

SUNNEN® PRODUCTS COMPANY • 7910 MANCHESTER ROAD • ST. LOUIS, MO 63143, U.S.A. • PHONE: 314-781-2100



SPECIFICATIONS - MODEL GH-210

Basic Capacities -

I.D. Capacity: 1.0 - 12.0in. (25-304mm)
 O.D. Capacity: 18in. (457mm)
 Stroke Length: To 41ft. (12,5m) (See Chart)
 Part Length: To 40ft. (12,2m)
 Spindle Speeds: 01-230 rpm, Inf. Var.
 Stroke Speeds: 10-90 fpm (3-27 mpm), Inf. Var.
 Stone Feed Pressure: To 1000 PSI (to 68 bars)

Design Specifications

Spindle Drive System -

Spindle Fluid Motor: Piston Type, Bent Axis, Var. Disp. -
 1.45 to 6.72 CI Per Rev.,
 0-21 gpm, 3000 PSI, 25 hP Cap.
 (0-79,4 lpm, 207 bars, 18,7 kW Cap.)
 Hyd. Power: 50hP (29,9 kW), 1760 RPM,
 460V/3Ph/60Hz, ODP, Electric Mtr. (1)
 Hyd. Tank: 80 Gallon (303 L) (2)
 Spindle Reducer: Planetary Gear Type,
 5:1 Reduction, 40hP (29,9 kW) Cap.
 Spindle Pump 21 gpm (79,4 lpm),
 Var., Piston Type
 Spindle Shaft: 3.4in. Dia. Shaft With #6 Morse Tapper
 Tool Drive
 Spindle Bearings: Spherical Roller
 Options: High-Speed Spindle Drive (0-600 RPM)
 High-Speed Spindle Drive (0-700 RPM)

Stroke System -

Hyd. Pump: 25 gpm (94,6 lpm), Piston, Type, Var. Disp.
 Drive: Chain & Sprocket
 Drive: Hydraulic Cylinder (13ft Mach. ONLY)
 Hyd. Motor: Radial Piston Type
 Hyd. Power: 50hP (37,4 kW), 1760 RPM,
 230/460V,3Ph,60Hz, ODP, Elec Mtr (1)
 Hyd. Power CE: 50hP (37,4 kW), 1460 RPM,
 415V/3Ph/50Hz, ODP, Electric Mtr (1)
 Hyd. Reserv: 80 Gallon (303 L) (2)
 Speed Control: Proportional Valve - Inf. Variable

Tool Feed System -

Type: Straight Linear Thrust
 Hyd. Power: 50hP (29,9 kW), 1760 RPM,
 460V/3Ph/60Hz, ODP, Electric Mtr,
 80 Gallon (303 L) (2)
 Hyd. Feed Cyl: 1-3/4 Dia. x 2-5/8in.
 (44,5 x 67mm) Stroke
 Options: Rotary Stone Feed

Lubrication System -

Way Bearings: Auto Forced Oil
 Electric Motor: Manual (Zerk)
 Spindle Bearings: Manual (Zerk)
 Gear Reducer: Oil Bath

Coolant System -

Pump: 25 gpm (94,5 lpm), Centrifugal
 Motor: 3/4hP (0,546 kW), 3450 RPM, TEFC
 230/460V/3Ph/50Hz Electric Mtr
 Tank: External, 200 Gallon (757 L) Capacity
 Options: Filtration / Refrigeration
 Magnetic Separator
 Paperbed Filter

Design Specifications (cont'd)

Electrical System -

Standard Power: 460V/3Ph/60Hz
 Control: Programmable Controller

Dimensions/Weights -

Height: 65in. (1,7m)
 Width: 109in. (2,8mm)
 Length: To 98ft 8in. (31,1m) (See Chart)
 Spindle Centerline To Ways: 15.5in. (394mm)
 Weight: Consult Factory For Various Models

	GH2102513	GH2102515	GH2102520	GH2102525	GH2102530	GH2102541
Max. Stroke	4 M	4.6 M	6.1 M	7.6 M	9.1 M	12.5 M
Length	(13.0')	(15.0')	(20.0')	(25.0')	(30.0')	(41.0')
Machine	12,0 M	13,5 M	16,6 M	19,6 M	22,7 M	31,1 M
Length	(39' 4")	(44' 5")	(54' 5")	(64' 5")	(74' 5")	(98' 8")

Basic Construction -

Bases: Relieved Fabrication
 Spindle Carriage: Relieved Fabrication
 Carriage Ways: Bar Type, Hard., Ground
 Carriage Bearings: Aluminum Bronze
 Paint: To Customer Specification
 Options: Traveling Driveshaft Support(s)

Fixturing -

Fixtures: Two Universal Chain-Type Fixtures
 w/O.D. Capacity from 2-18in. (51-457mm)
 Options: Special Part Fixturing

Operational Features

Emergency Stops - 2 Locations
 Shields/Guards - At All Pinch Points
 Spindle Jog
 Short Stroke
 Inch-Forward/Reverse
 Digital Stroke Position Indicator
 Digital Stroke Rate Monitor
 Digital Spindle RPM Readout
 Stroking Limits (Forward/Back/Withdraw) Set At Oper. Station
 Infinitely Variable Spindle Speeds
 Open Workbed For Ease of Cleaning
 Hydraulic Oil Filtration To 10 Micron
 Hydraulic Oil Cooling - Air Type
 Front Steady Rest Shaft Support
 Front Shaft Wiper Assembly
 Tool Support Cradle And Lift For Tool Insertion and Removal
 Stone PSI Set At Operator's Station
 Digital Cycle Timer
 Spindle And Stroke Load Gauges
 Spindle Reversing
 Automatic Way Lubrication

NOTES: 1 One common Electric Motor.
 2 One common Reservoir. (larger reservoir on 30/41)

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