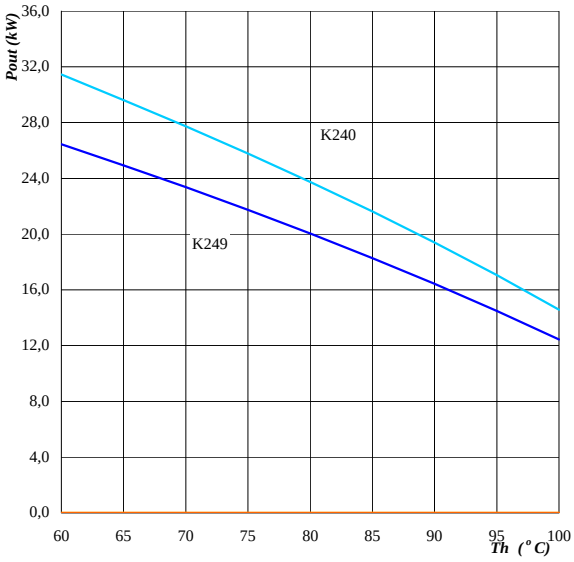
General conditions: 3 phase SPWM, Vgeon= 15 V
Vgeoff= -15 V

Figure 1. Typical available electric peak output power as a function of heatsink temperature

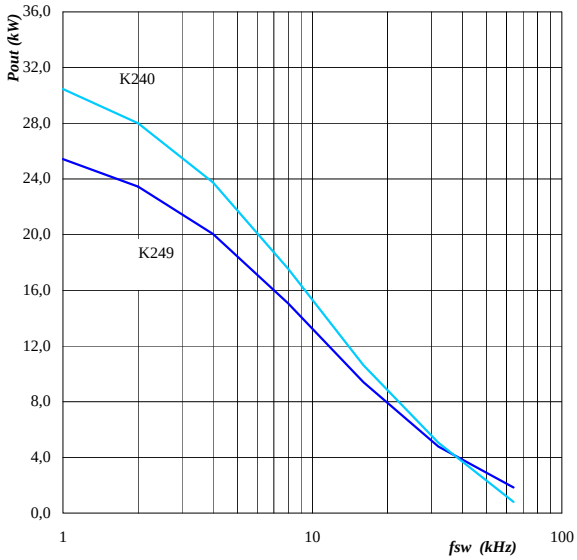
Inverter Pout=f(Th)



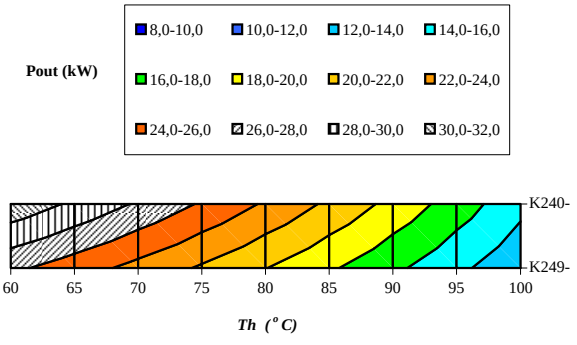
Conditions: Tj=125°C
DC link= 600 V
Modulation index Mi= 1
cosfi= 0,80
Switching frequency fsw= 4 kHz

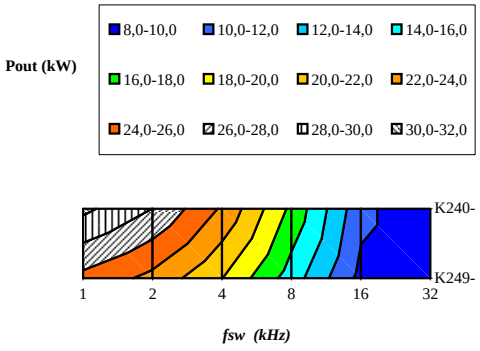
Figure 2. Typical available electric peak output power as a function of switching frequency

Inverter Pout=f(fsw)



Conditions: Tj=125°C
DC link= 600 V
Modulation index Mi= 1
cosfi= 0,80
Th= 80 °C





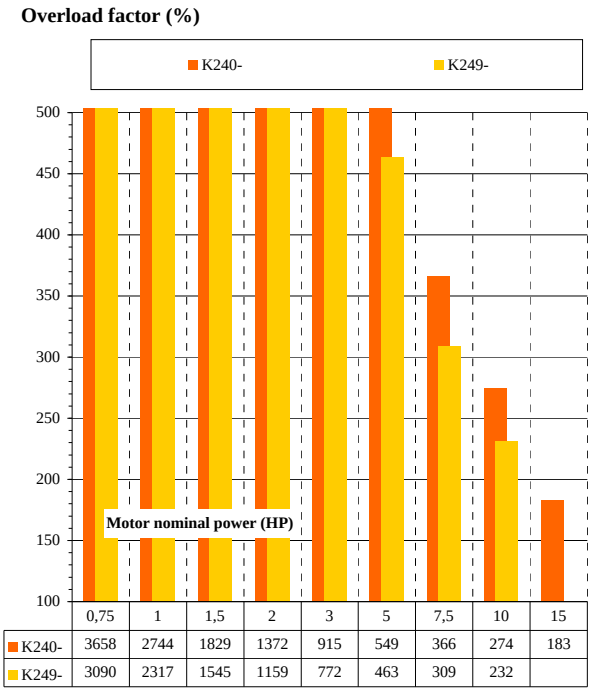
Module type	K249-	Rgon=	18 Ohm	Rgoff=	18 Ohm
	K240-	Rgon=	14	Rgoff=	14

Output inverter selection quide

General conditions: 3 phase SPWM, Vgeon= 15 V
Vgeoff= -15 V

Figure 3. Typical available overload factor as a function of motor power

Inverter Ppeak/Pnom=f(Pnom)



	0,75	1	1,5	2	3	5	7,5	10	15
K240-	3658	2744	1829	1372	915	549	366	274	183
K249-	3090	2317	1545	1159	772	463	309	232	

Conditions: Tj=125°C
DC link= 600 V
Modulation index Mi= 1
cosfi= 0,8
Switching frequency fsw= 4 kHz
Heatsink temperature= 80 °C
Motor efficiency= 0,85

Module type	K249-	Rgon=	18 Ohm	Rgoff=	18 Ohm
	K240-	Rgon=	14 Ohm	Rgoff=	14 Ohm