

# Pennecon Hydraulik Systems Ltd

Shipyard	Chantier Davie Canada Inc
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Hull Number	PO Number	Order Number	Equipment Number
IMO number: 6705937	PHSA030841 1/3	100211612	1100077048

## Approval Drawing

# PK50002M

**Unless we receive any comments to submitted drawings within 14 days we treat the same one's as confirmed!**

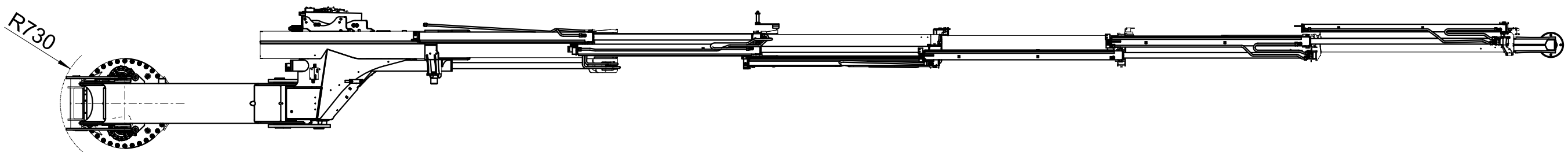
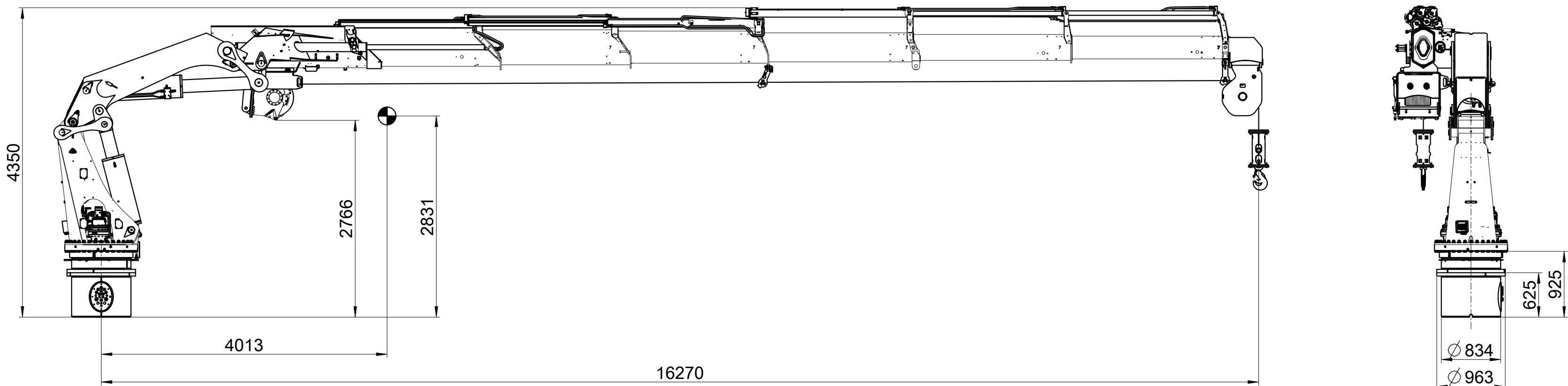
Edition	Edition description	Creator	Date
-	First issue	TET	24.06.2022
A	GA drawing replaced	TET	30.06.2022

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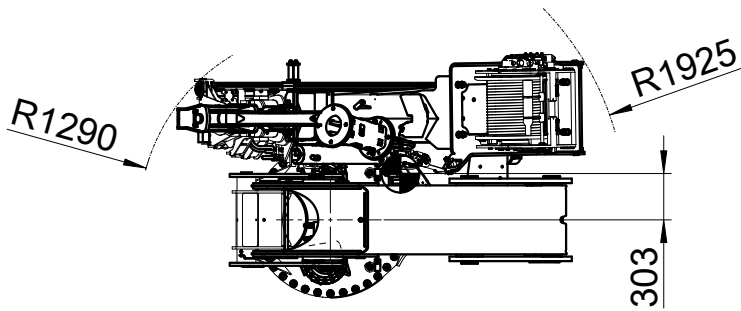
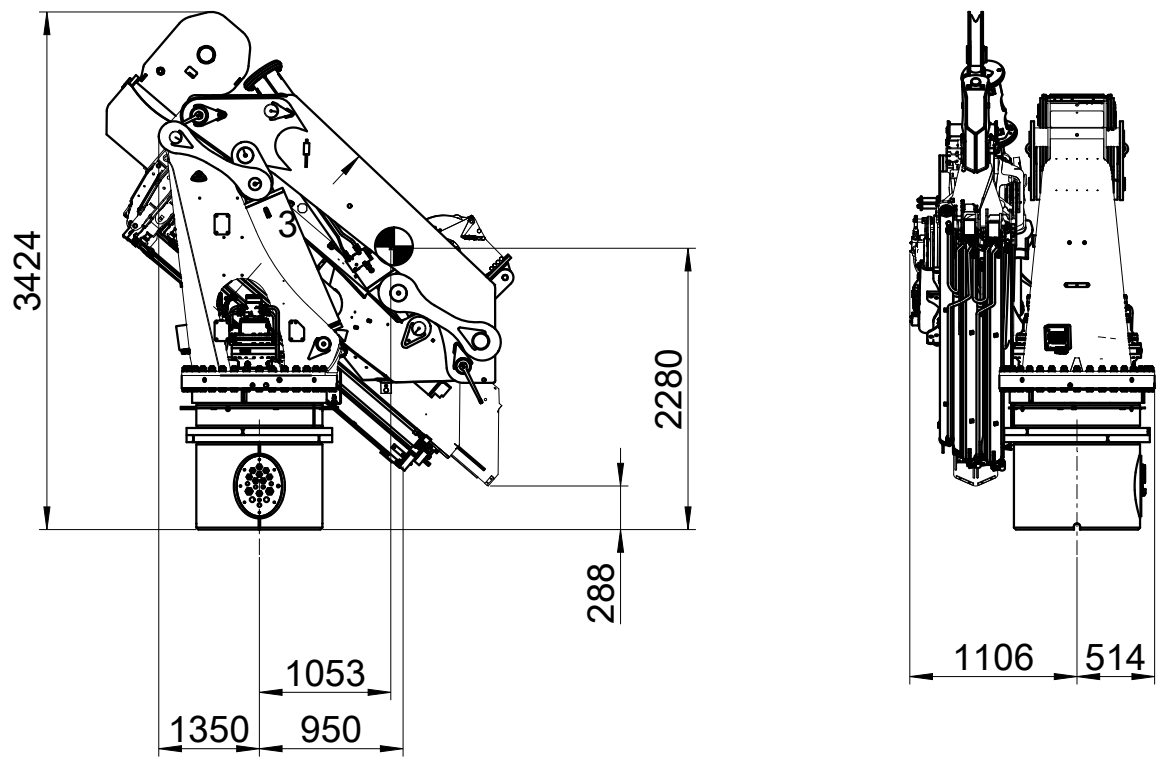
Palfinger Marine GmbH | F.-W.-Scherer Strasse 24 | 5020 Salzburg | Austria  
T +43 6216 7660 | E info-marine@palfinger.com | Sitz Salzburg | Landes- als Handelsgericht Salzburg  
FN 225413s | UID ATU 54683203 | DVR 0035548 | Zahlbar und klagbar in Salzburg

Deflection not considered.

HORIZONTAL OPERATING POSITION



FOLDED POSITION





Crane weight approx. 6300 kg (incl pedestal)

Rope winch capacity [3rd layer]: 5550 kg

Protected according to ISO 16016  
Subject to change  
Production tolerances have to be taken into account.

Classification of marine crane: HC2/HD4 S2 EN13001  
Classification of rope winch acc. FEM (1.001): M6 (T6-L2)

Description					Change-Nr.	
created	Date	Name		Material	Weight	Scale
checked	28-Apr-2022	Tekauc Tomaž		-		1:50
modified	-	-		-		
Drawing only valid in combination with PNORM 01.08.01		-		Description		
		-		General arrangement drawing		
		Legally protected according to ISO 16016				
		Design dep.	311			
				Sheet 1/1	100211612-1	
						Revision A  Rev. A.0

## Color:

● P01: Black

● P12: Red

Deep black: RAL 9005

● P02: Black Grey

● P13: Blue

Traffic red: RAL 3020

● P05: Grey

● P15: Green

Traffic yellow: RAL 1023

● P07: Pure White

● P20: Silver

Pure white: RAL 9010

● P11: Yellow

● P30: Bronzegreen

Traffic blue: RAL 5017

● F01: cutting die



---  
(safe working load)

EB17401

# **PALFINGER**

## **PK 50002 M E S6.5**

DNVGL

Shipboard harbour condition

Max. windspeed: 13.9 m/s

Max. Heel/Trim: 5°/2°

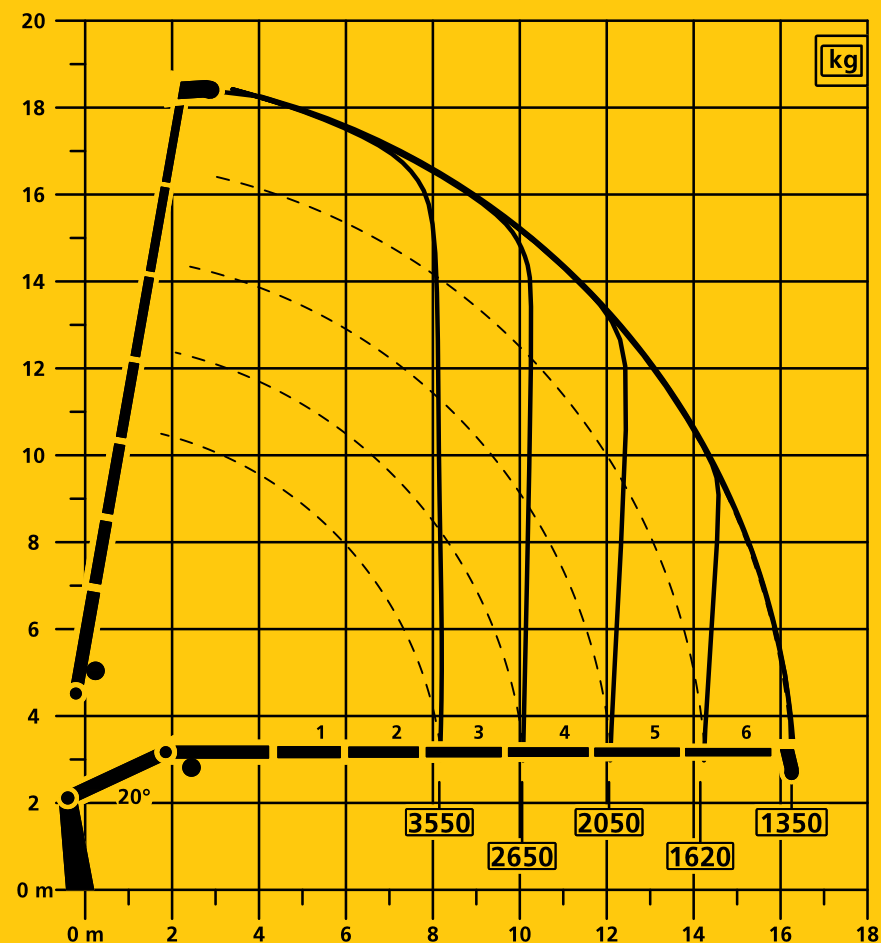
Max. winch capacity: 5550 kg

Always extend  
the first two boom extensions  
for proper winch  
spooling quality

Deflection is not considered

Load capacity [kg] depends on:

- Load capacity of the winch
- Winch operation mode  
(single line)



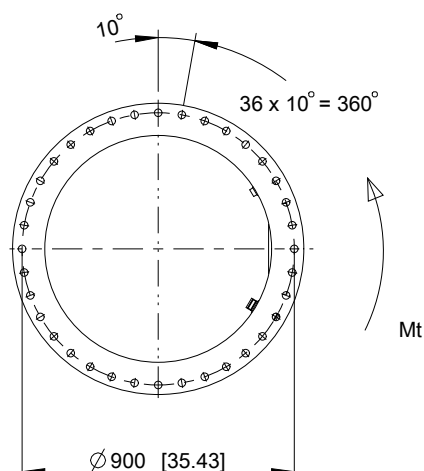
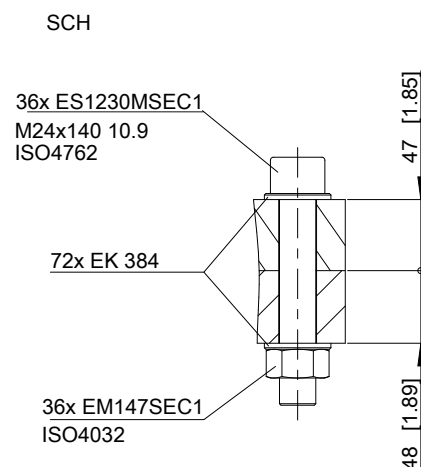
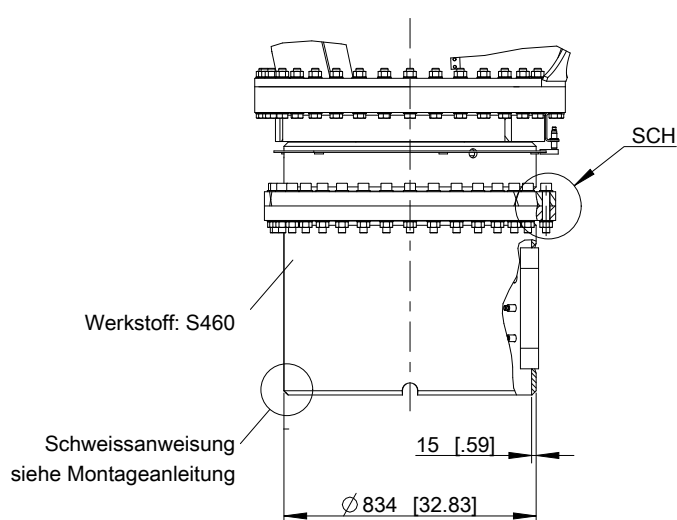
Execution:  
acc. PNORM 01.04.02  
Sign type 5

Change number: -  
Change text: -

Sign name: EB17401  
Index: -  
Sign size: 250x135 mm

Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.

Max. Hubmoment:	494,32 kNm (50,4 mt)		
Einstufung:	Crane group A/ HD4/ S2 DNVGL-ST-0377		
Max. hydraulische Reichweite:	20,5 m (67' 3")		
Schwenkbereich:	endlos		
Schwenkmoment:	68,7 kNm (7,0 mt) (50,670 ft.lb)		
Betriebsdruck:	255 bar		
Fördermenge der Pumpe:	80 - 100 l/min (21.1 - 26.4 US gpm)		
Fv max. (dynamisch):	(Krangewicht + Max. Traglast) x 1,2		
Kranmoment (dynamisch): Mb	527,5 kNm	Torsionsmoment (dynamisch): Mt	48,7 kNm



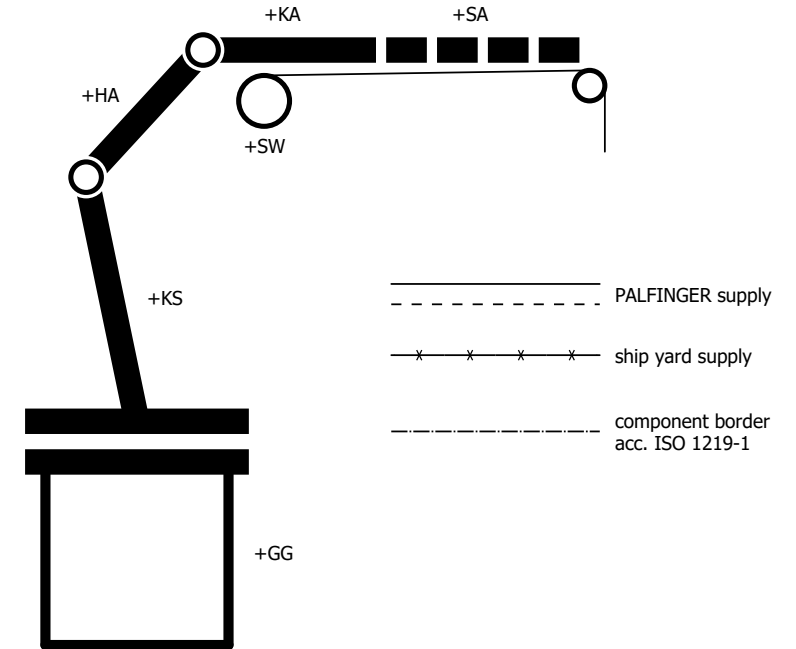


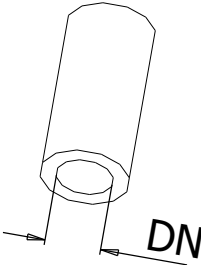
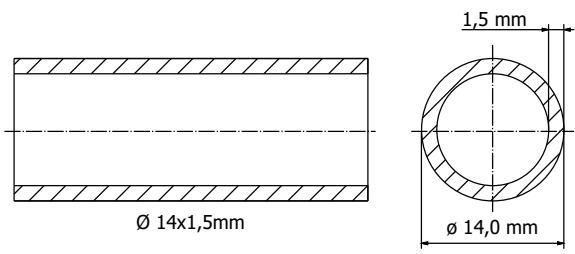
Palfinger Marine GmbH  
F.W.-Scherer Straße 24  
A-5020 Salzburg

Order number	:	100211612
Customer	:	Pennecon Hydraulic Systems Ltd.
Commission	:	DNVGL1
Country of destination	:	CAN
Equipmentnumber	:	1100077048
Included order numbers	:	100212980 - 1100077920
Type	:	PK50002ME
Internal indentification	:	CP082KM11
Revision	:	-
Revison date	:	12. 05. 2022
Final editor	:	benkoa

# Structure identifier overview

Full designation	Structure description
Higher-level function	
=A	General project datas
=F	Fluid systems (hydraulics)
+GG	Base
+HA	Main boom
+KA	Outer boom
+KS	Crane column
+PP	Power pack
+SA	Extension boom
+SS	Control station
+SW	rope winch



hose size	 DIN EN 856 4SP/SAE 100R9 DIN EN 857 2SC/SAE 100R16	DN	inch
		06	1/4
		08	5/16
		10	3/8
		12	1/2
		16	5/8
		19	3/4
		25	1
pipe size	 Ø 14x1,5mm EN ISO 1127	08S	Ø 8x1,5 mm
		10L	Ø10x1,5 mm
		12S	Ø 12x1,5 mm
		14S	Ø 14x1,5 mm
		16S	Ø 16x2 mm
		18L	Ø 18x1,5 mm
		20S	Ø 20x2 mm
		22L	Ø 22x2,5 mm
		25S	Ø 25x2,5 mm
		28L	Ø 28x2,5 mm

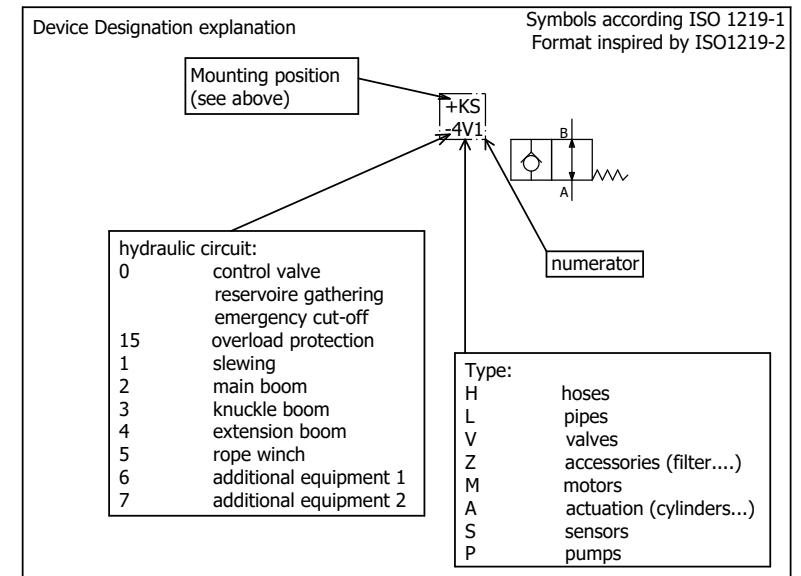


Table of contents

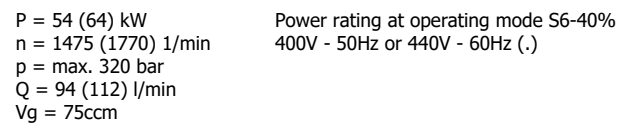
Higher-level function	Page	Page description	Date	Edited by
A	1	Title page / cover sheet	19. 07. 2019	urbancic
	2	Structure identifier overview	16. 05. 2022	benkoa
	3	Table of contents : =A/1 - /15	20. 06. 2022	benkoa
	4	revision overview	13. 05. 2022	benkoa
F	5	hydraulic overview	16. 05. 2022	benkoa
	6	hydraulic power unit	16. 05. 2022	benkoa
	7	control system of hydraulic pump	20. 06. 2022	benkoa
	8	control valve block	20. 06. 2022	benkoa
	9	rotary distributor	20. 06. 2022	benkoa
	10	crane functions I	20. 06. 2022	benkoa
	11	crane functions II	20. 06. 2022	benkoa
	12	rope winch	20. 06. 2022	benkoa
	13	parts list	20. 06. 2022	benkoa
	14	pipe list	20. 06. 2022	benkoa
	15	hose list	20. 06. 2022	benkoa

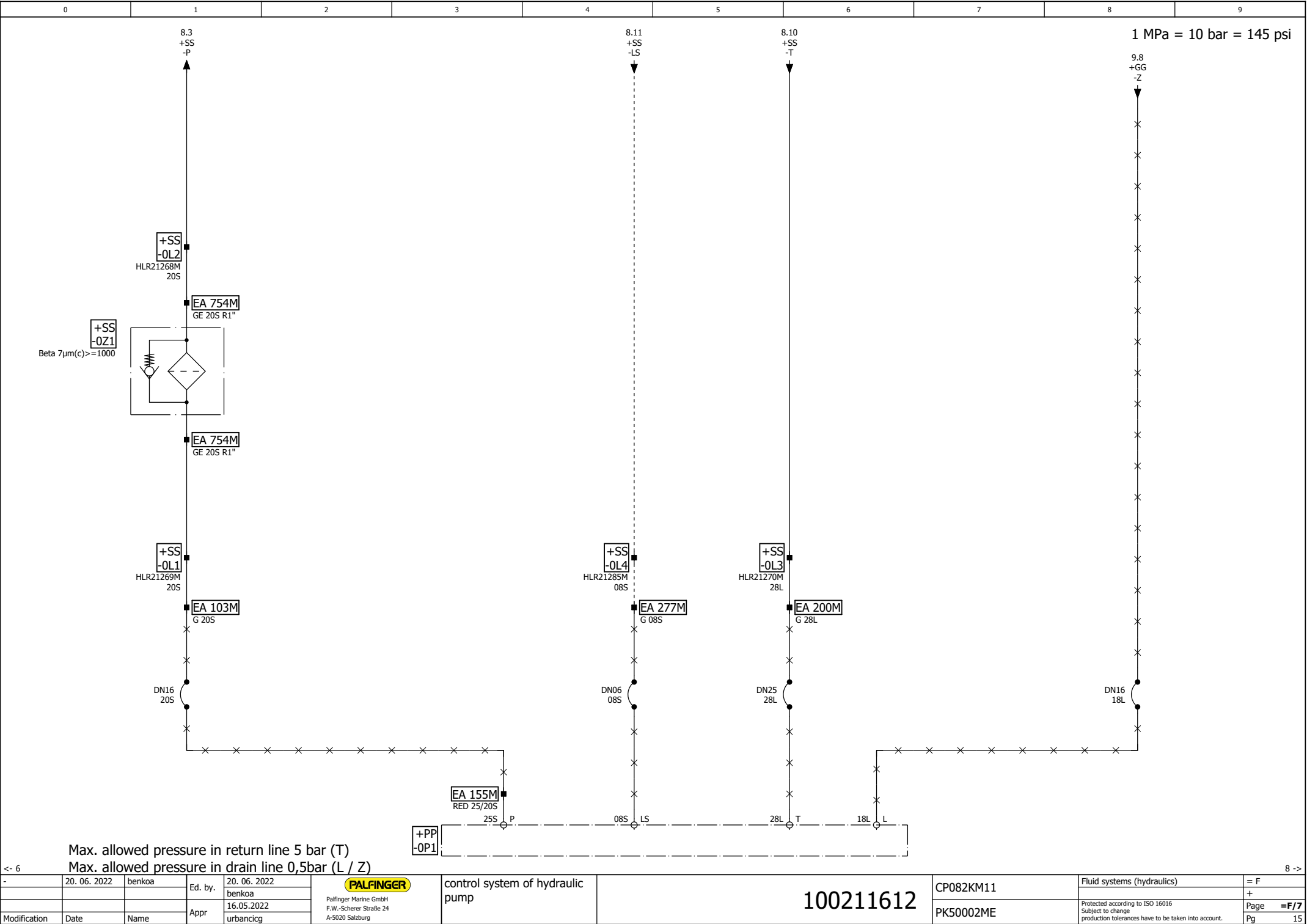
Revision overview

Revision name	Revision description	Creator	Date
-	first issue	benkoa	12. 05. 2022



Fluid systems (hydraulics)	= F
	+
Protected according to ISO 16016	Page = F/5
Subject to change	Pg 15
production tolerances have to be taken into account.	

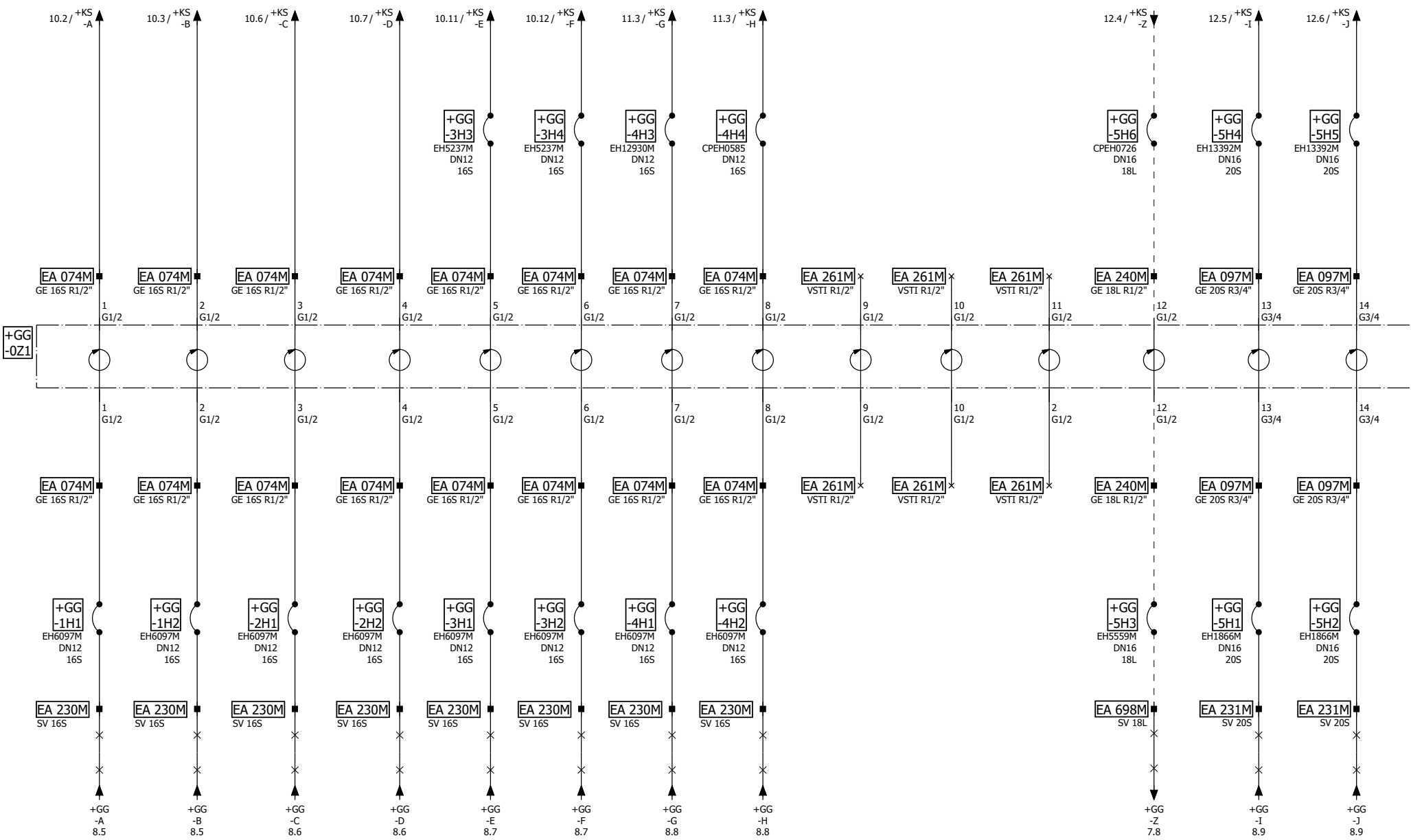






0	1	2	3	4	5	6	7	8	9
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1 MPa = 10 bar = 145 psi

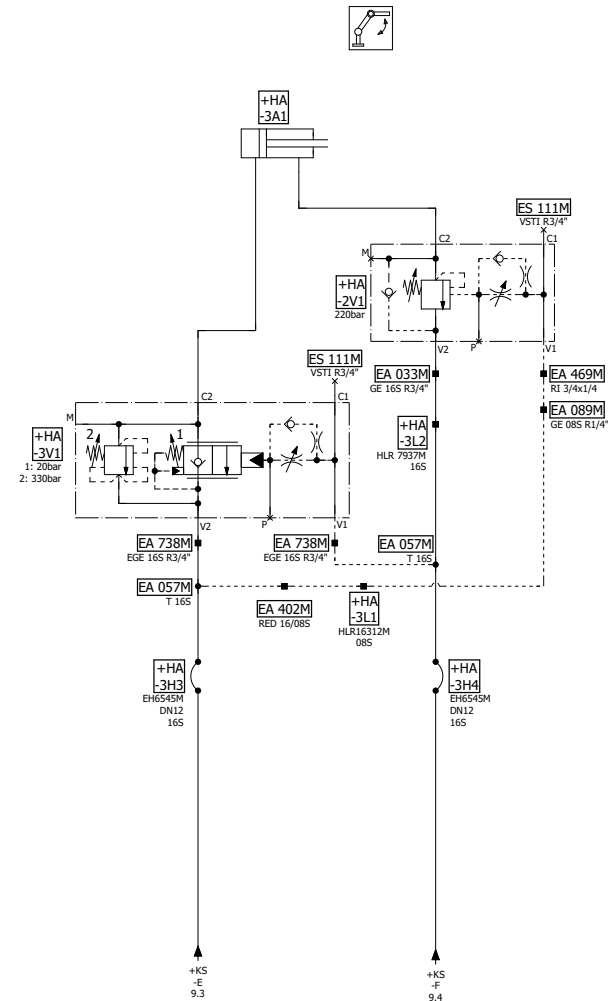
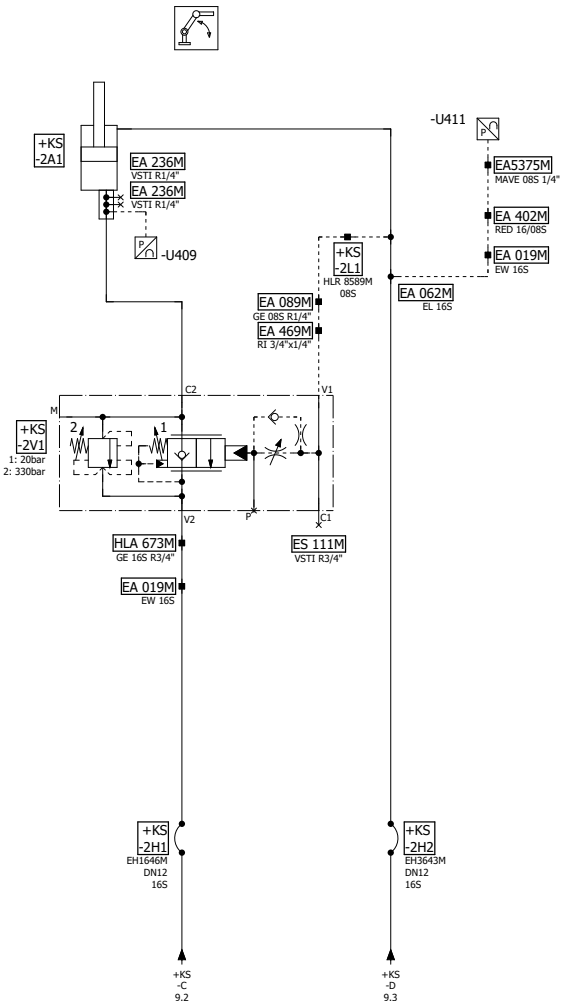
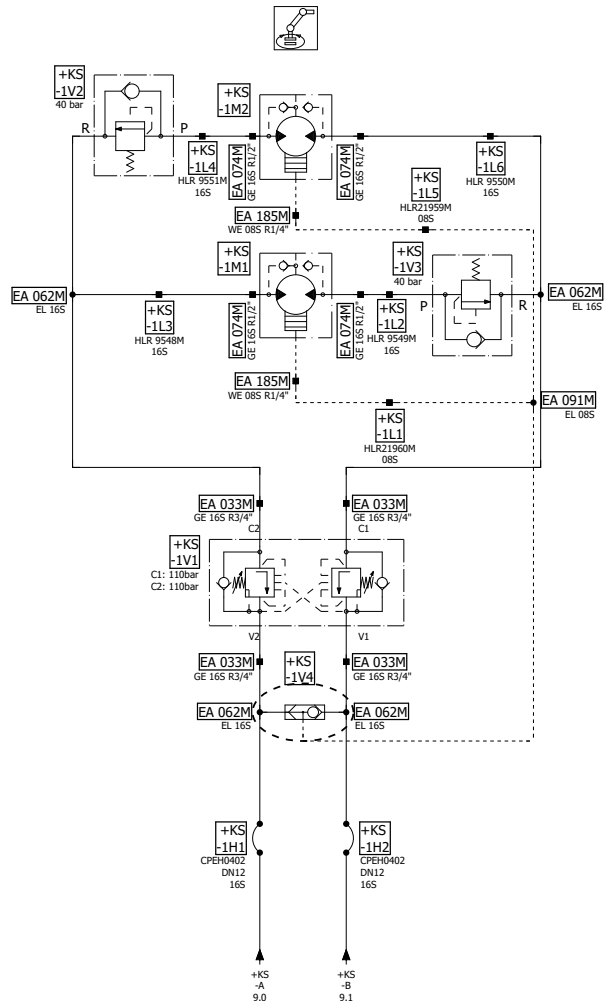
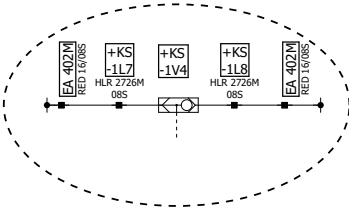


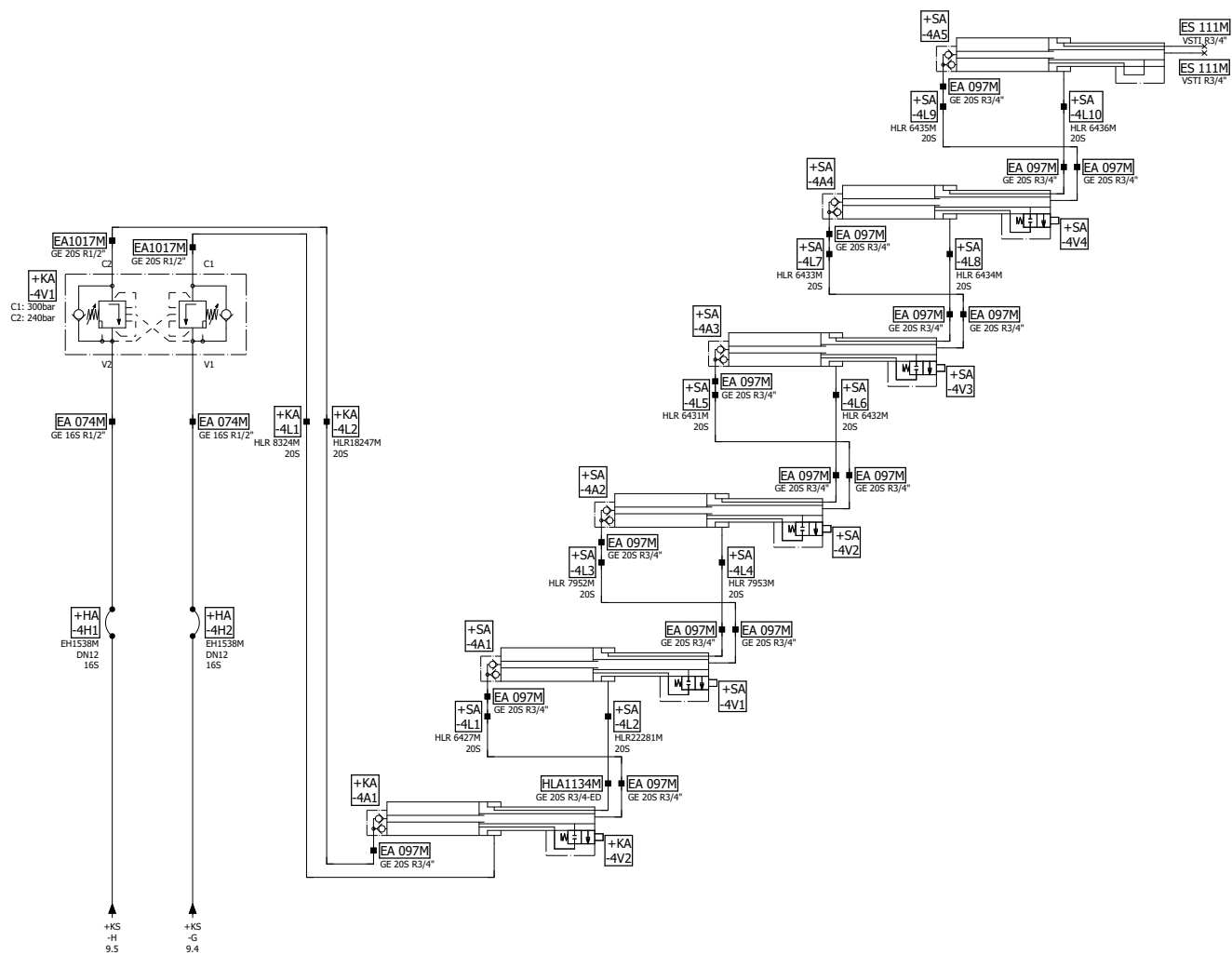
Max. allowed pressure in return line 5 bar (T)  
Max. allowed pressure in drain line 0,5bar (L / Z)

Max. allowed pressure in drain line 0,5bar (L / Z)											10 ->
-	20. 06. 2022	benkoa	Ed. by.	20. 06. 2022	<b>PALFINGER</b>  Palfinger Marine GmbH F.W.-Scherer Straße 24 A-5020 Salzburg	rotary distributor	100211612	CP082KM11	Fluid systems (hydraulics)	= F	
				benkoa							+
				16.05.2022							
Modification	Date	Name	Appr	urbancicg				PK50002ME	Protected according to ISO 16016 Subject to change production tolerances have to be taken into account.	Page =F/9 Pg 15	

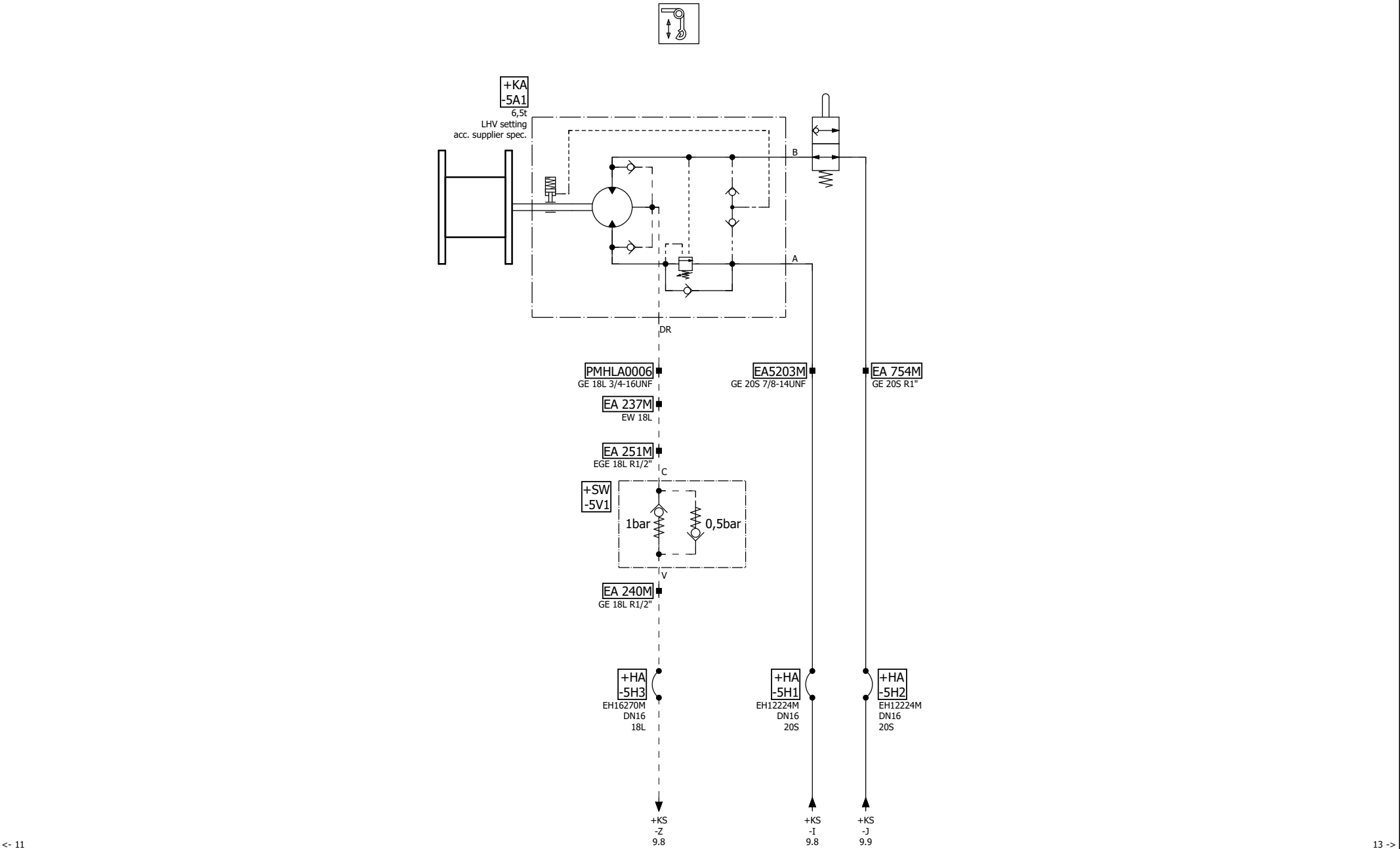


0	1	2	3	4	5	6	7	8	9	10	11	12	13
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[illegible]

1 MPa = 10 bar = 145 psi





Material parts list

Device Designation	Material	Quantity	Indentification	Page
+GG-0Z1	CPUV0002	1	rotary distributor 14 ports	9.0
+PP-0P1	EP2137	1	hydraulic power unit 54kW (64kW)	7.3
+SS-0V1	KSC01071B+00147	1	PVG2000 control valve block	8.3
+SS-0V1	HLA1130	1	emergency stop override	8.3
+SS-0Z1	EA4924	1	high pressure filter	7.1
+SS-0Z1	EA4925	1	filter cartridge	7.1
+SS-0Z3	EA5378M	1	measurement connection VKA 3/08S	8.11
+KS-1M1	BZ356ASEC	1	slewing drive complete	10.2
+KS-1M2	BZ356ASEC	1	slewing drive complete	10.2
+KS-1V1	EV1826	1	load holding valve double acting	10.2
+KS-1V2	UV388M	1	pretention valve	10.1
+KS-1V3	UV388M	1	pretention valve	10.3
+KS-1V4	EV 093	1	shuttle valve WV 08S	10.2
+HA-2V1	EV1565	1	load holding valve	10.12
+KS-2A1	UP1361ANM	1	main cylinder	10.5
+KS-2V1	EV3880A	1	load holding valve	10.5
+HA-3A1	UP1362ANM	1	outer cylinder	10.11
+HA-3V1	EV3880A	1	load holding valve	10.10
+KA-4A1	UP1059CNM	1	extension cylinder	11.5
+KA-4V1	EV1563+00001	1	load holding valve double-acting	11.3
+KA-4V2	UV223CM	1	sequence valve	11.6
+SA-4A1	UP1054CNM	1	extension cylinder	11.6
+SA-4A2	UP1055ANM	1	extension cylinder	11.7
+SA-4A3	UP1051ANM	1	extension cylinder	11.7
+SA-4A4	UP3471NM	1	extension cylinder	11.8
+SA-4A5	UP3471NM	1	extension cylinder	11.9
+SA-4V1	UV223CM	1	sequence valve	11.7
+SA-4V2	UV223CM	1	sequence valve	11.8
+SA-4V3	UV223CM	1	sequence valve	11.9

+SA-4V4	UV223CM	1	sequence valve	11.10
+KA-5A1	PMEP0005+00005DG1	1	rope winch 6,5t	12.3
+SW-5V1	EV8154	1	check valve 1/2" (1bar/0,5bar)	12.4

Material parts list

Device Designation	Material	Quantity	Indentification	Page
+SS-0L1	HLR21269M	1	Pressure pipe 24° D20.0x2.0	7.1
+SS-0L2	HLR21268M	1	Pressure pipe 24° D20.0x2.0	7.1
+SS-0L3	HLR21270M	1	Pressure pipe 24° D28.0x2.5	7.6
+SS-0L4	HLR21285M	1	Pressure pipe 24° D08.0x1.5	7.4
+KS-1L1	HLR21960M	1	Pressure pipe 24° D08.0x1.5	10.3
+KS-1L2	HLR 9549M	1	Pressure pipe 24° D16.0x2.0	10.3
+KS-1L3	HLR 9548M	1	Pressure pipe 24° D16.0x2.0	10.1
+KS-1L4	HLR 9551M	1	Pressure pipe 24° D16.0x2.0	10.2
+KS-1L5	HLR21959M	1	Pressure pipe 24° D08.0x1.5	10.3
+KS-1L6	HLR 9550M	1	Pressure pipe 24° D16.0x2.0	10.4
+KS-1L7	HLR 2726M	1	Pressure pipe 24° D08.0x1.5	10.2
+KS-1L8	HLR 2726M	1	Pressure pipe 24° D08.0x1.5	10.3
+SS-1L1	HLR21272M	1	Pressure pipe 24° D16.0x2.0	8.5
+SS-1L2	HLR21271M	1	Pressure pipe 24° D16.0x2.0	8.5
+KS-2L1	HLR 8589M	1	Pressure pipe 24° D08.0x1.5	10.7
+SS-2L1	HLR21272M	1	Pressure pipe 24° D16.0x2.0	8.6
+SS-2L2	HLR21271M	1	Pressure pipe 24° D16.0x2.0	8.6
+HA-3L1	HLR16312M	1	Pressure pipe 24° D08.0x1.5	10.12
+HA-3L2	HLR 7937M	1	Pressure pipe 24° D16.0x2.0	10.12
+SS-3L1	HLR21272M	1	Pressure pipe 24° D16.0x2.0	8.7
+SS-3L2	HLR21271M	1	Pressure pipe 24° D16.0x2.0	8.7
+KA-4L1	HLR 8324M	1	Pressure pipe 24° D20.0x2.0	11.4
+KA-4L2	HLR18247M	1	Pressure pipe 24° D20.0x2.0	11.4
+SA-4L1	HLR 6427M	1	Pressure pipe 24° D20.0x2.0	11.6
+SA-4L2	HLR22281M	1	Pressure pipe 24° D20.0x2.0	11.7
+SA-4L3	HLR 7952M	1	Pressure pipe 24° D20.0x2.0	11.7
+SA-4L4	HLR 7953M	1	Pressure pipe 24° D20.0x2.0	11.7
+SA-4L5	HLR 6431M	1	Pressure pipe 24° D20.0x2.0	11.7
+SA-4L6	HLR 6432M	1	Pressure pipe 24° D20.0x2.0	11.8

+SA-4L7	HLR 6433M	1	Pressure pipe 24° D20.0x2.0	11.8
+SA-4L8	HLR 6434M	1	Pressure pipe 24° D20.0x2.0	11.9
+SA-4L9	HLR 6435M	1	Pressure pipe 24° D20.0x2.0	11.9
+SA-4L10	HLR 6436M	1	Pressure pipe 24° D20.0x2.0	11.10
+SS-4L1	HLR21272M	1	Pressure pipe 24° D16.0x2.0	8.8
+SS-4L2	HLR21271M	1	Pressure pipe 24° D16.0x2.0	8.8
+SS-5L1	HLR21281M	1	Pressure pipe 24° D20.0x2.0	8.9
+SS-5L2	HLR21280M	1	Pressure pipe 24° D20.0x2.0	8.9

Material parts list

Device Designation	Material	Quantity	Indentification	Page
+GG-1H1	EH6097M	1	Hydraulic hose 24° DN12x01700	9.0
+GG-1H2	EH6097M	1	Hydraulic hose 24° DN12x01700	9.1
+KS-1H1	CPEH0402	1	Hydraulic hose 24° DN12x00900	10.2
+KS-1H2	CPEH0402	1	Hydraulic hose 24° DN12x00900	10.3
+GG-2H1	EH6097M	1	Hydraulic hose 24° DN12x01700	9.2
+GG-2H2	EH6097M	1	Hydraulic hose 24° DN12x01700	9.3
+KS-2H1	EH1646M	1	Hydraulic hose 24° DN12x01400	10.6
+KS-2H2	EH3643M	1	Hydraulic hose 24° DN12x01300	10.7
+GG-3H1	EH6097M	1	Hydraulic hose 24° DN12x01700	9.3
+GG-3H2	EH6097M	1	Hydraulic hose 24° DN12x01700	9.4
+GG-3H3	EH5237M	1	Hydraulic hose 24° DN12x01800	9.3
+GG-3H4	EH5237M	1	Hydraulic hose 24° DN12x01800	9.4
+HA-3H3	EH6545M	1	Hydraulic hose 24° DN12x01100	10.11
+HA-3H4	EH6545M	1	Hydraulic hose 24° DN12x01100	10.12
+GG-4H1	EH6097M	1	Hydraulic hose 24° DN12x01700	9.4
+GG-4H2	EH6097M	1	Hydraulic hose 24° DN12x01700	9.5
+GG-4H3	EH12930M	1	Hydraulic hose 24° DN12x02000	9.4
+GG-4H4	CPEH0585	1	Hydraulic hose 24° DN12x01870	9.5
+HA-4H1	EH1538M	1	Hydraulic hose 24° DN12x05000	11.3
+HA-4H2	EH1538M	1	Hydraulic hose 24° DN12x05000	11.3
+GG-5H1	EH1866M	1	Hydraulic hose 24° DN16x01700	9.8
+GG-5H2	EH1866M	1	Hydraulic hose 24° DN16x01700	9.9
+GG-5H3	EH5559M	1	Hydraulic hose 24° DN16x01700	9.8
+GG-5H4	EH13392M	1	Hydraulic hose 24° DN16x01800	9.8
+GG-5H5	EH13392M	1	Hydraulic hose 24° DN16x01800	9.9
+GG-5H6	CPEH0726	1	Hydraulic hose 24° DN16x01800	9.8
+HA-5H1	EH12224M	1	Hydraulic hose 24° DN16x06900	12.5
+HA-5H2	EH12224M	1	Hydraulic hose 24° DN16x06900	12.6
+HA-5H3	EH16270M	1	Hydraulic hose 24° DN16x06900	12.4

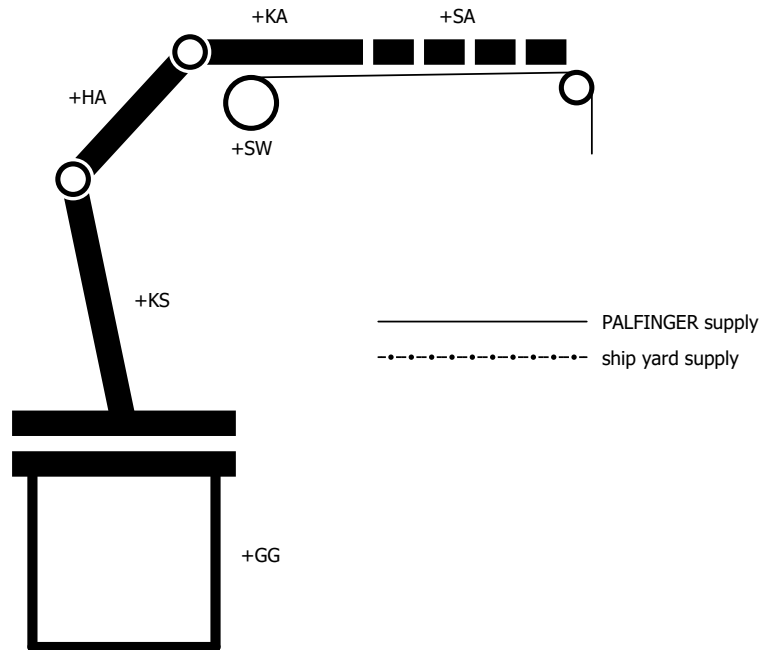


Palfinger Marine GmbH  
F.W.-Scherer Strasse 24  
A-5020 Salzburg

Order number	:	100211612
Customer	:	Pennecon Hydraulic Systems Ltd.
Commission	:	-
Country of destination	:	CAN
Equipmentnumber	:	1100077048
Included order numbers : 100212980 - 1100077920		
Type	:	PK50002
Internal indentification	:	CP082KM11
Revision : _		
Revision date : 7. 06. 2022		
Final editor : macek		

# Structure identifier overview

Full designation	Structure description
Higher-level function	
=A	General project datas
=E	Electrical systems
+GG	Base
+KA	Outer boom
+KS	Crane column
+SS	Control station
+SW	rope winch



## Cable color

Color Code (IEC 757)	Full name
BK	BLACK
BN	BROWN
RD	RED
OG	ORANGE
YE	YELLOW
GN	GREEN
BU	BLUE
VT	VIOLETT
GY	GREY
WH	WHITE
PK	PINK

## Cable size

Size (IEC 60228)	Size (IEC 60228)
0,5	25
0,75	35
1	50
1,5	70
2,5	
4	
6	
10	
16	

Device designation explanation		Mounting position (see above)
		+SS -Y0
Type of device	Activation	Feedback/signal
Valves, control valve actuators	-Y	-B
Pressure transducers		-U
Pressure switches		-B
Manual switches		-S
Indications, lights	-H	
Acustical devices	-H	
Remote control, controller, display	-X	
Terminal strips, junction boxes	-XX	

<- 1

			Ed. by.	6. 06. 2022 macek	 Palfinger Marine GmbH F.W.-Scherer Strasse 24 A-5020 Salzburg	Structure identifier overview	100211612	CP082KM11	General project datas		= A
Modification	Date	Name	Appr	6. 06. 2022 germannw							+
								PK50002	Protected according to ISO 16016 subject to change production tolerances have to be taken into account.		Page <b>2</b>
											Pg 15

3 ->

Table of contents

Higher-level function	Page	Page description	Date	Edited by
A	1	Title page / cover sheet	18. 01. 2017	macek
	2	Structure identifier overview	6. 06. 2022	macek
	3	Table of contents : =A/1 - =A/15	7. 06. 2022	macek
	4	revision overview	7. 06. 2022	macek
E	5	Connect diagram	6. 06. 2022	macek
	6	Block diagram	6. 06. 2022	macek
	7	Block diagram	7. 06. 2022	macek
	8	Circuit diagram Supply, Fuses	6. 06. 2022	macek
	9	Circuit diagram C70	6. 06. 2022	macek
	10	Circuit diagram C71	7. 06. 2022	macek
	11	plug overview PT040	6. 06. 2022	macek
A	12	Cable diagram : W0 : W1 : W2.1 : W5.1 : W6 : W10	6. 06. 2022	macek
	13	Cable diagram : W11 : W30 : W70 : W71	6. 06. 2022	macek
	14	Cable diagram : W310 : W312 : W314 : W316 : W318 : W400 : W409 : W411 : W500	6. 06. 2022	macek
	15	Parts list	7. 06. 2022	macek

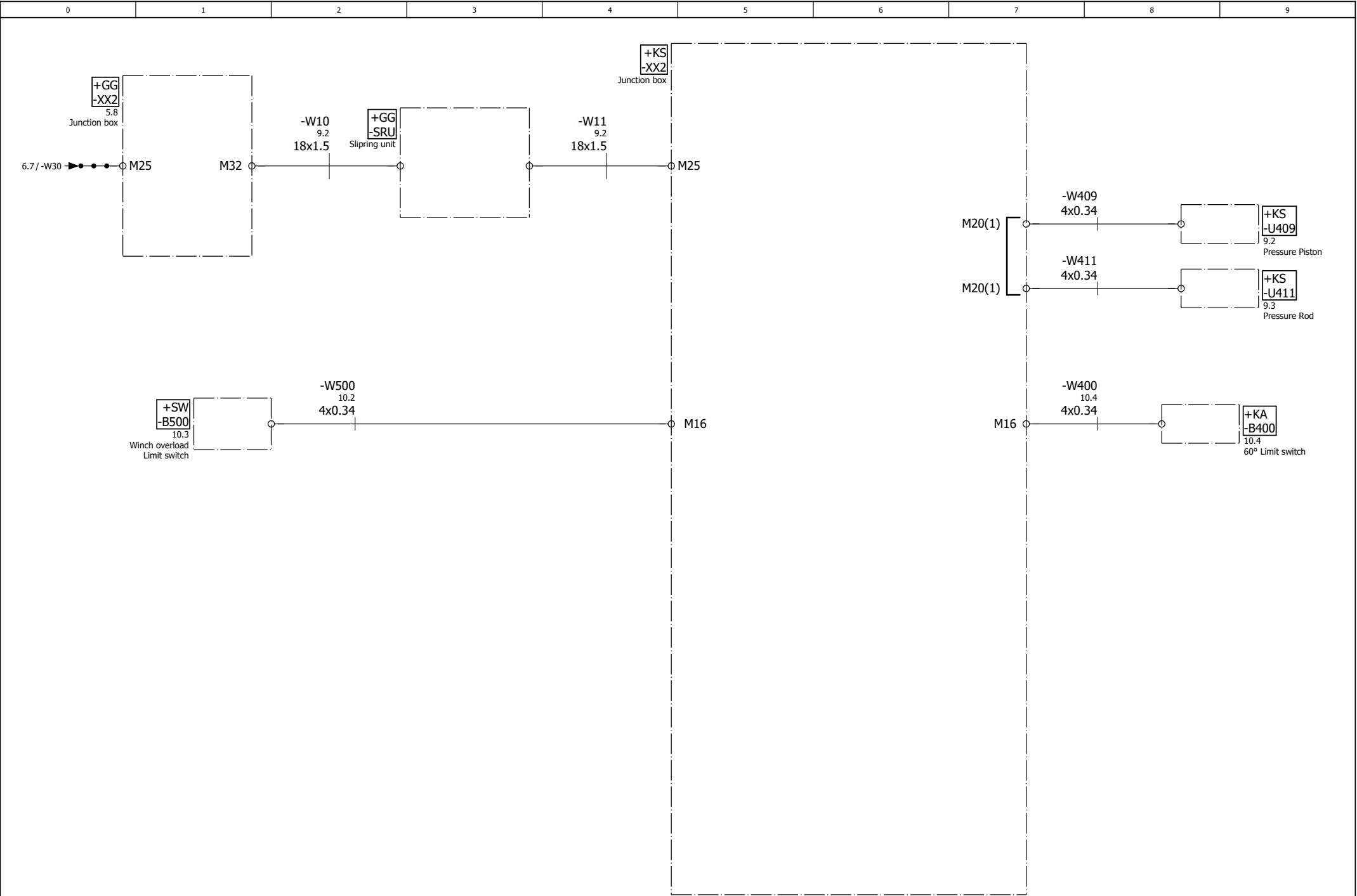
Revision overview

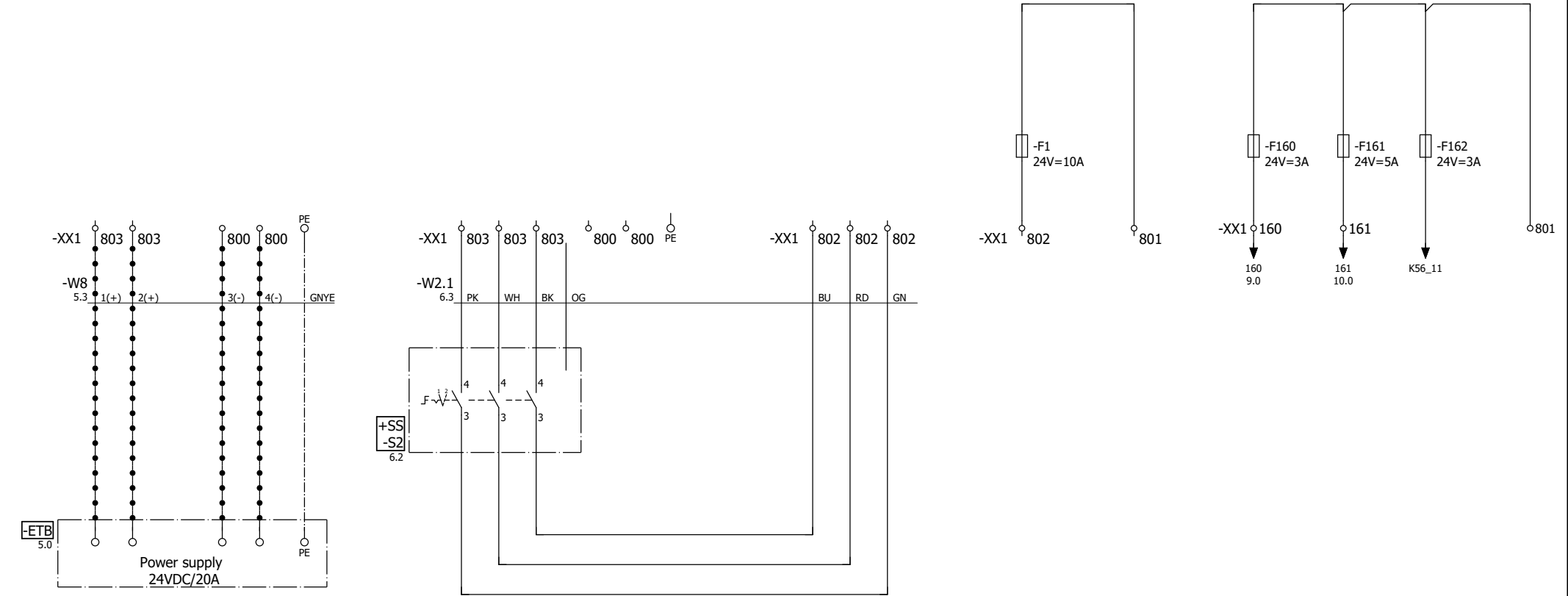
Revision name	Revision description	Creator	Date
–	First issue	macek	7. 06. 2022



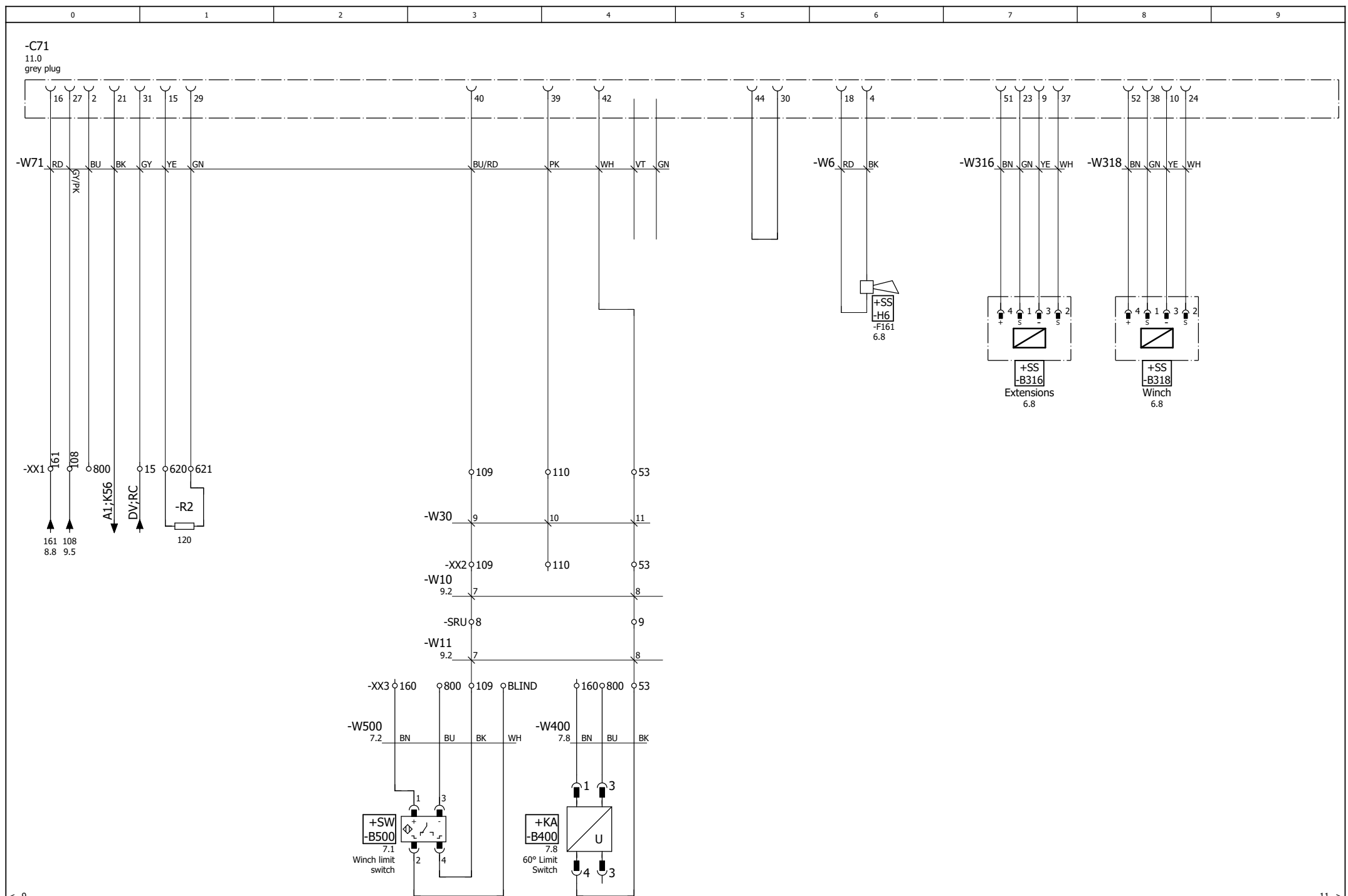












			Ed. by.	7. 06. 2022 macek	<div></div> <div>Palfinger Marine GmbH F.W.-Schierer Strasse 24 A-5020 Salzburg</div>	Circuit diagram C71	<div></div>	100211612	CP082KM11	Electrical systems	= E	
												+
Modification	Date	Name	Appr	7. 06. 2022 germannw								PK50002

PT040

Grey plugBlue plug



-C7110.0

Grey plug

14		28		42	W71	53	(WH)	56	
13		27	W71	108	(GY/PK)	41		55	
12		26		40	W71	109	(BU/RD)	54	
11		25		39	W71	110	(PK)	53	
10	W318	B318	(YE)	24	W318	B318	(WH)	38	W318
9	W316	B316	(YE)	23	W316	B316	(GN)	37	W316
8		22		36		51	W316	B316	(BN)
7		21	W71	(K56	(BK))	35		50	
6		20		34		49		48	
5		19		33		47		46	
4	W6	H6	(BK)	18	W6	H6	(RD)	32	
3		17		31	W71	15	(GY)	45	
2	W71	800	(BU)	16	W71	161	(RD)	30	jumper
1		15	W71	620	(YE)	29	W71	621	(GN)
						43		44	jumper

-C709.0Blue plug

14	W0	Y0	(GN)	28	W0	Y32	(WH)	42	W5	(H5	(RD))	56	W70	160	(RD)
13				27	W0	Y0	(YE)	41	W5	(H5	(BK))	55	W70	800	(BU)
12				26	W70	103	(VT)	40	W70	104	(BN)	54			
11				25	W70	105	(WH)	39	W70	106	(GY/PK)	53			
10				24				38				52			
9				23				37				51			
8				22				36				50			
7				21				35				49			
6	W310	B310	(YE)	20	W310	B310	(GN)	34	W310	B310	(WH)	48	W310	B310	(BN)
5	W312	B312	(YE)	19	W312	B312	(GN)	33	W312	B312	(WH)	47	W312	B312	(BN)
4	W314	B314	(YE)	18	W314	B314	(GN)	32	W314	B314	(WH)	46	W314	B314	(BN)
3				17	W70	101	(GY)	31	W70	107	(PK)	45			
2				16	W70	102	(BK)	30				44			
1				15	W70	628	(YE)	29	W70	629	(GN)	43			

# Cable diagram

W0		4x0.75				
Page / column		Connection point	Conductor		Connection point	Page / column
9.5	-C70		BN			9.5
9.5	-C70	C70:14	GN	+SS-Y0	1	9.5
9.5	-C70	C70:28	WH			9.5
9.5	-C70	C70:27	YE	+SS-Y0	3	9.5
6.1	+SS-H5			+SS-Y0		6.1

W1		4G70				
Page / column		Connection point	Conductor		Connection point	Page / column
5.1						5.1

W2.1		7x1,5				
Page / column		Connection point	Conductor		Connection point	Page / column
8.3	+SS-S2	3	RD	-XX1	802	8.5
8.3	+SS-S2	3	BU	-XX1	802	8.5
8.3	+SS-S2	4	BK	-XX1	803	8.3
8.3	+SS-S2	4	WH	-XX1	803	8.3
			OR			
8.2	+SS-S2	3	GN	-XX1	802	8.5
8.2	+SS-S2	4	PK	-XX1	803	8.2
8.3	+SS-S2		OG	-XX1		8.3
6.2	+SS-S2	PG13.5		+SS-XX1	M20	6.3

W5.1		2x0.5				
Page / column		Connection point	Conductor		Connection point	Page / column
9.6	-C70	C70:41	BK	+SS-H5		9.6
9.6	-C70	C70:42	RD	+SS-H5		9.6
6.4	-C70	Blue		+SS-H5		6.1
6.4	+SS-XX1	M32(1)		+SS-H5		6.1

W6		2x0.5				
Page / column		Connection point	Conductor		Connection point	Page / column
10.6	-C71	C71:4	BK	+SS-H6		10.6
10.6	-C71	C71:18	RD	+SS-H6		10.6
6.6	-C71	Grey		+SS-H6		6.8

W10		18x1.5				
Page / column		Connection point	Conductor		Connection point	Page / column
9.2	-SRU	2	1	-XX2	160	9.2
9.2	-SRU	3	2	-XX2	800	9.2
9.2	-SRU	4	3	-XX2	103	9.2
9.2	-SRU	5	4	-XX2	104	9.2
9.3	-SRU	6	5	-XX2	105	9.3
9.4	-SRU	7	6	-XX2	106	9.4
10.3	-SRU	8	7	-XX2	109	10.3
10.4	-SRU	9	8	-XX2	53	10.4
7.2	+GG-SRU			+GG-XX2		7.1

Cable diagram

W11			18x1.5			
Page / column		Connection point	Conductor		Connection point	Page / column
9.2	-SRU	2	1	-XX3	160	9.2
9.2	-SRU	3	2	-XX3	800	9.2
9.2	-SRU	4	3	-XX3	103	9.2
9.2	-SRU	5	4	-XX3	104	9.2
9.3	-SRU	6	5	-XX3	105	9.3
9.4	-SRU	7	6	-XX3	106	9.4
10.3	-SRU	8	7	-XX3	109	10.3
10.4	-SRU	9	8	-XX3	53	10.4
7.3	+GG-SRU			+KS-XX2		7.4

W30			12x0.75 5 m			
Page / column		Connection point	Conductor		Connection point	Page / column
9.2	-XX1	160	1	-XX2	160	9.2
9.2	-XX1	800	2	-XX2	800	9.2
9.2	-XX1	103	3	-XX2	103	9.2
9.2	-XX1	104	4	-XX2	104	9.2
9.3	-XX1	105	5	-XX2	105	9.3
9.4	-XX1	106	6	-XX2	106	9.4
9.4	-XX1	107	7	-XX2	107	9.4
9.5	-XX1	108	8	-XX2	108	9.5
10.3		109	9	-XX2	109	10.3
10.4		110	10	-XX2	110	10.4
10.4		53	11	-XX2	53	10.4
9.2			GNYE			9.2
5.8	+GG-XX2			SIGNALS		5.7

6.5	+SS-XX1	M25				7.0
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W70			12x0.75			
Page / column		Connection point	Conductor		Connection point	Page / column
9.0	-XX1	102	BK	-C70	C70:16	9.0
9.2	-XX1	104	BN	-C70	C70:40	9.2
9.0	-XX1	800	BU	-C70	C70:55	9.0
9.1	-XX1	629	GN	-C70	C70:29	9.1
9.1	-XX1	101	GY	-C70	C70:17	9.1
9.4	-XX1	106	GY/PK	-C70	C70:39	9.4
9.4	-XX1	107	PK	-C70	C70:31	9.4
9.0	-XX1	160	RD	-C70	C70:56	9.0
9.2	-XX1	103	VT	-C70	C70:26	9.2
9.3	-XX1	105	WH	-C70	C70:25	9.3
9.1	-XX1	628	YE	-C70	C70:15	9.1

W71			12x0.75			
Page / column		Connection point	Conductor		Connection point	Page / column
10.0	-XX1	800	BU	-C71	C71:2	10.0
10.3		109	BU/RD	-C71	C71:40	10.3
10.1	-XX1	621	GN	-C71	C71:29	10.1
10.1	-XX1	15	GY	-C71	C71:31	10.1
10.0	-XX1	108	GY/PK	-C71	C71:27	10.0
10.4		110	PK	-C71	C71:39	10.4
10.0	-XX1	161	RD	-C71	C71:16	10.0
10.4		53	WH	-C71	C71:42	10.4
10.1	-XX1	620	YE	-C71	C71:15	10.1
6.8	+SS-H6			+SS-XX1	M32(1)	6.5



Cable diagram

W310			4x0.75			
Page / column		Connection point	Conductor		Connection point	Page / column
6.1	+SS-B310			+SS-H5		6.1

W312			4x0.75			
Page / column		Connection point	Conductor		Connection point	Page / column
6.1	+SS-B312			+SS-H5		6.1

W314			4x0.75			
Page / column		Connection point	Conductor		Connection point	Page / column
6.1	+SS-B314			+SS-H5		6.1

W316			4x0.75			
Page / column		Connection point	Conductor		Connection point	Page / column
6.8				+SS-H6		6.8

W318			4x0.75			
Page / column		Connection point	Conductor		Connection point	Page / column
6.8				+SS-H6		6.8

W400			4x0.34			
Page / column		Connection point	Conductor		Connection point	Page / column
10.4		4	BK	-XX3	53	10.4
10.4		1	BN	-XX3	160	10.4
10.4		3	BU	-XX3	800	10.4

7.8	+KA-B400			+KS-XX2		7.7
W409		4x0.34				
Page / column		Connection point	Conductor		Connection point	Page / column
7.8	+KS-U409			+KS-XX2		7.7
W411		4x0.34				
Page / column		Connection point	Conductor		Connection point	Page / column
7.8	+KS-U411			+KS-XX2		7.7
W500		4x0.34				
Page / column		Connection point	Conductor		Connection point	Page / column
10.3	-XX3	109	BK	+SW-B500	4	10.3
10.2	-XX3	160	BN	+SW-B500	1	10.3
10.3	-XX3	800	BU	+SW-B500	3	10.3
10.3	-XX3	BLIND	WH	+SW-B500	2	10.3
7.4	+KS-XX2			+SW-B500		7.2

Material parts list

Device Designation	Material	Quantity	Indentification	Page
-ETB	EEA13928	1	Electric terminal box 55kW / 66kW	5.0
-F1	EEA3186	1	Fuse 10A	8.6
-F1	EEA6078	1	Terminal block for fuse	8.6
-F160	EEA6078	1	Terminal block for fuse	8.8
-F160	EEA1803	1	Fuse 3A	8.8
-F161	EEA4577	1	Fuse 5A	8.8
-F161	EEA6078	1	Terminal block for fuse	8.8
-F162	EEA1803	1	Fuse 3A	8.9
-F162	EEA6078	1	Terminal block for fuse	8.9
-R1	EEA4456	1	Resistor 120 Ohm	9.1
-R2	EEA4456	1	Resistor 120 Ohm	10.1
W0	EEA4379	1	Cable 4x0.75 mm2 LiY(k)-11Y	6.2
W2.1	EEA 192	1	Cable YPUR-OB 7x1,5	6.3
W5.1	part of H5	1		6.2
W6	part of H6	1		6.8
W30	EEA14902	1	Cable ÖLFLEX 110 CH 12G0,75 mm2	6.6
W70	EEA4378	1	Cable 12x0.75 mm2 LiY(k)-11Y	6.4
W71	EEA4378	1	Cable 12x0.75 mm2 LiY(k)-11Y	6.5
W310	EEA4379	1	Cable 4x0.75 mm2 LiY(k)-11Y	6.2
W310	EEA2609	1	AMP Plug 4-pol Black	6.2
W312	EEA4379	1	Cable 4x0.75 mm2 LiY(k)-11Y	6.2
W312	EEA2609	1	AMP Plug 4-pol Black	6.2
W314	EEA4379	1	Cable 4x0.75 mm2 LiY(k)-11Y	6.2
W314	EEA2609	1	AMP Plug 4-pol Black	6.2
W316	EEA4379	1	Cable 4x0.75 mm2 LiY(k)-11Y	6.8
W316	EEA2609	1	AMP Plug 4-pol Black	6.8
W318	EEA4379	1	Cable 4x0.75 mm2 LiY(k)-11Y	6.8
W318	EEA2609	1	AMP Plug 4-pol Black	6.8
W400	CPEE0400	1	Plug for sensors 4-pole	7.8

W409	EEA12759	1	Plug for sensors 5-pole	7.8
W411	EEA12759	1	Plug for sensors 5-pole	7.8
W500	EEA11467M	1	Plug for valve M12 90°	7.2
+GG-SRU	EEA10982	1	Slipring 18-rings closed	7.2
+GG-XX2	EEA1566	1	Junction box Polycarbonate	7.0
+KA-B400	EEA16042	1	Angle switch step 305°	7.8
+KS-U409	EEA5762	1	pressure sensor SIL2 600/1000bar	7.8
+KS-U411	EEA5762	1	pressure sensor SIL2 600/1000bar	7.8
+KS-XX2	EEA15811	1	Junction box Polyester PAL40	7.4
+SS-H5	EEA6193	1	Buzzer 90dB	6.1
+SS-H6	EEA6194	1	Horn 24VDC for 12m warning	6.8
+SS-PAL40	EEA12238M	1	Paltronic40 system	6.3
+SS-S2	EEA15821	1	Main switch PAL40M FLVP/FLVK	6.2
+SS-XX1	EEA15810	1	Junction box Polyester PAL40	6.3
+SS-Y0	EEA 773	1	Valve connector DIN	6.0
+SW-B500	EEA12277M	1	Inductive switch	7.1