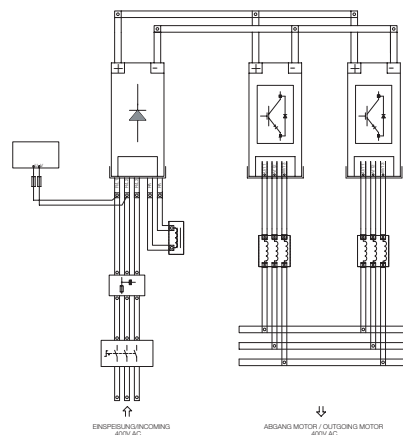
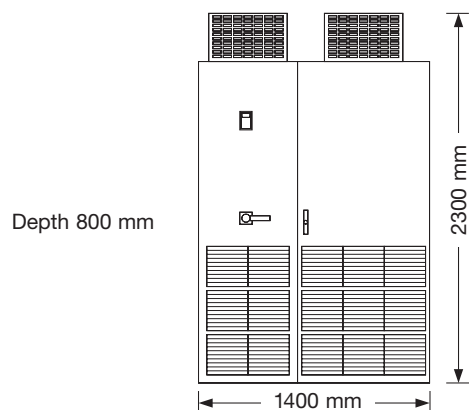


Inverter Varispeed G5 HP

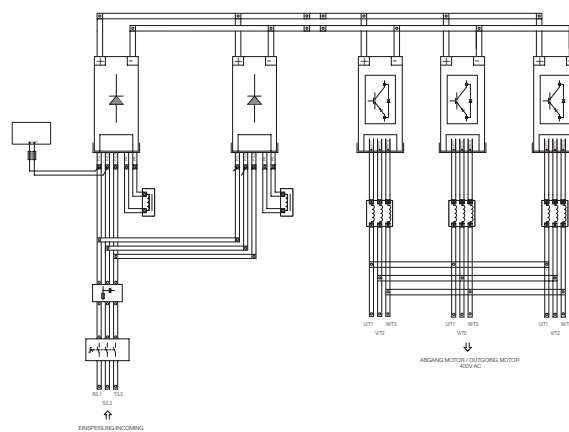
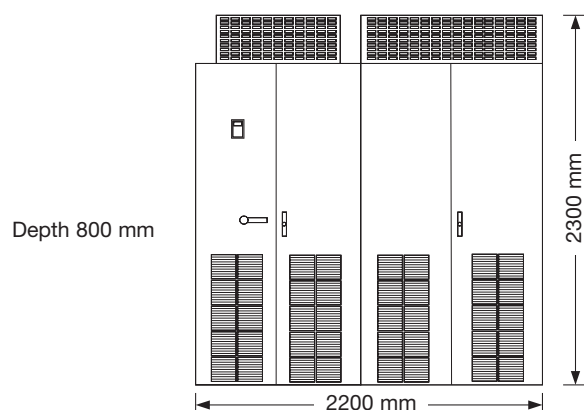


Model General Dimensions

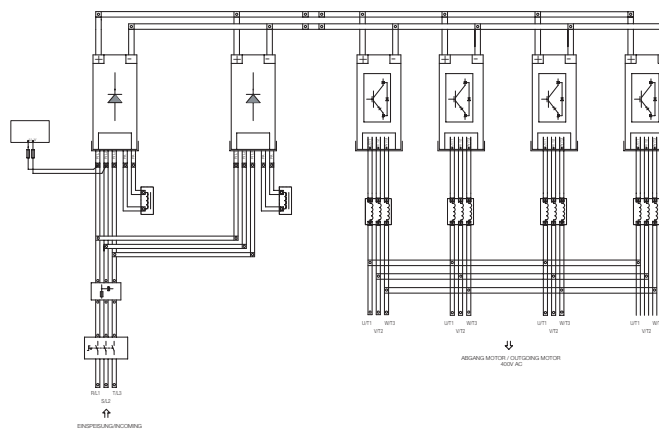
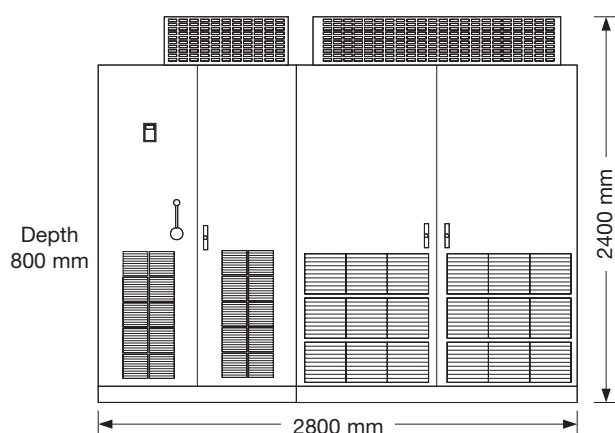
IP20 G5C4400



IP20 G5C4600



IP20 G5C4800



Model General Dimensions

Dimension IP20 G5C....	Height	Width	Depth*	Weight
4400	2300 mm	1400 mm	800 mm	870 kg
4600	2300 mm	2200 mm	800 mm	1400 kg
4800	2400 mm	2800 mm	800 mm	2130 kg

*General Dimension without handle for switch

Specifications

Model IP20 G5C□□□□		4400	4600	4800
Max. applicable motor kW 150/120% overload*		480/540	710/810	960/1100
Output Ratings	Rated output capacity kVA 150/120% overload*	550/620	830/930	960/1240
	Rated output current A 150/120% overload	800/900	1200/1350	1600/1800
	Max. output voltage	3-phase 380/400/415/440/460 VAC (Proportional to input voltage)		
	Rated output frequency	Up to 150Hz (available by programming)		
Power Supply	Power Supply	3-phase 380/400/415/440/460 / VAC +10%, -15% 50/60Hz ±5%		
	DC reactor	Built in		
	12-phase rectification	Available, needs some changes at power supply input		
Control characteristics	Control method	Sine wave PWM, Flux vector control, open loop vector control, V/f control, V/f control with PG		
	Carrier Frequency	2 kHz max		
	Speed Control Range	1:100 (open loop vector control), 1:1000 (flux vector control)		
	Speed Control Accuracy	± 0,2 % (open loop vector control), ± 0,02 % (flux vector control) 25° C ± 10° C		
	Torque Control	in flux vector control		
	Starting Torque	150% at 1 Hz (open loop vector control), 150% at zero speed (flux vector control)		
	Overload Capacity	150% or 120% for 60 sec. from rated output current		
	Main Control Functions	Momentary power loss restart, speed search, overtorque/undertorque detection, torque limit, 7-step speed operation, accel/decel time changeover, S-curve accel/decel, autotuning, Dwell, slip compensation, jump frequency, energy saving control, PID control, 3-wire sequence, fault retry, droop control, torque control, speed/torque control changeover, two motor parameters with changeover control, etc.		
	Analog Input	2 x -10 to 10V, 1 x 4-20mA, (11 Bit + sign)		
	Analog Output	2 x -10 to 10V (9 Bit),		
	Digital Input	8 Inputs		
	Digital Output	2 contact outputs, 2 open collector output		
	RS-422/485 & Protocol	Optional MEMOBUS		
	Digital Operator	2 lines LCD		
	Motor Protection	Protected by electronic thermal overload relay		
Protective	Overload Protection	150% of rated output current for 60 sec.		
	Overvoltage Protection	Motor coasts to a stop if converter output voltage exceeds 1040V		
	Undervoltage Protection	Motor coasts to a stop if converter output voltage drops to 490V or below		
	Grounding Protection	Protection by electronic circuits		
	Cooling Fin Overheating	Protection by thermistor		
	Charge indicator	Lights up when the main circuit DC voltage is over 50V		
	Stall Prevention	Stall prevention during acceleration, deceleration or running individually adjustable		
	Motor Over load Protection	Protected by electronic thermal overload relay		
Environment	Braking Chopper	Optional		
	Ambient Operating Temperature	-10°C to 40°C		
	Ambient operating humidity	90% max. (With no condensation)		
	Storage temperature	-20°C to 60°C (short-term temperature during transportation)		
	Application site	Indoor (no corrosive gas, dust, etc)		
	Altitude	1000m max.		

*Based on 400V input voltage and calculated motor power based on 400V

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