

KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBJ10AE005	STARTER MOTOR	-	-	-	-	-	-	-	-
-									
-K01	STARTER MOTOR	-	-	-	-	-	-	-	-
-									
-M01	TERMISTOR	400	200	-	-	-	ON	-	-
-						MBJ10GU001	-	-	-
MBJ10GU001	FREQUENCY CONVERTER								
-									
-U01	FREQUENCY CONVERTER	400	260	-	-	-	ON	-	-
-						BFA	-	-	-
MBT10AA005	BLEED VALVE 1	-	-	-	-	-	-	-	-
-									
-Y01	SOLENOID VALVE	24DC	0.009	-	-	4	UPS	-	-
-						CJP20	+B20.F10	-	-
MBT10AA010	BLEED VALVE 2								
-									
-Y01	SOLENOID VALVE	24VDC	0.0045	-	-	4	UPS	-	-
-						CJP20	+B20.F10	-	-
MBT10AE005	GUIDE VANE CONTROL								
-									
-M01	SERVO MOTOR	240VAC	0.95	-	-	-	UPS	6	-
-						CJP20	CJP20	-	-
MBT10AV005	IGNITION SYSTEM	-	-	-	-	-	-	-	-
-									
-E01	IGNITION PLUG	-	-	-	-	-	-	-	-
-						MBT10GT001-T01	-	-	-
-T01	IGN.EXCITER	24DC	-	-	-	4	UPS	-	-
-						CJP20	+B33.F01	-	-

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	POWER TURBINE-/ STARTING-/ GAS GENERATOR- SYSTEM	YAMAMA CEMENT	MBB, MBJ, MBT	
Checked by R.JONSSON	Resp. dept.	GPML		Rev	04.02.26	Order no B4516
Appr. by F.ANDERSSON	Latest rev.	b		Rev	05.04.18	HG 9100
Prepared by S.MALMLÖV		Rev	-	SIEMENS		
ELECTRICAL LOAD LIST				Doc. no	2046038	
				Archive	-	
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBH10AN005	ELECTRICAL FAN	-	-	-	-	-	-	-	-
-									
-M01	ELECTRICAL MOTOR	400VAC	1.5	-	C	4	-	-	-
-						BFA11	-	-	-
MBH10AN010	ELECTRICAL FAN	-	-	-	-	-	-	-	-
-									
-M01	ELECTRICAL MOTOR	400VAC	1.5	-	C	4	-	-	-
-						BFA 11	-	-	-

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	COOLING / SEALING AIR SYSTEM	YAMAMA CEMENT	MBH10	
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26		Order no B4516	HG 9100	Archive -
Appr. by F.ANDERSSON	Latest rev. b	Rev 05.04.18		SIEMENS		Lang. E
Prepared by S.MALMLÖV		Rev -	ELECTRICAL LOAD LIST	Doc. no 2046038	Sheet 2	
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBH20AA010	SHUT OFF VALVE	-	-	-	-	-	-	-	-
-									
-Y01	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CPJ20	+B20.F08	-	
MBH20AA015	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.0025	0.0025	I	4	UPS	-	-
-						CPJ20	+B20.F08	-	
MBH20AA020	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CPJ20	+B20.F08	-	
MBH20AA215	VENTILATION VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.0025	0.0025	I	4	UPS	-	-
-						CPJ20	+B20.F08	-	

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	PURGE AIR SYSTEM DUAL FUEL	YAMAMA CEMENT	MBH20	
Checked by R.JONSSON	Resp. dept.	GPML		Rev	04.02.26	Order no B4516
Appr. by F.ANDERSSON	Latest rev.	b		Rev	05.04.18	HG 9100
Prepared by S.MALMLÖV		Rev	-	ELECTRICAL LOAD LIST	Archive -	
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBL21AA010	PURGE AIR VALVE								
-									
-Y01	SOLENOID VALVE	110	0.050	-	-	-	-	-	TOTAL 14 PER MODULE.
-									
MBL21AN005	JET PULSE FILTER FAN								
-									
-M01	MOTOR	400	0.75	-	-	-	-	-	-
-									
MBL22AA010	PURGE AIR VALVE								
-									
-Y01	SOLENOID VALVE	110	0.050	-	-	-	-	-	TOTAL 14 PER MODULE.
-									
MBL22AN005	JET PULSE FILTER FAN								
-									
-M01	MOTOR	400	0.75	-	-	-	-	-	-
-									
MBL23AA010	PURGE AIR VALVE								
-									
-Y01	SOLENOID VALVE	110	0.050	-	-	-	-	-	TOTAL 14 PER MODULE.
-									
MBL23AN005	JET PULSE FILTER FAN								
-									
-M01	MOTOR	400	0.75	-	-	-	-	-	-
-									
MBL24AA010	PURGE AIR VALVE								
-									
-Y01	SOLENOID VALVE	110	0.050	-	-	-	-	-	TOTAL 14 PER MODULE.
-									
MBL24AN005	JET PULSE FILTER FAN								
-									
-M01	MOTOR	400	0.75	-	-	-	-	-	-
-									

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig 03.11.12	AIR INTAKE FILTER SYSTEM	YAMAMA CEMENT	MBL	
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -
Appr. by F.ANDERSSON	Latest rev. b		Rev 05.04.18	Lang. E	
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBM10AA005	BYPASS VALVE	-	-	-	-	-	-	-	-
-									
-M01	MOTOR ACTUATOR	-	1.8	-	-	-	-	-	-
-									

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	COMBUSTION CHAMBER SYSTEM	YAMAMA CEMENT	MBM	
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26		Order no B4516	HG 9100	Archive -
Appr. by F.ANDERSSON	Latest rev. b	Rev 05.04.18		SIEMENS		
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBN10AA005	SHUT OFF VALVE	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MBN10AA025	SHUT OFF VALVE	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24 VDC	0,025	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MBN10AA030	SHUT OFF VALVE	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MBN10AA040	SHUT OFF VALVE	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MBN10AH005	START UP FUEL HEATER	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-K01	OVER HEAT PROTECTION	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-R01	ELECTRICAL HEATER	400	3	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MBN10AH010	START UP FUEL HEAT TRACING	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-R01	HEATING CABLE	230	0,5	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-R02	HEATING CABLE	-	0,5	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MBN10AP005	FUEL OIL PUMP	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-M01	AC MOTOR	400	62	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MBN30AA005	CLEANING AIR VALVE	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig 03.11.12	LIQUID FUEL SYSTEM	YAMAMA CEMENT	MBN, MBU10	
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -
Appr. by F.ANDERSSON	Rev 05.04.18		SIEMENS		Lang. E
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBN30AA010	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-									
MBN30AA015	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-									
MBN30AA025	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-									
MBN30AA030	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-									
MBN30AA035	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-									
MBN40AA035	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-									
MBN40AA040	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0,025	-	-	-	-	-	-
-									
MBU10AP405	DOSAGE PUMP								
-									
-Y01	SOLENOID	24VDC	0,025	-	-	-	-	-	-
-									

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig 03.11.12	LIQUID FUEL SYSTEM	YAMAMA CEMENT	MBN, MBU10	
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBP05AA015	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.008	0.008	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBP05AH010	INSULATION AND ELECTRICAL HEATING CABLE								
-									
-R01	HEATING CABLE	230V	1.5	1.5	C	-	-	-	-
-						-	-	-	
MBP10AA025	QUICK CLOSING VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
-Y02	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBP10AA030	QUICK CLOSING VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
-Y02	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBP10AA035	GAS FUEL CONTROL VALVE, MAIN GAS								
-									
-M01	AC-MOTOR	325VAC	1.4	~	C	-	ON	3.8	CONTROLLED BY MOOG DRIVER
-						CJP20	CJP10	-	
MBP10AA205	VENTILATION VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.001	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBP10AA230	VENTILATION VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.001	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBP10AH005	INSULATION AND HEATING CABLE								
-									
-R01	HEATING CABLE	230V	0.5	0.5	C	-	-	-	-
-						-	-	-	

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig 03.11.12	GAS FUEL SYSTEM	YAMAMA CEMENT	MBP	
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBP20AA005	GAS FUEL CONTROL VALVE, PRIMARY GAS	-	-	-	-	-	-	-	-
-									
-M01	AC-MOTOR	325VAC	1.1	~	-	-	ON	3.1	CONTROLLED BY MOOG-DRIVER
-						CJP20	CJP 10	-	

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	GAS FUEL SYSTEM	YAMAMA CEMENT	MBP	
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26		Order no B4516	HG 9100	Archive -
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBQ10AA430	SOLENOID VALVE								
-									
-Y01	SOLENOID	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBQ10AA450	SOLENOID VALVE								
-									
-Y01	SOLENOID	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBQ10AH005	INSULATION AND HEATING CABLE								
-									
-R01	HEATING CABLE								
-									
MBQ10AH010	HEATER IN IGNITION GAS CABINET								
-									
-R01	HEATER	230VAC	0.2	0.2	C	-	-	-	-
-						-	-	-	
MBQ20AA010	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBQ20AA015	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	
MBQ20AA020	SHUT OFF VALVE								
-									
-Y01	SOLENOID VALVE	24VDC	0.009	0.009	I	4	UPS	-	-
-						CJP20	+B20.F08	-	

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig 03.11.12	IGNITION GAS SYSTEM	YAMAMA CEMENT	MBQ	
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MBV10AH005	LUBE OIL HEATER								
-R01	HEATER	400	13.4	-	-	-	-	-	-
MBV10AH010	LUBE OIL HEATER								
-R01	HEATER	400	13.4	-	-	-	-	-	-
MBV10AN005	OIL SYSTEM VENTILATION FAN								
-M01	AC-MOTOR	400	3.0	1.6	-	-	-	-	-
MBV21AP005	LUBE OIL PUMP UNIT, MAIN OIL PUMP								
-K01	THERMISTOR								
-M01	AC MOTOR	400	30	9.5	-	-	-	-	-
MBV22AP005	LUBE OIL PUMP UNIT, MAIN OIL PUMP								
-K01	THERMISTOR								
-M01	AC MOTOR	400	30	9.5	-	-	-	-	-
MBV23AP005	LUBE OIL PUMP UNIT, MAIN OIL PUMP								
-K01	THERMISTOR								
-M01	AC MOTOR	400	30	9.5	-	-	-	-	-
MBV30AN015	FAN, AIR COOLED OIL COOLER								
-M01	AC-MOTOR	400	7.5	6.0	-	-	-	-	-
MBV30AN020	FAN, AIR COOLED OIL COOLER								

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig 03.11.12	LUBE OIL SYSTEM	YAMAMA CEMENT	MBV	
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
-M01	AC-MOTOR	400	7.5	6.0	-	-	-	-	-
-									
MBV30AN025	FAN, AIR COOLED OIL COOLER								
-M01	AC-MOTOR	400	7.5	6.0	-	-	-	-	-
-									
MBV51AP005	LUBE OIL HIGH PRESSURE PUMP	-	-	-	-	-	-	-	-
-K01	THERMISTOR								
-M01	AC MOTOR	400	3.0	1.6	-	-	-	-	-
-									
MBV52AP005	LUBE OIL HIGH PRESSURE PUMP								
-K01	THERMISTOR								
-M01	AC MOTOR	400	3.0	1.6	-	-	-	-	-
-									
MBV53AP005	LUBE OIL HIGH PRESSURE PUMP	-	-	-	-	-	-	-	-
-K01	THERMISTOR								
-M01	AC MOTOR	400	3.0	1.6	-	-	-	-	-
-									
MBV60AA015	DUMPING VALVE								
-Y01	SOLENOID VALVE	24VDC	0.007	-	-	-	-	-	-
-									

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des		
Based on Doc no / revision	Orig 03.11.12	LUBE OIL SYSTEM	YAMAMA CEMENT	MBV		
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -	Lang. E
Appr. by F.ANDERSSON	Latest rev. b		Rev 05.04.18	SIEMENS	Doc. no	Sheet 12
Prepared by S.MALMLÖV	Rev -	ELECTRICAL LOAD LIST	2046038		Tot. 21	

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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
MKA10AH005	STAND STILL HEATER	-	-	-	-	16A	ON	-	ALL 5 HEATERS ARE CONNECTED TOGETHER TO ONE 3-PH SUPPLY
-	-	-	-	-	-	BFA	-	-	-
-R01	HEATER IN STATOR	400	0.875	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-R02	HEATER IN STATOR	400	0.875	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-R03	HEATER IN STATOR	400	0.875	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-R04	HEATER IN HIGH VOLTAGE ENCLOSURE	400	0.450	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
MKA10AH015	MOTOR								
-	-	-	-	-	-	-	-	-	-
-M01	-	230V	1.4kW	-	-	-	-	7.5A	-
-	-	-	-	-	-	-	-	-	-
MKC10AH005	STAND STILL HEATER								
-	-	-	-	-	-	-	-	-	-
-R01	HEATER IN EXCITER	400	0.450	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark	E EC 103		year-month-day	Title	Plant	YAMAMA CEMENT		Des	MK				
Based on Doc no / revision	Orig	03.11.12		GENERATOR SYSTEM	Order no	B4516	HG	9100	Archive	-	Lang.	E	
Checked by	R.JONSSON	Resp. dept.	GPML		Rev	04.02.26	SIEMENS		Doc. no	2046038		Sheet	13
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Prepared by	S.MALMLÖV	Rev	-	ELECTRICAL LOAD LIST									

KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
SAA10AB005	SHUT OFF DAMPER	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	1W	-	-	-	-	44mA	-
-	-	-	-	-	-	-	-	-	-
SAA10AB010	SHUT OFF DAMPER	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	1W	-	-	-	-	44mA	-
-	-	-	-	-	-	-	-	-	-
SAA10AN005	VENTILATION FAN	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-KT01	FAN	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-M01	MOTOR	400	1.2kW	-	-	-	-	2.6A	SC 19.8A
-	-	-	-	-	-	-	-	-	-
SAA10AN010	VENTILATION FAN	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-KT01	FAN	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-M01	MOTOR	400	1.2kW	-	-	-	-	2.6A	SC 19.8A
-	-	-	-	-	-	-	-	-	-
SAG10AB005	SHUT OFF DAMPER	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	1W	-	-	-	-	44mA	-
-	-	-	-	-	-	-	-	-	-
SAG10AB010	SHUT OFF DAMPER	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	1W	-	-	-	-	44mA	-
-	-	-	-	-	-	-	-	-	-
SAG10AB020	SHUT OFF DAMPER	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-Y01	SOLENOID VALVE	24VDC	1W	-	-	-	-	44mA	-
-	-	-	-	-	-	-	-	-	-
SAG10AN005	VENTILATION FAN	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-KT01	FAN	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig 03.11.12	VENTILATION SYSTEM GAS TURBINE ROOM AND AUXILLIARY ROOM ELECTRICAL LOAD LIST	YAMAMA CEMENT	SAA/SAG	
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
-M01	MOTOR	400	20kW	-	-	-	-	36A	SC 304A
-									
SAG10AN010	VENTILATION FAN								
-									
-KT01	FAN								
-									
-M01	MOTOR	400	20kW	-	-	-	-	36A	SC 304A
-									

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	VENTILATION SYSTEM GAS TURBINE ROOM AND AUXILLIARY ROOM ELECTRICAL LOAD LIST	YAMAMA CEMENT	SAA/SAG	
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26		Order no B4516	HG 9100	Archive -
Appr. by F.ANDERSSON	Latest rev. b	Rev 05.04.18		SIEMENS		Lang. E
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
SAC10AH005 -	AIR CONDITIONING UNIT	400VAC	5,4	3,71	-	16A	-	10,94A	-
SAC10AN005 -	COOLER FAN	230VAC	0,327	-	-	10A	-	1,4A	-
SAC10AN010 -	COMPRESSOR	-	-	-	-	-	-	-	-
SAC10AN015 -	COMPRESSOR	-	-	-	-	-	-	-	-
SAC10AN025 -	BATTERY ROOM FAN, CIRCULAR	230V	0.072	-	-	-	-	0,33A	-
SAC20AH005 -	AIR CONDITIONING UNIT	400V	5,4	3,71	-	16A	-	10,94A	-
SAC20AN005 -	COOLER FAN	230	0.327	-	-	10A	-	1.4A	-
SAC20AN010 -	COMPRESSOR	-	-	-	-	-	-	-	-
SAC20AN015 -	COMPRESSOR	-	-	-	-	-	-	-	-

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des		
Based on Doc no / revision	Orig 03.11.12	VENTILATION SYSTEM CONTROL ROOM	YAMAMA CEMENT	SAC		
Checked by R.JONSSON	Rev 04.02.26		Order no B4516	HG 9100	Archive -	Lang. E
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
SAC20AN025	BATTERY ROOM FAN	230V	0.072	-	-	-	-	0,33A	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	VENTILATION SYSTEM CONTROL ROOM	YAMAMA CEMENT	SAC	
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26		Order no B4516	HG 9100	Archive -
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
SAE40AA010	SOLENOID VALVE								
-									
-Y01	SOLENOID VALVE								
-									

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des				
Based on Doc no / revision	Orig	03.11.12	VENTILATION SYSTEM EL GENERATOR	YAMAMA CEMENT	SAE				
Checked by R.JONSSON	Resp. dept.	GPML		Rev	04.02.26	Order no B4516	HG 9100	Archive -	Lang. E
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Prepared by S.MALMLÖV		Rev	-	ELECTRICAL LOAD LIST		2046038	Tot.	21	

KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
SDB10AA025	SOLENOID VALVE								
-									
-Y01	SOLENOID	230	0.011	-	-	-	-	-	-
-							ON	-	
SDB10AA030	SOLENOID VALVE								
-									
-Y01	SOLENOID	230	0.011	-	-	-	-	-	-
-							ON	-	
SDB10AH005	TANK HEATER								
-									
-R01	ELECTRICAL	400	3.0	-	-	-	-	-	-
-							ON	-	
SDB10AH010	TANK HEATER								
-									
-R01	ELECTRICAL	400	3.0	-	-	-	-	-	-
-							ON	-	
SDB10AH015	FROST GUARD								
-									
-R01	ELECTRICAL	230	0.2	-	-	-	-	-	-
-							-	-	
SDB10AP005	COMPRESSOR CLEANING PUMP								
-									
-M01	AC MOTOR	400	3.0	-	-	-	-	-	-
-							ON	-	

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103		year-month-day	Title	Plant	Des	
Based on Doc no / revision	Orig	03.11.12	COMPRESSOR WASHING SYSTEM	YAMAMA CEMENT	SDB	
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26		Order no B4516	HG 9100	Archive -
Appr. by F.ANDERSSON	Latest rev. b	Rev 05.04.18		SIEMENS		
Prepared by S.MALMLÖV	Rev	-	ELECTRICAL LOAD LIST	Doc.no 2046038	Lang. E	
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
SGJ10AA001	RELEASE VALVE	-	-	-	-	-	-	-	-
-									
-Y01	Solenoid valve	24 V	-	-	-	-	-	-	-
-									
SGJ10AH005	HEATER								
-									
-R01	HEATER	230V	2.0	-	-	-	-	-	-
-									
SGJ10AN005	FAN								
-									
-KN01	FAN	230V	0.035	-	-	-	-	0.24	-
-									
SGJ10EA001	MANUAL RELEASE PUSH BUTTON								
-									
-P01	Push button	30V	-	-	-	-	-	0.1	-
-									
SGJ10EA002	MANUAL RELEASE PUSH BUTTON								
-									
-P01	Push button	30V	-	-	-	-	-	0.1	-
-									
SGJ10EA003	MANUAL RELEASE PUSH BUTTON								
-									
-P01	Push button	30V	-	-	-	-	-	0.1	-
-									
SGJ10EA504	MANUAL RELEASE PUSH BUTTON								
-									
-P01	Push button	30V	-	-	-	-	-	0.1	-
-									
SGJ10EG001	STATUS LIGHT								
-									
-H01	GREEN LAMP: CO2-BLOCKED	24V	0.0065	-	-	-	-	0.27	-
-									
-H02	RED LAMP: CO2 RELEASED	24V	0.0065	-	-	-	-	0.27	-
-									
SGJ10EG002	STATUS LIGHT								
-									

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des
Based on Doc no / revision	Orig 03.11.12	FIRE EXTINGUISHING SYSTEM CO2	YAMAMA CEMENT	SGJ
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26	Order no B4516	HG 9100
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KKS DES. CUSTOMER DES.	DESCRIPTION	RATED VOLTAGE	RATED POWER kW	OPERATING POWER kW	DUTY	FUSE SIZE CUBICLE ITEM	TYPE OF LINE NET 1) FEEDER UNIT	RATED CURRENT (A) TYPE CIRCUIT	REMARK
-H01	GREEN LAMP: CO2 BLOCKED	24V	0.0065	-	-	-	-	0.27	-
-								-	
-H02	RED LAMP: CO2 RELEASED	24V	0.0065	-	-	-	-	0.27	-
-								-	
SGJ10EG003	STATUS LIGHT								
-									
-H01	GREEN LAMP: CO2 BLOCKED	24V	0.0065	-	-	-	-	0.27	-
-								-	
-H02	RED LAMP: CO2 RELEASED	24V	0.0065	-	-	-	-	0.27	-
-								-	
SGJ10EG010	WARNING LIGHT FLASHING RED								
-									
-P01	WARNING LIGHT	15V	-	-	-	-	-	0,35	-
-								-	
SGJ10EG015	WARNING LIGHT FLASHING RED								
-									
-P01	Warning light	15V	-	-	-	-	-	0,35	-
-								-	
SGJ10EG504	STATUS LIGHT								
-									
-H01	GREEN LAMP: CO2 BLOCKED	24V	0.0065	-	-	-	-	0.27	-
-								-	
-H02	RED LAMP: CO2 RELEASED	24V	0.0065	-	-	-	-	0.27	-
-								-	
SGJ10EJ005	GT-ENCLOSURE ELECTRICAL SIREN								
-									
-H01	Siren	24VDC	-	-	-	-	-	0.265	-
-								-	
SGJ10EJ505	AUX. ENCLOSURE ELECTRICAL SIREN								
-									
-H01	Siren	24VDC	-	-	-	-	-	0.42	-
-								-	

1) ON=Ordinary net, BN1=Battery net, BN4=Battery net, UPS=Uninterruptible Power System, DN=Diesel net

Remark E EC 103	year-month-day	Title	Plant	Des
Based on Doc no / revision	Orig 03.11.12	FIRE EXTINGUISHING SYSTEM CO2	YAMAMA CEMENT	SGJ
Checked by R.JONSSON	Resp. dept. GPML	Rev 04.02.26	Order no B4516	HG 9100
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