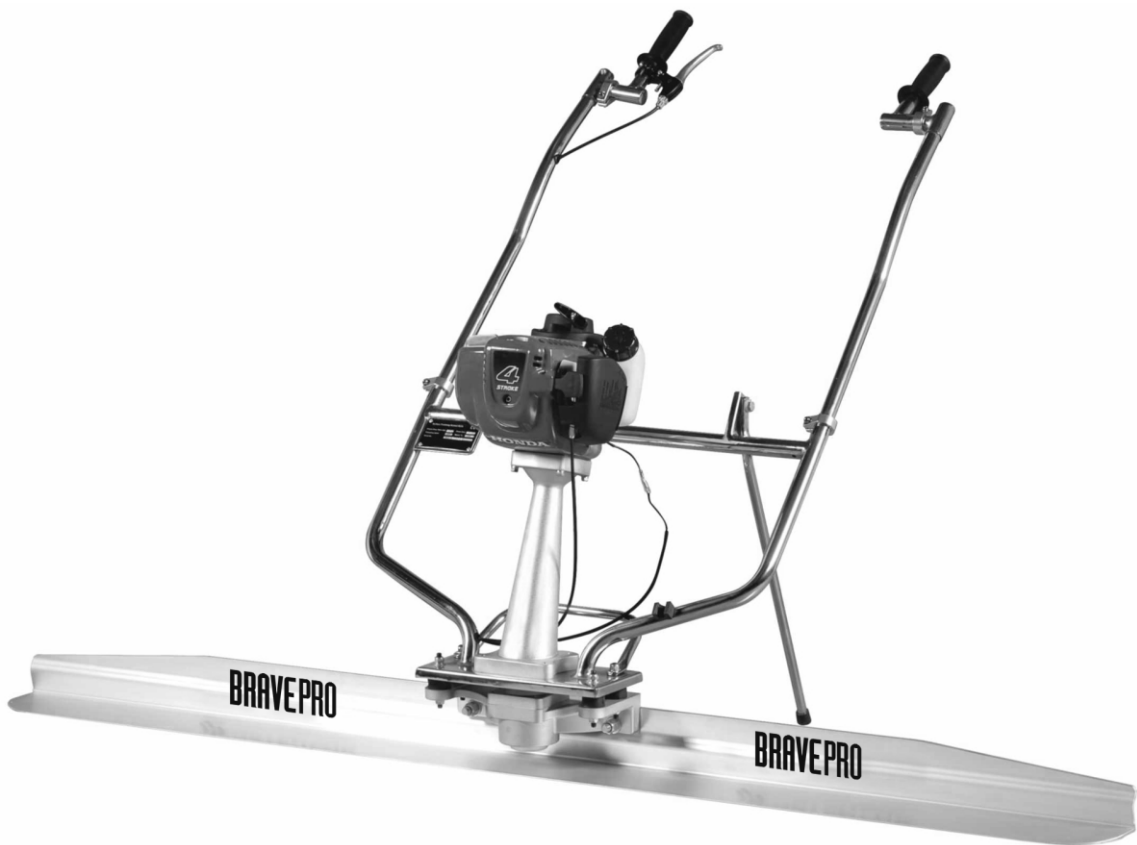


BRAVEPRO

OPERATORS MANUAL



SURFACE FINISHING SCREED

BRPS105H

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SAFETY INFORMATION

1.1 Safety Precautions

Before using this equipment, study the entire owner's manual to become familiar with its operation. Do not allow untrained or unauthorized personnel, especially children, to operate this equipment. Use only factory authorized parts for service.

This manual contains DANGER, WARNING, CAUTION callouts which must be followed to reduce the possibility of personal injury, damage to the equipment, or improper service.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

SAFETY INFORMATION

1.2 Operating Safety

Familiarity and proper training are required for the safe operation of equipment! Equipment operated improperly or by untrained personnel can be dangerous! Read the operating instructions and familiarize yourself with the location and proper use of all instruments and controls. Inexperienced operators should receive instruction from someone familiar with the equipment before being allowed to operate the machine.

- I **NEVER** allow improperly trained personnel to operate this machine.
- I **NEVER** leave a running machine unattended.
- I **NEVER** use choke to stop engine.
- I **NEVER** operate the machine in areas where explosions may occur.
- I **ALWAYS** read, understand, and follow procedures in Operation Manual before attempting to operate equipment.
- I **ALWAYS** be sure operator is familiar with proper safety precautions and operation techniques before using this machine.
- I **ALWAYS** wear protective clothing while operating. Wear goggles or safety glasses, hearing protection, and safety shoes.
- I **ALWAYS** remain aware of moving parts and keep hands, feet, and loose clothing away from the moving parts of the machine.
- I **ALWAYS** turn engine OFF when the machine is not being operated.

1.3 Operator Safety while using Internal Combustion Engines

- I DO NOT smoke when refueling the engine or during any other fuel handling operation.
- I DO NOT refuel a hot or running engine.
- I DO NOT refuel the engine near an open flame.
- I DO NOT spill fuel when refueling the engine.
- I DO NOT run the engine near open flame.
- I ALWAYS refill fuel tank in well-ventilated area.
- I ALWAYS check fuel lines, fuel cap, and fuel tank for leaks and cracks before starting engine. Do not run machine if fuel leaks are present, or fuel cap or fuel lines are loose.
- I Avoid prolonged breathing of exhaust gases.
- I Avoid contact with hot exhaust systems and engine parts.
- I Allow engine to cool before performing any repairs or service.
- I ALWAYS transport and handle fuel only when contained in approved safety containers.
- I ALWAYS keep the area around the muffler free of debris such as leaves, paper, cartons, etc. A hot muffler could ignite the debris and start a fire.

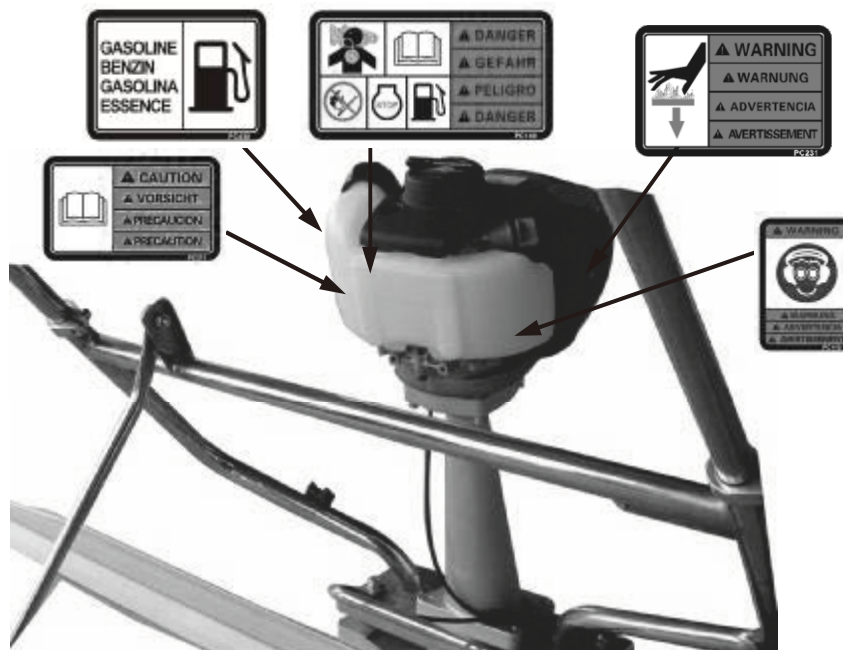
SAFETY INFORMATION

1.4 Service Safety

Poorly maintained equipment can become a safety hazard! In order for the equipment to operate safely and properly over a long period of time, periodic maintenance and occasional repairs are necessary.

- DO NOT attempt to clean or service screed while it is running.
- DO NOT operate this machine with safety devices or guards removed or not in working order.
- DO NOT operate this machine without air cleaner.
- DO NOT remove air cleaner paper element, precleaner, or air cleaner cover while operating this machine.
- DO NOT alter engine speeds. Run engine only at speeds specified in Technical Data Section.
- ALWAYS replace safety devices and guards after repairs and maintenance.
- ALWAYS keep area around muffler free of debris in order to reduce to chance of an accidental fire.
- ALWAYS do Periodic Maintenance as recommended in Operation Manual.
- ALWAYS clean debris from engine cooling fins.
- ALWAYS replace worn or damaged components with spare parts designed and recommended by BravePro for servicing this machine.







1.5 Label Locations



SAFETY INFORMATION

1.6 Safety Labels

BravePro machines use international pictorial labels where needed. The labels are described below:

Label	Meaning
	WARNING! Always wear hearing and eye protection when operating this machine.
	DANGER! Engines emit carbon monoxide; operate only in well-ventilated area. Read the Operation Manual for machine information. No sparks, flames, or burning objects near the machine. Shut off the engine before refueling. Use only clean, filtered unleaded gasoline.
	WARNING! Hot surface!
	CAUTION! Read and understand the supplied Operation Manual before operating the machine. Failure to do so increase the risk of injury to yourself or others.
	CAUTION! Use only clean, filtered gasoline fuel.
	A nameplate listing the model number and serial number is attached to each unit. Please record the information found on this plate so it will be available if the nameplate is lost or damaged. When requesting service information, the serial number should be specified of the unit.

OPERATION

2 Operation

2.1 Assemble the SCREED

1. First determine whether you want to use screed as a form-to-form screeder or as a free screeder.
2. The screed is supplied in 2 components: the power-unit and the beam profile.
3. The power-unit is equipped with a quick disconnect system, with which the power-unit can be mounted on to the beam profile.
4. To connect the power-unit to the beam profile loosen the 3 wing bolts about 8mm, until the front clamping plate fits into the collar of the profile. Now tighten the 3 wing bolts.
5. Now unfold the twin control handle, adjust it to the proper height, and tighten the 2 clamps.
6. Make sure that the Screed Easy is properly assembled and that the ON-OFF switch is in the ON position.
7. Make sure that the fuel tank is filled with unleaded fuel only.
8. In case the screed is used for form-to-form screeding make sure that the forms are set to the right level.

2.2 Pre-Operation Check

1. Engine oil level
 - Remove the oil filler cap and check the oil level: it should reach the top of the oil filter neck.
 - If the level is low, fill to the top of the oil filler neck with the recommended oil.
Add the engine oil slowly to avoid overflowing, as the engine oil tank capacity is small.
Every 10 hours, check the engine oil level and replenish oil up to the top of the oil filler neck if the engine is operated for more than 10 hours continuously.
Use Honda 4-stroke, or an equivalent high detergent, premium quality motor oil certified to meet or exceed U.S. automobile manufacturer's requirements for service classification SG, SF. Motor oils classified SG, SF will show this designation on the container. SAE 10W-30 is recommended for general, all temperature use.



CAUTION

Using nondetergent oil or 2-stroke engine oil could shorten the engine's service life.

The recommended operating range of this engine is -5°C to 40°C (23°F to 104°F)

2. Air cleaner



CAUTION

Never run the engine without the air cleaner. Rapid engine wear will result. Check cleaner for dirt or obstruction of element.

OPERATION

3. Fuel

Use automotive gasoline (Unleaded or lowleaded is preferred to minimize combustion chamber deposits).

Never use an oil/gasoline mixture or dirty gasoline. Avoid getting dirt, dust or water in the fuel tank.

4. Retightening bolts and nuts

Check for loose bolts and nuts. Tighten the bolts and nuts properly and securely, if necessary.

2.3 To Start

1. Turn the engine switch to the ON position (on the equipment side).

2. Move the choke lever to the CLOSED position.

Note: Do not use the choke if the engine is warm or the air temperature is high.

3. Press the priming pump several times until a fuel flow in the fuel return tube is visually noticed.

4. Pull the starter grip lightly until resistance is felt, then pull briskly.

5. Gradually move the choke lever to the OPEN position. Warm up the engine until it runs smoothly.

6. Position the throttle control lever for the desired engine speed (on the equipment side).

2.4 Operation and use of the SCREED

1. Place the screed beam on the rail supports or if you want to use the screed as a free screed, directly on the freshly poured concrete surface.

2. Now start the engine and allow a three minute warming-up period before setting the throttle handle to the desired engine speed.

3. After setting the engine speed start moving the screed backwards, the travel-speed depends on the consistency of the concrete.

4. After the job is finished, remove the Screed from the concrete and switch off the engine.

5. After use, clean the screed according to the instructions described in the maintenance section of this manual. Place the screed on a dry, clean and stable surface.

6. If you do not expect to use the engine for a long period of time, drain the fuel tank and let the engine run at idle speed until the fuel in the carburetor is used and the engine stops.

OPERATION

NOTE:

- I Make sure to refill the fuel tank in time. Do not let the engine run so all the fuel is used. This might cause starting problems.
- I Prevent the screed of sinking into the concrete. After the engine has been switched on, immediately move the Screed Easy backwards.
- I When using a low slump concrete, move the screed slowly across the surface of the concrete. When using a high slump concrete, move the screed faster across the surface of the concrete.
- I When the screed is used as a wet screed it is recommended to first compact the freshly poured concrete with a poker vibrator while at the same time set the height of the floor by means of a laser device.

2.5 Operation

The drive-unit of the screed is started by pulling the recoil-starter of the engine. The vibrating beam of the screed compacts, levels and smooths freshly poured concrete in one operation. The screed features a dual purpose beam and can be used for form-to-form screeding or for free screeding.

By rotating the power-unit 180 degrees, the operator can choose between screeding, using forms/rails, or free screeding.

2.6 To Stop

To stop the engine in an emergency, turn the engine switch to the OFF position (on the equipment side). Under normal conditions, use the following procedure:

1. Position the throttle control lever fully to LOW (on the equipment side).
2. Turn the engine switch to the OFF position (on the equipment side).

MAINTENANCE

3 MAINTENANCE

The screed is designed to give many years of trouble free operation. It is recommended that an approved dealer carries out all major maintenance and repairs. Always use our genuine replacement parts, the use of spurious parts may void your warranty.

It is recommended to spray the aluminum blade and quick disconnect prior to operation, with a high quality form oil.

Clean the quick disconnect and beam on a daily basis.

Only qualified personnel, familiar with the contents of this operation manual, are allowed to carry out maintenance and repair jobs to the screed.

After use store the screed in a clean, dry and dust free place.

Daily Service

In order to achieve a maximum cooling effect the ventilation openings must stay free from dirt, grease and concrete. Check them at the end of each working day. If necessary clean them with a brush or a damp cloth. For detailed engine servicing instructions, please read the operation instructions supplied by the manufacturer.

TECHNICAL DATA

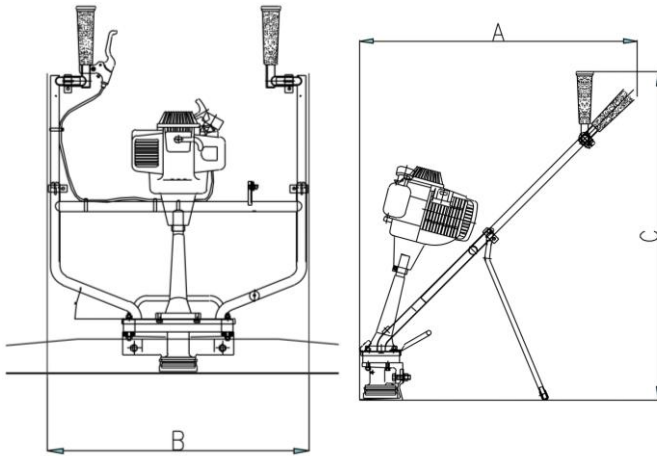
4. TECHNICAL DATA

Model	BRPS105H
Engine type	Honda GX35
Engine Max. Rated Speed rpm	7000
Power kw (hp)	1.2 (1.6)
Weight without blades kg (lb)	12.7 (28.0)

Blades

Model	BRSB4	BRSB6	BRSB8	BRSB10	BRSB12	BRSB14	BRSB16
Blade Size m (ft)	1.2 (4)	1.8 (6)	2.4 (8)	3.0 (10)	3.7 (12)	4.3 (14)	4.9 (16)
Weight kg (lb)	2.90 (6.40)	4.36 (9.4)	5.81 (12.80)	7.27 (16.00)	8.72 (19.20)	10.16 (22.40)	11.61 (25.60)

Working Size mm:



Model	A	B	C
PCDH	450	660	1000

Hand-Arm vibration Specification (According to ISO 5394, EN 1033 and EN500-4):
7.8m/s²



20195 South Diamond Lake Road, Suite 100 • Rogers, MN 55374
 Toll-Free: 800-350-8739 • Website: braveproducts.com • Email: sales@braveproducts.com

Dear Valued Customer:

The Brave product you just purchased is built with the finest material and craftsmanship. Use this product properly and enjoy the benefits from its high performance. By purchasing a Brave product, you show a desire for quality and durability. Like all mechanical equipment this unit requires a due amount of care. Treat this unit like the high-quality piece of machinery it is. Neglect and improper handling may impair its performance.

Thoroughly read the instructions and understand the operation before using your product. Always contact Brave Product Support at 1-800-350-8739 prior to having any service or warranty work performed, as some services performed by parties other than Brave approved service centers may void this warranty. This limited warranty is in lieu of any other warranty expressed or implied, written or oral and Brave assumes no other responsibility or liability outside that expressed within this limited warranty.

Limited Warranty for Brave Compaction Equipment:

BRPTR60H	BRPFP140H	BRPPT210H	BRPV105
BRPTR68H	BRPRP210H	BRPCS110H	
BRPFP120H	BRPRP220H	BRPCS210H	
BRPFP130H	BRPPT110H	BRPS105H	

	Consumer Warranty Period	Commercial Warranty Period
Bellow on Rammer		
	5 years from date of purchase by user	5 years from date of purchase by user
Gear box on Rammer or Plate Compactor		
	3 years from date of purchase by user	3 years from date of purchase by user
Other Equipment Parts on Rammer, Plate Compactor, Roller, Floor Saw, Power Trowel and Vibrating Screed		
	2 years from date of purchase by user	2 years from date of purchase by user
Vibratory Poker or Submersible Pump		
	1 year from date of purchase by user	1 year from date of purchase by user
Engines	The engine warranty is covered under the terms and conditions as outlined by the engine manufactures warranty contained herein and is the sole responsibility of the engine manufacturer. Normal engine maintenance such as spark plugs, oil changes, air filters, adjustments, fuel system cleaning and obstruction due to build up is not covered by this Brave limited warranty.	
Warranty Limitations	<ul style="list-style-type: none"> • Wear items: 30 day limited warranty. Includes, but not limited to, all clutches. • Any condition resulting from other than ordinary wear or any use for which the equipment was not intended • Any condition resulting from incorrect or inadequate maintenance or care. • Damage resulting from misuse, abuse, negligence, accidents or shipping. 	

“Consumer use” means personal residential household use by a consumer. “Commercial use” means all other uses, including, but not limited to, use for commercial, income producing or rental purposes or when purchased by a business.

This limited warranty applies to the original purchaser of the equipment (verification of purchase, in the form of a receipt, is the responsibility of the buyer), is non-transferable, and covers parts and labor. Parts will be replaced or repaired at no charge, except when the equipment has failed due to lack of proper maintenance. If a part is no longer available, the part may be replaced with a similar part of equal function. Any misuse, abuse, alteration or improper installation or operations will void warranty. Determining whether a part is to be replaced or repaired is the sole decision of Brave. Brave will not provide for replacement of complete products due to defective parts. Any costs incurred due to replacement or repair of items outside of a Brave approved facility is the responsibility of the buyer and not covered under warranty. Transportation costs to and from service center and/or service calls are the responsibility of the customer.

This limited warranty specifically excludes the following: failure of parts due to damage caused by accident, fire, flood, windstorm, acts of God, applications not approved by Brave in writing, corrosion caused by chemicals, use of replacement parts which do not conform to manufacturer’s specifications, damage related to rodent and/or insect infestation and damage caused by vandalism. Additional exclusions: loss of running time, inconvenience, loss of income, or loss of use, including any implied warranty of merchantability of fitness for a specific use. Also, outdoor power equipment needs periodic parts and service to perform well, and this limited warranty does not cover instances when normal use has exhausted the life of a component or the engine.

This limited warranty does not cover any personal injury or damage to surrounding property caused by failure of any part, misuse or inability to use the product. Alteration of the product, including safety features, shall void this limited warranty. Repair or replacement of parts does not extend the warranty period. This limited warranty gives you specific legal rights. You may also have other rights that vary by state. Please have model number, item number and serial number on hand prior to making a warranty claim or inquiry.

For products purchased on or after March 1, 2022

MAINTENANCE RECORD

PREVENTATIVE MAINTENANCE AND ROUTINE SERVICE PLAN

BravePro screed has been assembled with care and will provide years of service. Preventative maintenance and routine service are essential to the long life of your screed. After reading through this manual thoroughly, you will find that you can do some of the regular maintenance yourself. However, when in need of parts or major service, be sure to see your dealer. For your convenience we have provided this space to record relevant data about your screed.

Invoice Number:		Type of Machine:	
Date Purchased:		Dealer Name:	
Serial Number:		Dealer Phone:	

REPLACEMENT PARTS USED					MAINTENANCE LOG	
PART NO.	DESCRIPTION	QTY	COST	DATE	DATE	OPERATION

EC DECLARATION OF CONFORMITY
CE-KONFORMITÄTSERKLÄUNG
DECLARACIÓN DE CONFORMIDAD DE LA CE
DÉCLARATION DE CONFORMITÉ C.E.

Brave Products

20195 South Diamond Lake Rd., Suite 100 Rogers, MN 55374

hereby certifies that the construction equipment specified hereunder / bescheinigt, da. das Baugerät / certifica que la máquina de construcción / atteste que le matériel :

1. Category / Art / Categoría / Catégorie:
Screed

2. Type / Typ / Tipo / Type:
BRPS105H

has been produced in accordance with the following standards:/in übereinstimmung mit folgenden Richtlinien hergestellt worden ist:/ha sido fabricado en conformidad con las siguientes normas: / a été produit conformément aux dispositions des directives européennes ci-après :

2006/42/EC
2004/108/EC/EN55012:2007 (EMC)
EN12649/2008



15.02.10

Date / Datum / Fecha / Date

Hermann Josef Lensing
Research and Development Manager

BRAVEPRO

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