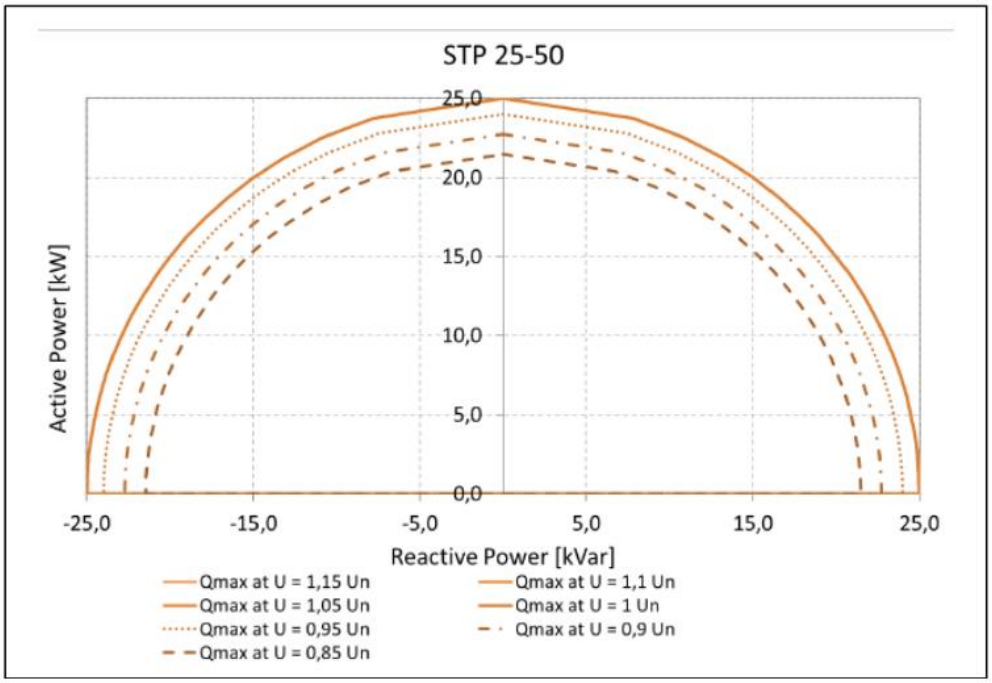
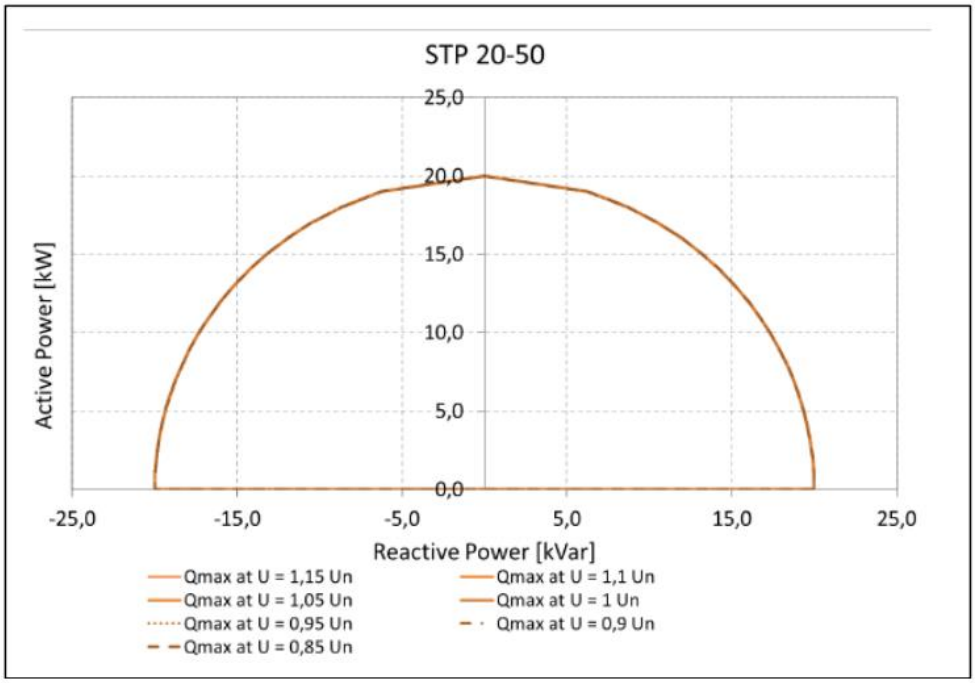
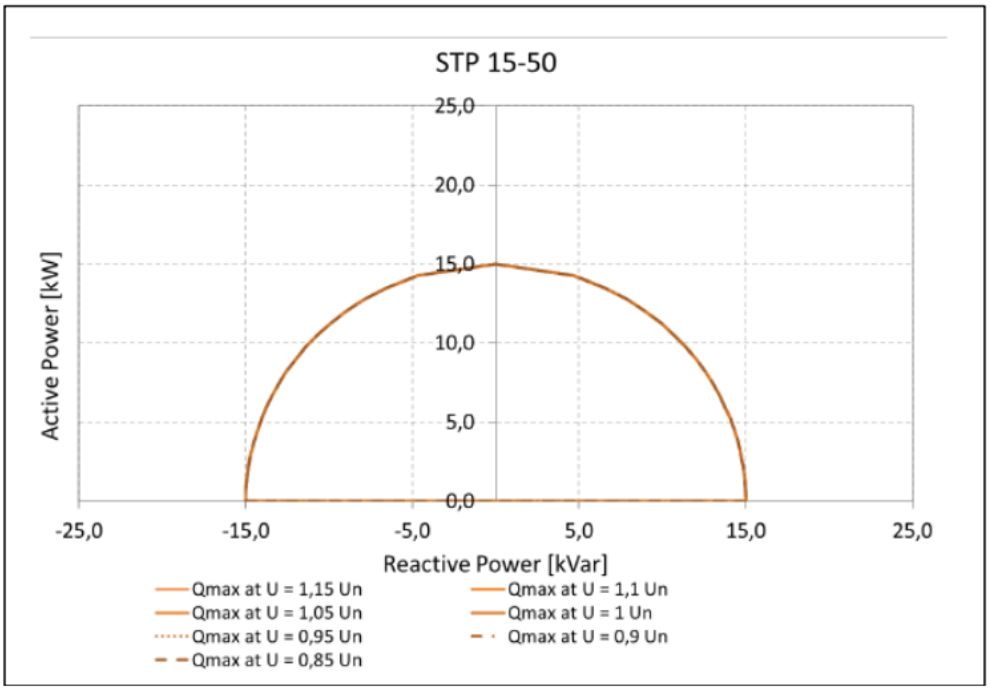
3.3.2 Blindleistungbereitstellung / Provision of reactive power

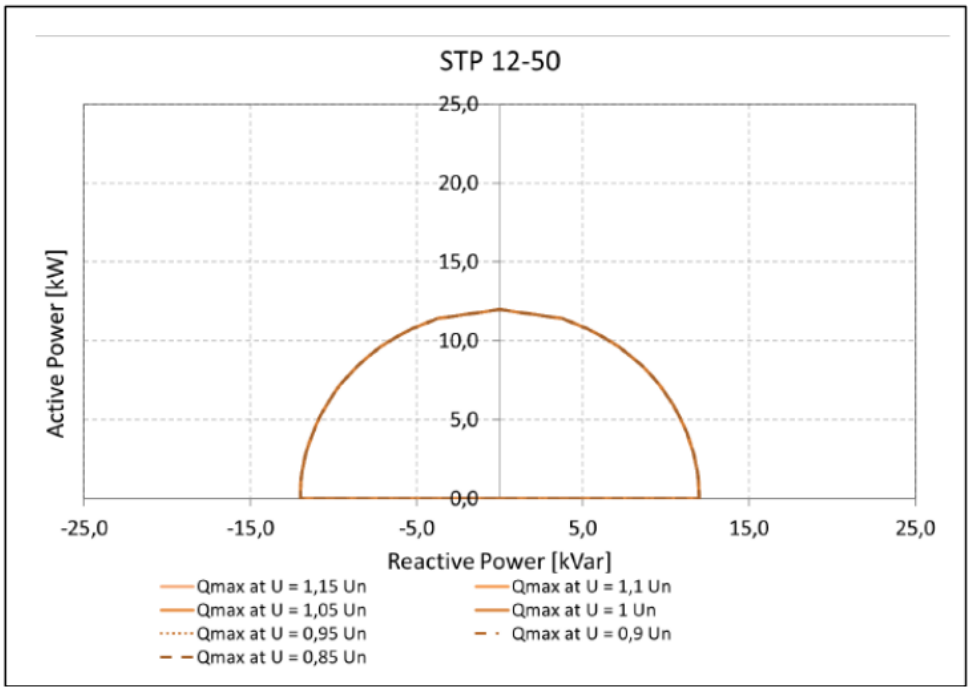
The certified apparatus fulfils the following P-Q diagram at different voltage levels, as stated in Documen reference [3]

For VDE-AR-N 4110 the voltage-dependent PQ diagram reactive power capability of STP 25-50, STP 20-50 STP 15-50 and STP 12-50 units is shown below:






STP 15-50
25,0
20,0
15,0
10,0
5,0
0,0
Active Power [kW]
-25,0
-15,0
-5,0
5,0
15,0
25,0
Reactive Power [kVar]
Qmax at U = 1,15 Un
Qmax at U = 1,1 Un
Qmax at U = 1,05 Un
Qmax at U = 1 Un
Qmax at U = 0,95 Un
Qmax at U = 0,9 Un
Qmax at U = 0,85 Un


STP 12-50
25,0
20,0
15,0
10,0
5,0
0,0
Active Power [kW]
-25,0
-15,0
-5,0
5,0
15,0
25,0
Reactive Power [kVar]
Qmax at U = 1,15 Un
Qmax at U = 1,1 Un
Qmax at U = 1,05 Un
Qmax at U = 1 Un
Qmax at U = 0,95 Un
Qmax at U = 0,9 Un
Qmax at U = 0,85 Un