

fp3400

LAB.GRUPPEN

Part list

For safety critical components please contact Labgruppen for the right manufacturer							
Item number	safety critical	Item name	Replaces	Designator	Service level		
					1	2	3
Power Supply							
SP80FA-2x17-2A		Smps 8kw Flyback Module A 2x1700w 2ohm Rev.a	Replaces all SP80FA-2x17-2xxx				x
3K4FUI9330_LAB	x	Transformer 3.4kW					x
56R9W5%	x	Resistor Wire Wound 56r 9W 5%					x
PCSPNO40A18V	x	Relay Pcb Single Pole Normally Open 40a 18v		RE1			x
GBPC35-06	x	Diode Bridge Gbpc35-06		D1			x
220u385V35x55P W	x	Cap. Electrolytic 220u 385V 35x55mm Printed Wiring Terminals		C8A, C9A			x
180R.6W1%		Resistor Metal Film 180r .6W 1%		R9			x
IRF730		Transistor Mos Power Irf730		Q4			x
STTA3006PI		Diode Power Stta3006pi 600v Isolated Dop3i		D3, D4			x
SGW25N120		Transistor Igbt Power Sgw25n120		Q2			x
IRF730				Q4			x
TIP50		Transistor Bipolar Power Tip50		Q5			x
100u50V		Capacitor Electrolytic 100u 50V 5mm Snap In 8x11.5					x
1800u160V30x50		Capacitor Electrolytic 1800u 160V 30x50mm Snap In					x
2u2100VMMK15		Capacitor Polyester 2u2 100v Mmk 15mm					x
3u3160VMKP27.5		Capacitor Polypropylene 3u3 160V Mkp 27.5mm					x
4R7.25W5%		Resistor Carbon Film 4r7 .25W 5%					x
100K.25W1%1206		Resistor 100K .25W 1% Surface Mounted 1206					x

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Power Supply							
SP80FB-2x17-2		Switch Mode Power Supply 8kw Flyback Module B 2x1700w 2ohm					
PCSPNO40A18V		Relay Pcb Single Pole Normally Open 40a 18v		RE1			x
10n250VMMK5		Capacitor Polyester 10n 250v Mmk 5mm		C14			x
1n250VMMK5		Capacitor Polyester 1n 250V Mmk 5mm		C12, C18, C23, C26			x
TIP50		Transistor Bipolar Power Tip50		Q5			x
220u385V35x55P W	x	Cap. Electrolytic 220u 385V 35x55mm Printed Wiring Terminals		C1A, C2A			x
400uHEFD30_LAB		Inductor 400uH Efd30 Lab.gruppen Rev 01					x

Power Supply							
SP80CB-2x32-2		Switch Mode Power Supply 8kw Capacitor Bank 2x3200w 2ohm					x
LM317T		Ic Voltage Regulator Lm317t		U1			x
BC337		Transistor Bipolar Signal Bc337		Q1			x
UA741		Ic Operational Amplifier Ua741		U2			x

INPUT and OUTPUT							
IN2GTD-2x17-2		Inp Amp 2ch Control Circuit Classtd Gain Switch 2x1700w 2ohm					x
1N5404		Diode Power 1n5404		D201, D202			x
Q6015L5		Triac Q6015L5 TO-220		Q5, Q105			x
MC33078		Ic Operational Amplifier Mc33078		U1, U101			x
NE5532		Ic Operational Amplifier Ne5532		U2, U102, U201			x
LF353		Ic Operational Amplifier Lf353		U3, U4, U103, U104			x
VTL5C4		Ic Photocoupler Vtl5c4		U5, U105			x

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LM318_NAT		Ic Operational Amplifier Lm318 National		U203				x
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Amp Board								
A20TDL02e-17-2		Amp Module Low Frequency Class TD rev02vers.e 1700w 2ohm						x
BC557B		Transistor Bipolar Signal Bc557b		Q4, Q5, Q8, Q9, Q11, Q13, Q18, Q19				x
BC547B		Transistor Bipolar Signal Bc547b		Q3, Q10, Q12, Q14, Q15, Q16, Q17, Q18, Q18, Q20, Q21				x
MJW21196		Transistor Bipolar Power Mjw21196 To-247		Q26, Q27A, Q28, Q28A,				x
MJW21195		Transistor Bipolar Power Mjw21195 To-247		Q31, Q32, Q33, Q33A				x
1N4004		Diode Power 1n4004		D6, D17, D21, D26, D27				x
15V.4W5%		Diode Zener 15V .4W 5%		D1, D20				x
4R75W5%		Resistor Wire Wound 4r7 5W 5%		R69, R75,				x
R275W10%		Resistor Wire Wound R27 5W 10%		R71, R71A, R72, R72A, R73, R73A, R76, R76A, R77, R77A, R79, R79A				x
4R75W5%		Resistor Wire Wound 4r7 5W 5%		R69, R75,				x
12K4.6W1%		Resistor Metal Film 12k4 .6W 1%		R27, R44, R45, R90, R91, R93				x
1N5404		Diode Power 1n5404		D30, D31				x
2R22W5%		Resistor Metal Film 2R2 2W 5%						x
LM393		Ic Comparator Lm393						x
UC3843		Ic Pwm Uc3843						x

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Amp Board							
A20TDH02d-32-2		Amplifier Module High Frequency 3200w 2ohm Class Td rev.02d					x
CVA20TDH		Cover High Frequency Amplifier Module 2kw Class Td					x
330n250VMMK15	X	Capacitor Polyester 330n 250V Mmk 15mm		C1, C2, C3, C10, C11, C12, C13			x
470u10V10x18A		Capacitor Electrolytic 470u 10V 10x18mm Axial		C7, C16			x
100n63VMMK5		Capacitor Polyester 100n 63V MMK 5mm		C8, C15, C17, C19, C21, C33, C34, C35, C36,			x
1n200VNP05%5		Capacitor Ceramic 1n 200V Np0 5% 5mm		C32, C38, C41, C51, C52,			x
470p200VNP05%5		Capacitor Ceramic 470p 200V Np0 5% 5mm		C53, C54			x
LM319		Ic Comparator Lm319		U3			x
12K4.6W1%		Resistor Metal Film 12k4 .6W 1%		R26, R92			x
BC557B		Transistor Bipolar Signal Bc557b		Q14			x
LM318_NAT		Ic Operational Amplifier Lm318 National		U1, U2,			x
IXFN73N30		Transistor Mos Power Ixfn73n30		Q1, Q7,			x
12V.4W5%		Diode Zener 12V .4W 5%		D9, D10, D11, D12			x
BZW06P15B		Diode Transient Voltage Supression Bzw06p15b		D2, D6, D12			x
6K83W5%		Resistor Metal Film 6k8 3W 5%					x
6R8.25W5%		Resistor Carbon Film 6r8 .25W 5%					x
HCPL2400		Ic Photocoupler Hcpl2400					x
NTP2955		Transistor Mos Power Npt2955g					x
ZTX651STZ		Transistor Bipolar Signal Ztx651stz					x

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ZTX751STZ		Transistor Bipolar Signal Ztx751stz								X
1K23W5%		Resistor Metal Film 1k2 3W 5%								x

Chassis										X
FP-FP3400		Front Panel Fp3400								X
SPLA20TDA-A		Side Panel Left Power Amplifier A20td Aluminium Assembled								x
SPRA20TDA-A		Side Panel Right Power Amplifier A20td Aluminium Assembled								x
DCSL1-PBLK		Dust Clip Steel Left Type 1 Painted Black 100 - An203d								X
DF115x62x5-20		Dustfilter 115x62x5mm 20ppi Filtren Firend (a) V-0 Hf1								X
DF139x62x5-20		Dustfilter 139x62x5mm 20ppi Filtren Firend (a) V-0 Hf1								X
TCA20TDA-PBLK		Top Cover Amp. A20td Al. Painted Black Becker Kp54570690								x

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Miscellaneous									X
LD92-2x32-2		Led Display Module 9-diode 2-channel						X	X
POT2		Pcb Potentiometer Board 2-channel							X
F15A250-5x20		Fuse fast blow 15A 250V 5x20mm							X
HDL2HEM5_MEN		Handle 2he M5, Spacing 55mm Mentor 3268.1103							X
LYEL2.5x5		Diode Led Yellow 2.5x5mm							X
Rear		Rear Support Kit							X
PIND-SP80-1		Led Display Power Ind. 2-diode Sp80 Type 1 Yel+grn 2.5x5							X
PIND-SP80-1U		Led Display Power Ind. 2-diode Sp80 Type1 Yel+grn 2.5x5 115V							X
F80x25-24HS		Fan 80x80x25mm 24vdc High Speed							X

115v									
Power Supply									X
SP80FA-2x17-2U		Smps 8kw Flyback Module A 2x1700w 2ohm 115V							X
SP80FB-2x17-2U		Smps 8kw Flyback Module B 2x1700w 2ohm 115V							X
22R9W5%		Resistor Wire Wound 22r 9W 5%				R5			X