



Amplifier



Field power supply



Cooling unit C 59412



Cooling blower TB 7/FUK/20 with frequency converter



Connection box with main switch (for blower)

TECHNICAL PARAMETERS Power Amplifier A 6 00 11 315 + Field power supply

Output power _{RMS} ¹	150000 VA	Interlocks: Overload, Temperature, Displacement, Air supply, Compressed air, Phase monitoring, Emergency stop, Differential pressure, Water flow rate, Conductance
Frequency range	DC - 5 kHz	
Voltage _{RMS} ¹ max.	±212 V	Features: Mains switch and integrated line filter Low/Mid/High-Field (Energy-saving mode) Field voltage/Field current variable according to customer spec. 4 Sigma peak current Color-Touchscreen
Current _{RMS} ¹ max.	1500 A	
Signal input voltage _{RMS}	10 V	
Total Harmonic Distortion (at 70A _{RMS} ¹ 200 Hz)	< 0.2 %	
Signal to noise ratio	> 80 dB	
Power supply - Amplifier (Standard)	3~ / N / PE 400 V±5% 50 Hz Direct connection (Terminal block)	
Power supply - Field power supply (Standard)	3~ / N / PE 400 V±5% 50 Hz Direct connection (Terminal block)	
Max. power consumption at 400 V		
Amplifier (incl. cooling unit)	285 kVA	
Field power supply	40 kVA	
Recommended fuse protection Amplifier (Standard)	225 A slow	
Recommended fuse protection FPS (Standard)	125 A slow	
Dimensions - Amplifier (WxHxD)	2400 x 2200 x 900 mm	
Dimensions - Field power supply (WxHxD)	600 x 1740 x 850 mm	
Total mass - Amplifier	1900 kg	
Total mass - Field power supply	500 kg	

1) Values in connection with vibration exciter S 69440

TECHNICAL PARAMETERS Cooling unit C 59412

Environmental conditions:	
Temperature	5 - 30 °C
Relative humidity	10 - 80 %
Energy transfer	max. 3 kW
Process water:	
Temperature	5 - 15 °C
Volume flow at max. supply temperature	10 m³/h
Working pressure: supply - static	≤ 8 bar (≤ 800 kPa)
Working pressure: dynamic differential pressure	≥ 3 bar (≥ 300 kPa)
Dissipated heat flow	max. 110 kW
Nominal width of supply pipes	R 1 1/2 IT (40 mm)
pH value	7 ± 1
Dimensions of dirt particles	< 25 µm
Water hardness (total/carbonate)	< 1.4 mmol/l / < 0.9 mmol/l
Dimensions (WxHxD)	808 x 2152 x 1092 mm
Total mass	470 kg

TECHNICAL PARAMETERS Cooling blower TB 7/FUK/20

Max. volume flow rate	5820 m³/h
Max. total pressure difference	16 kPa
Motor output	20 kW
Max. frequency	105 Hz
Hose diameter	175 mm
Hose length (Std.)	5 m
Total mass	131 kg
Dimensions (WxHxD)	625 x 773 x 602 mm
Max. sound pressure level	105 dB(A)
Connection box (fixation to wall):	
Mass	10 kg
Dimensions (WxHxD)	300 x 300 x 250 mm
Power supply (variable)	3~ / PE 400 V±5% 50 Hz CEE 63
Recommended fuse protection (Standard)	50 A slow
Max. current consumption at 400 V	38 A