

Pump-Unit PS 110-E-C-75



Technical Data

Drive Electro-hydraulic
 Drive Power 30 kW
 Total Power Consumption approx. 31 kW

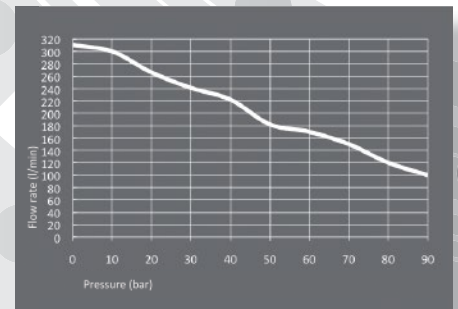
Connections Electrical CEE 63 A / 400 V AC, 50 Hz, IP 54

In-/Outlets
 Suction line 1 x Kamlok 250 MT DN 63
 Pressure line G 1 BSPP IG DN 32 - RD 55
 Circulation line G 1 BSPP IG DN 25 - RD 38

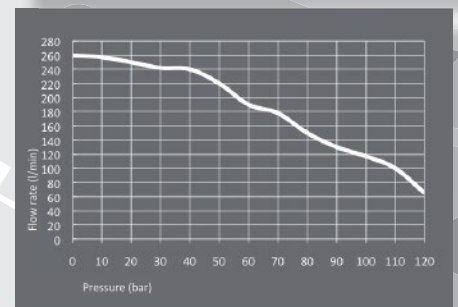
Dimensions (L x W x H) 2.270 x 740 x 2.120 (mm)
 Weight approx. 1.600 kg

Application Pumping of cement, fly ash and bentonite suspensions at anchoring, groutings, fillings, flushings, piling and vibrating jobs

Performance Delivery pump
 Pressure max. 90 bar¹⁾ [max. 1.305 psi]¹⁾
 Flow rate max. 310 l/min¹⁾ [max. 82 gal U.S.]¹⁾



RF= ring area – 75cm²



KF= piston area – 75cm²

Performance Delivery pump
 Pressure max. 120 bar¹⁾ [max. 1.740 psi]¹⁾
 Flow rate max. 270 l/min¹⁾ [max. 71 gal U.S.]¹⁾



¹⁾ Infinitely variable. Both max. performances are not simultaneously possible. 1 bar = 1 x 10⁵ N / m²
 (Status April 2013 / technical changes reserved)

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Standard Features

Framework

skid steel frame, partially enclosed and with partition panel, floor and oil pan, central towing device, fork lift guides longitudinal and transversal, machine room sound proofed, lockable doors, finishing 2K-paint RAL 5005 (signal blue) or on customer desire unicoloured

Electric Drive

electric motor 30 kW, 1.500 rpm, 400 V AC, 50 Hz, IP 54, automatic phase correction, motor safety switch, control voltage 24 V DC (for valves and remote control), operating hour meter

Hydraulic

oil tank volume 170 l [45 gal. U.S.], axial piston pump and toothed wheel pump, oil cooler with thermostat, main and control oil filter, oil filling and ventilation filter, electrical oil filter pollution control, oil level and temperature indicator, manometer for hydraulic pressure, pressure and flow infinitely variable

Delivery Pump

vertical two plunger pump \varnothing 110 mm, flow rate per double stroke $V = 4,5$ l [1,18 gal U.S.], pump valves (suction and pressure line) self-acting (ball valves), circulation and pump-down valves manually actuated, flow rate adjustment electro-proportional, automatic grease system for plunger sealing bushes and manually with plunger oil, protective grid with safety function

Delivery Pressure Measurement

Manometer 0-250 bar [3.626 psi] \varnothing 100 mm completely with stainless steel membrane

Operating Devices

rotary knob for max. delivery pressure adjustment bar [psi], rotary knob for max. flow rate adjustment l/min. [gal U.S.], flow rate counter l/min. [gal U.S.] and l/total [gal U.S./total] with zero-setting, auto pre-select counter for flow rate l/total [gal U.S./total], main switch, control lamp for control voltage and power, ON/OFF push-button for hydraulic motor and delivery pump, ON/OFF switch for remote control, AUTOMATIC START push-button for delivery pump, EMERGENCY STOP switch

Accessories (included)

operating instruction and spare part list, special tools for operation and maintenance, cable remote control 15 m and cable reel 100 m, circulation hose

Accessories (optional)

spare part kits, grouting hoses, suction hoses, fittings, grouting grippers

Supplementary Devices

mix and pump units and storing tanks for solid suspensions, dosing devices, screw conveyors, remote control up to 800 m or 3 km range, control devices, electronic data acquisition and recording, regulating and measuring systems RMS with computer evaluation per USB and injection journal, flow meter with delivery pressure measuring, electronic delivery pressure devices (pressure transmitter) at injection place, devices for radio data transmission

Further devices, special equipments and accessories on request!