

Hydraulic Power Unit - Power Tong



Profile

The Koller Hydraulic Power Unit - Power Tong is a location-independent unit which is used for supplying hydraulically-operated tongs for connecting and releasing drill pipes.

- auxiliary electric heater for hydraulic oil
- two internal hydraulic hose reels
- hydraulic oil coolers
- hydraulic control panel
- three-stage adjustment of the hydraulic volume flow



Two internal hydraulic hose reels

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Dimensions

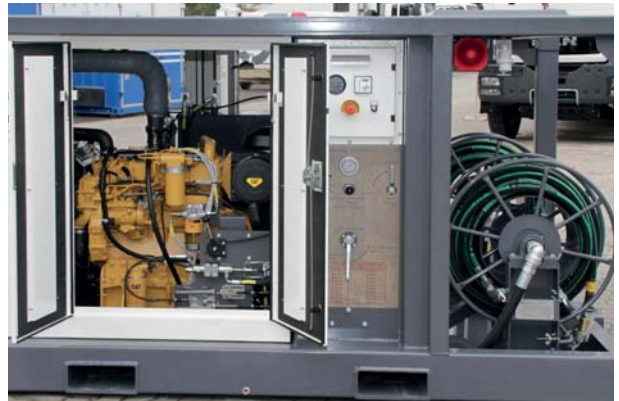
Length	3,300 mm / 10.83 ft
Width	1,980 mm / 6.5 ft
Height	1,747 mm / 5.73 ft
Net weight	3,200 kg / 7,055 lbs

Hydraulic performance data

Max. volumetric flow	192 l/min (speed dependent-refer table below)
Max. hydraulic pressure	170 bar
Hydraulic tank capacity	300 l
Length of connecting lines	20 m
Connections	quick coupling 1" + 1 1/4" Female



Diesel engine speed rpm	Volumetric flow (l/min)		
	Pump 2	Pump 1	Pump 1+2
1800	73	118	192
1700	69	111	181
1600	65	105	170
1500	61	98	160
1400	57	92	149
1300	53	85	138



Engine

Type	Caterpillar C4.4
Fuel	Diesel
Tank capacity	150 l
Rated power	70 bkW
Nominal speed	1,600 rpm
Max. permissible speed	1,800 rpm
Fulfills CO ₂ standard	U.S. EPA Tier 3, EU Stage IIIA
Noise level	85 db(A)
Ambient temperature	-20°C to +40°C

