

Technical data



AbraPlan-30

Advanced semi-automatic plane grinding machine for grinding of specimens in specimen holders up to 200 mm/8" dia. AbraPlan-30 features an automatic diamond dresser with automatic surface detection, a removal rate sensor and a transparent safety cover. Recirculation cooling tank, pump and filter, grinding stones and specimen holders are available separately.

Voltage

3 x 200 - 240 V / 50 - 60 Hz
3 x 380 - 480 V / 50 - 60 Hz

Cat. no.

06296129
06296146

Stone	Diameter Speed Motor power, continuous (S1)	356 mm / 16" 1450 rpm 4.0 kW
Specimen holder	Speed Force Max. size	150 rpm 50 - 700 N 200 mm / 8"
Dresser Process mode	Dresser modes Time Removal Removal/Time	Time, Removal 5 sec. - 10 min 0.05 - 10 mm 0.05 - 10 mm, 5 sec. - 10 min
Safety		Please refer to the Declaration of Conformity
Noise level	At idle running, at a distance of 1.0 m / 39.4" from the machine	52 dB (A)
Surrounding temperature		5 - 40 °C / 41 - 104 °F
Humidity		Non condensing 0 - 95 % RH
Supply	Voltage / frequency Power inlet Power, nominal load Compressed air inlet diameter Compressed air pressure Compressed air flow Compressed air quality	3x200-240 50/60Hz, 3x380-480 50/60Hz 3 phase (3L + PE) 4,5 kW 6 mm (1/4") 6 - 9,9 bar (87-145 psi) 30 l/min (6.6 gpm) ISO 8573-1, class 3
Software and electronics	Controls Memory LC Display	Touch pad and turn/push knob FLASH-ROM / RAM / NV-RAM TFT-colour 320x240 dots with LED back light
Recirculation unit	Optional	
Pump for recirculation	Optional	
Flow sensor for cooling water	Included	
Drain	Diameter	50 mm / 2"
Exhaust	Diameter Recommended capacity for exhaust system	50 mm (2") 1000 l/m (265 gpm)

PHYSICAL SPECIFICATIONS

Dimensions and weight	Width Depth Height closed Height open Weight	84 cm (33") 98 cm (39") 156 cm (62") 187 cm (74") 400 kg (882 lbs)
Beacon	Optional	Sound, Red/Yellow/ Green light

Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards (please contact your local supplier for details).