

Specifications Siemens 1PV51XX-4WSXX induction motors

Motor type	1PV5131-4WS52	1PV5135-4WS14	1PV5135-4WS18	1PV5135-4WS24	1PV5135-4WS28	1PV5138-4WS20	1PV5138-4WS24
Rated power (kW)	20	45	45	61	67	70	85
Rated torque (Nm)	65	120	120	160	160	205	220
Rated DC voltage (V)	450...650	215	300	520	650	500	650
Rated current (A _{rms})	54	215	165	145	124	170	142
Max power (kW)	50 @ 500 V DC	105 @ 350 V DC	135 @ 450 V DC	200 @ 750 V DC	200 @ 750 V DC	200 @ 750 V DC	200 @ 750 V DC
Max torque (Nm)	120 @ 90 A _{rms}	190 @ 280 A _{rms}	260 @ 280 A _{rms}	370 @ 300 A _{rms}	450 @ 300 A _{rms}	450 @ 300 A _{rms}	530 @ 300 A _{rms}
Max motor speed (rpm)	5000	10000	10000	10000	10000	10000	10000
Weight (kg)	54	86	86	86	86	113	113
Dimensions LxWxH (mm)	320x245x245	425x245x245	425x245x245	425x245x245	425x245x245	510x245x245	510x245x245

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.