

# TECHNICAL DATA

Pit-System	GRUNDOPIT Standard	GRUNDOPIT Power	GRUNDOPIT Shaft	GRUNDOPIT Compact
Transport position L x W x H (mm)	1130 x 480 x 480	1130 x 480 x 480	430 x 930 x 450	3200 x 1210 x 2090
Working position L x W x H (mm)	-	-	-	3345 x 1210 x 3615
Weight (kg)	260 (without rods)	260 (without rods)	ca. 250 (without work. platform)	2500
Content drill rod magazine (m)	20 (sep. box)	20 (sep. box)	20 (sep. box)	20 (standard), max. 30
Inclination angle	-	-	-	-
Pull back (kN)	40	40	40	45
Thrust (kN)	60	60	40	45
Strokes per min <sup>-1</sup>	-	<b>hammer bore head option.</b>	<b>hammer bore head option.</b>	-
Max. torque (Nm)	600	1000	1000	1000
Max. spindle speed (rpm)	66	70	70	130
Ø pilot bore (mm)	58	58	58	58
Ø drill rod (mm)	45	45	45	45
Effective rod length (mm)	500	500	500	500
Thrust speed (m/sek)	0,4	0,4	0,4	0,4
Upsizing Ø <sup>1)</sup> (mm)	≤ 150	≤ 200	≤ 150	≤ 190
Pipe ØD <sup>1)</sup> (mm)	≤ 110	≤ 160	≤ 125	≤ 160
Bore length <sup>1)</sup> (m)	≤ 50	≤ 100	≤ 50	≤ 50 (depending on soil)
Max. detection depth <sup>2)</sup> (m)	4	4	4	4
Min. bend radius (m)	26,5	26,5	26,5	26,5
Color (Standard)	blue RAL 5015	blue RAL 5015	blue RAL 5015	blue RAL 5015
Driving speed (km/h)	-	-	-	2,3
Core hole driller Ø (mm)	-	-	100 / 150	-
Working platform L x W x H (mm)	-	-	870 x 600 x 400	-
<b>Rubber tracked undercarriage</b>				
- Max. climbing capacity (%)				60
- Max. soil load (kg/cm <sup>2</sup> )				0,43
<b>Drive</b>	<b>Hydraulic unit TT-M9</b>	<b>Combined unit KA 38 Hydraulis/ Pneumatics</b>	<b>Combined unit KA 38 Hydraulis/ Pneumatics</b>	<b>Hatz 4 L41 C Silent Pack</b> on tracked undercarriage
L x W x H (mm)	1320 x 690 x 990	1780 x 1030 x 1100	1780 x 1030 x 1100	on tracked undercarriage
Weight (kg)	420	762	762	7,7 l/h
<b>Fuel consumption</b>				37 at 1800 rpm
Engine load capacity (kW)	10 at 3000 rpm	37,5 at 2800 rpm	37,5 at 2800 rpm	48,8 at 3000 rpm
Max. engine output (kW)	-	-	-	250
Max. hydraulic pressure (bar)	155	230	230	145
Oil capacity (mineral oil) l	66	30	30	145
Fuel tank (type / l)	Diesel / 22	Diesel / 50	Diesel / 50	Diesel / 55
Starter	12 V / manual start	12 V	12 V	12 V
<b>Compressed air</b>	-	1,7 m <sup>3</sup> /min. at 10 bar	1,7 m <sup>3</sup> /min. at 10 bar	-
<b>Mixing system</b>		<b>MA 09-40</b>	<b>MA 09-40</b>	<b>MA 09 C</b>
L x W x H (mm)	750 x 400 x 800	1400 x 1380 x 1540/2055 <sup>3)</sup>	1400 x 1380 x 1540/2055 <sup>3)</sup>	on tracked undercarriage
Weight empty / voll (kg)	42 / 242	370 / 1670	370 / 1670	on tracked undercarriage
Tank capacity (l)	200	1100	1100	500
Pressure range pilot bore (bar)	0 - 40	0 - 40	0 - 40	0 - 40
Pressure range pipe pulling (bar)	0 - 25	0 - 40	0 - 40	0 - 40
Max. operating pressure (bar)	60	50	50	50
Max. flow rate (l/min)	0-8 (Water/Polymer)	25	25	25
Fresh water tank (l)	-	200	200	-

<sup>1)</sup> = depending on soil type <sup>2)</sup> = depending on boring system <sup>3)</sup> height with and without fresh water tank

Subject to change! 01/2005 E

