



TECHNICAL SPECIFICATION

440M

General technical specification for installation

N. DT2N061
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 Rev. 2
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BASIC CRANE TECHNICAL SPECIFICATION

EXTENSION VERSION		2S (*6)	3S	4S	6S	8S	
Maximum lifting moment (*1)	kNm	379	369.8	363.5	351.7	347.8	
	kgm	38676	37712	37066	35860	34585	
Maximum lift with first boom @		20°					
EN 12999 (DIN 15018) classification		HC1-S1 (H1-B3) (lifting by hook)					
Maximum dynamic moment (*2) on base, due to the mass weight of the crane, to the lifted rated loads and inertial forces	kNm	492	497	495	499	503	
Maximum force at any holding down bolt	daN	34765					
Maximum vertical load on base	daN	24100	23100	21100	20850	19950	
Slewing moment	kNm	45					
Slewing angle	std	500°					
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	60					
Max pressure to controlbank	Mpa	30					
Min / max required power	kW	36					
Minimum oil tank capacity	l	300					

Electric data

Input voltage	V	24 DC					
Max absorbed current	A	5					

WEIGHTS AND CENTRES OF GRAVITY

Weight of standard crane (*7)	kg (*5)	3565	3825	4025	4430	4845	
Weight of controlbank	kg (*5)	115					
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 (2N07010)

Number of tie rods fastening crane to base		8					
Tie rods diameter	mm	M42 x 3 l = 420					
Number of nuts		32					
Number of spacers h = 40 mm (*8)		24					
Tightening torque	Nm	1100					

NOTES

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

(*2) [EN12999-Annex M] $M_{dyn} = (\varphi_2 P R + \varphi_1 G_b X_g)$

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

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

(*7) Controlbank and 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	2S (*1)	3S	4S	6S	8S
Basic crane hook						
Max SWL	t			11,5		
Weight	kg			15		
Securing pin diameter	mm			35		

EQUIPMENT

	EXTENSION VERSION	2S (*1)	3S	4S	6S	8S
Basic crane extensions						
First manual extension: weight	kg					
Second manual extension: weight	kg					
Third manual extension: weight	kg					
Diameter of extension securing pin	mm					
Hook: max SWL	t					
Hook: weight	kg					
Hook: securing pin diameter	mm					
EN 12999 (DIN 15018) classification						HC1-S1 (H1-B3) (lifting by hook)

Winch

Winch kit (weight increase)	kg					
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NOTES

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Weights \pm 5%.

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