





Red Band FS200 Floor Planer / Scabbler



RED BAND UK LTD

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Red Band FS200 Floor Planer / Scarifier FS200 FLOOR PLANER / SCARIFIER EC Declaration of Conformity (Static Machines) We declare under our sole responsibility that the product(s) FLOOR SCARIFER To which this relates is in conformity with the following directives; Supply of Machinery (Safety Regulations) 1992 (SI 1992/3073) Supply of Machinery (Safety) (Amendment) 1994 (SI 1994/2063) Safety of Machinery BS EN292-1&2 1991, BS EN 294 1991, BS EN 294 1993, BS EN 418 1992, BS EN 457 1992, BS EN 563 1993, BS 614 1965 BS EN 1033 1996, BS 5378 1980 89/392/EEC Machines Directive 93/44/EEC & 93/68/EEC Amendment to Machines Directive This equipment must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the above mentioned directive. Alan Newton Certified by : Red Band UK Ltd



| | Red Band FS200 Floor Planer / Scarifier |
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| | FS200 FLOOR PLANER / SCARIFIER |
| | SAFETY INSTRUCTIONS |
| | |
| 1) | Construction equipment may only be operated by persons :- |
| | a – are at least 18 years old. b – are physically and mentally fit for the job. c – have been instructed in the use of this equipment and proved their ability for the job to their employer. d – may be expected to carry out the job they are charged with carefully |
| 2) | Floor scarifiers may only be used for scarifying work in the construction industry. Both the manufacturers and the engine / motor manufacturer's operating instructions and these safety instructions have to be observed. |
| 3) | The persons charged with the operation of floor scarifiers have to be made familiar with the necessary safety measures relating to the machine. In case of extraordinary uses the employer shall give necessary additional instructions. |
| 4) | It is possible that this floor scarifier exceeds the admissible sound level of 89dB(A). According to the rules for the prevention of accidents regarding of noise, the employees have to wear ear protection if the sound level reaches 89dB(A) or more. |
| | OPERATION |
| 1) | When operating an electric scarifier particular care must be taken to ensure all cables and plugs are in good order. No unqualified personnel must remove control panels. Only qualified electricians should wire the machine or any accessories. |
| 2) | The functioning of operating levers or elements is not to be influenced or rendered ineffective. |
| 3) | During operation the operator may not leave the control elements. |
| 4) | The operator has to stop the engine of the floor scarifier before going on breaks. The machine has to be placed such that it cannot turn over. |
| 5) | Stop engine before filling fuel tank, do not allow fuel to come in contact with the hot parts of the machine or spill on to the ground. |
| 6) | Do not smoke or handle open fire near this machine. |
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Red Band FS200 Floor Planer / Scarifier 7) The tank lid must fit tightly. Shut off fuel cock, if available when stopping the engine. For long distance transports of the machine operated by fuel or fuel-mixtures, the fuel tank has to be drained completely. ATTENTION !! Leaky fuel tanks may cause explosions and must therefore be replaced immediately. ATTENTION!! Exhausts are hot, do not touch them. Do not operate machinery in areas where explosions may occur. Make sure that sufficient fresh air is available when operating scarifiers with combustion engines in enclosed areas, tunnels and deep trenches. During operation keep your hands, feet and clothes away from moving parts of the floor scarifier. Wear safety shoes, and eye protection glasses in case of trench operation where falling sand stones may be ejected. 11)When working near the edges of breaks, pits, slopes, trenches and platforms, floor scarifiers are to be operated such that there is no danger of their turning over or dropping in. When travelling backwards the operator has to guide the floor scarifier laterally by its guide handle so that he will not be squeezed between the handle and a possible obstacle. Special care is required when working on uneven ground or when compacting coarse material. Make sure of a firm stand when operating the machine under such conditions. 13)Floor scarifiers are to be guided such that hand injuries caused by solid objects are avoided. 14) Floor scarifiers have to be guided such that their stability is guaranteed. SAFETY CHECKS Floors scarifiers may only be operated with all safety devices installed. 2) Before starting operation, the operator has to check all control and safety devices function properly. In case of defects of the safety devices or other defects reducing the operational safety of the floor scarifier, the supervisor has to be informed immediately. In case of defects jeopardizing the operational safety of the floor scarifier, the machine has to be stopped immediately. Red Band UK Ltd



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| | As soon as maintenance and repair jobs have been completed all safety devices have to be reinstalled properly. |
| | TRANSPORT |
| | During transport, loading and unloading of floor scarifier by means of lifting devices, appropriate slinging means or hooks have to be used on the lifting points provided for this purpose on the vibrating plate. |
| - | The load-carrying capacity of the loading ramps has to be sufficient and the ramps have to be secure such that they cannot turn over. Make sure that no one can be endangered by machines turning over by slipping or by moving machine parts. |
| | When being transported on vehicles, precautions have to be taken that floor scarifiers do not slip or turn over. |
| | LIFTING |
| | ne weight can be found on the Serial No. plate, <i>it is too heavy for one</i> to <i>lift</i> ! The lifting hook positions are clearly marked – USE THEM! |
| | MAINTENANCE CHECKS |
| checke | ling to the conditions and frequency of use, floor scarifiers have to be ad for safe operation at least once a year by skilled technicians, such as found at the manufacturer's service depots and have be repaired if sary. |
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| | Red Band FS200 Floor Planer / Scarifier |
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| | FS200 FLOOR PLANER / SCARIFIER |
| _ | Routine Maintenance Safety Warning |
| | Changing Cutter Drums |
| A | Iways ensure machine is turned off |
| A | Iways ensure:- |
| | Electric - plug is removed from power source |
| | Petrol - spark plug cap is removed from spark plug |
| F | Remove sideplate screws – check for wear |
| P | Pull off sideplate |
| R | Remove brush or drum |
| c | Changing Cutters |
| s | Stand drum vertically, remove screws and nuts and then sideplate |
| | Remove flail shafts, as always check for wear. (We recommend that you eplace flail shafts every cutter change) |
| F | it new cutters, spacers and flail shafts |
| A | lways offset cutters on each shaft to ensure even cutting face |
| F | Replace cover plate and screw and ensure nuts are tight |
| | General Maintenance (8 operating hours / daily) |
| v | / belt – check tension of v-belts and adjust as necessary |
| E | ngine – check oil level |
| | Machine – clean the machine, this may be necessary more often if using the nachine to remove tar based material |
| F | asteners – check all fasteners are secure |
| F | lail shafts – check condition and replace if necessary |
| D | Oust flap – check condition of dust flaps and replace if necessary |
| B | Belt guard – check belts and guard condition |
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| | Re | d Band FS200 Floor Planer / Scarifier | | |
|-----------------|----------------------|---------------------------------------|----------------------|----------------------|
| | | LOOR PLANER / SC | ARIFIER | |
| | FS200-P Petrol | | FS200 - E 110V | FS200 - E 220V |
| Manufacture | Honda | Manufacture | AEG | AEG |
| Model | GX160 | Frame size | 90 | 90 |
| Air filter | Cyclonic | Voltage | 110 / 1 / 50 | 220/240/3/50 |
| Engine speed | 3600 rpm | Full load current | 28 amps | 13.1 amps |
| Cutter speed | 1800 rpm | HP | 3 hp | 3 hp |
| Weight | 49 kg | KW | 2.2 kw | 2.2hp |
| Height | 98 cm | Cable | 4.0 mm ² | 1.5 mm ² |
| Width | 36 cm | Max cable length | 10 m | 30 m |
| Length | 120 cm | Control gear | Moeller | Moeller |
| Acoustic | 104 dB | Engine speed | 2800 rpm | 2800 rpm |
| emissions idle | (A) | Cutter speed | 1800 rpm | 1800 rpm |
| Acoustic | 94 dB (A) | Weight | 49 kg | 49 kg |
| emissions under | | Height | 98 cm | 98 cm |
| load | | Width | 36 cm | 36 cm |
| Vibration idle | 8.9 m/s ² | Length | 120 cm | 120 cm |
| Vibration under | 9.8 m/s ² | dB (A) | 91 | 91 |
| load | | Vibration idle | 8.9 m/s ² | 8.9 m/s ² |
| | | Vibration under load | 9.8 m/s ² | 9.8 m/s ² |
| r | | Product Specification | | |

| Product S | pecification |
|----------------------------------|--------------|
| Working width | 8" / 200mm |
| Distance between wall – right | 105mm |
| Distance between wall – left | 40mm |
| Diameter of dust extraction tube | 2" / 50mm |

Warranty

- · We warrant that the product is free from defects in materials and workmanship.
- If such a fault is found within six months from date of purchase from an approved dealer, the company will replace free of charge all failed components.
- Any failed unit must be returned carriage paid to the factory for inspection.
- The warranty does not cover failure attributable to wear and tear, accidental damage, site
 or operator misuse or lack of maintenance.
- We will not accept units under warranty that third parties have attempted to repair or disassembled.



| | Red Band FS200 Floor Planer / Scarifier |
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| | FS200 FLOOR PLANER / SCARIFIER |
| | Drum Setup and Usage |
| Alwa comf | ys ensure the drum is correctly balanced, this will increase operator ort and improve life and performance of the cutters. |
| | king a shallow depth of cut and taking two quick passes, rather than one pass, cutter life is increased dramatically. |
| | equently replacing low cost items, i.e. shafts and washers, drum life can ttended. |
| Alwa wash | ys stagger TCT cutters as shown below when using TCT cutters and ers. |
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| | void imbalance the shafts must always have the same number of cutters spacers. Axial play must be at least 2.5mm to 5mm. |
| | n fitting milling cutters on the flail shafts, all blades must face in the ng direction. |
| | ance of the TCT cutters, drum and spacers may cause the nmended number of spacers to vary slightly. |
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| | Red Band FS200 Floor Planer / Scarifi | er |
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| FS20 | 0 FLOOR PLANER / SC | ARIFIER |
| Problem | Cause | Solution |
| | Electric Unit | |
| Unit running slow | Voltage drop | Check power supply Check generator specification Check cable length & spec. |
| Unit won't run | Fuse blown Power disconnected Cable damaged Other | Check fuses Check plug Check cable Refer to motor manual |
| | Petrol Unit | |
| Engine won't start | No fuel Engine switched off Gas in air filter | Refuel Switch on Remove air filter cover, crank engine |
| | Common Problems | |
| Cutter wearing unevenly | Cage set too low Material build up Cutters too tight | Raise cage Clean cutters & cage Remove one or more cutters/spacers |
| Machine jumps on floor | Cage lowered too far RPM too low | Adjust height level Reset throttle |
| V belt wearing rapidly | Pulley misaligned Wrong belt Belt rubbing on surface | Adjust pulley Replace Adjust height on machine |
| Uneven cut | Wear on rear or front wheels Wear on front axle Handle assembly out of line | Replace wheels Replace axle/bushes Line up |
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| Please order b | escription | 200-ED Spare Parts List Part ref |
|----------------|------------------------------|-------------------------------------|
| Bin D | escription | Part rof |
| | | Dort rof |
| VB30 D | | Part rei |
| VD30 D | rum c/w flail shafts | |
| FS03 E | nd plate c/w bolts | 504-2035-1 |
| | Omm flail shaft | 507-1001-1 |
| | 2mm flail shaft | 507-1001-6 |
| FS06 D | rive shaft | 513-1000-1 |
| FS07 D | rive bush | 514-1000 |
| FS08 B | earing 6006 | 979-1000-18 |
| | irclip 30 | 977-1010-30 |
| | irclip 55 | 977-1010-55 |
| | earing housing | 512-1000 |
| FS12 E | nd plate | 511-1055-2 |
| | over | 511-1030-2 |
| | earing housing | 512-1002 |
| | haft spacer 8mm | 109-1033-7 |
| | haft spacer 6mm | 109-1033-11 |
| | ulley spacer 5/6mm | 506-1007 |
| | earing 6303 | 979-1000-12 |
| | irclip 47 | 977-1000-47 |
| FS21 W | /oodruff key | 979-9021 |
| | astle nut | 979-1020-1 |
| | astle washer | 979-1022-17 |
| | rive pulley | 518-1006 |
| FS25 D | rive belt SPZ722 | 967-1010-722 |
| FS26 E | ngine pulley | 518-1002-1 |
| FS27 B | elt guard | 518-1001-1 |
| | uard bracket | |
| | ront wheel assy | 530-1004 |
| | ear wheel | 905-1000 |
| | ivot axle | 515-1007-12 |
| | ork joint | 516-1006 |
| | od 10 x 10 | 516-1000-2 |
| | pring lever | 516-1002-2 |
| | andgrip | 510-1016-1 |
| | andle stop | 516-1001-2 |
| | nob assy | 907-1001-1 |
| | andle | 510-1020-1 |
| | ngine clamp plates 'p' | 510-1011-4 |
| | tarter assy 110V (FS200E) | 501-2003-110 |
| | apacitor (FS200E) | 970-1083-1 |
| | otary switch (FS200E) | 501-2003-3 |
| | otary switch knob (FS200E) | |
| | ontactor (FS200E) | 501-2003-1 |
| | ircuit breaker (FS200E) | 501-2003-6 |
| | top button (FS200E) | 501-2003-4 |
| | racket adaptor (FS200E) | 501-2003-12 |
| | ontact (FS200E) | 501-2003-14 |
| | lotor pulley 'e' 24mm | 518-100501 |
| | rive belt 'e' SPZ687 | 967-1010-687 |
| | ust flap | 511-1022-240 |
| | ap bar | 511-1021-240 |
| | otor Plate (FS200ED) | |
| | lotor Plate (FS200E) | |
| | rum c/w TCT flails & spacers | |
| VB05 T | CT flail set (76) | |
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| Red Band FS200 Floor Planer / Scarifier |
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| Spacer set (100) |
| |
| Starter Parts |
| 110V Starter Assy |
| 110V Contactor 110V Overload (19 – 25a) |
| Starter Enclosure |
| Motor Parts |
| Run Capacitor 50uf |
| Run Capacitor 40uf |
| Start Capacitor 180uf |
| Relay SÉ1 Fan |
| Fan Fan Cover |
| Motor Feet Set |
| Terminal Box Base |
| Terminal Box Lid |
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