

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)	27½" (699 mm)	27½" (699 mm)	27½" (699 mm)	27½" (699 mm)
NORMAL OPERATOR HANDLE HEIGHT	38" (965 mm)	38" (965 mm)	38" (965 mm)	38" (965 mm)
OVERALL LENGTH	55¼" (1403 mm)	55¼" (1403 mm)	55¼" (1403 mm)	55¼" (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)

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