

## Specifications Siemens 1FV51XX-XWSXX PM synchronous generators

Motor type	1FV5135-6WS36	1FV5139-6WS24	1FV5139-6WS28	1FV5168-8WS24
Rated power (kW)	90 @ 4000 rpm	145 @ 4000 rpm	135 @ 4000 rpm	180 @ 3000 rpm
Rated torque (Nm)	225	368	360	700
Rated DC voltage (V)	650	650	650	650
Rated current ( $A_{rms}$ )	148	220	200	265
Max power (kW)	110 @ 650 V DC	160 @ 650 V DC	160 @ 650 V DC	260 @ 650 V DC
Max torque (Nm)	290 @ 250 $A_{rms}$	470 @ 300 $A_{rms}$	540 @ 300 $A_{rms}$	950 @ 360 $A_{rms}$
Max motor speed (rpm)	4000	5000	5000	4000
Weight (kg)	86	120	120	180
Dimensions LxWxH (mm)	425x245x245	560x245x245	560x245x245	590x300x300

On request, both the motors and generators can be equipped with a custom winding design (WSXX) to achieve the right power/torque characteristic for your application.

The above mentioned motors and generators meet the following general specifications:

Cooling media	Water/glycol
Ambient temperature (°C)	-30...70
Degree of protection	IP65

On request, power/torque characteristics as well 2-D drawings for the standard motors and generators are available.