

General[®]

SG24 SERIES SURFACE GRINDERS



SG24/GH

**General's surface grinders...
grind, scarify and clean
concrete, asphalt and a wide
variety of floor coverings.**

General's gasoline, electric and propane surface grinders feature attachment systems designed for breaking up deposits of grease, dirt, rubber carpet backing and industrial residues; cleaning concrete, asphalt and tiles; producing exposed aggregate slabs; and buffing and polishing more delicate terrazzo and marble floor surfaces.

The units feature standard twin, counter-rotating discs that can work a 24"x12" area. They can be quickly removed to allow attaching standard 10" diameter, multi-segmented dry diamond discs for increased productivity on polymer concrete, epoxy, plastic overlays and critical flat floor installations.

The SG24/G is powered by an 11 hp Honda engine with LP gas conversion available. Power sources for the SG24/E Series include 2 hp 115/230 VAC, 60 hz, or 3 hp 220/230 VAC, 50/60 hz, electric motors. The 2 hp motor incorporates a manual voltage selection switch to accommodate available jobsite power. The 3 hp motor provides additional power for the most demanding applications. Both motors feature dual starting capacitors and thermal overload protection switches for safety and security.


General[®]
EQUIPMENT COMPANY
620 Alexander Dr. S.W. • PO Box 334
Owatonna, Minnesota 55060
800.533.0524 • +507.451.5510
Fax +507.451.5511
Toll-Free Fax 877.344.4375 (Digger 5)
Web: www.generalequip.com
E-mail: general@generalequip.com
Can you really afford anything less?

A never-ending commitment to produce the best Surface Grinder on the market is what sets General apart.



Features & Benefits

- 1 Comfortable operator handle.**
Full width, tubular design maximizes operator leverage and control. Helps maximize productivity and minimize fatigue.
- 2 Choice of power sources.**
2 or 3 hp electric, domestic and foreign voltage operation. 11 hp gasoline or propane conversion.
- 3 Propane conversion designed from inception.**
Components are positioned for greater protection from damage during use or transit.
- 4 Carry handles.**
Comfortable and functional when loading or unloading.
- 5 Full-length rubber bumper.**
Minimizes damage to vertical walls. Quickly removeable to install safety and dust shield.
- 6 Heavier machine weight.**
Adds structural integrity with no compromise to agility and ease of operation.
- 7 Compatability and interchangeability.**
Counter-rotating, multi-accessory discs accommodate both General® and EDCO® attachments.
- 8 Elastomeric drive system.**
Twelve rubber hubs allow multi-accessory discs to flex. Flex rate remains more constant with age and use. Easily repaired in the event of catastrophic contact with an above surface obstruction.
- 9 Heavy duty spur gear transmission.**
Gears connect to multi-accessory disc driveshafts with full length, heat-treated keys.
- 10 Belt cover (not pictured).**
Provides ample space to store up to 300 lbs. of external weight for increased operational performance.
- 11 Longer wheel base.**
Provides increased stability that allows multi-accessory attachments to quickly produce flatter, more level floors.

- 12 Large diameter caster wheels.**
Reduces rolling friction during operation. Rubber tires produce no markings.
- 13 Adjustable caster wheel height.**
Accommodates variances in multi-accessory attachment heights.
- 14 Dual V-belt drive system.**
Provides increased centerline distance between pulleys. Additional belt wrap delivers greater horsepower and torque to multi-accessory attachments.
- 15 Optimum operating speed.**
Both engine and electric motor powered units utilize similar drive system components. All multi-accessory attachments rotate at 250 rpm for maximum performance.
- 16 Standard 3" diameter dust port.**
Connects directly to vacuum systems. Larger size helps minimize static pressure loss while increasing vacuum system performance.
- 17 Adjustable handle.**
Accommodates variance in operator heights and helps minimize fatigue and maximize control.
- 18 Dual V-belt tension adjustment.**
Helps maintain belt tension to factory specifications. Proper tension increases belt and clutch service life.
- 19 Convenient oil drain.**
Promotes proper oil change intervals on engine powered units.



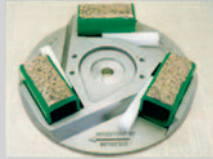
SG24/GH

ATTACHMENTS



SCRAPE-R-TACH® Coatings Removal System

- Fits General and EDCO dual headed surface grinders
- Removes urethanes, mastics, epoxies and material build-ups
- Twin insert design minimizes damage to cap surface
- Replaceable tungsten carbide inserts feature 8 wear edges
- 16-sided Octa-Sert® inserts for increased performance on higher tensile coatings



CARB-A-TACH® Carbide Grinding System

- Fits General and EDCO dual headed surface grinders
- Tungsten carbide balls deposited in softer weld matrix
- Increased productivity and service life over grinding stones



DIAM-A-TACH® Diamond Segment Grinding System

- Fits General and EDCO dual headed surface grinders
- Increases productivity over grinding stones
- Removes thin film surface coatings without clogging
- Matrix options for material types and abrasion levels
- Offset mounting extends segment service life
- Replaceable diamond segment pins



Grinding Stones

- Fits General and EDCO dual headed surface grinders
- Sharp edges of silicon carbide are exposed with use for aggressive grinding action
- Available in super-coarse C06 to polishing C120



Scarifiers

- Fits General and EDCO dual headed surface grinders
- Utilizes heat-treated, high carbon flails mounted in reusable steel frames
- Breaks up hard surface deposits such as varnish, paint, epoxy, fiberglass and grout
- Chips concrete from around aggregate



Wire Brush

- Fits General and EDCO dual headed surface grinders
- Breaks up soft to medium deposits of grease, dirt, rubber carpet backing, and industrial residues from floor surfaces
- Produces exposed aggregate slabs
- Removes slow setting concrete without disturbing aggregate



PLAS-T-LOK™ Mounting Wedge

- Clamps accessory attachments to General and EDCO dual headed surface grinders
- Plastic material better withstands damage from splintering and breakage than wood
- Provides more uniform clamping pressure



Clean Sweep™ Floor Brush

- Fits General dual headed surface grinders
- Silicon carbide impregnated bristles produce aggressive cleaning action
- Use with detergents to remove grease, dirt and stains from concrete floors



Safety and Dust Shield

- Helps contain airborne dust and material contamination
- Fabric reinforced rubber material withstands direct impact damage
- Quickly adjusts for attachment wear or height variances

The most comprehensive line of surface grinders and attachments ever developed.



SG24/E



SG24/GHP

S P E C I F I C A T I O N S

SG24 SERIES SURFACE GRINDERS

MODEL	SG24/GH	SG24/GHP	SG24/E	SG24/E3HP
Power Source				
TYPE	Honda GXV340, 11 hp (82 kW) @ 3600 RPM, 4 cycle, gasoline engine equipped with Lo Tone muffler with spark arrestor	Honda GXV340, 11 hp (82 kW) @ 3600 RPM, 4 cycle, gasoline engine converted for propane use, equipped with Lo Tone muffler and spark arrestor	Leeson 2 hp (1492 W), totally enclosed, fan cooled, capacitor start, 3450 RPM, single phase, 115/230 VAC, 60 hz, electric motor. Operating voltage is selected by manual switch	Leeson 3/2.5 hp (2.2/1.9 kW), totally enclosed, fan cooled, capacitor start, 3450/2850 RPM, single phase, 230/220 VAC, 60/50 hz, electric motor. Voltage and frequency are controlled automatically by motor
FUEL SPECIFICATION	Gasoline, regular or unleaded	Liquid propane	n/a	n/a
STARTING METHOD	Mechanical rewind	Mechanical rewind - electric starter optional	n/a	n/a
AIR CLEANER	Dual element	Dual element	n/a	n/a
ELECTRIC MOTOR FULL LOADED AMPERAGE (FLA) RATING	n/a	n/a	16.8 amperes @ 115 VAC, 60 hz 8.4 amperes @ 230 VAC, 60 hz	12.3 amperes @ 230 VAC, 60 hz 11.8 amperes @ 220 VAC, 50 hz
ELECTRIC MOTOR STARTING POWER REQUIRED (SPR) (SPR)=(FLA) x 5 FACTOR	n/a	n/a	84 amperes, 9.6 kW @ 115 VAC 42 amperes, 4.8 kW @ 230 VAC	62 amperes, 14.3 kW @ 230 VAC 59 amperes, 13 kW @ 220 VAC
MINIMUM CIRCUIT BREAKER AMPERAGE REQUIRED	n/a	n/a	20 amperes @ 115 VAC 10 amperes @ 230 VAC	15 amperes @ 230 VAC 15 amperes @ 220 VAC
FRAME				
STRUCTURE	Unitized, welded steel plate	Unitized, welded steel plate	Unitized, welded steel plate	Unitized, welded steel plate
DRIVE SYSTEM	Dual B Series V-belt/pulley and spur gear reduction system. Engine powered units also utilize a centrifugal clutch assembly. Gears operate in a fully enclosed transmission case and are lubricated by a high temperature transmission grease formulated with an extreme pressure EP additive. The EP additive allows the grease to better cling to the gear teeth at high rotational speeds			
TRANSMISSION BEARINGS	High capacity, self aligning ball bearing units are sealed for maximum dust protection and equipped with Zerk® type fittings for field lubrication			
COUNTER-ROTATING DISCS	Two aluminum, counter-rotating, designed for direct mounting of all popular General® and EDCO® multi-accessory attachments with the PLAS-T-LOK™ plastic wedge or standard wood wedge. Rotation direction of each disc is marked for easy reference			
DISC ROTATION SPEED	250 RPM	250 RPM	250 RPM	250 RPM
DISC FLEXING SYSTEM	Twelve (six per side) Lord® type elastomeric bushings designed to flex at controlled rates and allow the multi-accessory discs to follow irregularities in the surface profile. The bushings also help prevent damage to the transmission gears and shafts in the event the multi-accessory attachment comes in direct contact with an above surface obstruction. Bushings are easily replaced in the field with simple tools			
OPERATOR HANDLE HEIGHT ADJUSTMENT	Three position to accommodate variances in operator height. Adjustment procedure requires only simple hand tools			
FRAME HEIGHT ADJUSTMENT	Three position to accommodate variances in multi-accessory attachments. Adjustment procedure requires only simple hand tools			
GENERAL				
OVERALL WIDTH (WITH PROTECTIVE BUMPER)	27 1/2" (699 mm)	27 1/2" (699 mm)	27 1/2" (699 mm)	27 1/2" (699 mm)
NORMAL OPERATOR HANDLE HEIGHT	38" (965 mm)	38" (965 mm)	38" (965 mm)	38" (965 mm)
OVERALL LENGTH	55 1/4" (1403 mm)	55 1/4" (1403 mm)	55 1/4" (1403 mm)	55 1/4" (1403 mm)
NOMINAL MULTI-ACCESSORY DISC WORKING WIDTH	24" (610 mm)	24" (610 mm)	24" (610 mm)	24" (610 mm)
WEIGHT (LESS MULTI-ACCESSORY ATTACHMENT AND SAFETY AND DUST SHIELD ASSEMBLY)	300 lbs. (136 kg)	350 lbs. (159 kg)	250 lbs. (114 kg)	260 lbs. (118 kg)

All specifications are general in nature and are not intended for specific application purposes. General Equipment Company reserves the right to make changes in design, engineering, or specifications and to add improvements or discontinue manufacture at any time without notice or obligation. Consult the applicable operator manual and support material before utilizing the product. Refer to OSHA 2207 and/or current revisions for specific safety information. Names depicted are the registered trademarks of their respective owners.