refer to the engine or motor manual.

Electric Models Only:

- Make sure that the extension cord length is properly sized for the motor used on this saw. See the chart in Section 2 of this document.

WARNING: Make sure the unit is connected to a properly grounded outlet. Failure to comply with this warning could result in serious bodily injury or death!

Gasoline Model Only:

- Fuel: Check the engine operation manual. Unleaded gasoline is recommended.
- Oil: Lock the Head Platform Assembly (B) with the engine in a horizontal position, then, check that the engine oil level is correct. Check the oil level frequently to ensure that the level never falls below that specified in the engine operation manual. If the oil level is low, add SAE 10W30, service classification SF or SG oil (for normal conditions) as recommended in the engine operation manual. **DO NOT overfill engine with oil!**

4 Fitting The Blade (Figure 7)

All Models:

- The blade rotates in a “down-cut” direction. This means that the front of the blade is moving downward while the rear of the blade is moving upward. Mount the Diamond Blade (DD) so that the arrow on the blade rotates in this “down-cut” direction. The Diamond Blade (DD) can be installed / removed by using the 3/4" (19 mm) end of the Wrench (LL) provided (Fig. 4).
- After mounting the blade, it should align over the top of the wooden insert in the Conveyor Cart (C). If this is not true, loosen the setscrews that secure the Bearings (H) to the Head Platform Assembly (B) (Fig. 3). Position the Head Platform Assembly (B) to the left or right until the Diamond Blade (DD) is aligned over the top of the wooden insert, then re-tighten the Bearing (H) setscrews. During operation of this unit, the blade can, and should, pass into the wooden insert, but NOT into the cast aluminum part of the Conveyor Cart (C).

WARNING: Conventional “Wet” diamond blades MUST be used with water. DO NOT use conventional “Wet” diamond blades without water. Using conventional “wet” diamond blades without water can result in injury or death of the operator or persons in the work area!

Warning: Use only Abrasive blades of a reinforced type.

Electric Models Only:

- Mount the Diamond Blade (DD):
  1. Using the Wrench (LL) provided (or one of your own) loosen the Capscrew (BB) by turning it Counter-Clockwise (Electric Models Only).

CAUTION: Note that on Electric Models the Capscrew (BB) has RIGHT HAND THREADS. Installation of the wrong capscrew could damage the blade shaft!

  2. Remove the outer Flange (CC) and make sure the outer Flange (CC), the Inner Flange (Not Shown), and arbor shaft (Not Shown) are clean and not damaged.
  3. Mount the Diamond Blade (DD) to the arbor and install the outer Flange (CC). Install and tighten Capscrew (BB) by turning it in a Clockwise direction (Right Hand Thread). Use the Wrench (LL) to firmly tighten the Capscrew (BB) to the arbor shaft.

<u>Gasoline Model Only</u>:

Always set the Engine Key Switch (VV) to the "OFF" position BEFORE mounting the blade

- Mount the Diamond Blade (DD):
  1. Using the Wrench (LL) provided (or one of your own) loosen the Capscrew (BB) by turning it Clockwise (Gasoline Model Only).

CAUTION: Note that on Gasoline Models the Capscrew (BB) has LEFT HAND THREADS. Installation of the wrong capscrew could damage the blade shaft!

  2. Remove the outer Flange (CC) and make sure the outer Flange (CC), the Inner Flange (Not Shown), and arbor shaft (Not Shown) are clean and not damaged.
  3. Mount the Diamond Blade (DD) to the arbor and install the outer Flange (CC). Install and tighten the Capscrew (BB) by turning it in a Counter-Clockwise direction (Left Hand Thread). Use the Wrench (LL) to firmly tighten the Capscrew (BB) to the arbor shaft.

5 Operating Instructions

<u>All Models</u>: (See Figures 5 & 6)

- Configure the saw for the type of operation required, wet or dry. Note that the saw is factory assembled for wet operation.

Wet Configuration:

- Fill the water reservoir pan [Pan Weldment (A)] with water to within 1 inch (25 mm) of the top. Be sure that the water pump intake Strainer (S) (Figure 6 - Gasoline Model) or Electric Water Pump Intake (U) (Figure 5 - Electric Model) is fully immersed in water at all times. Keep the intake screen of these items clean and free of sludge, slurry, or other foreign material.

Dry Configuration:

- All Models:

WARNING: Conventional "Wet" diamond blades MUST be used with water. DO NOT use conventional "Wet" diamond blades without water. Using conventional "wet" diamond blades without water can result in injury or death of the operator or persons in the work area!

WARNING: When cutting without water use only diamond blades that are intended to be used dry (without water). Conventional "Wet" diamond blades MUST be used with water.

⇒ Hint: To reduce vibration of the saw, the water reservoir pan [Pan Weldment (A)] can be filled with sand. Be sure to remove the Water Pump (U) (Electric Models) or the water pump intake Strainer (S) (Gasoline Model) to avoid contaminating it with dirt or sand.

WARNING: Always use respiratory protection when dry sawing.

Electric Model (Figure 5):

Before cutting dry unplug the Water Pump (U) from the electric motor by disconnecting the Electrical Cord (NN).

Gasoline Model (Figure 8):

Remove the water pump drive V-Belt (EE):

1. Remove the two shields covering the Water Pump belt drive, and the belt guard (Not Shown).
2. Loosen the two (2) bolts that hold the Water Pump in position. Loosen the drawbolt that tensions the water pump belt.
3. Slide the water pump forward and remove the belt from the water pump pulley.
4. Disassemble the water pump V-Belt (EE):
   a. Turn the belt inside out and with one hand squeeze the two strands of the belt together.
   b. Twist one tab 90 degrees so that it is parallel with the slot in the adjacent link.
   c. Pull the end of that link over the tab.
   d. Pull belt end through the other two links.
5. Re-install the Belt Guard and water pump shields. Save the water pump belt so that it can be re-installed if the unit needs to be used for wet cutting.

CAUTION: DO NOT run the Water Pump (U) for extended periods of time without water! The Water Pump could be damaged!

CUTTING OPERATIONS:

- Place material on Conveyor Cart (C) and move conveyor cart to the front of the saw so that the blade DOES NOT contact the material.
- Cutting Methods: This unit allows three methods for the blade to contact the material:
  1. Fixed Head: Position the head to the desired height, then tighten the Lock Handle (P) (Figures 5 & 6). Then the material can be pushed into the blade.
  2. Hold the Hand Grip (UU) and lower the blade into the material (See Fig. 10). The blade will return to the upper position when force is released.
  3. Push the optional Foot Pedal Kit (F) (Fig. 1) with your foot to lower the blade into the material. The blade will return to the upper position when force is released.

Start / Stop (Electric Models): (Figures 9 & 10)

- Open the Water Valve (T) fully, and check the water flow before cutting.
- Start the electric motor by turning the Power Switch (RR) to the "ON" position.
- Cut the material using one of the Cutting Methods described in the above section.

WARNING: Keep hands clear of rotating blade during operation. READ ALL SAFETY WARNINGS before operating this machine.

CAUTION: DO NOT cut into the cast aluminum area of the Conveyor Cart (C). The blade should only cut into the wooden insert area of Conveyor Cart (C)!

STOPPING THE UNIT (Electric Models):

Stop the unit by turning the Power Switch (RR) to the OFF position. (Fig. 9) Wait for all blade movement to stop before removing material from the machine.

Start / Stop (Gasoline Models): (See Figures 1 & 7)

- Open the Water Valve (T) (Fig. 7) and prime the Water Pump (U) using the Primer Bulb (V) (Fig. 1). Squeeze the Primer Bulb until water passes through the blade guard water tubes.
- Start the engine by using the procedure in the engine operation manual.
- Open the engine throttle full open. All sawing is done at full throttle. DO NOT change the engine governor setting — it is factory set for the correct speed. See the "Specifications" section of this document for proper engine & blade shaft RPM.

WARNING: Keep hands clear of rotating blade during operation. READ ALL SAFETY WARNINGS before operating this machine.

- Adjust the water flow with the Water Valve (T), and check the water flow before cutting.
- Cut the material using one of the Cutting Methods described in the above section.

STOPPING THE UNIT (Gasoline Models):

Normal Operation: Stop the unit by following the procedure in the engine operation manual. Wait for all blade movement to stop before removing material from the machine.

Emergency: Turn the Engine Stop Switch (VV) to the OFF position (Fig. 7).

6 Incidents During Operation

- If the engine or motor stops during sawing, check the following:

Electric Model:

1. Interruption to electrical connection: Check all electrical connections.
2. Manual Overload switch has been tripped: Single phase, 60 Hertz motors are equipped with a manual overload Reset Button (PP) (Fig. 5). If the motor stops because of an electrical overload and the overload Reset Button (PP) trips, turn the motor Power Switch (RR) to the OFF position (Fig. 9). Allow the motor to cool for 5 to 10 minutes, then push the Reset Button (PP). A click indicates that the motor is reset and ready for operation. Restart the motor by turning the Power Switch (RR) to the ON position.

Gasoline Model:

1. Out of fuel: Check fuel level.
2. Low Oil Level: This unit is equipped with a shut down system that stops the engine if a low oil level is encountered. Check the engine oil level with the Head Platform Assembly (B) pivoted so that the engine is in a horizontal position.

- If the engine, motor or blade stalls for any reason, raise the blade completely out of the cut, inspect the machine thoroughly before restarting. When lowering the blade into a partial cut, align the blade exactly with the cut to prevent damage to the blade.
- Excessively fast cutting will stall the engine or motor.
- If the blade stops during sawing check that the drive belt tension is adequate.

7 Maintenance

WARNING: Before performing any maintenance, ALWAYS locate the machine on a level surface with the engine / motor OFF, and the start switch in the OFF position, or power source disconnected.

After each use: **CLEAN the machine.**

Check Daily (All Models):

- Clean the reservoir pan [Pan Weldment (A)] to remove sludge and slurry. This concrete slurry is an abrasive cutting compound and will shorten the life of the Water Pump (U) and the Diamond Blade (DD). Clean the reservoir pan twice a day in heavy cutting. Then refill the water reservoir pan with clean water.
- At the end of each day clean the water reservoir pan [Pan Weldment (A)] to remove sludge from the saw. Flush clean water through the Water Pump (U) and hoses.

Gasoline Model:

1. Check engine air cleaner daily! If cutting dry check engine air cleaner every four hours! Clean or replace air cleaner element as recommended by the engine manufacturer.
2. Check engine oil daily. Change engine oil after every 50 hours of operation. See engine operation manual for proper care and maintenance.

Gasoline Model:


- Change Engine Oil: Change engine oil after every 50 hours of operation.
- Engine Oil Type: Under normal operating conditions use SAE 10W30 API service classification SF or SG. See engine operation manual for other recommended oil types.
- Engine Oil Capacity (Honda GX160)
  0.63 U.S. Quarts, 0.6 Liters, 0.63 Imperial Quarts

Engine Oil Change Procedure:

1. Drain the oil while the engine is still warm to assure rapid and complete oil drain. Pivot the Head Platform (B) so that the blade is in the lowered position. Place a bucket in the Pan Weldment (A) under the Oil Drain Hose (WW) to catch the used oil. Remove the oil drain plug on the end of the Oil Drain Hose (WW) [Fig. 1] and wait for all of the used oil to be drained for the engine.

2. Re-install and securely tighten the plug in the Oil Drain Hose (WW).

3. Re-fill engine with the recommended oil type. See the engine operation manual for the oil fill location and proper oil level. Note that the required oil capacity will be larger because of the volume of oil contained in the Oil Drain Hose (WW).

4. Re-install the oil fill cap.

5. Dispose of the used oil in a proper container and in a manner that is compatible with the environment.

When Required:

- "Sta-Level" Blade Guard (Fig. 10): If the blade guard becomes loose and pivots too freely the blade guard rotation can be tightened. Adjust the Top Wheel (X) of the three (3) wheels behind the blade guard:

  1. Loosen the nut holding the Top Wheel (X).
  2. Adjust the Setscrew (Y) to force the Top Wheel (X) down against the Track Bar (Z).
  3. Re-tighten the nut holding the Top Wheel (X) in position.

Blade Alignment (FIGS. 11 & 12):

- The blade shaft arbor on this machine is aligned at the factory so that a new blade will cut "square" with the

material placed on the Cart Assembly (C). If the saw or Head Platform Assembly (B) is dropped or damaged the blade could become mis-aligned so that it no longer cuts “squarely” through the material. If this occurs the blade shaft should be re-aligned so that the saw will produce “square” cuts. If the Blade is severely out of alignment [1/16" (1.5 mm) or more] the Head Platform Assembly (B) may need to be “bent” so that the blade is closer to being aligned. In cases of severe damage the Head Platform Weldment should be replaced. Precise alignment can be achieved by using Shims (HH) of various thickness. See the parts list section of this document for the part number and thickness information about the shims.

⇒ **Note:** Before starting to align the head platform make sure the blade is flat and is NOT bent or damaged!

⇒ **Note:** When aligning the blade against the square be sure to allow for the difference in thickness between the diamond segment and the center core of the blade!

1. Make sure the Conveyor Cart (C) rolls freely along the pan. If the pan is damaged it must be repaired or replaced before the blade can be aligned. Lock the Head Platform Assembly (B) securely in a horizontal position.

2. PARALLEL ALIGNMENT (Figure 11): Supply a Square (GG) and place it on the Conveyor Cart (C) and roll the cart while the Square (GG) rests against the blade. Adjust the Blade Shaft into Parallel Alignment (if required) by putting Shims (HH) between the blade shaft housing and the head platform weldment at location “A1” (Figure 11). Loosen, but do not remove, the Capscrews (JJ) holding the blade shaft in position. Slide a shim, of the proper thickness, upward and position around the thread of one of the capscrews. Tighten the hardware and check the blade alignment. Add more shims if required until the blade shaft has Parallel Alignment.

3. PERPENDICULAR ALIGNMENT (Figure 12): Place the Square (GG) on the Conveyor Cart (C) so that it is against the saw blade and is below the center of the blade shaft. If the Square (GG) does NOT contact the Diamond Blade (DD) along the entire height of the square, the blade shaft must adjusted into Perpendicular Alignment. Adjust the blade shaft by putting Shims (HH) between the blade shaft housing and the head platform weldment at location “B2” (Figure 12). Loosen, but do not remove, the Capscrews (KK) that hold the blade shaft in position. Slide a shim, of the proper thickness, inward and position around the thread of one of the capscrews. Tighten the hardware and check the blade alignment. Add more shims if required until the blade shaft has Perpendicular Alignment.

8 V-Belt Tension

All Models (FIGS. 5 & 6):

- Check V-Belt tension when unit is new and never set belt tension beyond this point.
- The saw is equipped with high tension V-Belts. The belts are properly tensioned at the factory, but after a few hours of operation they will stretch and become loose.
- Tensioning Blade Shaft V-Belts:

  1. Loosen the four (4) capscrews that attach the motor (Electric Models), or the Engine Platform (Gasoline Models).
  2. Tighten the Belt Tensioning Bolt (SS) at the rear of the saw until the belt a tightened to the original factory tension.
  3. Re-tighten the four (4) capscrews that attach the motor (Electric Models), or the Engine Platform (Gasoline Models).

Electric Model:

- See “All Models” from above text.

Gasoline Model:

- Blade Shaft V-Belt Tension (FIG. 6): Excessive belt tension will cause engine misalignment because the engine is mounted on four (4) rubber vibration Isolators (W). Stop tensioning the blade shaft drive V-belt when the center section of the front right hand Isolator (W) begins to separate from its mounting plate. Tensioning the Blade Shaft drive V-Belt beyond this point is not recommended because the front right hand Isolator (W) will not function properly.
- Water Pump V-Belt (EE) Tension (FIG. 8): May need to be tightened after a few hours of operation. Over time this V-Belt may stretch beyond the length of the adjustment slot. If this happens simply remove the V-Belt and take out one or more links (as required) from its length.

9 Important Advice

- Never transport the saw with the cutting head positioned on the frame. The movement can knock the head out of alignment.
- When storing for an extended period of time, use a wire brush to remove hard, caked sludge. Clean and thoroughly lubricate moving parts - so on the next job the saw is ready for operation.
- Drive belts must be tight. When the belts are loose, power is lost. Replace worn belts without delay!
- The blade must fit the arbor snugly - especially diamond blades. Otherwise, pounding will occur and this will seriously damage the blades. If the arbor shoulder is grooved where the diamond blade has bound in the cut as the shaft has continued to turn, the arbor must be replaced, or the blade life will be severely shortened.

- Blade flanges must be full diameter - minimum of 4" (100 mm). Replace worn flanges at once because undersized flanges shorten blade life and cause blade breakage.
- Check the conveyor cart condition on a regular basis. Replace the wheels and the wooden insert frequently.
- Be certain the cutting head is correctly aligned. Blade misalignment because of handling damage, or transporting the saw with the cutting head on the frame can seriously affect blade life.
- Replace noisy bearings immediately! Worn bearings will quickly destroy the blade.
- Flush clean water through the pump and spray the assembly after every job to prolong the pump and blade life.
- Diamond blades may need to be “sharpened”. Blades may be efficiently “dressed” with dressing sticks.

WARNING: Never use fire bricks to “sharpen” or dress diamond blades!

- Abrasive blades must be a reinforced type. Never use an abrasive blade with water. These products can be damaged by operator abuse such as jamming the material into the blade. This can also be hazardous!

10 Accessories

The following accessories and kits are available for this machine. See the Parts List section of this document for the part number. For additional information contact your local dealer or call our Toll free Customer Service Telephone number shown on the front cover:

- Folding Stand Assembly
- Skid Kit
- Foot Pedal Kit
- Wheel Kit, Conveyor Cart (Set of 4)
- Adapter Cord, 115V, 15 Amp Straight To 20 Amp Twist-Lock (For 1-1/2 HP Motor Only)
- Water Pump Repair Kit *
- Conveyor Cart Kit, Complete *
- Ruler Set, Conveyor Cart *

* **Note:** This item has a different part number for the electric and gasoline units.

11 Repairs

We carry out all repairs in the shortest possible time and at the most economical prices. See front cover for our address and telephone numbers.

12 Spare Parts

For a quick supply of spare parts it is essential to quote the data shown on the Serial Number Plate (TT) [FIG. 10] fixed to the machine. Make note of this information below for quick reference:

Reference Information

Model No: _____

Serial No: _____

Date Received: _____

NOTES:

_____

_____

_____

_____

_____

The instructions for use and spare parts found in this document are for information only and are not binding. As part of our product quality improvement policy, we reserve the right to make any and all technical modifications without prior notice.

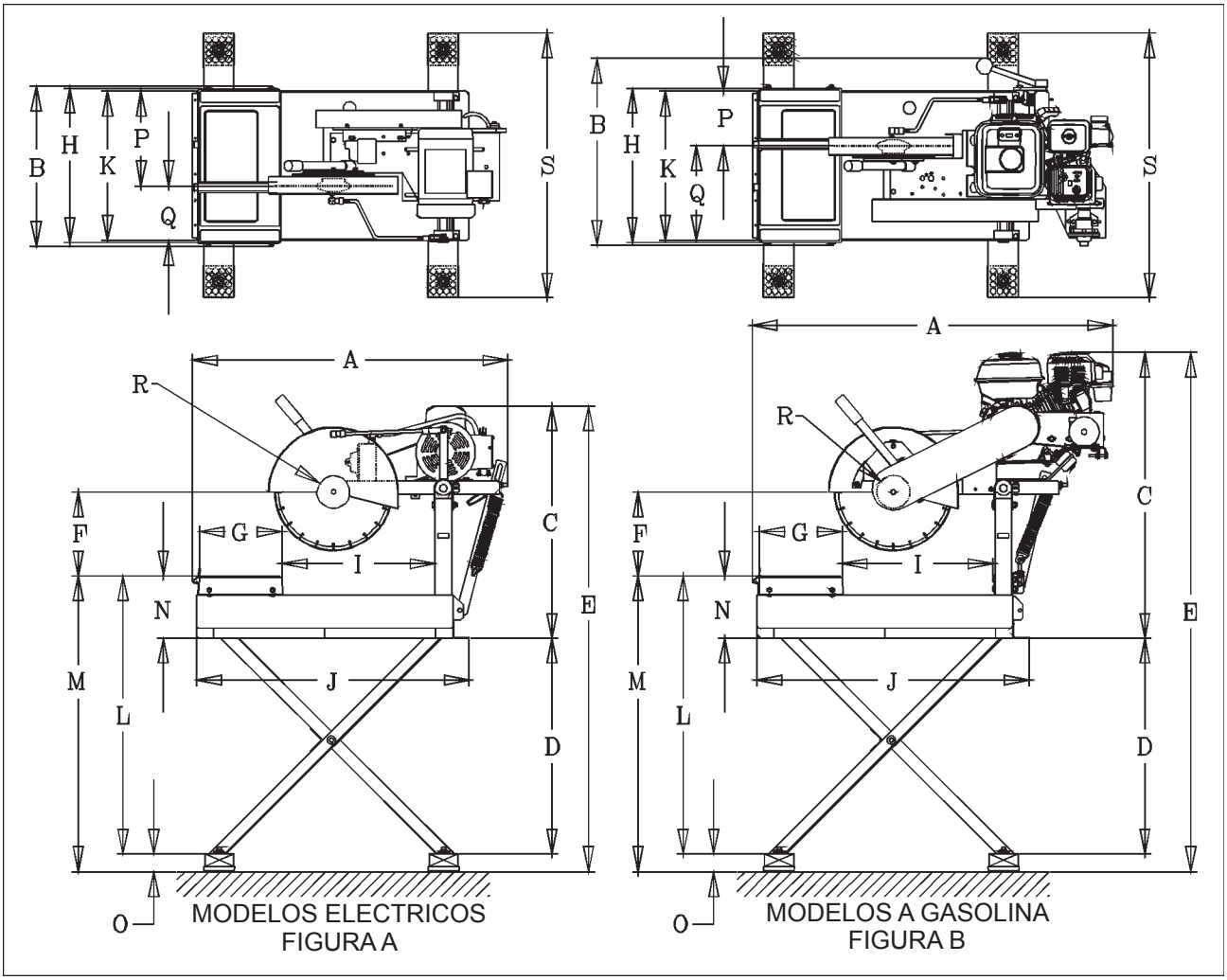
The manufacturer accepts no responsibility caused by unsuitable use or modifications.

ESPECIFICACIONES				
MODELO NO.	**TS 355-15**	**TS 355-2**	**TS 355-3**	**TS 355 G**
TIPO	1-1/2 HP, Eléctrico	2 HP, Eléctrico	3 HP, Eléctrico	5,5 HP, A Gasolina
Capacidad del Protector de la Hoja:	10 - 14" (250 - 350 mm)	10 - 14" (250 - 350 mm)	10 - 14" (250 - 350 mm)	14" Only (350 mm)
RPM del Eje de la Hoja:	2509	2509	2509	2950
Profundidad Máxima de Corte:	5.0" (127 mm)			
Tamaño del Eje de la Hoja:	1.00" (25.4 mm)			
Eje de la Hoja:	Cojinetes a Rodillos Sellados			
Transmisión del Eje de la Hoja:	Dos Cintas en V 4L370	Dos Cintas en V 4L370	Dos Cintas en V 4L370	Cinta en V 3VX (2 Bandas)
Protector de la Hoja:	Acero de una Pieza, Diseño Sta-LevelMR, Capacidad Máxima de 14" (350 mm)			
Enfriador de la Hoja:	Agua			
Bandeja para Agua:	3,86 x 17,73 x 30,73 pulgados (98 x 450 x 780,5 mm), 6,75 galones (25 litros) de capacidad (A 3 "de profundidad)			
Carro Transportador:	Aluminio Fundido con Tope de Goma Vulcanizada, Regla de Medición Ajustable, Guía de Corte de 45° / 90°			
Bomba de Agua: **Modelos Eléctricos:** **Modelo a Gasolina:**	300 Galones / Hora, Sumergible, Sellado Totalmente con Epoxy, Protegido Contra Sobrecarga Térmica 8 GPM, Transmisión por Cinta, Bronce Sólido, Con Retén y Bomba con Cebador Incluido con Válvula de Verificación			
Armazón:	De Alta Resistencia, Acero en"X" Reforzado, Soldado con Portapiezas, Diseño de Cuello Abierto para Ilimitados Longitudinales			
Peso: Libras (kg):				
Sierra Embalada:	171 (77.7)	182 (82.7)	192 (87.3)	209 (95.0)
Sierra No Embalada:	160 (72.7)	169 (76.8)	181 (82.3)	198 (90.0)
Sierra En Operación (Agua en la Bandeja):	221 (100.5)	230 (104.5)	242 (110.0)	259 (117.7)
Soporte Doblable (Sin Caja):	24 (10.9)			
Equipo de Pedal de Pie (En Caja):	14 (6.4)			
Cable de Conexión Eléctrica:	0.40 (.18)	N / A	N / A	N / A

FUENTE DE ENERGIA				
MODELO NO.	TS 355-15	TS 355-2	TS 355-3	TS 355 G
TIPO:	Eléctrico	Eléctrico	Eléctrico	Gasolina
Engine / Motor:	Baldor	Baldor	Baldor	Honda
Potencia (kw):	1-1/2 (1.1)	2 (1.5)	3 (2.2)	5.5 (4.0)
RPM:	3450	3450	3450	3500
Especificaciones:	T.E.F.C.	T.E.F.C.	T.E.F.C.	———
Voltaje:	115 / 208-230	115 / 208-230	208-230	———
Ciclo (Hz)/ Corriente/ Fase:	60 / A.C. / 1	60 * / A.C. / 1	60 * / A.C. / 1 **	———
Desplazamiento:	———	———	———	9.9 cu. Inch (163 cc)
Diámetro Interno del Cilindro:	———	———	———	2.7 inch (68 mm)
Tiempo:	———	———	———	1.8 inch (45 mm)
Cilindros/Ciclo:	———	———	———	1 / 4
Capacidad de Combustible:	———	———	———	0,95 Galones (3,6 litros)
Capacidad de Aceite:	———	———	———	0,63 Cuartos de Galón (0,6 litros)
Filtro de Aire:	———	———	———	Tipo Seco Elemento Dual con Pre-limpiador
Arrancador:	Capacitor	Capacitor	Capacitor	Retroceso
Enfriador:	Aire			

* Motores de 50 ciclos disponibles sobre pedido especial: el modelo de 2 HP es de 240 Volitios, el modelo de 3 HP es de 220-380 Volitios.
**Motor de 3 fases disponible sobre pedido especial - especificar 230 ó 460 voltios para el cableado en fábrica.
Nota: Para obtener los números de los articulos en los motores/máquinas, vea la sección de lista de piezas de este documento. Las especificaciones están sujetas a cambios sin notificación.

DIMENSIONES DE LA SIERRA



MODELOS ELECTRICOS
FIGURA A

MODELOS A GASOLINA
FIGURA B

DIMENSIONES DE LA SIERRA

MODELOS ELECTRICOS (Illustración A)			MODELOS A GASOLIA (Illustración B)		
Artículo	**Longitud (cm)**	**Descripción**	**Artículo**	**Longitud (cm)**	**Descripción**
A	38,2" (97,0)	Longitud de la Sierra (Máxima)	A	43,6" (110,7)	Longitud de la Sierra (Máxima)
B	19,4" (49,3)	Ancho de la Sierra (Máximo)	B	22,7" (57,7)	Ancho de la Sierra (Máximo)
C	28,2" (716,3)	Altura de la Sierra (Minima)	C	34,8" (88,4)	Altura de la Sierra (Minima)
D	26,1" (66,3)	Altura del Soporte (Opcional)	D	26,1" (66,3)	Altura del Soporte (Opcional)
E	56,4" (143,3)	Altura de la Sierra (Máxima)	E	63,0" (160,0)	Altura de la Sierra (Máxima)
F	3,8 - 15,1" (9,6 - 38,4)	Altura del Eje de la Hoja (Minimo - Máxima)	F	6,4 - 15,0" (16,2 - 38,2)	Altura del Eje de la Hoja (Minimo - Máxima)
G	10,0" (25,4)	Longitud del Carro	G	10,0" (25,4)	Longitud del Carro
H	18,7" (47,5)	Ancho del Carro	H	18,3" (47,5)	Ancho del Carro
I	18,5" (47,0)	Viaje del Carro	I	18,3" (46,5)	Viaje del Carro
J	33,0" (76,2)	Longitud de la Base de la Sierra	J	33,0" (76,2)	Longitud de la Base de la Sierra
K	18,0" (45,7)	Ancho de la Bandeja	K	18,0" (45,7)	Ancho de la Bandeja
L	33,7" (85,6)	Soporte al Tope del Carro	L	33,7" (85,6)	Soporte al Tope del Carro
M	35,8" (90,9)	Patin al Tope del Carro	M	35,8" (90,9)	Patin al Tope del Carro
N	7,6" (19,3)	Base al Tope del Carro	N	7,6" (19,3)	Base al Tope del Carro
O	2,1" (5,3)	Altura del Patin (Opcional)	O	2,1" (5,3)	Altura del Patin (Opcional)
P	11,5" (29,2)	Carro - Costado Izquierdo	P	6,5" (16,5)	Carro - Costado Izquierdo
Q	6,5" (16,5)	Carro - Costado Derecho	Q	11,5" (29,2)	Carro - Costado Derecho
R	4,0" (10,16)	Diámetro de la Brida	R	4,0" (10,16)	Diámetro de la Brida
S	32,0" (81,3)	Ancho del Patin (Opcional)	S	32,0" (81,3)	Ancho del Patin (Opcional)

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