



Driver's seat KFS 2 as shown

The crane control unit KST 3 combines in its design the crane driver's seat and the control and monitoring devices. Ready wired, it can be easily and quickly installed in the crane cabin.

Equipment boxes: Plastic polyester.

The equipment boxes with the devices fitted have hinged tops that can be locked in position. They contain the termination and connection facilities and a lockable plug-in cover on the inside.

Seat KFS 2: The seat backrest can be tipped forwards and further tipped together with the cushion.

The cushion and seat backrest are padded.

Adjusting possibilities: Cushion horizontally and vertically.

Height adjustment via a gas-loaded spring in the seat base.

Seat backrest horizontally and vertically to the cushion.

Armrests padded and adjustable in height.

Fixed to the equipment boxes.

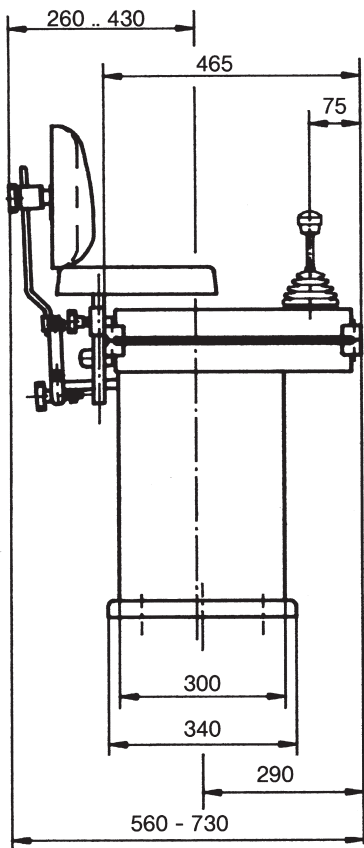
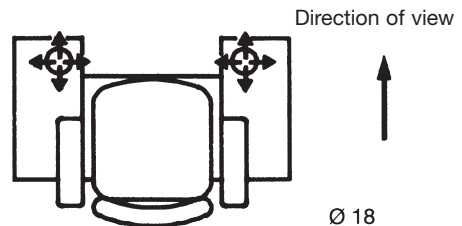
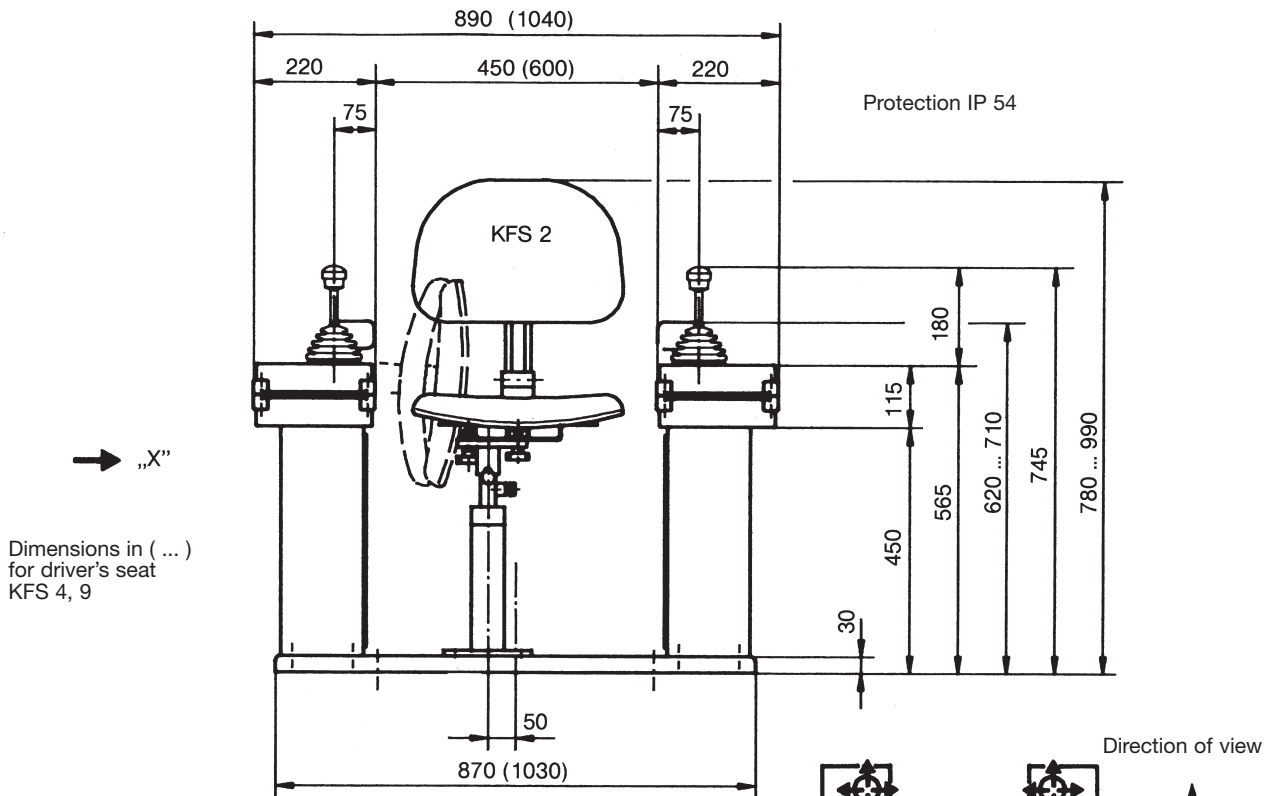
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 7032 pebble-grey. textured Varnish

All non-painted metal parts are electrogalvanized and chromed.

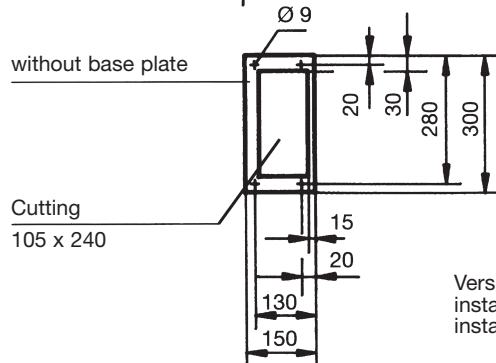
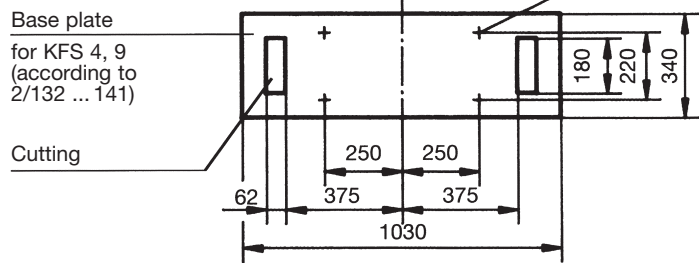
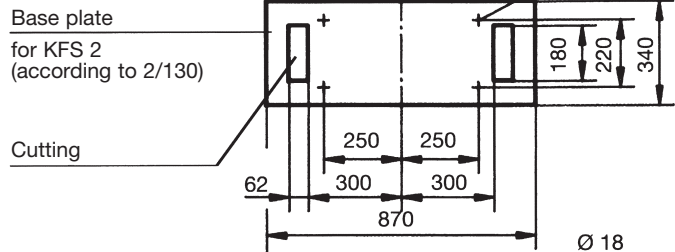
Description data look catalog 5/003/004

Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Pos.				Weight kg	Part No.	Type	Price EURO
1	Crane control unit with driver's seat	KFS 2	with base plate	36		KST 3	
2	Crane control unit with driver's seat	KFS 2	without base plate	31		KST 31	
3	Crane control unit without driver's seat	KFS 2	with base plate	21		KST 32	
4	Crane control unit without driver's seat	KFS 2	without base plate	16		KST 33	
5							
10	Driver's seat	look catalog 2/130 (picture shows)				KFS 2	
11							
12	Driver's seat	look catalog 2/132				KFS 4	
13							
14							
15	Driver's seat	look catalog 2/140				KFS 9	
20	Multi-axis controller	look catalog 1/100					
21	Single-axis controller	look catalog 1/200					
22							
23	Control-switch	look catalog 1/220					
24	Command and indicating devices	look catalog 1/360					
25							
30	Terminal block 4 mm ² without wiring each terminal					KL	
31	Terminal block 4 mm ² with wiring wire 1,5 mm ² each terminal					KL	
32	External wiring single wire highly flexible 1,5 mm ² 5 metre long						
33	Additional or subtract price each metre						
34							
35							
40	Special painted						
41	Indicating labels not engraved with 2 or 4 arrows						
42	Engraved each 10 characters						
43							



View „X“



Version shown for left-hand installation (right-hand side installation is mirror image)



The swivelling crane control unit KST 4 is ergonomically designed and provides a high degree of comfort.

The standard design includes following:

Equipment boxes: Sheet steel.

The equipment boxes with the devices can be vertically and horizontally adjusted together with the armrests. Cabling is run through aduct in the cross-member. (Terminal block).

Seat: Comfortable spring mounted seat KFS 9, with an oilhydraulic vibration absorption system, weight adjustment and air-permeable artificial leather or textil material.

Adjusting possibilities: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Weight setting for optimum spring suspension, right equipment box turnable.

Cross-member: Steel selection, top of which can be raised to lay cabling. The seat can be tilted backwards so that the cable duct in the cross-member is accessible.

Swivel base: Zero-end-float spring-loaded bearing. Rotational movement 180° right, 90° left, stopped by friction brake.

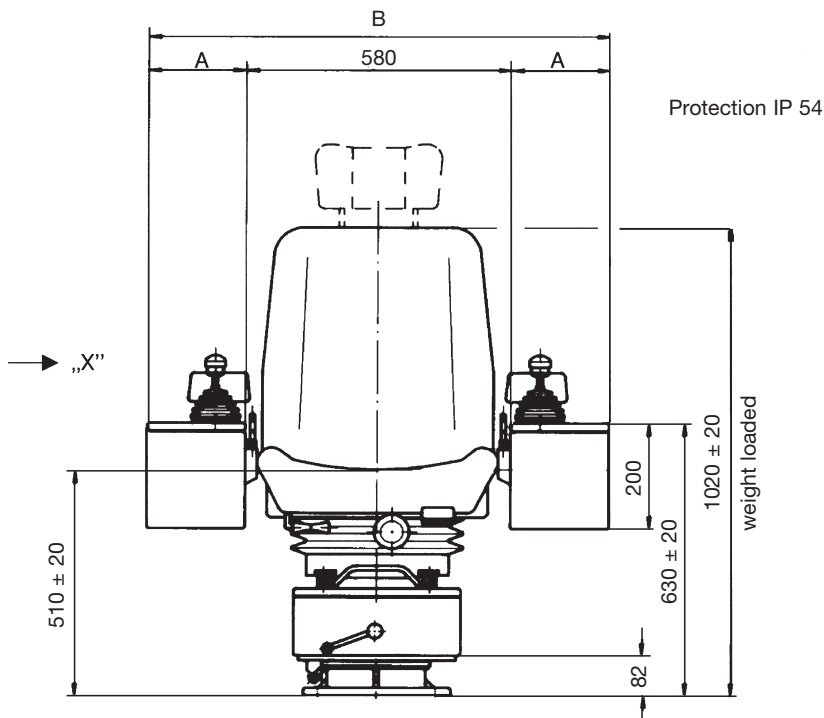
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 9011 black. textured varnish

All non-painted metal parts are electrogalvanized and chromed.

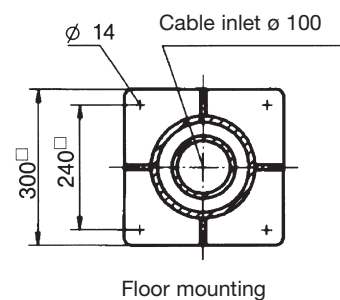
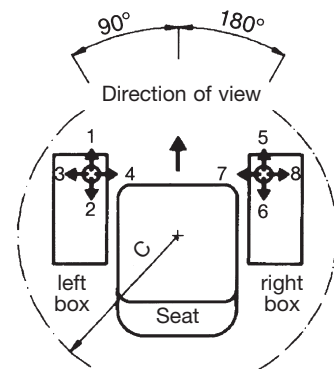
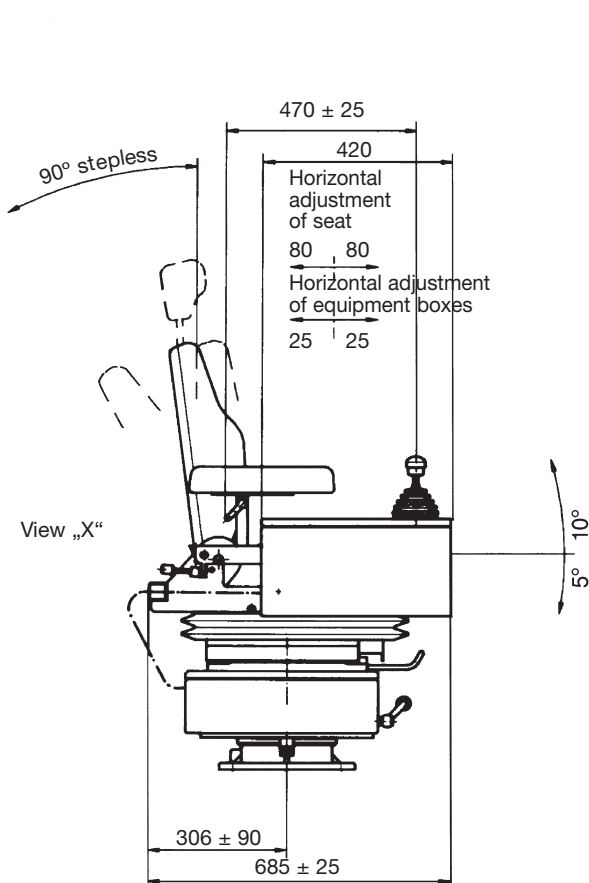
Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Description data look catalog 5/003/004

Pos.			Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design	Equipment boxes 160 x 420 mm	58		KST 41	
2	Crane control unit standard design	Equipment boxes 200 x 420 mm	60		KST 42	
3						
4						
5	Crane control unit standard design	Equipment boxes special dimensions			KST 4x	
6	Headrest for driver's seat KFS 9					
7	additional variations for driver's seat KFS 9 look catalog 2/140					
8						
9						
10	Footrest mounted onto swivel base adjustable ± 15 mm		8			
11						
12						
13	Plate for horizontal manual adjustment of control unit adjustable ± 250 mm					
14						
15						
16						
17						
18						
19	Heating 2 x 2 kW with ventilator 230 V 50 Hz airvolume ca. 300 m³/h mounted on the swivel base sidewise					
20	Multi-axis controller	look catalog 1/100				
21	Single-axis controller	look catalog 1/200				
22	Double-handle controller	look catalog 1/160				
23	Control-switch	look catalog 1/220				
24	Command and indicating devices	look catalog 1/360				
30	Terminal block 4 mm² without wiring each terminal				KL	
31	Terminal block 4 mm² with wiring wire 1,5 mm² each terminal				KL	
32	External wiring single wire highly flexible 1,5 mm² 5 metre long					
33	Additional or subtract price each metre					
40	Special painted					
41	Indicating labels not engraved with 2 or 4 arrows					
42	Engraved each 10 characters					



Type	Dimension A	Dimension B	Dimension C
KST 41	160	900	<625 >700
KST 42	200	980	<655 >730





The swivelling crane control unit KST 5 is ergonomically designed and provides a high degree of comfort.

The standard design includes following:

Equipment boxes: Sheet steel. The top panel of the equipment boxes with the devices can be raised and locked in position. The terminal strip is easily accessible via an opening on the inside that can be closed with a lockable cover.

Seat: Comfortable spring mounted seat KFS 9, with an oilhydraulic vibration absorption system, weight adjustment and air-permeable artificial leather or textil material.

Adjusting possibilities: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Weight setting for optimum spring suspension.

Cross-member: Steel section, top of which can be raised to lay cabling. The seat can be tilted backwards so that the cable duct in the cross-member is accessible.

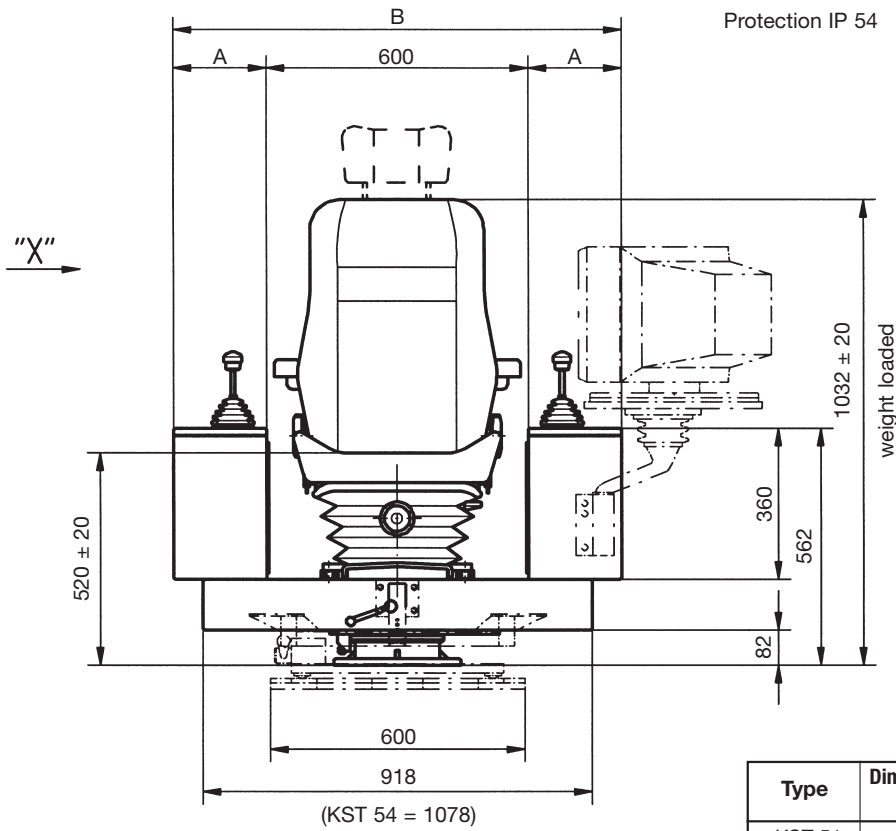
Swivel base: Zero-end-float spring-loaded bearing. Rotational movement 180° right, 90° left, stopped by friction brake.

Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 7032 pebble-grey, textured varnish
All non-painted metal parts are electrogalvanized and chromed.

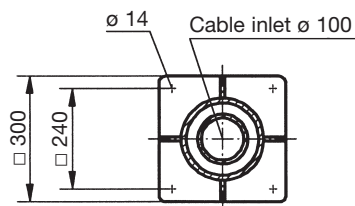
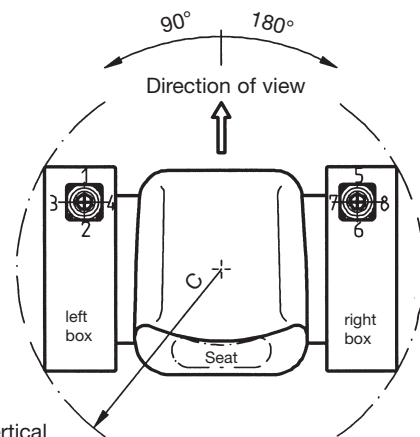
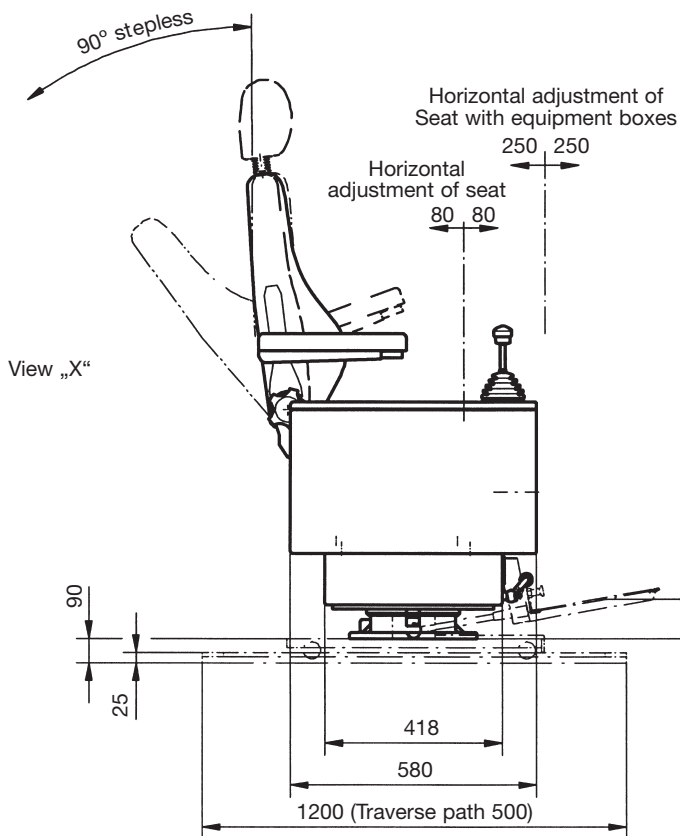
Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Description data look catalog 5/003/004

Pos.			Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design	Equipment boxes 200 x 580 mm	84		KST 51	
2	Crane control unit standard design	Equipment boxes 270 x 580 mm	88		KST 52	
3						
4	Crane control unit standard design	Equipment boxes 320 x 580 mm	92		KST 54	
5	Crane control unit standard design	Equipment boxes special dimensions			KST 5x	
6	Headrest for driver's seat KFS 9					
7	additional variations for driver's seat KFS 9	look catalog 2/140				
8	Driver's seat KFS 10	look catalog 2/142			KFS 10	
9	Monitor mounting support left or right T 478		10			
10	Footrest mounted onto swivel base adjustable ± 15 mm		8			
11						
12	Manual adjustment of equipment boxes horizontal adjustable ± 75 mm					
13	Plate for horizontal manual adjustment of control unit adjustable ± 250 mm		95			
14	Manual adjustment of control unit vertical (gas loaded spring) adjustable 80 mm		25			
15						
16						
17						
18	Motorized adjustment of control unit swivelling (drive 24 V DC seat height + 30 mm)		8			
19	Heating 2 x 2 kW with ventilator 230 V 50 Hz airvolume ca. 300 m³/h mounted on the swivel base sidewise					
20	Multi-axis controller	look catalog 1/100				
21	Single-axis controller	look catalog 1/200				
22	Double-handle controller	look catalog 1/160				
23	Control-switch	look catalog 1/220				
24	Command and indicating devices	look catalog 1/360				
30	Terminal block 4 mm² without wiring each terminal				KL	
31	Terminal block 4 mm² with wiring wire 1,5 mm² each terminal				KL	
32	External wiring single wire highly flexible 1,5 mm² 5 metre long					
33	Additional or subtract price each metre					
40	Special painted					
41	Indicating labels not engraved with 2 or 4 arrows					
42	Engraved each 10 characters					



Type	Dimension A	Dimension B	Dimension C
KST 51	200	1000	580
KST 52	270	1140	640
KST 54	320	1240	690



Floor mounting



The swivelling crane control unit KST 6 is ergonomically designed and provides a high degree of comfort.

The standard design includes following:

Equipment boxes: plastic PU foam

The equipment boxes with the devices can be vertically and horizontally adjusted together with the armrests. Cabling is run through aduct in the cross-member. (Terminal block).

Seat: Comfortable spring mounted seat KFS 9, with an oilhydraulic vibration absorption system, weight adjustment and air-permeable artificial leather or textil material.

Adjusting possibilities: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Weight setting for optimum spring suspension.

Cross-member: Steel section, top of which can be raised to lay cabling. The seat can be tilted backwards so that the cable duct in the cross-member is accessible.

Swivel base: Zero-end-float spring-loaded bearing. Rotational movement 180° right, 90° left, stopped by friction brake.

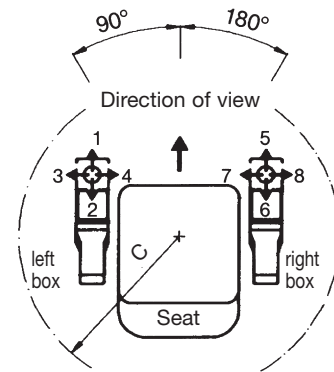
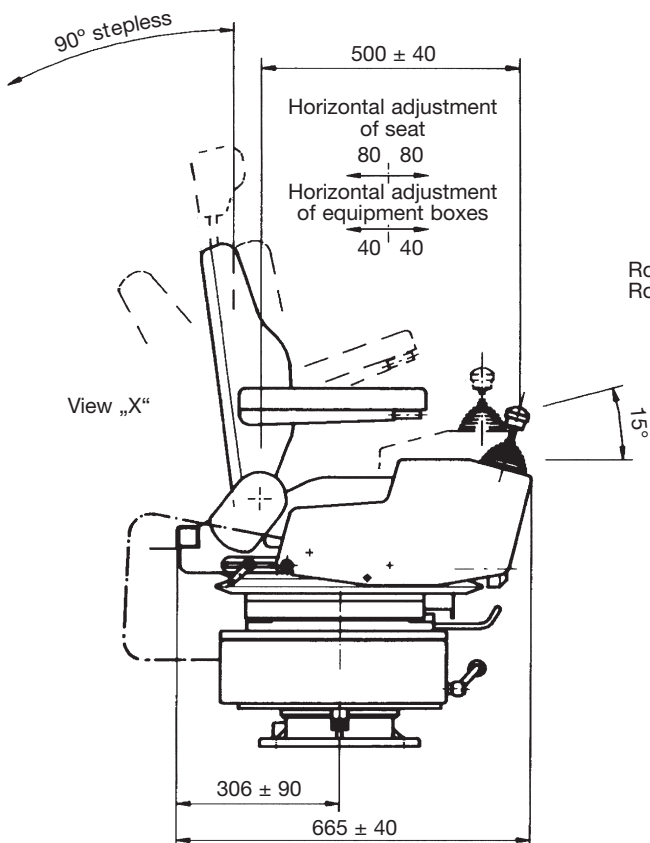
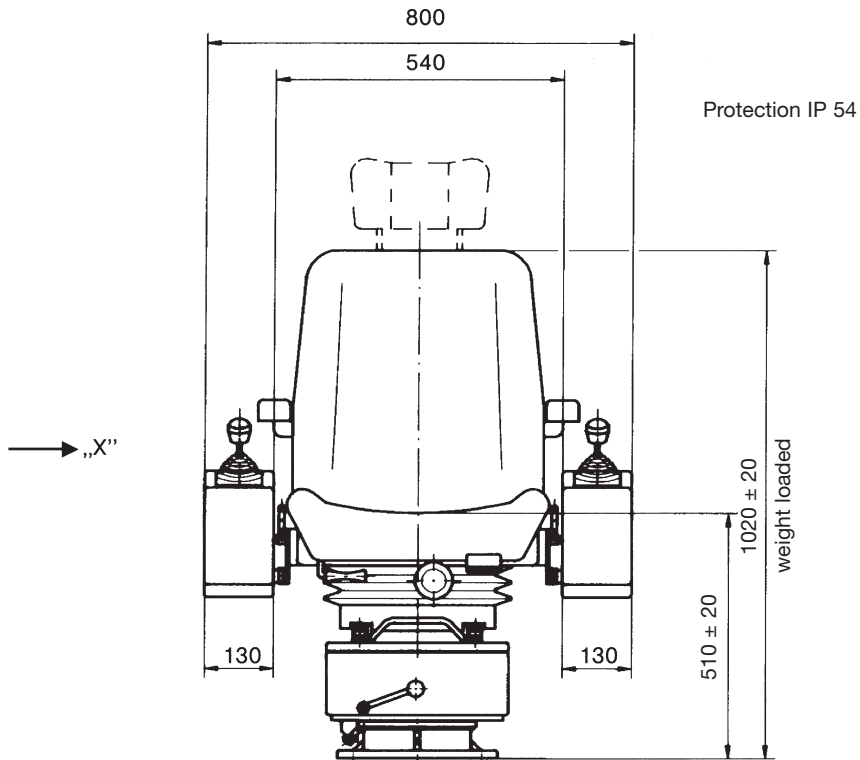
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 9011 black. textured varnish

All non-painted metal parts are electrogalvanized and chromed.

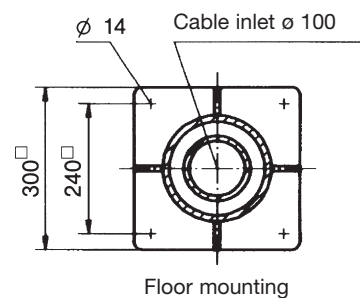
Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Description data look catalog 5/003/004

Pos.		Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design	48		KST 6	
2	Crane control unit standard design not swivelled	48		KST 61	
3	Crane control unit standard design without swivel base and cross-member	38		KST 62	
4					
5					
6	Headrest for driver's seat KFS 9				
7	additional variations for driver's seat KFS 9 look catalog 2/140				
8					
9					
10	Footrest mounted onto swivel base adjustable ± 15 mm	8			
11					
12					
13	Plate for horizontal manual adjustment of control unit adjustable ± 250 mm	95			
14					
15					
16					
17					
18					
19	Heating 2 x 2 kW with ventilator 230 V 50 Hz airvolume ca. 300 m³/h mounted on the swivel base sidewise				
20	Multi-axis controller look catalog 1/100				
21	Single-axis controller look catalog 1/200				
22	Double-handle controller look catalog 1/160				
23	Control-switch look catalog 1/220				
24	Command and indicating devices look catalog 1/360				
30	Terminal block 4 mm² without wiring each terminal			KL	
31	Terminal block 4 mm² with wiring wire 1,5 mm² each terminal			KL	
32	External wiring single wire highly flexible 1,5 mm² 5 metre long				
33	Additional or subtract price each metre				
40	Special painted				
41	Indicating labels not engraved with 2 or 4 arrows				
42	Engraved each 10 characters				



Rotation radius ,C' - bei minimal adjusting = 520 mm
Rotation radius ,C' - bei maximal adjusting = 620 mm





Driver's seat KFS 4 as shown

The crane control unit KST 7 combines in its design the crane driver's seat and the control and monitoring devices. Ready wired, it can be easily and quickly installed in the crane cabin.

Equipment boxes: Sheet steel.

The equipment boxes with the devices fitted have hinged tops that can be locked in position. They contain the termination and connection facilities and a lockable plug-in cover on the inside.

Seat KFS 2: The seat backrest can be tipped forwards and further tipped together with the cushion.

The cushion and seat backrest are padded.

Adjusting possibilities: Cushion horizontally and vertically.

Height adjustment via a gas-loaded spring in the seat base.

Seat backrest horizontally and vertically to the cushion.

Armrests padded and adjustable in height.

Fixed to the equipment boxes.

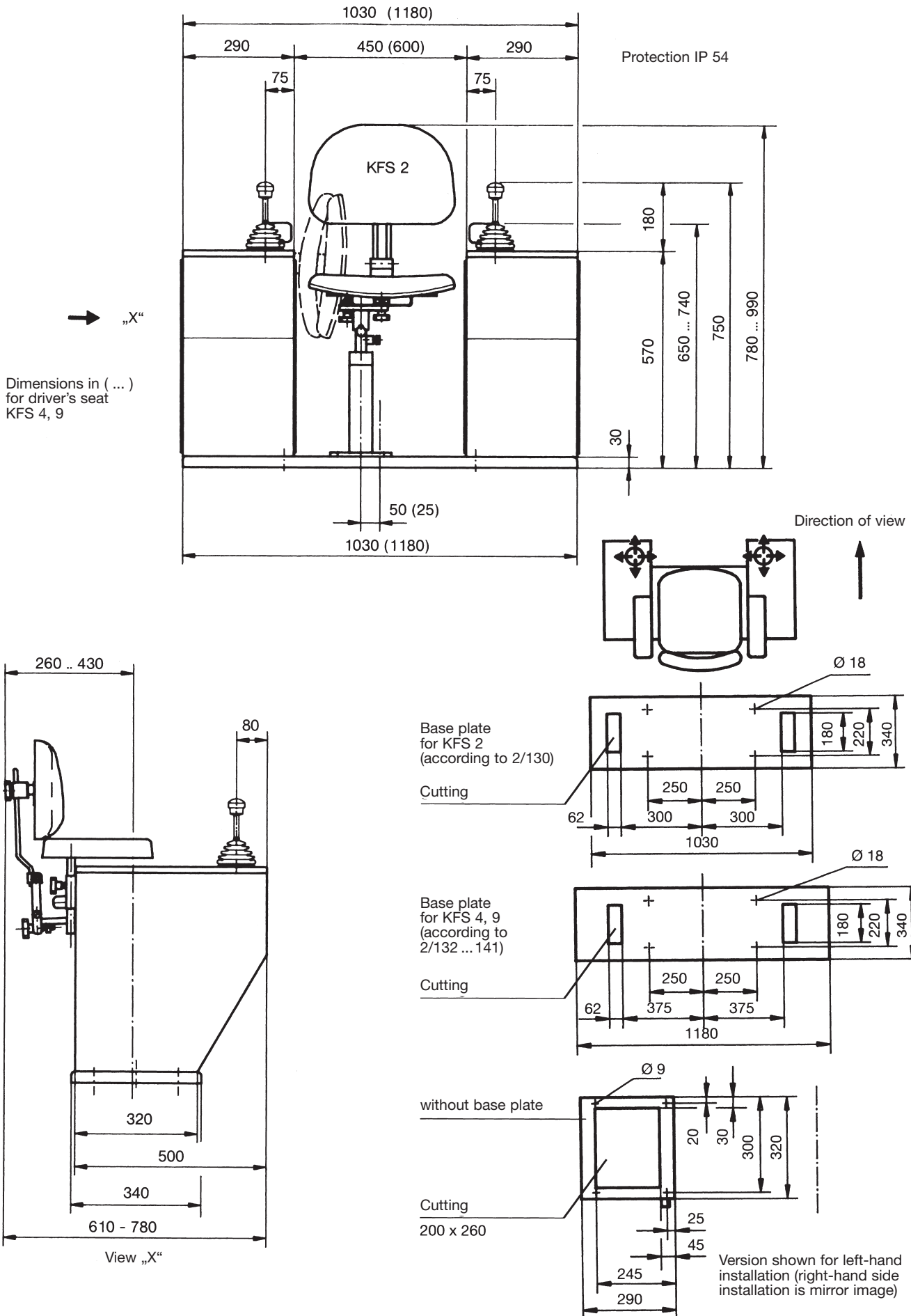
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 7032 pebble-grey, textured varnish

All non-painted metal parts are electrogalvanized and chromed.

Description data look catalog 5/003/004

Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Pos.				Weight kg	Part No.	Type	Price EURO
1	Crane control unit with driver's seat	KFS 2	with base plate	51		KST 7	
2	Crane control unit with driver's seat	KFS 2	without base plate	46		KST 71	
3	Crane control unit without driver's seat	KFS 2	with base plate	36		KST 72	
4	Crane control unit without driver's seat	KFS 2	without base plate	31		KST 73	
5							
10	Driver's seat	look catalog 2/130				KFS 2	
11							
12	Driver's seat	look catalog 2/132 (picture shows)				KFS 4	
13							
14							
15	Driver's seat	look catalog 2/140				KFS 9	
20	Multi-axis controller	look catalog 1/100					
21	Single-axis controller	look catalog 1/200					
22	Double-handle controller	look catalog 1/160					
23	Control-switch	look catalog 1/220					
24	Command and indicating devices	look catalog 1/360					
25							
30	Terminal block 4 mm ² without wiring each terminal					KL	
31	Terminal block 4 mm ² with wiring wire 1,5 mm ² each terminal					KL	
32	External wiring single wire highly flexible 1,5 mm ² x 5 metre long						
33	Additional or subtract price each metre						
34							
35							
40	Special painted						
41	Indicating labels not engraved with 2 or 4 arrows						
42	Engraved each 10 characters						
43							





Driver's seat KFS 2 as shown

The crane control unit KST 75 combines in its design the crane driver's seat and the control and monitoring devices. Ready wired, it can be easily and quickly installed in the crane cabin.

Equipment boxes: Sheet steel.

The equipment boxes with the devices fitted have hinged tops that can be locked in position.

They contain the termination and connection facilities and a lockable plug-in cover on the inside.

Seat KFS 2: The seat backrest can be tipped forwards and further tipped together with the cushion.

The cushion and seat backrest are padded.

Adjusting possibilities: Cushion horizontally and vertically.

Height adjustment via a gas-loaded spring in the seat base.

Seat backrest horizontally and vertically to the cushion.

Armrests padded and adjustable in height.

Fixed to the equipment boxes.

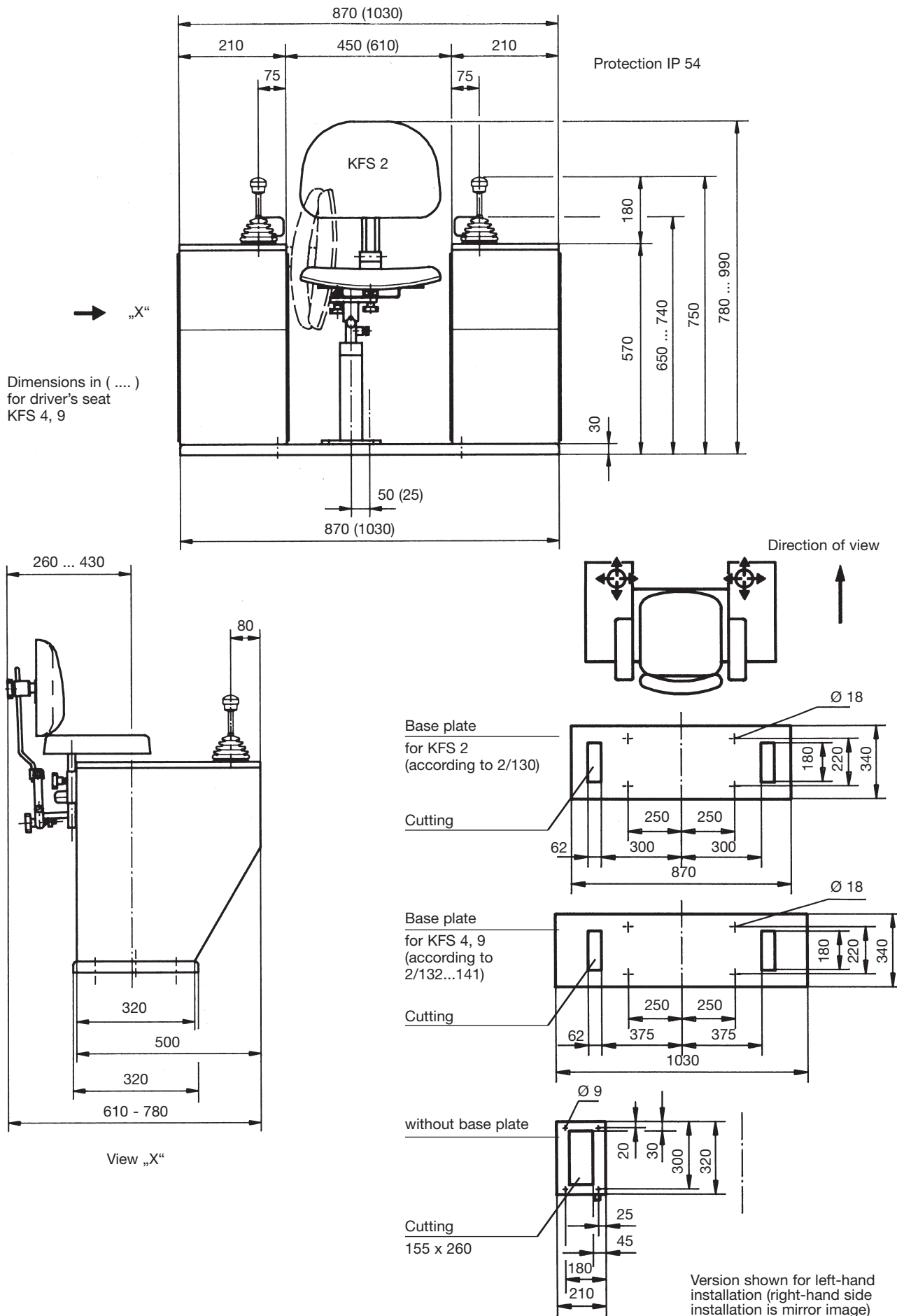
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 7032 pebble-grey, textured varnish

All non-painted metal parts are electrogalvanized and chromed.

Description data look catalog 5/003/004

Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Pos.				Weight kg	Part No.	Type	Price EURO
1	Crane control unit with driver's seat	KFS 2	with base plate	51		KST 75	
2	Crane control unit with driver's seat	KFS 2	without base plate	46		KST 76	
3	Crane control unit without driver's seat	KFS 2	with base plate	36		KST 77	
4	Crane control unit without driver's seat	KFS 2	without base plate	31		KST 78	
5							
10	Driver's seat	look catalog 2/130 (picture shows)				KFS 2	
11							
12	Driver's seat	look catalog 2/132				KFS 4	
13							
14							
15	Driver's seat	look catalog 2/140				KFS 9	
20	Multi-axis controller	look catalog 1/100					
21	Single-axis controller	look catalog 1/200					
22	Double-handle	look catalog 1/160					
23	Control-switch	look catalog 1/220					
24	Command and indicating devices	look catalog 1/360					
25							
30	Terminal block 4 mm ² without wiring each terminal					KL	
31	Terminal block 4 mm ² with wiring wire 1,5 mm ² each terminal					KL	
32	External wiring single wire highly flexible 1,5 mm ² x 5 metre long						
33	Additional or subtract price each metre						
34							
35							
40	Special painted						
41	Indicating labels not engraved with 2 or 4 arrows						
42	Engraved each 10 characters						
43							





The swivelling crane control unit KST 8 is ergonomically designed and provides a high degree of comfort.

The standard design includes following:

Equipment boxes: plastic PU foam

The equipment boxes with the devices can be vertically and horizontally adjusted together with the armrests. Cabling is run through aduct in the cross-member. (Terminal block).

Seat: Comfortable spring mounted seat KFS 9, with an oilhydraulic vibration absorption system, weight adjustment and air-permeable artificial leather or textil material.

Adjusting possibilities: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Weight setting for optimum spring suspension. Right equipment box turnable.

Cross-member: Steel section, top of which can be raised to lay cabling. The seat can be tilted backwards so that the cable duct in the cross-member is accessible.

Swivel base: Zero-end-float spring-loaded bearing. Rotational movement 180° right, 90° left, stopped by friction brake.

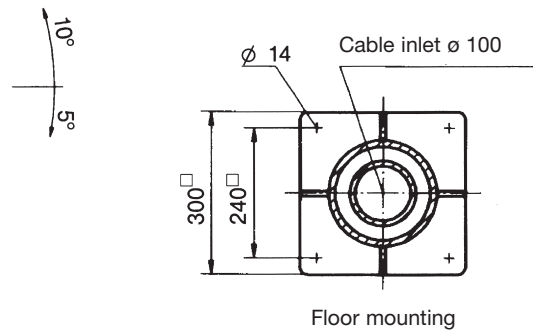
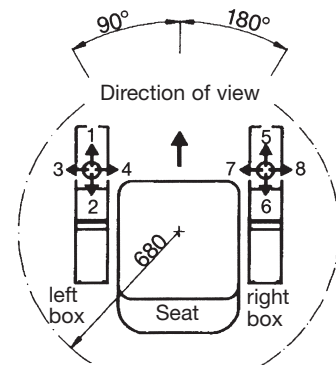
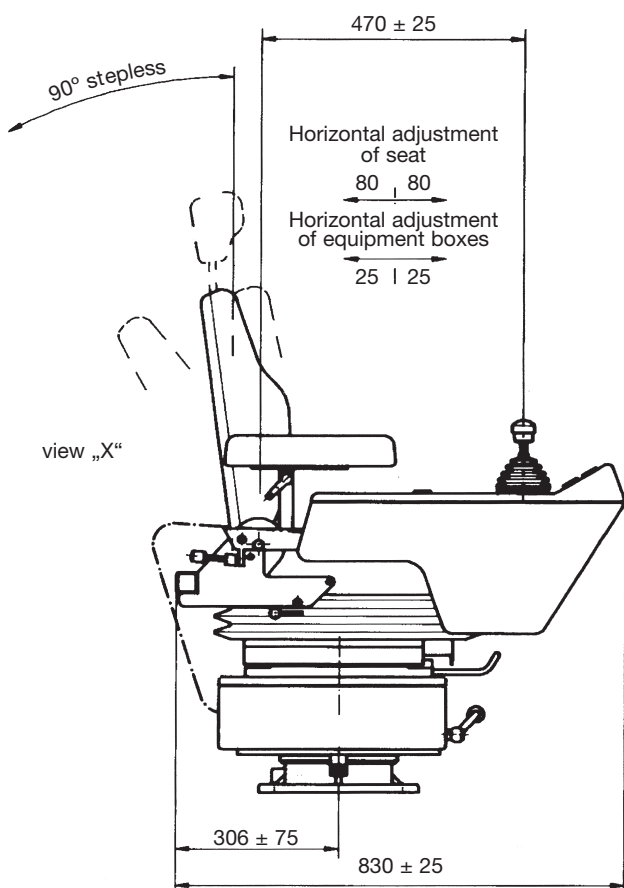
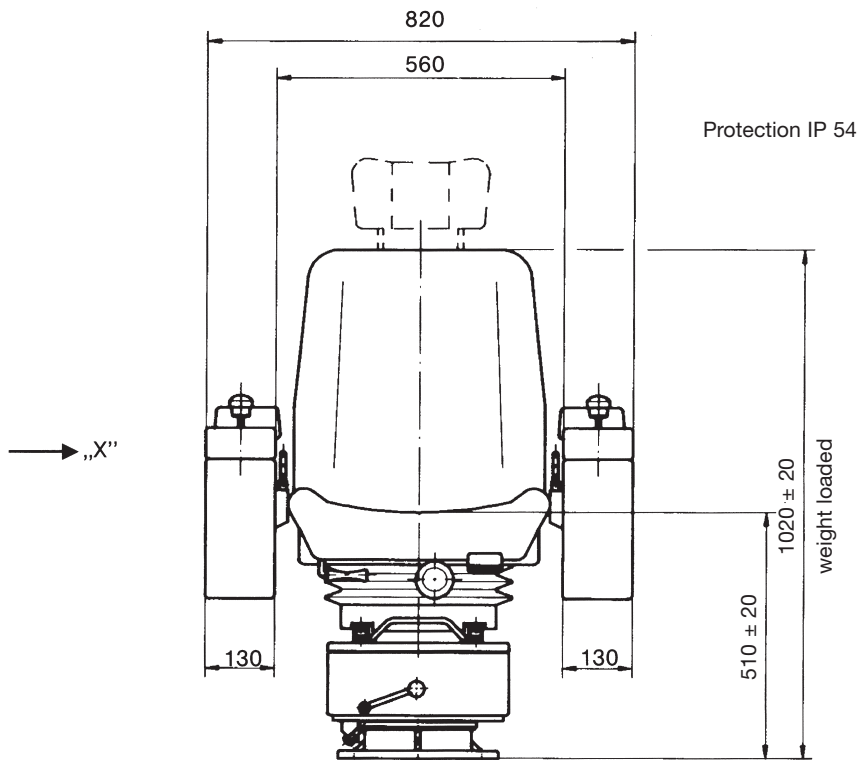
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 9011 black. textured varnish

All non-painted metal parts are electrogalvanized and chromed.

Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Description data look catalog 5/005

Pos.		Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design	48		KST 8	
2	Crane control unit standard design not swivelled	48		KST 81	
3	Crane control unit standard design without swivel base and cross-member	38		KST 82	
4					
5					
6	Headrest for driver's seat KFS 9				
7	additional variations for driver's seat KFS 9 look catalog 2/140				
8					
9					
10	Footrest mounted onto swivel base adjustable ± 15 mm	8			
11					
12					
13	Plate for horizontal manual adjustment of control unit adjustable ± 250 mm	95			
14					
15					
16					
17					
18					
19	Heating 2 x 2 kW with ventilator 230 V 50 Hz airvolume ca. 300 m³/h mounted on the swivel base sidewise				
20	Multi-axis controller look catalog 1/100				
21	Single-axis controller look catalog 1/200				
22	Double-handle controller look catalog 1/160				
23	Control-switch look catalog 1/220				
24	Command and indicating devices look catalog 1/360				
30	Terminal block 4 mm² without wiring each terminal			KL	
31	Terminal block 4 mm² with wiring wire 1,5 mm² each terminal			KL	
32	External wiring single wire highly flexible 1,5 mm² 5 metre long				
33	Additional or subtract price each metre				
40	Special painted				
41	Indicating labels not engraved with 2 or 4 arrows				
42	Engraved each 10 characters				





The crane control unit KST 85 is ergonomically designed and provides a high degree of comfort.

The standard design includes following.

Equipment boxes: plastic PU foam

The equipment boxes with the devices can be vertically and horizontally adjusted together with the armrest. Cabling is run through aduct on the terminal block. (The terminal block housing is mounting behind the seat)

Seat: Comfortable static mounted seat KFS 8, covered with air-permeable artificial leather or with textil material and with roller-bearing swivel system.

Adjusting possibilities: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Seat with the equipment boxes swivelled 90° one sided. Endpoints to look. Right equipment box turnable.

Console: Heating 2 steps 2 x 2 kW 380 V AC
Ventilator 380 V AC air volume ca 1000 m³/h air circulation (opening in the rear side of the console) fresh air circulation (opening in the underside of the console). Selector switch for heating/ventilator are in the box. The seat can be tilted forward to reach the terminal block of the heating / ventilator.

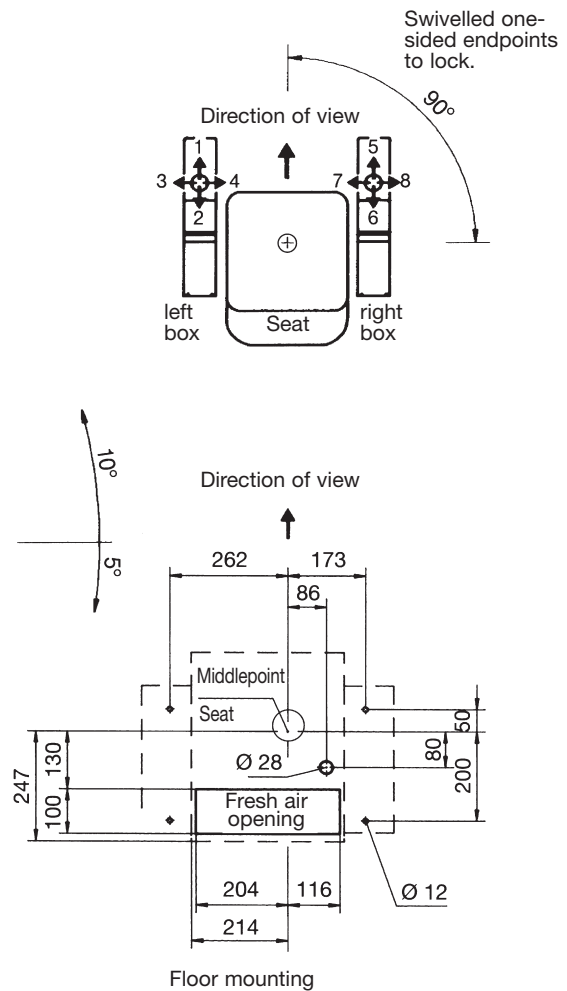
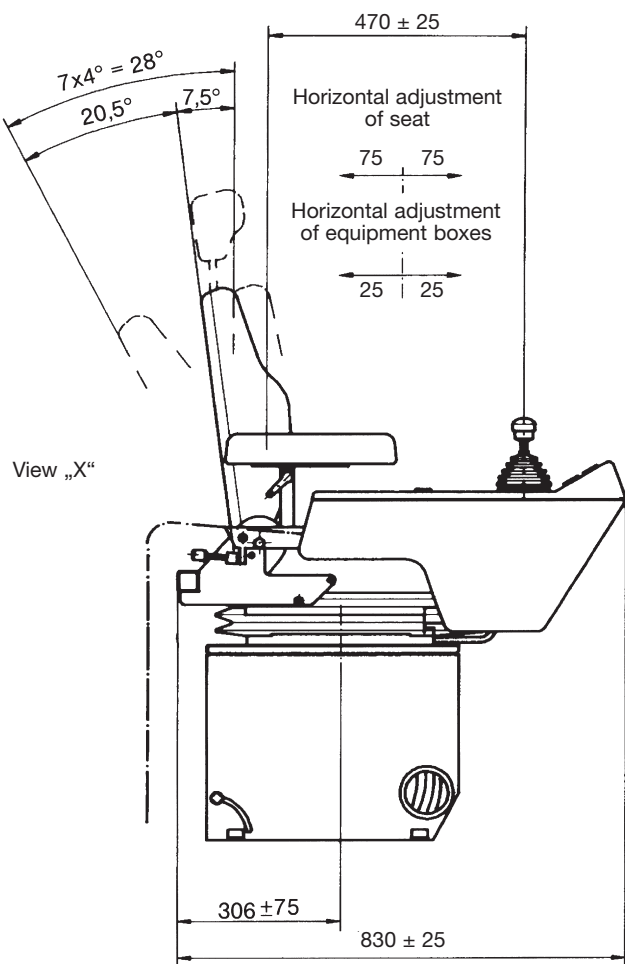
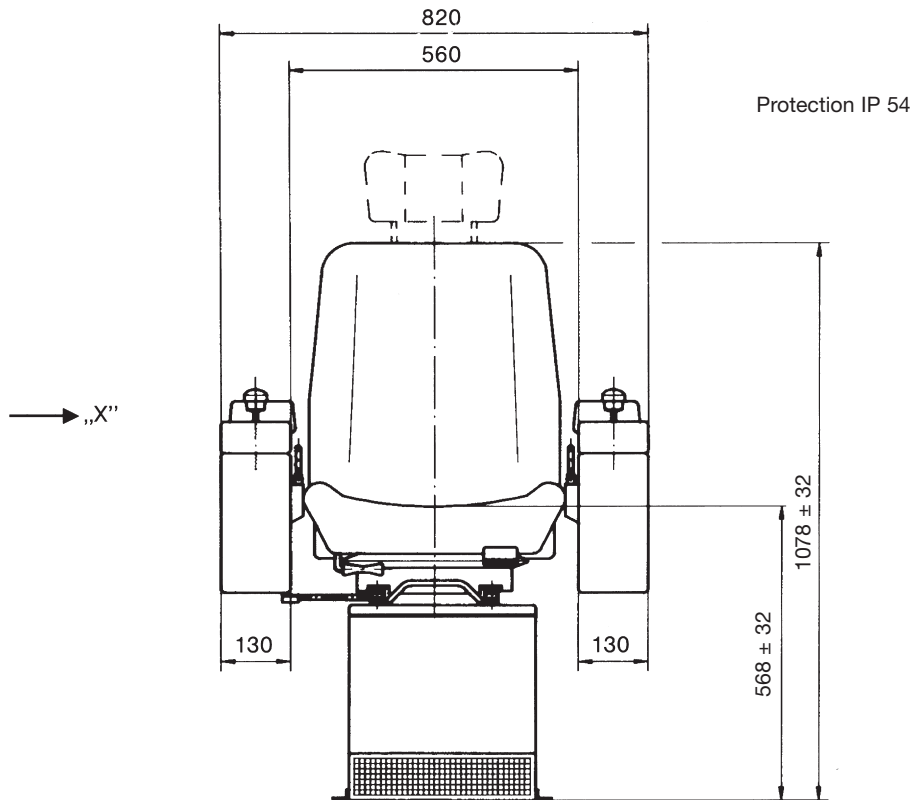
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 9011 black. textured varnish

All non-painted metal parts are electrogalvanized and chromed.

Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Description data look catalog 5/005

Pos.		Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design with heating/ventilator	48		KST 85	
2					
3	Crane control unit standard design without heating/ventilator	45		KST 87	
4					
5					
6	Headrest for driver's seat KFS 8				
7	additional variations of driver's seat KFS 8 look catalog 2/138				
8					
9					
10	Footrest mounted onto console adjustable ± 15 mm	8			
11					
12					
13					
14					
15					
16					
17					
18					
19					
20	Multi-axis controller look catalog 1/100				
21	Single-axis controller look catalog 1/200				
22	Double-handle controller look catalog 1/160				
23	Control-switch look catalog 1/220				
24	Command and indicating devices look catalog 1/360				
30	Terminal block 4 mm ² without wiring each terminal			KL	
31	Terminal block 4 mm ² with wiring wire 1,5 mm ² each terminal			KL	
32	External wiring single wire highly flexible 1,5 mm ² 5 metre long				
33	Additional or subtract price each metre				
40	Special painted				
41	Indicating labels not engraved with 2 or 4 arrows				
42	Engraved each 10 characters				





The swivelling crane control unit KST 10 is ergonomically designed and provides a high degree of comfort.

The standard design includes following:

Equipment boxes: plastic PU foam

The equipment boxes with the devices can be vertically and horizontally adjusted together with the armrests. Cabling is run through aduct in the cross-member. (Terminal block).

Seat: Comfortable spring mounted seat KFS 6, with an oilhydraulic vibration absorption system, weight adjustment and air-permeable artificial leather or textil material.

Adjusting possibilities: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Weight setting for optimum spring suspension.

Cross-member: Steel section, top of which can be raised to lay cabling. The seat can be tilted backwards so that the cable duct in the cross-member is accessible.

Swivel base: Zero-end-float spring-loaded bearing. Rotational movement 180° right, 90° left, stopped by friction brake.

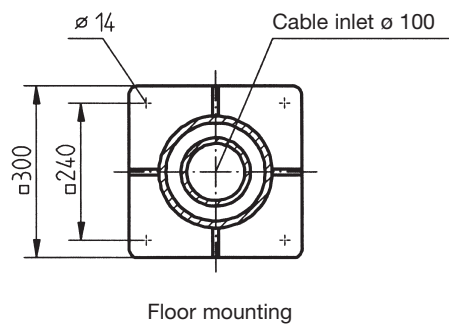
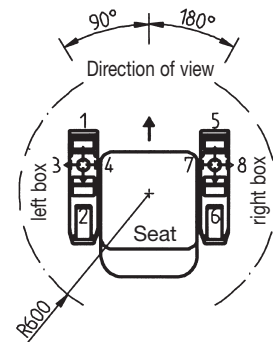
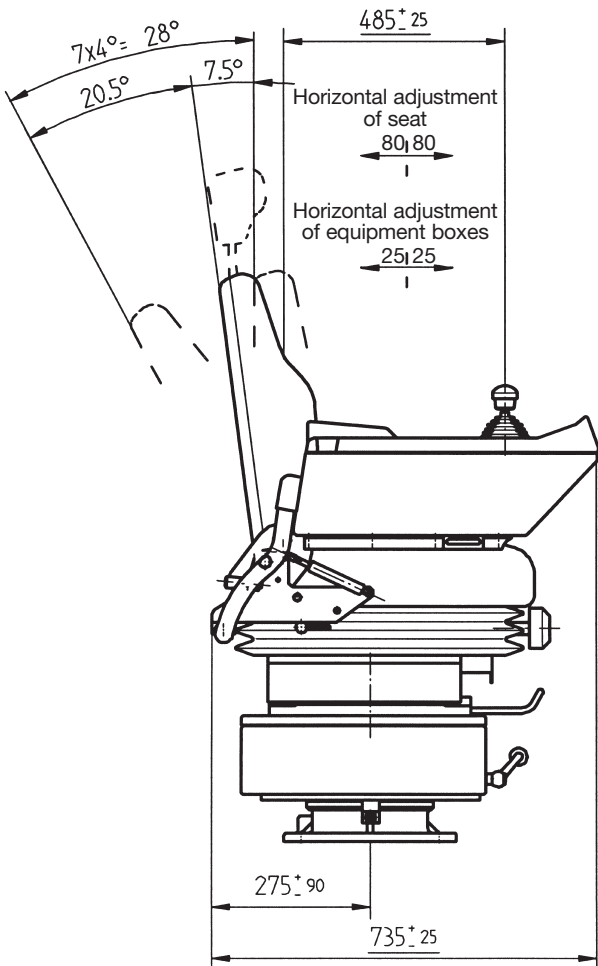
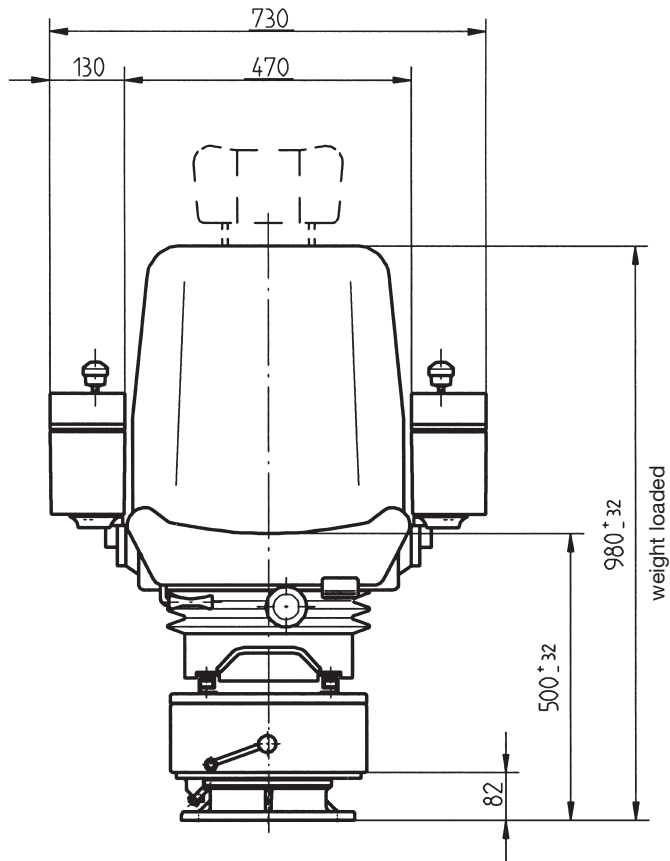
Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 9011 black. textured varnish

All non-painted metal parts are electrogalvanized and chromed.

Permissible ambient temperature	Operation -40° C to +60° C
	Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Description data look catalog 5/008

Pos.		Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design	48		KST 10	
2	Crane control unit standard design not swivelled	48		KST 101	
3	Crane control unit standard design without swivel base and cross-member	38		KST 102	
4					
5					
6	Headrest for driver's seat KFS 6				
7	additional variations for driver's seat KFS 6 look catalog 2/134				
8					
9					
10	Footrest mounted onto swivel base adjustable ± 15 mm	8			
11					
12					
13	Plate for horizontal manual adjustment of control unit adjustable ± 250 mm	95			
14					
15					
16					
17					
18					
19	Heating 2 x 2 kW with ventilator 230 V 50 Hz airvolume ca. 300 m³/h mounted on the swivel base sidewise				
20	Multi-axis controller look catalog 1/110				
21	Multi-axis controller look catalog 1/130				
22	Double-handle controller look catalog 1/162				
23	Control-switch look catalog 1/220				
24	Command and indicating devices look catalog 1/360				
30	Terminal block 4 mm² without wiring each terminal			KL	
31	Terminal block 4 mm² with wiring wire 1,5 mm² each terminal			KL	
32	External wiring single wire highly flexible 1,5 mm² 5 metre long				
33	Additional or subtract price each metre				
40	Special painted				
41	Indicating labels not engraved with 2 or 4 arrows				
42	Engraved each 10 characters				





The swivelling crane control unit KST 15 is ergonomically designed and provides a high degree of comfort.

The standard design includes following:

Equipment boxes: Sheet steel. The top panel of the equipment box with the devices can be raised and locked in position. The terminal strip is easily accessible via an opening on the inside that can be closed with a lockable cover. The external wiring is run through duct from the equipment boxes in the cross-member.

Seat: Comfortable spring mounted seat KFS 10, with a pneumatic vibration absorption system by compressor 24 V DC, weight adjustment and airpermeable artificial leather or textil material.

Manual adjustments: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Weight setting for optimum spring suspension.

Motorized adjustments: Seat with equipment boxes vertical (inclinations adjustments forward/backward). Seat with equipment boxes horizontal. Selector switches for motorized-drives are in the equipment box. Motor 24 V DC ca. 15 ampere.

Cross-member: Steel section, top of which can be raised to lay cabling. The seat with the boxes can be tilted forwards so that the cable duct in the cross-member is accessible.

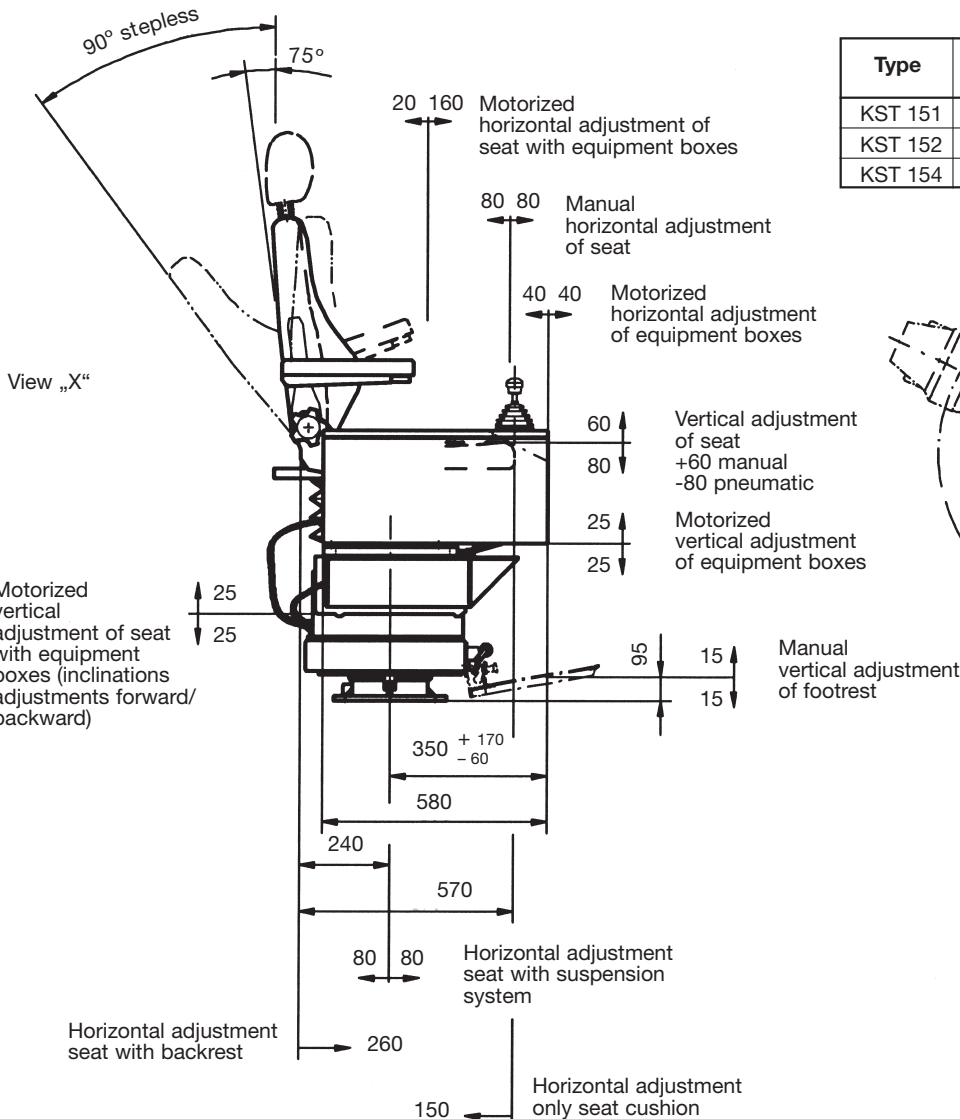
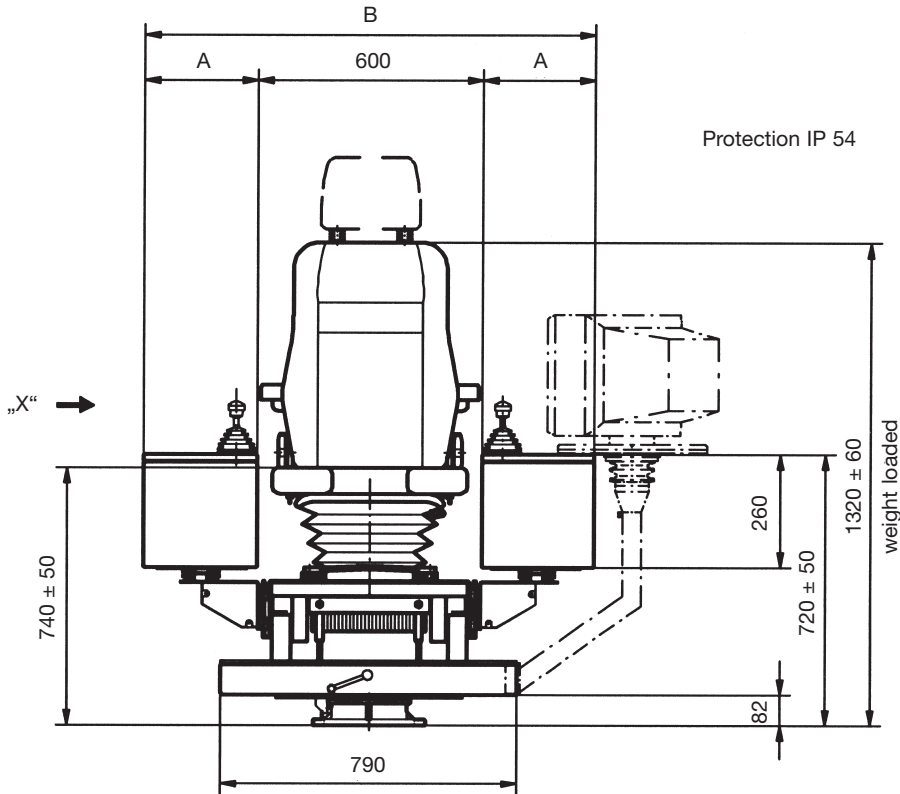
Swivel base: Zero-end-float spring-loaded bearing. Rotational movement 180° right, 90° left, stopped by friction brake.

Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 7032 pebble-grey. textured varnish
All non-painted metal parts are electrogalvanized and chromed.

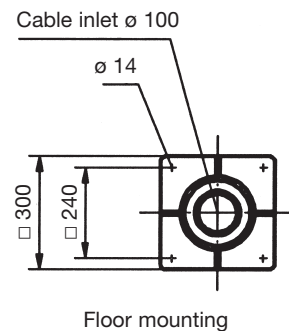
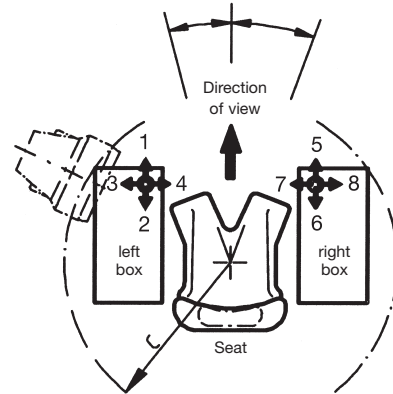
Description data look catalog 5/003/004

Permissible ambient temperature	Operation -40° C to +60° C Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Pos.			Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design	Equipment boxes 200 x 580 mm	236		KST 151	
2	Crane control unit standard design	Equipment boxes 270 x 580 mm	240		KST 152	
3						
4	Crane control unit standard design	Equipment boxes 320 x 580 mm	244		KST 154	
5	Crane control unit standard design	Equipment boxes special dimensions			KST 15x	
6	Headrest for driver's seat KFS 10					
7	additional variations for driver's seat KFS 10	look catalog 2/142				
8	Driver's seat KFS 9	look catalog 2/140			KFS 9	
9	Monitor mounting support left or right		10			
10	Footrest mounted onto swivel base adjustable ± 15 mm		8			
11						
12						
13	Plate for horizontal manual adjustment of control unit adjustable ± 250 mm		95			
14						
15	Motorized adjustment of equipment boxes vertical adjustable ± 25 mm 24 V DC					
16	Motorized adjustment of equipment boxes horizontal adjustable ± 40 mm 24 V DC					
17						
18	Motorized adjustment of control unit swivelling (drive 24 V DC, seat height + 30 mm)		18			
19	Heating 2 x 2 kW with ventilator 230 V 50 Hz airvolume ca. 300 m³/h mounted on the swivel base sidewise					
20	Multi-axis controller	look catalog 1/100				
21	Single-axis controller	look catalog 1/200				
22	Double-handle controller	look catalog 1/160				
23	Control-switch	look catalog 1/220				
24	Command and indicating devices	look catalog 1/360				
30	Terminal block 4 mm² without wiring each terminal				KL	
31	Terminal block 4 mm² with wiring wire 1,5 mm² each terminal				KL	
32	External wiring single wire highly flexible 1,5 mm² 5 metre long					
33	Additional or subtract price each metre					
40	Special painted					
41	Indicating labels not engraved with 2 or 4 arrows					
42	Engraved each 10 characters					



Type	Dimension A	Dimension B	Dimension C
KST 151	200	1000	800
KST 152	270	1140	845
KST 154	320	1240	880





The swivelling crane control unit KST 18 is ergonomically designed and provides a high grade of comfort.

The standard design includes following:

Equipment boxes: Sheet steel. The top panel of the equipment box with the devices can be raised and locked in position. Cabling is run through duct from the equipment boxes in the cross-member. (Terminal block).

Seat: Comfortable spring mounted seat KFS 9, with an oilhydraulic vibration absorption system, weight adjustment and airpermeable artificial leather or textil material.

Manual adjustments: Seat horizontally and vertically. Inclination of cushion, backrest and armrest also adjustable. Weight setting for optimum spring suspension. Equipment boxes horizontally and vertically.

Motorized adjustments: Seat with equipment boxes vertical (inclinations adjustments forward/backward). Seat with equipment boxes horizontal. Selector switches for motorized-drives are in the equipment box. Motor 24 V DC ca. 15 ampere.

Cross-member: Steel section, top of which can be raised to lay cabling. The seat with the boxes can be tilted forwards so that the cable duct in the cross-member is accessible.

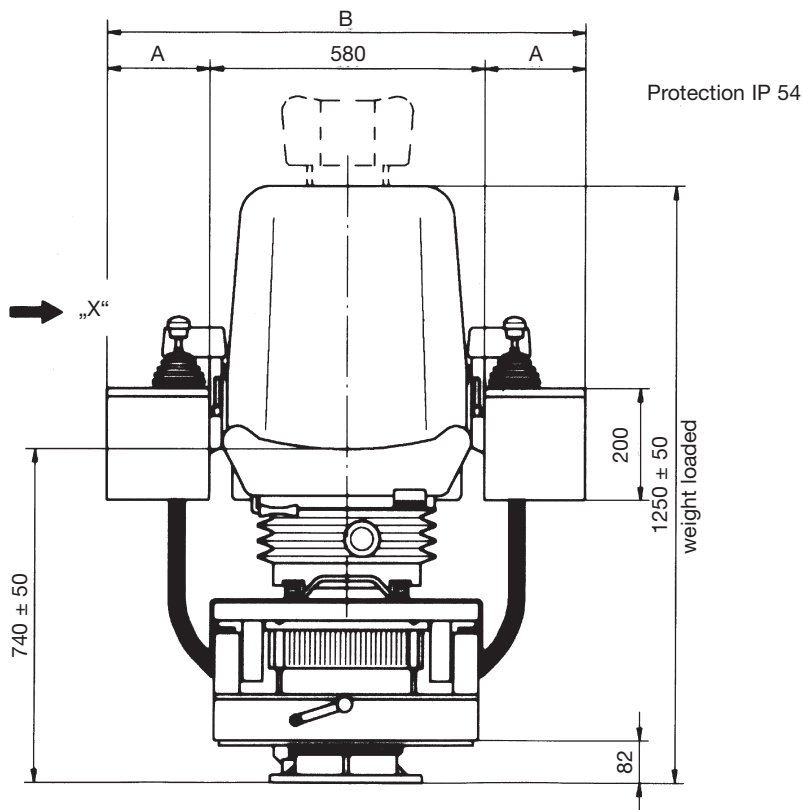
Swivel base: Zero-end-float spring-loaded bearing. Rotational movement 180° right, 90° left, stopped by friction brake.

Surface treatment: Anti-corrosion primer, top coat: 2 coats of epoxy-resin paint, standard colour RAL 7032 pebble-grey, textured varnish
All non-painted metal parts are electrogalvanized and chromed.

Description data look catalog 5/003/004

Permissible ambient temperature	Operation -40° C to +60° C Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection	IP 54 IEC 529 DIN 40050

Pos.			Weight kg	Part No.	Type	Price EURO
1	Crane control unit standard design	Equipment boxes 160 x 420 mm	148		KST 181	
2	Crane control unit standard design	Equipment boxes 200 x 420 mm	150		KST 182	
3						
4						
5	Crane control unit standard design	Equipment boxes special dimensions			KST 18x	
6	Headrest for driver's seat KFS 9					
7	additional variations for driver's seat KFS 9	look catalog 2/140				
8						
9						
10	Footrest mounted onto swivel base adjustable ± 15 mm		8			
11						
12						
13	Plate for horizontal manual adjustment of control unit adjustable ± 250 mm		95			
14						
15						
16						
17						
18	Motorized adjustment of control unit swivelling (drive 24 V DC, seat height + 30 mm)		16			
19	Heating 2 x 2 kW with ventilator 230 V 50 Hz airvolume ca. 300 m³/h mounted on the swivel base sidewise					
20	Multi-axis controller	look catalog 1/100				
21	Single-axis controller	look catalog 1/200				
22	Double-handle controller	look catalog 1/160				
23	Control-switch	look catalog 1/220				
24	Command and indicating devices	look catalog 1/360				
30	Terminal block 4 mm² without wiring each terminal				KL	
31	Terminal block 4 mm² with wiring wire 1,5 mm² each terminal				KL	
32	External wiring single wire highly flexible 1,5 mm² 5 metre long					
33	Additional or subtract price each metre					
40	Special painted					
41	Indicating labels not engraved with 2 or 4 arrows					
42	Engraved each 10 characters					



Type	Dimension A	Dimension B	Dimension C
KST 181	160	900	<625 >815
KST 182	200	980	<655 >835

