TECHNICAL SPECIFICATION

1405

General technical specification for installation

N.	DT2P048GB
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Rev.	1
Data Date	09.01.13
Prep.	(UTD) T. Ceccardi

BASIC CRANE TECHNICAL SPECIFICATION

EXTENSION VERSION		4S (*6)	6S	7S	8S	9S	
Maximum lifting moment (*1)	kNm	981	948	934	933	930	
	kgm	100000	96600	95190	95135	94775	
Maximum lifting angle with first boom		20°					
EN 12999 (DIN 15018) classification		HC1-S1-D5 (H1-B3) (lifting by hook)					
Maximum dynamic moment (*2)	kNm	1258	1268	1270	1270	1264	
Slewing moment	kNm	100					
Max. slope of whole unit with horizontal crane (slewing capacity)		5°					
Slewing angle	std	Continuous slewing					
Stabilizer extension	mm	10102					
Reaction on stabilizer (Heel 5°)	daN	28000					
Maximum permissible pressure in the cylinder foot	MPa	18					
Aerial noise at the control post (*3)	dB (A)	< 70					
Vibrations at the control post		(*4)					
Max moment limiter error (D) [EN12999]		8 + 0,5 R (max 20%)					
Hydraulic features							
Max oil delivery to controlbank	l/min	200					
Max pressure to controlbank	MPa	37					
Min required power	kW	124					
Oil tank capacity	l	350					
Electric data							
Input voltage (std / optional)	V	24 / 12 c.c.					
Max absorbed current	A	7.5					
WEIGHTS AND BARYCENTRES							
Weight of standard crane without oil tank	kg (*5)	10075	18010	11160	11460	11780	
Tank + oil fill weight (320kg)	kg (*5)	410					
Fix and movable part weight	kg (*5)	See sheet "weights and barycentres"					
Crane barycentre coordinates, in transport configuration (fixed and moving part)	mm						
DIMENSIONS							
Overall dimensions	mm	See sheet "overall dimensions"					

NOTES

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

(*2) [EN12999-Annex M] Mdyn = (φ_2 P R + φ_1 Gb Xb)

(*3) It may be >70 dB (A) when the crane is installed; this depends on the noise from the pump and the vehicle engine.

(*4) Depends on the type of vehicle. (*5) Weights ± 2%. (*6) Basic version available on request.

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 (± 2% horizontally).

Technical modifications may change the stated data.

OPTIONAL / ACCESSORIES

EXTENSION VERSION		4S (*1)	6S	7S	8S	9S	
Basic crane hook							
Max capacity	t	30					
Weight	kg	65					
Holding pin diameter	mm	50					
Supplementary controls							
1 control + hoses for hose gathering device feeding	kg	20					
Hose gathering device for 1 control	kg		130	145	160	100	
Hose reel for 1 control	kg						
2 controls + hoses for hose gathering device feeding	Kg	40					
Hose gathering device for 2 controls	kg		180	205	225	180	
Hose reel for 2 controls	kg						
More							
Hydraulic slewing device	kg	10(n°1) – 20(n°2)					
Extension locking pin diameter (when necessary)	mm		28	28	28	28	

NOTES

(*1) Basic version available on request.

Weights ± 2%.

Technical modifications may change the stated data.

EQUIPMENT

EXTENSION VERSION		4S (*1)	6S	7S	8S	9S	
Basic crane extensions							
First manual extension: weight	kg						
Second manual extension: weight	kg						
Third manual extension: weight	kg						
Diameter of extension holding pin	mm						
Hook: max. capacity	t						
Hook: weight	kg						
Hook: holding pin diameter	mm						
EN 12999 (DIN 15018) classification		HC1-S1-D5 (H1-B3) (lifting by hook)					
Fly–jib, "LIGHT" model	model			JIB140C	JIB140C	JIB140C	
6S Version: weight	kg			1250	1100	1100	
First manual extension: weight	kg			37	37	37	
Second manual extension: weight	kg			33	33	33	
Diameter of knuckle-boom holding pin	mm			28	55	55/50	
Diameter of knuckle-boom locked ext. pin (when necessary)	mm	20					
Extension holding pin diameter after fly-jib	mm	22					
Hook: max. capacity	t			8	8	8	
Hook: weight	kg			7	7	7	
Hook: diameter of the holding pin	mm			25	25	25	
EN 12999 (DIN 15018) classification		HC1-S1-D5 (H1-B3) (lifting by hook)					
Fly–jib, "HEAVY DUTY" model	model		JIB260D	JIB260D	JIB260D	JIB260D	
4S Version: weight	kg		1410	1410	1260	1260	
First manual extension: weight	kg						
Second manual extension: weight	kg						
6S Version: weight	kg		1660	1660	1510	1510	
First manual extension: weight	kg		57	57	57	57	
Second manual extension: weight	kg		38	38	38	38	
Diameter of knuckle-boom holding pin	mm		28	28	55	55/50	
Diameter of knuckle-boom locked ext. pin (when necessary)	mm	20					
Extension holding pin diameter after fly-jib	mm	25					
Hook: max. capacity	t		11.5	11.5	11.5	11.5	
Hook: weight	kg		15	15	15	15	
Hook: diameter of the holding pin	mm		35	35	35	35	
EN 12999 (DIN 15018) classification		HC1-S1-D5 (H1-B3) (lifting by hook)					

NOTES

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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 (± 2% horizontally).

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TECHNICAL SPECIFICATION

1405 Cros-Stab

General technical specification for installation

N.	DT2P047GB
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Rev.	1
Data Date	09.01.13
Prep.	(UTD) T. Ceccardi

BASIC CRANE TECHNICAL SPECIFICATION

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Maximum lifting moment (*1)	kNm	981	948	934	933	930	
	kgm	100000	96600	95190	95135	94775	
Maximum lifting angle with first boom		20°					
EN 12999 (DIN 15018) classification		HC1-S1-HD5 (H1-B3) (lifting by hook)					
Maximum dynamic moment (*2)	kNm	1258	1268	1270	1270	1264	
Slewing moment	kNm	100					
Max. slope of whole unit with horizontal crane (slewing capacity)		5°					
Slewing angle	std	Continuous slewing					
Stabilizer extension	mm	8612 / 9508					
Reaction on stabilizer (Heel 5°)	daN	28000					
Maximum permissible pressure in the cylinder foot	MPa	18					
Aerial noise at the control post (*3)	dB (A)	< 70					
Vibrations at the control post		(*4)					
Max moment limiter error (D) [EN12999]		8 + 0,5 R (max 20%)					
Hydraulic features							
Max oil delivery to controlbank	l/min	200					
Max pressure to controlbank	MPa	37					
Min required power	kW	124					
Oil tank capacity	l	350					
Electric data							
Input voltage (std / optional)	V	24 / 12 c.c.					
Max absorbed current	A	7.5					
WEIGHTS AND BARYCENTRES							
Weight of standard crane without oil tank	kg (*5)	10405	11140	11490	11790	12110	
Tank + oil fill weight (320kg)	kg (*5)	410					
Fix and movable part weight	kg (*5)	See sheet "weights and barycentres"					
Crane barycentre coordinates, in transport configuration (fixed and moving part)	mm						
DIMENSIONS							
Overall dimensions	mm	See sheet "overall dimensions"					

NOTES

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

(*2) [EN12999-Annex M] Mdyn = (φ_2 P R + φ_1 Gb Xb)

(*3) It may be >70 dB (A) when the crane is installed; this depends on the noise from the pump and the vehicle engine.

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OPTIONAL / ACCESSORIES

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Basic crane hook							
Max capacity	t	30					
Weight	kg	65					
Holding pin diameter	mm	50					
Supplementary controls							
1 control + hoses for hose gathering device feeding	kg	20					
Hose gathering device for 1 control	kg		130	145	160	100	
Hose reel for 1 control	kg						
2 controls + hoses for hose gathering device feeding	Kg	40					
Hose gathering device for 2 controls	kg		180	205	225	180	
Hose reel for 2 controls	kg						
More							
Hydraulic slewing device	kg	10(n°1) – 20(n°2)					
Extension locking pin diameter (when necessary)	mm		28	28	28	28	

NOTES

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Weights ± 2%.

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TECHNICAL SPECIFICATION

1405 Cros-Stab

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EQUIPMENT

EXTENSION VERSION		4S (*1)	6S	7S	8S	9S	
Basic crane extensions							
First manual extension: weight	kg						
Second manual extension: weight	kg						
Third manual extension: weight	kg						
Diameter of extension holding pin	mm						
Hook: max. capacity	t						
Hook: weight	kg						
Hook: holding pin diameter	mm						
EN 12999 (DIN 15018) classification		HC1-S1-HD5 (H1-B3) (lifting by hook)					
Fly–jib, "LIGHT" model	model			JIB140C	JIB140C	JIB140C	
6S Version: weight	kg			1250	1100	1100	
First manual extension: weight	kg			37	37	37	
Second manual extension: weight	kg			33	33	33	
Diameter of knuckle-boom holding pin	mm			28	55	55/50	
Diameter of knuckle-boom locked ext. pin (when necessary)	mm	20					
Extension holding pin diameter after fly-jib	mm	22					
Hook: max. capacity	t			8	8	8	
Hook: weight	kg			7	7	7	
Hook: diameter of the holding pin	mm			25	25	25	
EN 12999 (DIN 15018) classification		HC1-S1-HD5 (H1-B3) (lifting by hook)					
Fly–jib, "HEAVY DUTY" model	model		JIB260D	JIB260D	JIB260D	JIB260D	
4S Version: weight	kg		1410	1410	1260	1260	
First manual extension: weight	kg						
Second manual extension: weight	kg						
6S Version: weight	kg		1660	1660	1510	1510	
First manual extension: weight	kg		57	57	57	57	
Second manual extension: weight	kg		38	38	38	38	
Diameter of knuckle-boom holding pin	mm		28	28	55	55/50	
Diameter of knuckle-boom locked ext. pin (when necessary)	mm	20					
Extension holding pin diameter after fly-jib	mm	25					
Hook: max. capacity	t		11.5	11.5	11.5	11.5	
Hook: weight	kg		15	15	15	15	
Hook: diameter of the holding pin	mm		35	35	35	35	
EN 12999 (DIN 15018) classification		HC1-S1-HD5 (H1-B3) (lifting by hook)					

NOTES

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