



TECHNICAL SPECIFICATION

44000 L

General technical specification for installation

N. DT21013
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 Rev. 0
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 Date
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BASIC CRANE TECHNICAL SPECIFICATION

EXTENSION VERSION		1S (*6)	2S	3S	4S (*6)	5S (*6)
Maximum lifting moment (*1)	kNm	421	399	387		
	kgm	42944	40712	39520		
Maximum lift with first boom @		9°				
DIN 15018 (EN 12999) classification		H1-B3 (lifting by hook)				
Maximum dynamic moment (*2)	kNm	556.7				
Maximum force at any holding down bolt	daN	26400				
Maximum vertical load on base	daN	18000				
Slewing moment	kNm	Standard system version (std): 48 High-Powered slewing system (optional): 62				
Slewing angle	std	650°				
Noise level at the controlbank (*3)	dB (A)	< 70				
Vibrations at the controlbank (*4)		0				
Max moment limiter error (D) [EN12999]		8 + 0,5 R (max 20%)				

Hydraulic features

Max oil delivery to controlbank	l/min	50				
Max pressure to controlbank	Mpa	29.5				
Min required power	kW	29				
Minimum oil tank capacity	l	250				

Electric data

Input voltage	V	24 DC				
Max absorbed current	A	5				

WEIGHTS AND CENTRES OF GRAVITY

Weight of standard crane (*7)	kg (*5)	3870	4312	4585		
Fix and movable part weight	kg (*5)	See sheet "weights and CofG"				
Crane CofG coordinates (fixed and moving part)	mm					

DIMENSIONS

Overall dimensions	mm	See sheet "overall dimensions"				
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FIXING KIT (2107270)

Number of tie rods fastening crane to base		8				
Tie rods diameter	mm	M36 x 3 l = 350				
Number of nuts		16				
Number of washers		16				
Number of spacers h = 100 mm (*8)		8				
Tightening torque	Nm	800				

NOTES

(*1) [EN12999-Annex M] $M = (P R)$

(*2) [EN12999-Annex M] $M_{dyn} = (\rho_2 P R + \rho_1 G_b X_g)$

(*3) Excluding the noise from the pump of power unit.

(*4) With the exception for induced vibrations. (*5) Weights $\pm 2\%$. (*6) Version available on request.

(*7) Winch kits not included. (*8) The use of spacers is dependant on the deck seating plate height.

The figures for liftable loads and outreaches may be found in the load diagrams. The outreaches indicated in the diagrams are theoretical and do not consider boom flexing ($\pm 2\%$ horizontally).

Technical modifications may change the stated data.



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OPTIONAL / ACCESSORIES

	EXTENSION VERSION	1S (*1)	2S	3S	4S (*1)	5S (*1)
Basic crane hook						
Max SWL	t			11.5		
Weight	kg			8.5		
Hook shackle						
Max SWL	t			12		
Weight	kg			5.5		
Securing pin diameter	mm			35		
Operator platform						
Operator platform (weight increase)	kg			50		

EQUIPMENT

	EXTENSION VERSION	1S (*1)	2S	3S	4S (*1)	5S (*1)
Basic crane extensions						
First manual extension: weight	kg			168		
Second manual extension: weight	kg			145		
Diameter of extension securing pin	mm					
Hook: max SWL	t			11.5		
Hook: weight	kg			8.5		
Shackle: max SWL	t			12		
Shackle: weight	kg			5.5		
Shackle: securing pin diameter	mm			35		
DIN 15018 (EN 12999) classification				H1-B3 (lifting by hook)		
Winch						
Winch kit (weight increase)	kg					

NOTES

(*1) Version available on request.

Weights \pm 2%.

The figures for liftable loads and outreaches may be found in the loading diagrams. The outreaches indicated in the diagrams are theoretical and do not consider boom flexing (\pm 2% horizontally).

Technical modifications may change the stated data.