

SXP LASER SCREED SPECIFICATIONS

GENERAL

Model	SXP Laser Screed
Classification	Mobile construction equipment
Type	Laser-controlled concrete leveling and screeding machine
Manufacturer	Somero Enterprises

POWER UNIT

Manufacturer	Kubota
Engine Model	V2607-CR-T-E5B
Ignition	Diesel
Cycle	4 - Stroke
Aspiration	Turbo
Cylinders	4
Bore	87.0 mm (3.43in)
Stroke	110.0 mm (4.331in)
Displacement	2.615L (159.6 cu in)
Horsepower SAE	53.0 kw (71.1 hp) (intermittent @ 2700 rpm)
Emissions	DOC + DPF
Fuel	No. 2 diesel fuel (ASTM D975)
Cooling System	Liquid Cooled
Alternator	12 V, 120 A
Battery	12 V, 950 CCA
Control	Electronic throttle with electric shutoff control

POWER TRAIN

Type	Engine-driven hydraulic piston pump with load-sensing control
Propulsion	Hydraulic drive motors for each wheel
Propulsion Control	Hand-actuated forward and reverse electro-proportional operated hydraulic controls.
Boom Control	Hand-actuated forward and reverse pilot operated hydraulic controls.
Final Drive	Planetary gear drive hubs
Wheels	9-bolt / 241.3 mm (9.50 in) BC, Size 16.1 x W16C RIM
Tires	Armstrong Flow-Trac Lug Size 35 x 19- 16.1 NHS 12 Ply Rating Standard : Pneumatic with sealant Optional: Pneumatic (air) Optional: Polyurethane foam-filled



SXP LASER SCREED SPECIFICATIONS

STEERING

Actuation	Steering wheel
Type	Hydraulic power-assist with metering unit control
Operating Modes	2-wheel 4-wheel Crab steering

HYDRAULIC SYSTEM

Pump	Axial piston, variable displacement, load-sensing, with horse power limiting
System Pressure	207 bar (3000 psi)
Volumetric	
Flow Rate	With Kubota Engine Package: 148 Lpm (39 gpm) @ 2400 rpm
Filtration	10 Micron (ZLE 10)spin-on return-line filter 10 Micron pressure-line filter
Reservoir	90.85 L (24 Gal)
Valve Types	Cartridge valves in aluminum manifold with manual overrides on lower frame Spool valve sections for boom and steering mode selection Cartridge valves in aluminum manifold on screed head
Functions	Propulsion forward/reverse Steering left/right Stabilizers - right front Stabilizers - right rear Stabilizer - left front Stabilizer - left rear Stabilizers - one touch - all up/down Rotation (boom swing) clockwise/counterclockwise Boom extension/retraction Screed head elevation - right side Screed head elevation - left side Screed head self-leveling Screed head soft landing - delay Screed head pivot - clockwise/counterclockwise Auger - on/off - forward/reverse rotation Vibrator - on/off



SXP LASER SCREED SPECIFICATIONS

BRAKING SYSTEM

Type	Multi-friction disk wet brake - spring applied - hydraulic release
Location	internal with front and rear axle planetary gear wheel drive hubs
Actuation	Spring-applied, normally on

FLUID CAPACITIES

	Kubota V2607	
Engine Oil	10.2L	(10.75 qts) NOTE: Check the oil and verify with a dipstick before filling
Engine Coolant	17 L	(18 qts - 4.5 Gal)
Fuel Tank	90.8L	(24 Gal)
Hydraulic Reservoir	90.85 L	(24 Gal)

GENERAL DIMENSIONS

Overall Width (12.5' Head)	4.44 m	(14 ft 7 in) at screed head
	2.26 m	(7 ft 6 in) outside of tires
14.5' Head	5.02 m	(16 ft 6 in) at screed head
	2.26 m	(7 ft 6 in) outside of tires
Overall Length	5.08 m	(16 ft 8 in) driving with boom retracted (same for both heads)
	10.59 m	(34 ft 9 in) screeding with boom extended (same for both heads)
	8.64 m	(28 ft 4 in) while in transport mode (12.5' Head)
	9.30 m	(30 ft 6.2 in) while in transport mode (14.5' Head)
Overall Height	2.54 m	(8 ft 4 in) at tilted steering wheel
Ground Clearance	.28 m	(11 in) under drive knuckles
Wheel Base	1.83 m	(6 ft 0 in)
Boom Travel	6.10 m	(20 ft)
Screed Head Width	4.11 m	(13 ft 6 in) 12.5' Head
	5.02 m	(16 ft 6 in) 14.5' Head
Track	1.83 m	(6 ft 4 in)
Weight	7711Kg	(17000 lbs)

GENERAL MACHINE PERFORMANCE

Maximum Speed	5.63-6.43 km/h (3.5-4.0 mph) high range
Turning Radius	2.89 m (9 ft 6 in) outside of wheels
	0.74 m (2 ft 5 in) inside of wheels
	4.52 m (14 ft 10 in) outer driving
Screeding Area	22.30 sq.m (240 sq. ft) per full pass
Screeding Time	45 seconds per full pass

*Please Note: Specifications may change without notice.



Somero Machine Paint Details

PPG PAINT

Color	PPG Paint Code	PPG Hardener	Ratio (Paint: Hardener)
White	90052	GXH1086	4 to 1
Gray	300044	GXH1086	4 to 1
Black	100036	GXH1086	4 to 1

PPG PRIMER

Color	PPG Primer Code	PPG Catalyst	Ratio (Primer: Catalyst)
Gray Primer (White Paint)	HBE400	HBE401	1 to 1
White Primer (Gray/Black Paint)	HBE400	HBE403	1 to 1

	PPG Primer Code	PPG Hardener	Ratio (Primer: Hardener)
Wash Primer	PLC900	PLC901	1 to 1

Reducer	PPG Reducer Code	Amount
Acetone	PPG05Q30	Personal Preference

