Technical sheet:

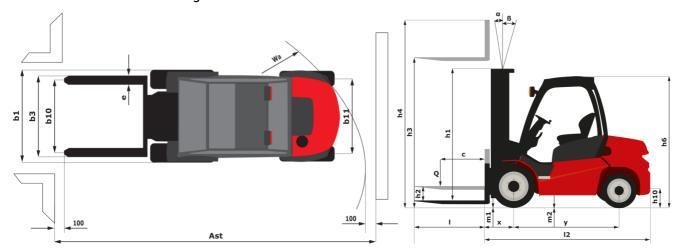
## **MSI-X 25**





Engine         Company           7.1         Engine brand / model         Kubota / V2403           7.2         Engine power according to ISO 1585         36 kW           7.3         Rated speed         2700 rpm			MSI-X 25 (	MSI-X 25 Greated on May 3, 2024 at 7.31.43 PM 010			
Medical Name		Technical characteristics		Metric			
	1.1	Manufacturer		Manitou			
1.5   Max. capacity   Q   2500 kg     1.6   Load center of gravity   C   C   500 mm     1.8   Load distance, center of drive asle to fark   X   671 mm     1.9   Wheebase   Y   1900 mm     1.0   Wheebase   Y   1900 mm     2.1   Service weight   S875 kg     2.2   Weight on firet asle (Unisiden)   S875 kg     2.3   Weight on firet asle (Unisiden)   Faur asle (Unisiden)     2.1   The type   S875 kg   S875 kg     2.2   Weight on firet asle (Unisiden) / Faur asle (Unisiden)     2.3   Weight on firet asle (Unisiden) / Faur asle (Unisiden)     2.4   Weight on firet asle (Unisiden) / Faur asle (Unisiden)     2.5   Weight on firet asle (Unisiden) / Faur asle (Unisiden)     2.5   Weight on firet asle (Unisiden) / Faur asle (Unisiden)     2.5   Weight on firet asle (Unisiden) / Faur asle (Unisiden)     2.6   Universities   S875 kg   Z824 kg     2.7   Weight on firet asle (Unisiden) / Faur asle (Unisiden)     2.8   Universities   S875 kg   Z824 kg     2.8   Universities   S875 kg   Z824 kg     2.9   Universities   S875 kg   Z824 kg     2.9   Universities   S875 kg   Z824 kg     2.0   Universiti	1.2	Model Name		MSI-X_25			
Max. capacity	1.3	Power source		Diesel			
Max. capacity	1.4	Operator type		Seated			
Laad distance, centre of drive axile to fook	1.5	Max. capacity	Q	2500 kg			
1.9   Wheelbare   Yes   1900 mm   Yes   1900 mm   Yes   1900 mm   Yes   Yes   1900 mm   Yes			C	-			
New Person		. ,					
Seric   Seri							
	2.1	•		3875 kg			
Weight on Front axie (Unladen) / rear axie (Unladen)		-		*			
3.1         Tires type         Indisable           3.2         Dimensions of rear wheels         70.01/21/25 PPUs)           3.5         Number of front wheels / rear wheels         2 / 2           3.5.2         Number of front wheels / rear wheels         2 / 2           3.5.2         Front wheel gauge         b10         10.44 mm           3.7         Rear wheel gauge         b10         10.44 mm           4.7         Height of lovehead guard (cabin)         b6         2095 mm           4.7         Height of lovehead guard (cabin)         b6         2095 mm           4.8         Seat height/stand height         h7         972 mm           4.9         Uverall length         l1         4193 mm           4.0         Length to face of forks         l2         3043 mm           4.1         Overall keight         b1         1330 mm           4.2         Fork certages (S0 228 (class/from) A/B         s / e / it         40 mm x 122 mm x 1150 mm           4.2         Fork certages (S0 228 (class/from) A/B         s / e / it         40 mm x 122 mm x 1150 mm           4.2         Fork certages (S0 228 (class/from) A/B         y         2 / 238 mm           4.3         Gound clearance beten med wheelbase         m2         2 /	2.0	2 , , , , , ,		1000 kg / 2042 kg			
3.2         Dimensions of front wheels         30015/18 of EAS           3.3         Dimensions of rear wheels         2 / 2           5.5         Number of front wheels         2 / 2           5.5.2         Number of dire wheels         2 / 2           3.6         First wheel gauge         b10         1044 mm           3.7         Rear wheel gauge         b11         1108 mm           4.7         Highly of owerhaed guard (cabin)         h6         2005 mm           4.8         Seat height/stand height         h7         972 mm           4.9         Overall length         h7         972 mm           4.1         Overall length         b1         1330 mm           4.2.1         Overall length         b1         3330 mm           4.2.1         Overall length         5 / 6 / 4         40 mm x 122 mm x 1150 mm           4.2.2         Fork sections/ width / length         5 / 6 / 4         40 mm x 122 mm x 1150 mm           4.2.2         Fork sections/ width / length         5 / 6 / 4         40 mm x 122 mm x 1150 mm           4.3.1         Ground clearance at centre of wheelbase         m2         2.328 mm           4.3.2         Fork camage width         Wa         2.620 mm           5.2	2 1			Inflatable			
3.3         Dimensions of rear wheels         7.00-12/12 ED PLUS           3.5         Number of front wheels / rear wheels         2 / 2           3.5         Pontwheel gauge         b10         1044 mm           3.6         Font wheel gauge         b10         1044 mm           3.7         Rear wheel gauge         b10         1044 mm           4.7         Height of owhead guard (cabin)         h6         2095 mm           4.7         Height of owhead guard (cabin)         h6         2095 mm           4.8         Sact height/stank height         h7         9.72 mm           4.9         Overall length         11         4.193 mm           4.20         Length of sace of forks         12         3045 mm           4.21         Overall width         length         1         40 mm x 122 mm x 1150 mm           4.22         Fork sacetion / width / length         s / e/1         40 mm x 122 mm x 1150 mm           4.23         Fork cardiage W323 class/form) A/B         s / e/1         40 mm x 122 mm x 1150 mm           4.24         Fork cardiage width         p / e/1         40 mm x 122 mm x 1150 mm           4.31         Ground clearance act centre of wheelbase         m2         238 mm           4.32         Asia W							
3.5.1         Number of front wheels / rear wheels         2 / 2           3.5.2         Number of dive wheels         2           3.6         Fort wheel gauge         b10         1044 mm           3.7         Rear wheel gauge         b11         1108 mm           4.7         Height of overhead guard (cabin)         h6         2095 mm           4.8         Seat height/stand height         h7         972 mm           4.9         Overall length         11         4193 mm           4.20         Length of face of forks         12         3043 mm           4.21         Overall width         b1         1330 mm           4.22         Fork carriage ISO 2328 (class/form) A/B         2A         2A           4.24         Fork carriage Width         b1         2A         2A           4.24         Fork carriage width         b3         17260 mm         2A           4.24         Fork carriage width         b3         17260 mm         4           4.31         Ground clearance at centre of wheelbase         m2         238 mm           4.32         Ground clearance at centre of wheelbase         m2         238 mm           4.33         Alsie Width for pallets 1000 x 1200 crossways         Ast							
3.5.2         Number of drive wheels         2           3.6         From wheel gauge         b10         1044 mm           3.7         Rear wheel gauge         b11         1108 mm           4.7         Height of onethead guard (cabin)         h6         2095 mm           4.8         Seat height/stand height         h7         972 mm           4.9         Overall length         11         4193 mm           4.19         Overall width         12         3043 mm           4.20         Length to face of forks         12         3043 mm           4.21         Overall width         1         1 330 mm           4.22         Fork section / width / length         s / e / I         40 mm x 122 mm x 1150 mm           4.21         Overall width         s / e / I         40 mm x 122 mm x 1150 mm           4.22         Fork carriage width         s / e / I         40 mm x 122 mm x 1150 mm           4.23         Good call carance below mast         m1         260 mm           4.31         Good carleage width         m2         2 238 mm           4.32         Good calleage width         m2         2 238 mm           4.33         Aise Width for pallets 1000 x 1200 crossways         Ast         4 55 mm							
3.6         Front wheel gauge         b10         1044 mm           3.7         Rear wheel gauge         b11         1108 mm           4.7         Height of ownead goard (cabin)         b6         2095 mm           4.8         Seat height/stand height         h7         972 mm           4.9         Overall length         l1         4193 mm           4.0         Length to face of forks         l2         3043 mm           4.2         Length to face of forks         l2         3043 mm           4.2         Overall width         b1         1330 mm           4.2         Fork section / width / length         s/e/1         40 mm x 122 mm x 1150 mm           4.2         Fork carriage lSQ 2228 (class/form) A/B         2         2A           4.2         Fork carriage width         m1         260 mm           4.3         Ground clearance below mast         m1         260 mm           4.3         A Isle Width for pallets 1000 x 1200 crossways         Ast         4591 mm           4.3         Tuming radius         Ma         2620 mm           4.5         Tuming radius         Ma         2620 mm           5.1         Text speed (laden / unladen)         M8         2620 mm							
3.7         Rear wheel gauge         bill         1108 mm           Comessions         Comession         Comession           4.8         Seat height/sand height         h6         2005 mm           4.8         Seat height/sand height         h7         972 mm           4.9         Overall length         11         4193 mm           4.0         Cheally to face of forks         12         3043 mm           4.21         Overall width         b1         1330 mm           4.22         Fork seation / width / length         51         40 mm x 122 mm x 1150 mm           4.23         Fork carsige width         53         1260 mm           4.24         Fork carsige width         53         1260 mm           4.31         Ground clearance at center of wheelbase         m2         28 mm           4.32         Ground clearance at center of wheelbase         m2         28 mm           4.35         Aiste Width for pallets 1000 x 1200 crossways         Ast         45 mm           5.1         Tuming radius         Wa         262 mm           5.2         Liffun speed (laden / unladen)         Wa         262 mm           5.2         Liffun speed (laden / unladen)         5.0         5.0 m/s-3.3 m/s <td></td> <td></td> <td>h10</td> <td></td>			h10				
4.7         Height of owehad guard (cabin)         h6         2095 mm           4.8         Sea height/stand height         h7         972 mm           4.9         Verall length         h1         4193 mm           4.20         Length to face of forks         12         3043 mm           4.21         Overall width         b1         1330 mm           4.22         Fork section / width / length         s / e/1         40 mm x 120 mm x 1150 mm           4.23         Fork cardiage Width         b3         1260 mm           4.24         Fork cardiage width         b3         1260 mm           4.23         Fork cardiage width         b3         1260 mm           4.24         Fork cardiage width         b3         1260 mm           4.25         Ground clearance at centre of wheelbase         m2         238 mm           4.24         Fork cardiage width for pallets 1000 x 1200 crossways         Ast         4591 mm           4.25         Ground clearance at centre of wheelbase         m2         158 mm/-22 km/h           4.25         Ground clearance below mast         m2         158 km/h-22 km/h           4.25         Ground clearance below mast         m2         158 km/h-22 km/h           5.1         Tayer	3./		DII	1108 mm			
4.8         Seat height/stand height         h7         972 mm           4.19         Overall length         11         4.193 mm           4.20         Length of face of forks         12         3.043 mm           4.21         Overall width         bit         1330 mm           4.22         Fork cardiage ISO 2328 (class/form) A/B         5 / e / l         40 mm x 122 mm x 1150 mm           4.23         Fork cardiage width         53         1260 mm           4.31         Ground clearance below mast         m1         260 mm           4.32         Ground clearance at centre of wheelbase         m2         238 mm           4.33         Alsie Width for pallets 1000 x 1200 crossways         M8         2620 mm           4.35         Tuming radius         M9         2620 mm           4.35         Tuming radius         M8         2620 mm           5.1         Travel speed (laden / unladen)         M8         2620 mm           5.2         Tuming radius         M8         2620 mm           5.5         Toxable speed (laden / unladen)         M9         2620 mm           5.5         Drawbar pull (Laden / Unladen)         M9         20.50 m/s-0.30 m/s           5.1         Service brake         M9	4.7		1.6	0005			
4.19         Overall length         I1         4193 mm           4.20         Length to face of forks         12         3043 mm           4.21         Overall width         b1         1 330 mm           4.22         Fork section / width / length         s / e / I         40 mm x 122 mm x 1150 mm           4.23         Fork carriage Width         b3         1 260 mm           4.24         Fork carriage Width         b3         1 260 mm           4.31         Ground clearance below mast         m1         2 20 mm           4.32         Ground clearance at centre of wheelbase         m2         2 338 mm           4.33         A isle Width for pallets 1000 x 1200 crossways         Ast         4591 mm           4.35         Tuming radius         Wa         2 620 mm           8.1         Travel speed (laden / unladen)         Wa         2 620 mm           5.1         Travel speed (laden / unladen)         0.50 m/s -0.50 m/s           5.2         Lifting speed (laden / unladen)         0.50 m/s -0.50 m/s           5.5         Drawbar pull (Laden / Unladen)         9.05 m/s -0.30 m/s           5.5         Drawbar pull (Laden / Unladen)         8.0 m/s -0.30 m/s           5.7         Gradeability (laden / unladen)         8.0 m/s -0.5							
		· · · ·					
4.21         Overall width         b1         1330 mm           4.22         Fork scarcion / width / length         s / e / I         40 mm x 122 mm x 1150 mm           4.23         Fork carriage ISQ 2328 (class/form) A/B         3         1260 mm           4.24         Fork carriage width         53         1260 mm           4.31         Ground clearance below mast         m1         260 mm           4.32         Ground clearance at centre of wheelbase         m2         238 mm           4.33         Aisle Width for palled 1000 x 1200 crossways         Ast         4591 mm           4.35         Tuming radius         Wa         2620 mm           5.1         Tawel speed (laden / unladen)         Wa         2620 mm           5.2         Lifting speed (laden / unladen)         Wa         0.50 m/s-0.50 m/s           5.2         Lifting speed (laden / unladen)         For Ward (laden / unladen)         Postbar pull (Laden / unladen)         For Ward (laden / unladen)         Postbar pull (laden / unladen)<							
4.22         Forks section / width / length         s / e / l         40 mm x 122 mm x 1150 mm           4.23         Fork carriage ISO 2328 (class/fom) A/B         b3         1260 mm           4.24         Fork carriage width         m1         260 mm           4.31         Ground clearance at centre of wheelbase         m2         238 mm           4.32         Aisle Width for pallets 1000 x 1200 crossways         Ast         4591 mm           4.35         Tuming radius         a         2620 mm           5.1         Tavel speed (laden / unladen)         m2         18 km/h-22 km/h           5.2         Lifting speed (laden / unladen)         0.5 m/s-0.50 m/s         0.50 m/s-0.30 m/s           5.3         Lowering speed (laden / unladen)         0.5 m/s-0.30 m/s         0.50 m/s-0.30 m/s           5.5         Drawbar pull (Laden / Unladen)         2010 dah / 1250 dah         33 % / 34 %           5.7         Gradeability (laden / unladen)         2010 dah / 1250 dah         33 % / 34 %           5.7         Begine brand / model         Mydexing hydraulic brakes by loss of pressure         Hydraulic brakes by loss of pressure           7.1         Engline brand / model         Mydexing hydraulic pressure for attachments         36 kW           7.2         Engline brand / model         4.2434 cm²							
4.23         Fork carriage ISO 2328 (class/form) A/B         2A           4.24         Fork carriage width         b3         1260 mm           4.31         Ground clearance below mast         m1         260 mm           4.32         Ground clearance at centre of wheelbase         m2         238 mm           4.33         A isle Width for pallets 1000 x 1200 crossways         Ast         4591 mm           4.35         Tuming radius         Wa         2620 mm           Performances         ***********************************							
4.24         Fork carriage width         b3         1260 mm           4.31         Ground clearance at centre of wheelbase         m1         260 mm           4.32         Ground clearance at centre of wheelbase         m2         238 mm           4.33         A isle Width for pallets 100 x 1200 crossways         Ast         4591 mm           4.35         Tuming adius         Wa         2620 mm           5.1         Tavel speed (laden / unladen)         Wa         18 km/h-22 km/h           5.2         Lifting speed (laden / unladen)         0.50 m/s-0.50 m/s           5.3         Lowering speed (laden / unladen)         0.50 m/s-0.30 m/s           5.5         D rawbar pull (Laden / Unladen)         2010 dan / 1250 dan           5.7         Gradeability (laden / unladen)         2010 dan / 1250 dan           5.7         Gradeability (laden / unladen)         1         4 ydraulic brakes by loss of pressure           5.1         Engine brand / model         Kubota / 2403         4 ydraulic brakes by loss of pressure           7.1         Engine power according to ISO 1585         Kubota / 2403         36 kW           7.2         Engine power according to ISO 1585         36 kW           8.1         Number of cylinders / Capacity of cylinders         4 - 2434 cm³		·	s / e / I				
4.31       Ground clearance below mast       m1       260 mm         4.32       Gound clearance at centre of wheelbase       m2       238 mm         4.33       Asise Width for pallets 1000 x 1200 crossways       Ast       459 mm         4.35       Tuming radius       Wa       2620 mm         5.1       Performances       B       18 km/h-22 km/h         5.1       Travel speed (laden / unladen)       5.0       1.8 km/h-22 km/h         5.2       Lifting speed (laden / unladen)       5.0       0.50 m/s-0.50 m/s         5.3       Lowering speed (laden / unladen)       2010 dan/ 1250 dan         5.5       Drawbar pull (Laden / Unladen)       2010 dan/ 1250 dan         5.7       Gradeability (laden / unladen)       33 % / 34 %         5.7       Gradeability (laden / unladen)       40 yet pull (Laden / Unladen)         5.7       Gradeability (laden / unladen)       40 yet pull (Laden / Unladen)         5.7       Gradeability (laden / unladen)       40 yet pull (Laden / Unladen)         5.7       Gradeability (laden / unladen)       40 yet pull (Laden / Unladen)         5.7       Engine pand / model       40 yet pull (Laden / Unladen)         7.2       Engine power according to ISO 1585       40 yet pull (Laden / Unladen)         7.3							
4.32       Ground clearance at centre of wheelbase       m2       238 mm         4.33       Aisle Width for pallets 1000 x 1200 crossways       Ast       4591 mm         4.35       Tuming radius       Wa       2620 mm         Performances       In Tavel speed (laden / unladen)       In Sk km/h-22 km/h         5.1       Travel speed (laden / unladen)       0.50 m/s-0.50 m/s         5.2       Lifting speed (laden / unladen)       0.50 m/s-0.30 m/s         5.3       Lowering speed (laden / unladen)       0.50 m/s-0.30 m/s         5.5       Drawbar pull (Laden / Unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       19 day 1250 daN         5.1       Berjine brand / model       19 kubata / 12403         7.2       Engine power according to ISO 1585       3 6k W         7.3       Rated speed       3 6k W         7.3       Rated speed       4 - 2434 cm³         8.1       Miscellaneous       19 kubata / 2434 cm³		-					
4.33       Asise Width for pallets 1000 x 1200 crossways       Ast       4591 mm         4.35       Tuming radius       Wa       2620 mm         Formances         5.1       Travel speed (laden / unladen)       18 km/h-22 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s-0.50 m/s         5.3       Lowering speed (laden / unladen)       2010 daN / 1250 daN         5.5       Drawbar pull (Laden / Unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       400 daN / 1250 daN         5.7       Gradeability (laden / unladen)       400 daN / 1250 daN         5.1       Sevice brake       Hydraulic brakes by loss of pressure         Engline         6.1       Engline pomer according to ISO 1585       8 Kubata / V2403         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2 700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       4 5 1/min         8.4       Hydrocontrol       4 5 1/min <td></td> <td></td> <td></td> <td></td>							
4.35       Tuming radius       Wa       2620 mm         Performances         5.1       Travel speed (laden / unladen)       18 km/h-22 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s-0.50 m/s         5.3       Lowering speed (laden / unladen)       2010 daN / 1250 daN         5.5       Drawbar pull (Laden / Unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       Hydraulic brakes by loss of pressure         5.1       Benjine       Hydraulic brakes by loss of pressure         7.1       Engine       Kubota / V2403         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         8.1       Miscellaneous       4 - 2434 cm³         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 l/min         8.4       Hydraulic brakes by loss of pressure         8.5       Hydraulic brakes by loss of pressure       180 bar							
Performances           5.1         Travel speed (laden / unladen)         18 km/h-22 km/h           5.2         Lifting speed (laden / unladen)         0.50 m/s-0.50 m/s           5.3         Lowering speed (laden / unladen)         2010 daN / 1250 daN           5.5         Drawbar pull (Laden / Unladen)         2010 daN / 1250 daN           5.7         Gradeability (laden / unladen)         33 % / 34 %           5.1         Service brake         Hydraulic brakes by loss of pressure           7.1         Engine         Kubota / V2403           7.2         Engine power according to ISO 1585         36 kW           7.3         Rated speed         36 kW           7.4         Number of cylinders / Capacity of cylinders         4 - 2434 cm³           8.1         Type of drive control         Cable           8.2         Working hydraulic pressure for attachments         180 bar           8.3         Oil flow rate for attachments         45 l/min           8.4         Measured/guaranteed mean noise level at the ear of the operator         < 80 dB							
5.1       Travel speed (laden / unladen)       18 km/h-22 km/h         5.2       Lifting speed (laden / unladen)       0.50 m/s-0.50 m/s         5.3       Lowering speed (laden / Unladen)       0.50 m/s-0.30 m/s         5.5       Drawbar pull (Laden / Unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       33 % / 34 %         5.10       Service brake       Hydraulic brakes by loss of pressure         7.1       Engine brand / model       Klubota / V2403         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4-2434 cm³         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 l/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB	4.35		Wa	2620 mm			
5.2       Lifting speed (laden / unladen)       0.50 m/s-0.50 m/s         5.3       Lowering speed (laden / unladen)       0.50 m/s-0.30 m/s         5.5       Drawbar pull (Laden / Unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       33 % / 34 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Engine         7.1       Engine power according to ISO 1585       36 kW         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 1/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB							
5.3       Lowering speed (laden / unladen)       0.50 m/s-0.30 m/s         5.5       Drawbar pull (Laden / Unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       33 % / 34 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Engine         7.1       Engine brand / model       Kubota / V2403         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 1/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB							
5.5       Drawbar pull (Laden / Unladen)       2010 daN / 1250 daN         5.7       Gradeability (laden / unladen)       33 % / 34 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Engine         7.1       Engine brand / model       Kubota / V2403         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 1/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB		- ' '					
5.7       Gradeability (laden / unladen)       33 % / 34 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Engine         7.1       Engine brand / model       Kubota / V2403         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 1/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB		- , ,					
5.10         Service brake         Hydraulic brakes by loss of pressure           Engine         Current           7.1         Engine brand / model         Kubota / V2403           7.2         Engine power according to ISO 1585         36 kW           7.3         Rated speed         2700 rpm           7.4         Number of cylinders / Capacity of cylinders         4 - 2434 cm³           8.1         Type of drive control         Cable           8.2         Working hydraulic pressure for attachments         180 bar           8.3         Oil flow rate for attachments         45 1/min           8.4         Measured/guaranteed mean noise level at the ear of the operator         < 80 dB				2010 daN / 1250 daN			
Engine         Common of the parameter of the operator         Common of the parameter of the operator           7.1         Engine brand / model         Kubota / V2403           7.2         Engine power according to ISO 1585         36 kW           7.3         Rated speed         2700 rpm           7.4         Number of cylinders / Capacity of cylinders         4 - 2434 cm³           8.1         Type of drive control         Cable           8.2         Working hydraulic pressure for attachments         180 bar           8.3         Oil flow rate for attachments         45 1/min           8.4         Measured/guaranteed mean noise level at the ear of the operator         < 80 dB	5.7	Gradeability (laden / unladen)		33 % / 34 %			
7.1       Engine brand / model       Kubota / V2403         7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         Miscellaneous         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 l/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB	5.10			Hydraulic brakes by loss of pressure			
7.2       Engine power according to ISO 1585       36 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         Miscellaneous         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 1/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB		·					
7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       4 - 2434 cm³         Miscellaneous         8.1       Type of drive control       Cable         8.2       Working hydraulic pressure for attachments       180 bar         8.3       Oil flow rate for attachments       45 l/min         8.4       Measured/guaranteed mean noise level at the ear of the operator       < 80 dB							
7.4Number of cylinders / Capacity of cylinders4 - 2434 cm³MiscellaneousCable8.1Type of drive controlCable8.2Working hydraulic pressure for attachments180 bar8.3Oil flow rate for attachments45 1/min8.4Measured/guaranteed mean noise level at the ear of the operator< 80 dB		Engine power according to ISO 1585		36 kW			
Miscellaneous       8.1     Type of drive control     Cable       8.2     Working hydraulic pressure for attachments     180 bar       8.3     Oil flow rate for attachments     45 l/min       8.4     Measured/guaranteed mean noise level at the ear of the operator     < 80 dB		·		•			
8.1Type of drive controlCable8.2Working hydraulic pressure for attachments180 bar8.3Oil flow rate for attachments45 l/min8.4Measured/guaranteed mean noise level at the ear of the operator< 80 dB	7.4	Number of cylinders / Capacity of cylinders		4 - 2434 cm³			
8.2     Working hydraulic pressure for attachments     180 bar       8.3     Oil flow rate for attachments     45 l/min       8.4     Measured/guaranteed mean noise level at the ear of the operator     < 80 dB							
8.3 Oil flow rate for attachments 45 l/min 8.4 Measured/guaranteed mean noise level at the ear of the operator < 80 dB	8.1	Type of drive control		Cable			
8.4 Measured/guaranteed mean noise level at the ear of the operator < 80 dB	8.2	Working hydraulic pressure for attachments		180 bar			
	8.3	Oil flow rate for attachments					
8.4 Sound level at the driver's ear according to DIN 12 053 80 dB	8.4	Measured/guaranteed mean noise level at the ear of the operator		< 80 dB			
	8.4	Sound level at the driver's ear according to DIN 12 053		80 dB			

## MSI-X 25 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
Mast/fork carriage tilt, forward	۰	10	10	10	10	10
Mast/fork carriage tilt, backward		12	12	12	12	12
h1 - Mast lowered height	mm	2136	2286	2546	2736	2986
h2 - Mast free lift	mm	85	85	85	85	85
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	3738	4038	4438	4738	5238
Residual capacity at max height	kg	2500	2500			
Height at max capacity	mm	3000	3300	2500	2500	2500

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55	FLT 60
Mast/fork carriage tilt, forward °		10	10	10	10	10	6	6
Mast/fork carriage tilt, backward	۰	12	12	12	12	12	6	6
h1 - Mast lowered height	mm	1936	2036	2136	2286	2386	2736	2986
h2 - Mast free lift	mm	1183	1283	1383	1483	1633	1893	2083
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500	6000
h4 - Mast extended height	mm	4184	4484	4784	5116	5484	6356	6916
Residual capacity at max height	kg	2500	2500	2500	2500	2500		
Height at max capacity	mm	3400	3700	4000	4300	4700	2500	2500

Full Visibility Triplex (FVT)		FVT 33
Mast/fork carriage tilt, forward	٠	10
Mast/fork carriage tilt, backward	٠	12
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	72
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500





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