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PRODUCT OVERVIEW

The DeltaBase 102 Anchor drill rig for double-head drilling systems, rotary / percussion operations is specially designed for the following key capabilities:

- Rock drills up to We = 850 (Nm)
- Rotary heads up to M = 2,600 (Nm)
- Double head drilling units: Rotary / Rotary, Rotary / Percussion
- Hydraulic clamping and breaking system up to max. 345 mm
- The main advantages of the DeltaBase 102 are:
- Compact design
- · Modern loadsensing hydraulic
- Highest coordination between equipment technology and drill technology

TECHNICAL SPECIFICATIONS

	METRIC SYSTEM	U.S. CUSTOMARY SYSTEM
PRIME MOVER		
Standard	DEUTZ TCD 2012 L06 2V, Tier III	
Fuel	Diesel	
Fuel Consumption	202 g/kWh	
Maximum Power	147 kW @ 2.300 rpm	197 hp @ 2,300 rpm
Electrical Circuit	24V	
Fuel Tank Capacity	260	68 gal
HYDRAULIC SYSTEM		
Pump	Variable load-sensing with torque control	
Maximum Flow, Q1	300 l/min	80 gpm
Maximum Flow, Q2	95 l/min	26 gpm
Maximun Pressure	250 bar	3,625 psi
Gear Pump		
Flow, Q3	40 l/min	10.56 gpm
Flow, Q4	25 l/min	6.6 gpm
Oil Tank Capacity	450 l	119 gal
Oil Cooler Capacity	25 kW	34 hp





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TECHNICAL SPECIFICATIONS

METRIC SYSTEM U.S. CUSTOMARY SYSTEM ROTARY UNITS up to 26 kNm up to 18,800 lb-ft **Maximum Torque** DRIFTERS up to 26 kNm up to 18,800 lb-ft **Maximum Torque DOUBLE HEAD DRILLING UNITS** up to 26 kNm up to 18,800 lb-ft **Maximum Torque UNDERCARRIAGE** B2 Crawler mounted oscillating steel tracks Туре 450 mm 18 in Pad Width +18º/-15º Oscillating 2,5 km/h 1.55 mph **Driving Speed Low Gear** 37% (~20°) Max. Grade Ability Low Gear (without added winch) **DRILL MAST AND FEED SYSTEM** With feed gear system **Drill Mast** 3,600 mm 12 ft Feed Stroke Lenght, Double Head 49 ft/min 15 m/min Feed Speed - down 50 m/min 164 ft/min Fast Feed Speed - up 50 m/min 164 ft/min Fast Feed Speed - down 100 kN 22,470 lbf **Pull Force - down** 100 kN 22,470 lbf **Pull Force - back Optional Drill Mast Feed Hydraulic Cylinder ROD CLAMPS** 220 mm 8.6 in **Maximum Diameter** from ø50 to ø220 mm from ø1.9 to ø8.6 in **Clamping Sizes** 120 kN 27,000 lbf **Maximum Holding Force** 24 kNm - 14 kNm 17,700 lb-ft - 10,300 lb-ft Break Out Torque, Maximum Torque Fixed **Clamp Jaw Style** 76, 89, 102, 108, 114, 133, (152), 178, 220 mm Centralizer Insert Size (Standard) 3, 3.5, 4, 4.25, 4.5, 5.25, (6), 7, 8.67 in

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TECHNICAL SPECIFICATIONS

254 mm 0 mm - 254 mm 196 kN 28 kNm	U.S. CUSTOMARY SYSTEM 06 dB(A) 10 in 2.4 in - 10 in 44,045 lbf 20,600 lbf-ft roting Jaws
254 mm 0 mm - 254 mm 196 kN 28 kNm Piv	10 in 2.4 in - 10 in 44,045 lbf 20,600 lbf-ft voting Jaws
254 mm 0 mm - 254 mm 196 kN 28 kNm Piv	10 in 2.4 in - 10 in 44,045 lbf 20,600 lbf-ft voting Jaws
0 mm - 254 mm 196 kN 28 kNm Piv	2.4 in - 10 in 44,045 lbf 20,600 lbf-ft roting Jaws
0 mm - 254 mm 196 kN 28 kNm Piv	2.4 in - 10 in 44,045 lbf 20,600 lbf-ft roting Jaws
0 mm - 254 mm 196 kN 28 kNm Piv	2.4 in - 10 in 44,045 lbf 20,600 lbf-ft roting Jaws
0 mm - 254 mm 196 kN 28 kNm Piv	2.4 in - 10 in 44,045 lbf 20,600 lbf-ft roting Jaws
0 mm - 254 mm 196 kN 28 kNm Piv	2.4 in - 10 in 44,045 lbf 20,600 lbf-ft roting Jaws
196 kN 28 kNm Piv	44,045 lbf 20,600 lbf-ft roting Jaws
28 kNm Piv	20,600 lbf-ft roting Jaws
Piv	roting Jaws
345 mm	
345 mm	
345 mm	
	13.6 in
0 mm - 345 mm	2.4 in - 13.6 in
196 kN	44,000 lbf
36 kNm	26,500 lbf-ft
Pivoting Jaws	
	·
305 mm	12 in
0 mm - 305 mm	1.9 in - 12 in
235 kN	52,800 lbf
0 kNm - 26 kNm	29,500 lbf-ft - 19,000 lbf-ft
Fixed	
76, 89, 102, 108, 114, 133, (152), 178, 220, 254, 305 mm	
3, 3.5, 4, 4.25, 4.5, 5.25, (6), 7, 8.67, 10.4, 12, 13.6 in	
	305 mm 0 mm - 305 mm 235 kN 0 kNm - 26 kNm 6, 89, 102, 108, 114, 13



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TECHNICAL SPECIFICATIONS

Г	METRIC SYSTEM	U.S. CUSTOMARY SYSTEM
	METRIC STSTEM	0.3. COSTOMART STSTEM
WATER PUMP	Gamma Pu	mn 202 TS
Pump type		•
Flow	200 l/min	52 gpm
Pressure	55 bar	800 psi
Suction hose connection on rig	1½" G female	
Pump type	Gamma Pu	•
Flow	100 l/min	26 gpm
Pressure	50 bar	725 bar
Suction hose connection on rig	1½" G female	
Pump type	Gamma Pump 62 CC	
Flow	60 l/min	16 gpm
Pressure	50 bar	725 psi
Suction hose connection on rig	1½" G female	
WINCH AND CAT HEAD		
Winch type	PL2	
Maximum pull on inner layer	9 kN	2,000 lbf
Line speed	50 m/min	164 ft/min
Cable diameter	8 mm	0.31 in
Cable length	40 m	131 ft
Winch Cat Head Pully System	Fixed position	
Optional	Manually Rotation +/- 45°	
Winch Cat Head Pully System		
Winch type	BG6	
Maximum pull on inner layer	20 kN	4,400 lbf
Line speed	40 m/min	131 ft/min
Cable diameter	11 mm	0.4 in
Cable length	35 m	115 ft



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TECHNICAL SPECIFICATIONS

	7,800 lbf 115 ft/min 0.5 in 164 ft ed copic and Rotation
35 kN 35 m/min 13 mm 50 m Fixe All winches: Telesc +/- 4 400 mm	7,800 lbf 115 ft/min 0.5 in 164 ft ed copic and Rotation 45° 15.7 in
35 m/min 13 mm 50 m Fixe All winches: Telesc +/- 4 400 mm nbination with hydraulic cath	115 ft/min 0.5 in 164 ft ed copic and Rotation 45° 15.7 in
13 mm 50 m Fixe All winches: Telesc +/- 4 400 mm nbination with hydraulic cath	0.5 in 164 ft ed copic and Rotation 45° 15.7 in
50 m Fixe All winches: Telesc +/- 4 400 mm nbination with hydraulic cath	164 ft ed copic and Rotation 45° 15.7 in
Fixe All winches: Telesc +/- 4 400 mm nbination with hydraulic cath	ed copic and Rotation 45° 15.7 in
All winches: Telesc +/- 400 mm nbination with hydraulic cath	copic and Rotation 45° 15.7 in
+/- 400 mm	45° 15.7 in
400 mm nbination with hydraulic cath	15.7 in
nbination with hydraulic cath	
	nead by lifting magnet and key
T T	
20	5.3 gal
25 bar	363 psi
Dynaset HPW 200 / 30	
30 l/min	7.9 gpm
200 bar	2,900 psi
2,7 mto	19,500 lb-ft
5.700 mm	18.7 ft
	ns below -15º C (5º F)
For operating condition	
For operating condition	
For operating condition	

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DIMENSIONS AND WEIGHTS*

WEIGHT		
Dry Weight = 15.400 kg (33,950 lb)	Consisting of: DEUTZ TCD 2012 L06 2V power unit group 6 cylinder Hydraulic module 24 V DC electrical system Variable piston pump with load sensing and torque control Clamping and breaking device for max. ø220 mm casing Rotary head / hydraulic drifter / double head drilling unit	
Climbing capacity, without add. winch	Crawler	
Grade ability 37%, approx. 20º	Electric operator controls Towing coupling on rig end	
MEASUREMENTS		
Lenght = 7170 mm		
Height (transport pos.) Max.= 2710 mm		
Width = 2280 mm	7,170 mm	
	(282.2 in)	
	2,710 mm (106.7 in)	
	2,280 mm (89.8 in) 450 mm (17.7 in)	

* Dimensions and weights may vary depending on options and should be checked before starting an operation.

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