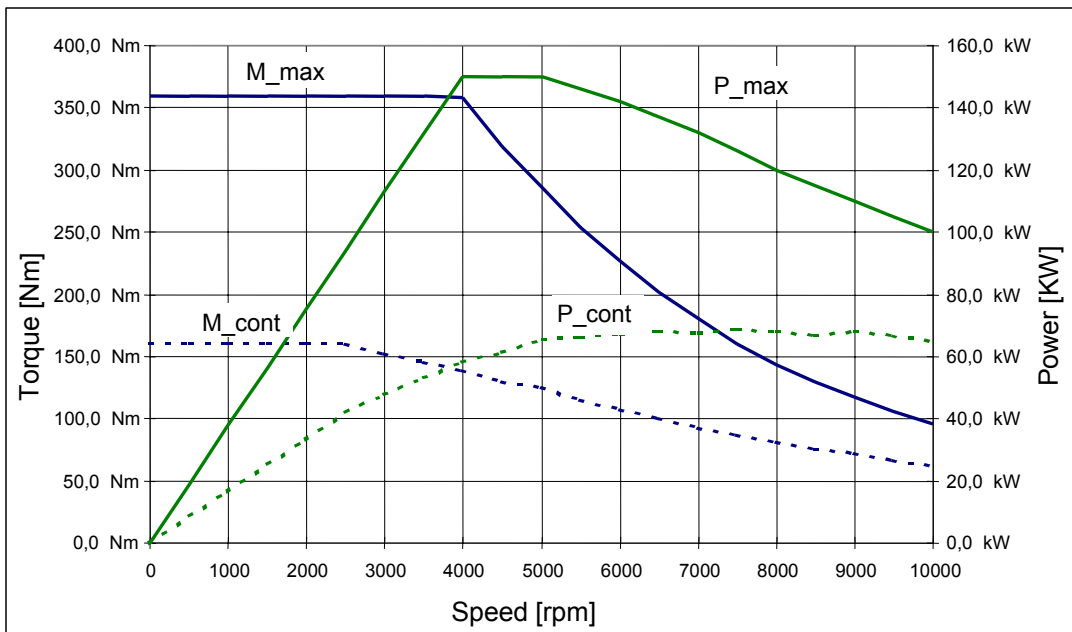
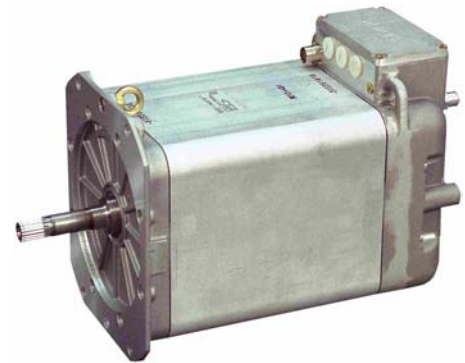


Drive Motor 1PV5135-4WS28

Type	AC Induction Motor
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Rated Power	67 kW
Rated Torque	160 Nm
Max. Torque	360 Nm @ 250A
Rated Current	124 A
Max. Speed	10,000 rpm
Weight	90 kg
Dim. (LxWxH)	425 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 65 / 9k



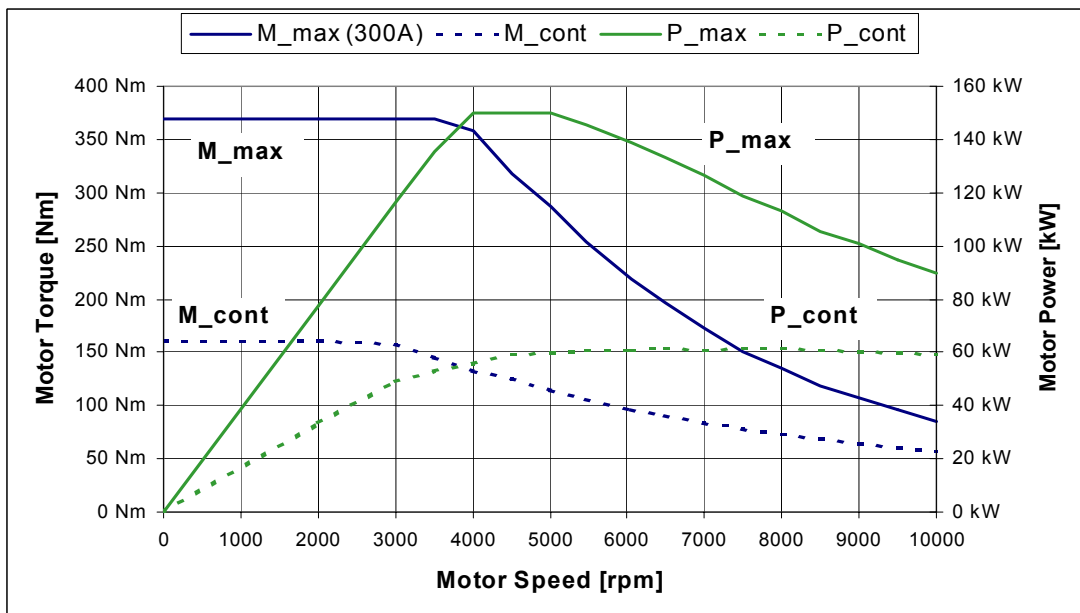
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Drive Motor 1PV5135-4WS24

Type	AC Induction Motor
Cooling Media	Water-Glycol
Rated Voltage DC	520 V
Rated Power	61 KW
Rated Torque	160 Nm
Max. Torque	370 Nm @ 300A
Rated Current	145 A
Max. Speed	10,000 rpm
Weight	90 kg
Dim. (LxWxH)	425 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 65 / 9k



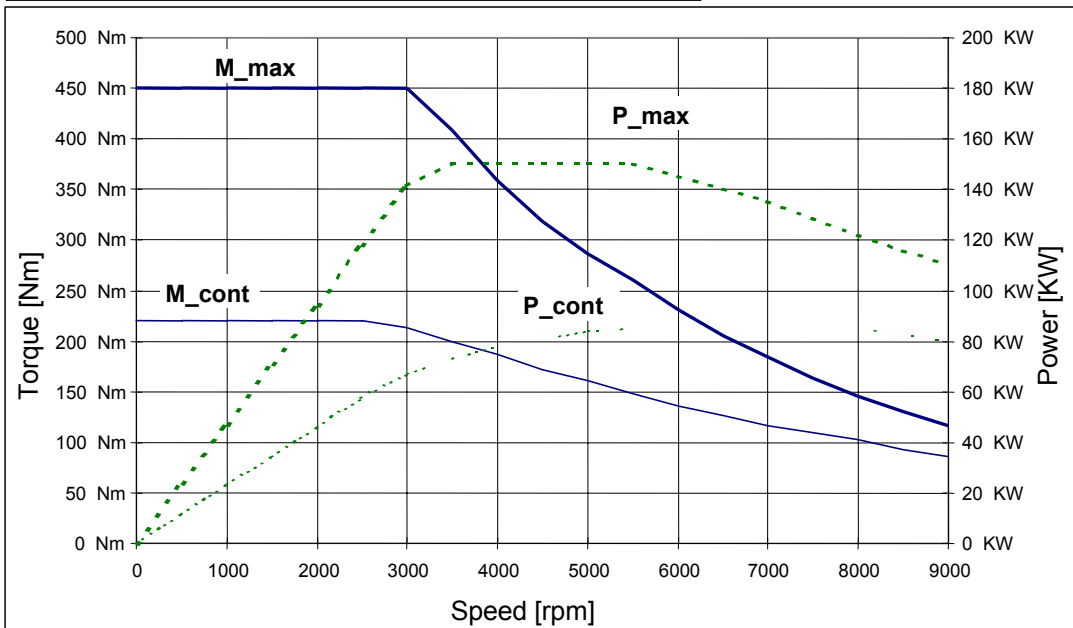
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Drive Motor 1PV5138-4WS24

Type	AC Induction Motor
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Rated Power	85 KW
Rated Torque	220 Nm
Max. Torque	450 Nm @ 250A 530 Nm @ 300A
Rated Current	142 A
Max. Speed	9,000 rpm
Weight	120 kg
Dim. (LxWxH)	510 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 65 / 9k



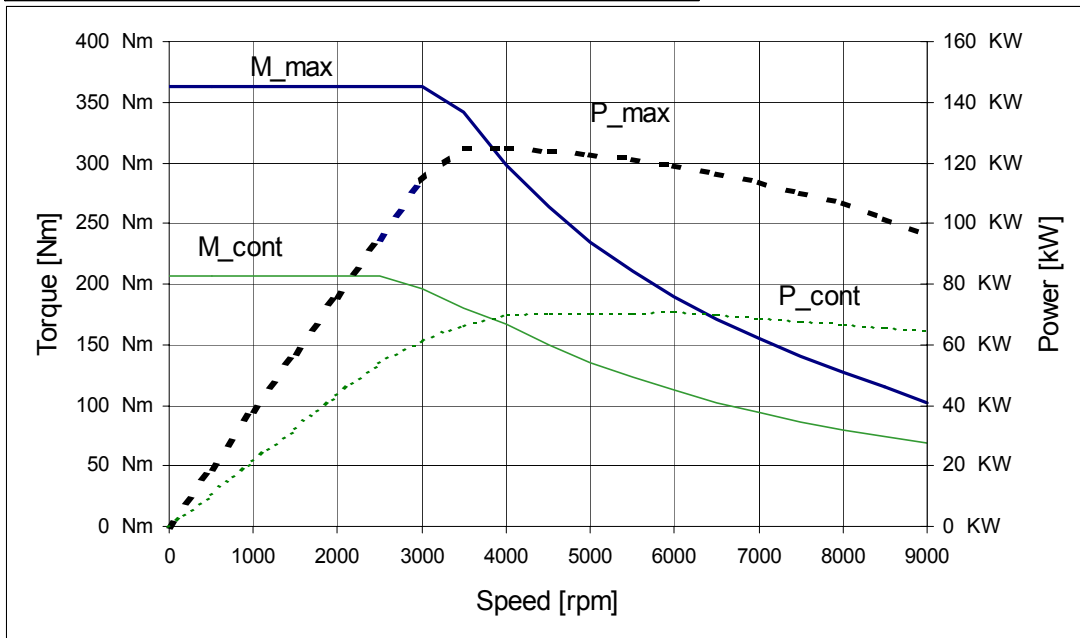
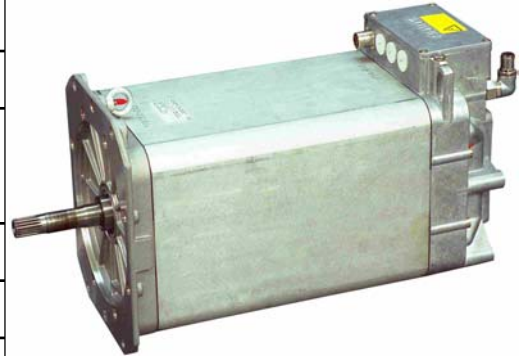
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Drive Motor 1PV5138-4WS20

Type	AC Induction Motor
Cooling Media	Water-Glycol
Rated Voltage DC	500 V
Rated Power	70 KW
Rated Torque	205 Nm
Max. Torque	360 Nm @ 250A 450 Nm @ 300A
Rated Current	170 A
Max. Speed	9,000 rpm
Weight	120 kg
Dim. (LxWxH)	510 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 65 / 9k



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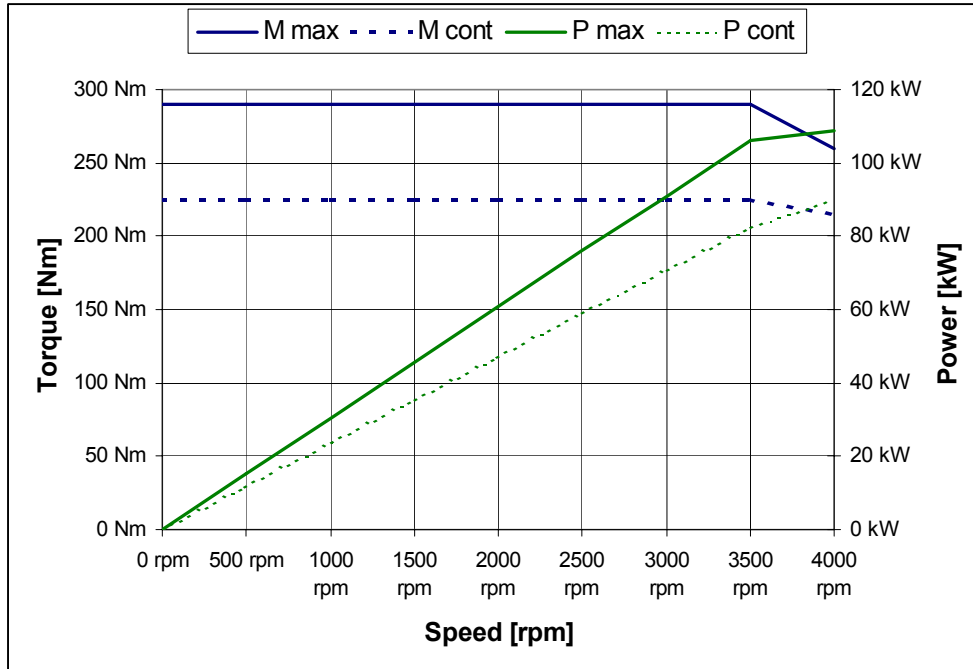
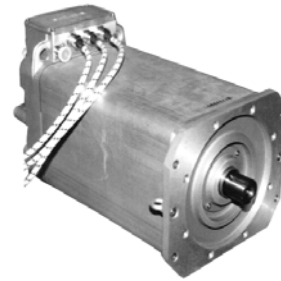
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Generator 1FV5135-6WS36

PRELIMINARY

Type	PM Synch. Generator
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Rated Power	90 kW @ 4000 rpm
Rated Torque	225 Nm
Max. Torque	290 Nm
Rated Current	148 A
Max. Speed	4,000 rpm
Weight	86 kg
Dim. (LxWxH)	425 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 65 / 9k



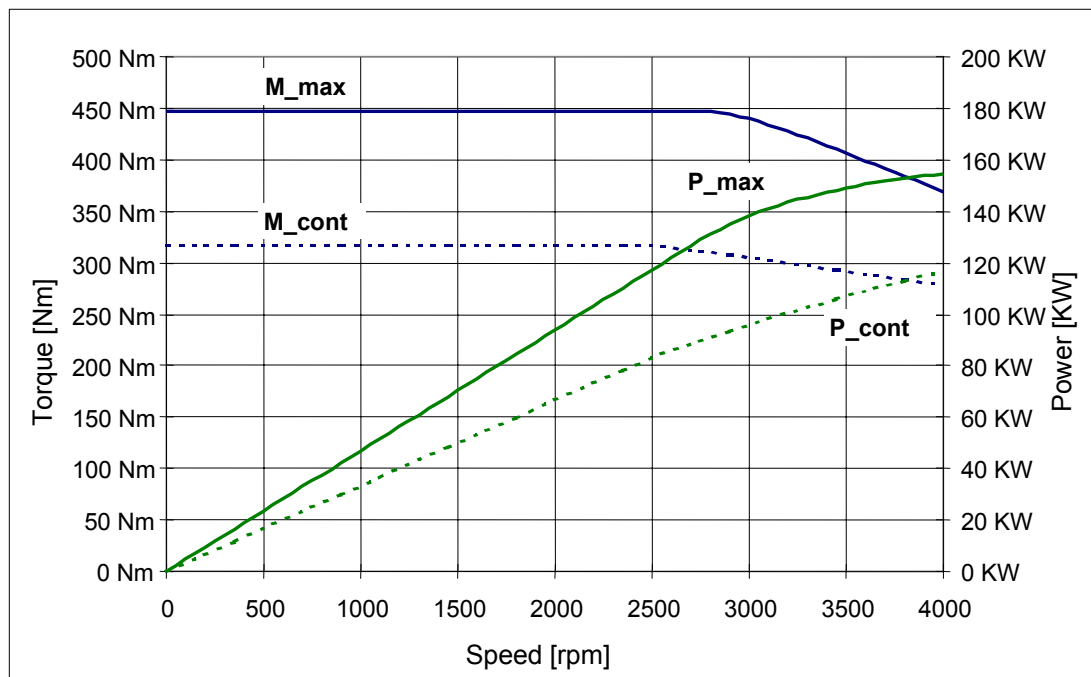
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Generator 1FV5139-6WS28

Type	PM Synch. Generator
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Rated Power	85 KW @ 2500 rpm
Rated Torque	320 Nm
Max. Torque	450 Nm @ 250A
Rated Current	170 A
Max. Speed	4,000 rpm
Weight	120 kg
Dim. (LxWxH)	560 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 65 / 9k



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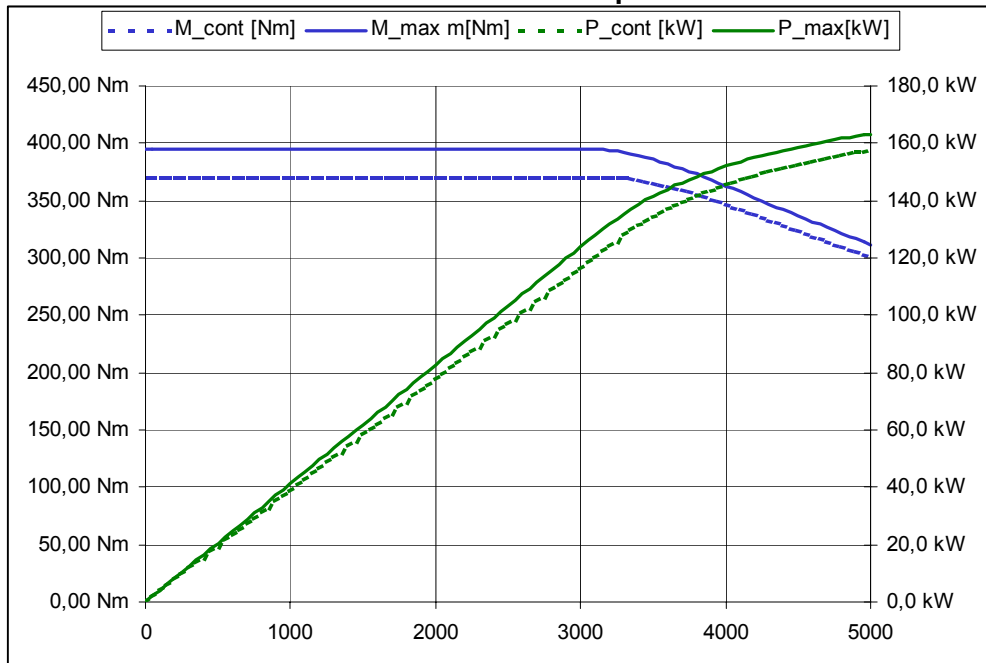
Generator 1FV5139-6WS24xx

PRELIMINARY

Type	PM Synch. Generator
Cooling Media	Water-Glycol
Rated Voltage DC	700 V
Rated Power	145 KW @ 4000 rpm
Rated Torque	368 Nm @ 220 A
Max. Torque	390 Nm @ 250A
Rated Current	220 A
Max. Speed	5,000 rpm
Weight	120 kg
Dim. (LxWxH)	560 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 65 / 9k



Note: Rated values at 30 °C water inlet temperature and isolation class F (150 °C)



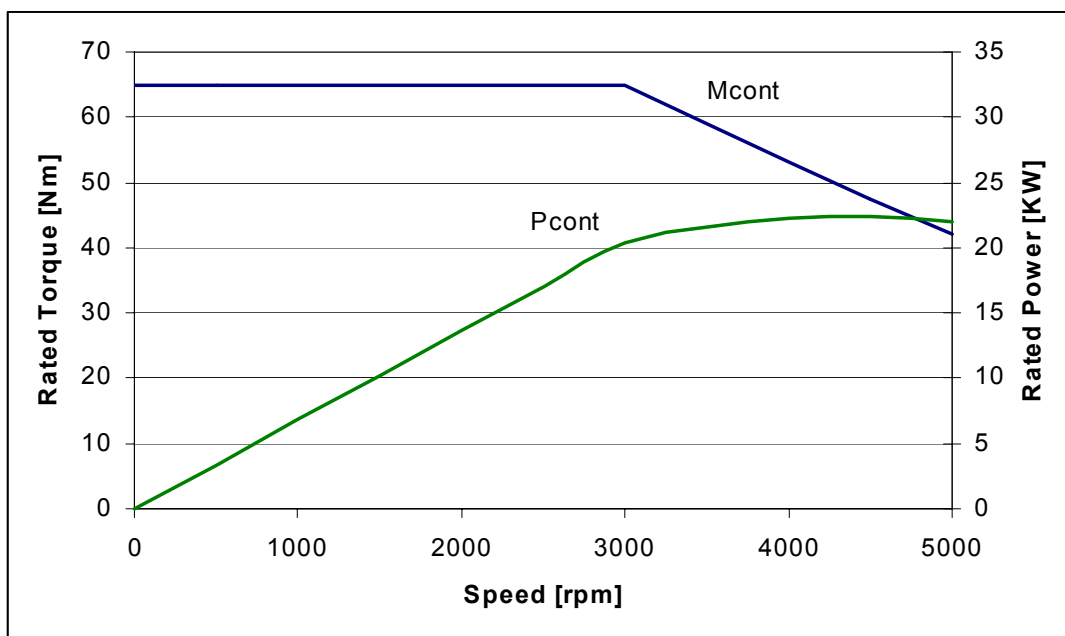
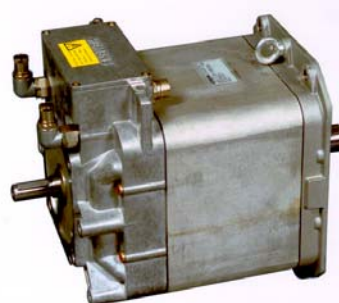
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Auxiliary Drive Motor 1PV5131-4WS52

Type	AC Induction Motor
Cooling Media	Water-Glycol
Rated Voltage DC	450 - 650 V
Rated Power	20 KW / 3.000 rpm
Rated Torque	65 Nm (< 3.000 rpm)
Max. Torque	120 Nm @ 90A
Rated Current	54 A
Max. Speed	5,000 rpm
Weight	54 kg
Dim. (LxWxH)	320 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 54



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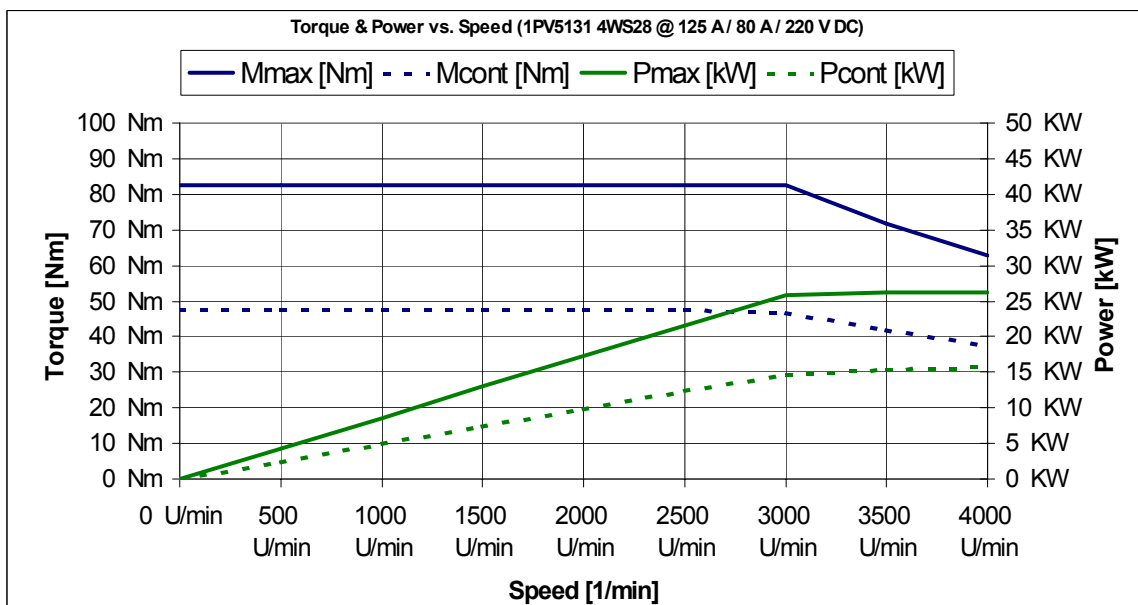
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Auxiliary Drive Motor 1PV5131-4WS28

Type	AC Induction Motor
Cooling Media	Water-Glycol (8 l/min)
Rated Voltage DC	450 - 650 V ¹⁾
Rated Power	15 KW / 3.000 rpm
Rated Torque	47 Nm (< 3.000 rpm)
Max. Torque	84 Nm @ 125A
Rated Current	80 A
Max. Speed	5,000 rpm
Weight	54 kg
Dim. (LxWxH)	320 x 245 x 245 mm
Ambient Temperature	- 30 °C to 70 °C
Degree of Protection	IP 54



Note 1: DC voltage fits for special auxiliary concept for seriell two auxiliary motor operation



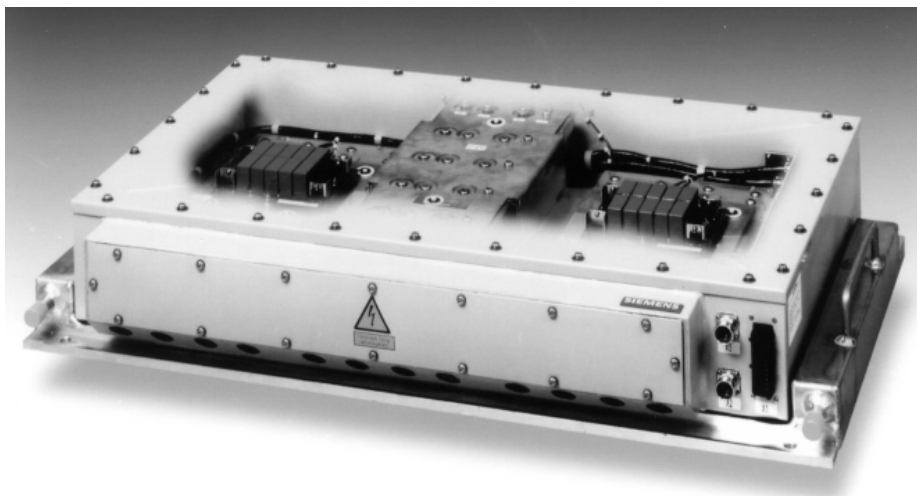
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IGBT-Inverter 422 055.9003.00

Type	Inverter 7 Phases
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Operating Voltage DC	110 V - 650 V
Rated Current Inv.	170 A
Rated Power Inv.	2 x 120 KVA
Rated Power Chopper	1 x 60 KW (@ 90 A)
Max. Current	250 A
Max. Power	2 x 175 KVA
Frequency Inv.	6 KHz
Frequency Chopper	2 KHz
Weight	72 kg
Dim. (lxwxh)	1000 x 567 x 180 mm
Degree of Protection	IP 54
Ambient Temperature	- 25 °C to 70 °C



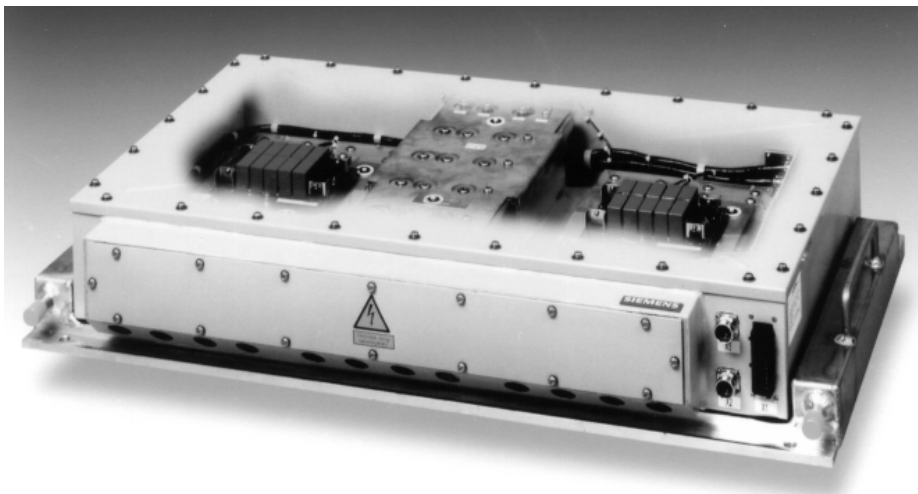
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SIEMENS

IGBT-Inverter 422 055.9003.01

Type	Inverter 7 Phases
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Operating Voltage DC	110 V - 650 V
Rated Current Inv.	170 A
Rated Power Inv.	2 x 120 KVA
Rated Power Chopper	1 x 60 KW (@ 90 A)
Max. Current	250 A
Max. Power	2 x 175 KVA
Frequency Inv.	6 KHz
Frequency Chopper	2 KHz
Weight	72 kg
Dim. (l x w x h)	1000 x 567 x 180 mm
Degree of Protection	IP 54
Ambient Temperature	- 25 °C to 70 °C



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SIEMENS

IGBT-Inverter 422 055.9003.02

Type	Inverter 7 Phases
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Operating Voltage DC	110 V - 650 V
Rated Current Inv.	170 A
Rated Power Inv.	2 x 120 KVA
Rated Power Chopper	1 x 60 KW (@ 90 A)
Max. Current	300 A
Max. Power	2 x 210 KVA
Frequency Inv.	6 KHz
Frequency Chopper	2 KHz
Weight	65 kg
Dim. (lxwxh)	1000 x 567 x 180 mm
Degree of Protection	IP 54
Ambient Temperature	- 25 °C to 70 °C



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SIEMENS

IGBT-Inverter 422 055.9003.03

Type	Inverter 8 Phases
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Operating Voltage DC	110 V - 650 V
Rated Current Inv.	170 A
Rated Power Inv.	2 x 120 KVA
Rated Power Chopper	2 x 60 KW (@ 90 A)
Max. Current	300 A
Max. Power	2 x 210 KVA
Frequency Inv.	6 KHz
Frequency Chopper	2 KHz
Weight	65 kg
Dim. (lxwxh)	1000 x 567 x 180 mm
Degree of Protection	IP 54
Ambient Temperature	- 25 °C to 70 °C



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SIEMENS

DC-DC-IGBT-Inverter 422 055.9004.00

Type	Inverter 3 Phases & DC/DC converter
Inverter & Chopper like	422 055 9003.00/01/02
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Operating Voltage DC	110 V - 650 V
Rated Current DC/DC	2 x 70 A
Rated Power DC/DC	2 x 31 kW @ 450 V
Output Voltage DC/DC	2 x 110 - 650 V
Max. Current DC/DC	2 x 200 A
Max. Power DC/DC	2 x 130 kW @ 650 V
Frequency DC/DC	10 KHz
Weight	65 kg
Dim. (l x w x h)	1000 x 567 x 180 mm
Degree of Protection	IP 54
Ambient Temperature	- 25 °C to 70 °C



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SIEMENS

DC-DC-IGBT-Inverter 422 055.9004.01

Type	Inverter 3 Phases & DC/DC converter
Inverter & Chopper like	422 055 9003.03
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Operating Voltage DC	110 V - 650 V
Rated Current DC/DC	2 x 70 A
Rated Power DC/DC	2 x 31 kW @ 450 V
Output Voltage DC/DC	2 x 110 - 650 V
Max. Current DC/DC	2 x 200 A
Max. Power DC/DC	2 x 130 kW @ 650 V
Frequency DC/DC	10 KHz
Weight	65 kg
Dim. (l x w x h)	1000 x 567 x 180 mm
Degree of Protection	IP 54
Ambient Temperature	- 25 °C to 70 °C



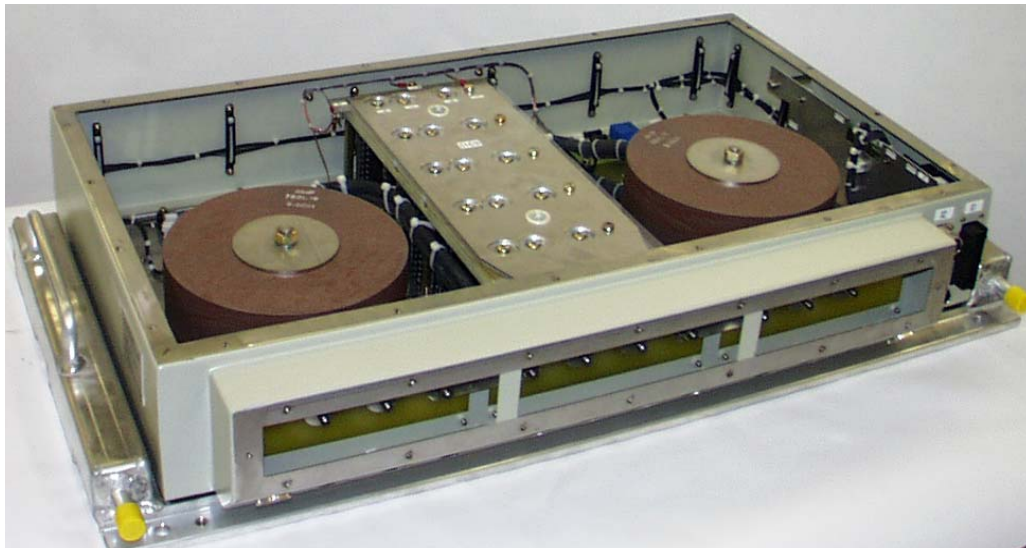
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Reactor Circuit 422 055.9005.00

Type	Reactor 2 Phases
Cooling Media	Water-Glycol
Rated Voltage DC	650 V
Operating Voltage DC	110 V - 650 V
Capacity (Intermediate Circuit)	5 mF
Inductance	2 x 1 mH
Rated Current	2 x 70 A
Max. Current	2 x 200 A
Frequency	10 kHz
Weight	115 kg
Dim. (lxwxh)	1000 x 567 x 180 mm
Degree of Protection	IP 54
Ambient Temperature	- 25 °C to 70 °C



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