

V23990-P862-F49/F48-PM

preliminary datasheet

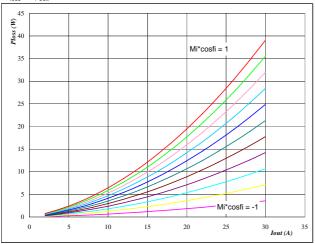
flowPACK 0 3rd gen

Output Inverter Application

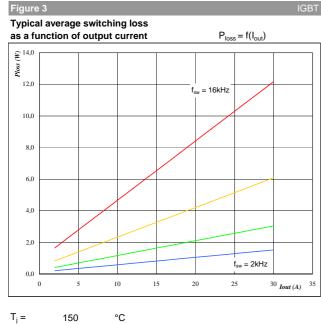
600V/15A

General conditions				
3phase SPWM				
V _{GEon}	=	15 V		
V_{GEoff}	=	-15 V		
R_{gon}	=	32 Ω		
R_{goff}	=	32 Ω		

Figure 1 Typical average static loss as a function of output current $P_{loss} = f(I_{out})$



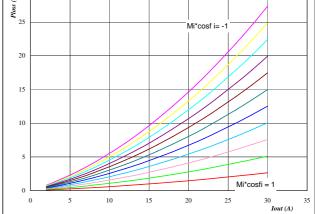
$T_j =$ 150 °C Mi*cosfi from -1 to 1 in steps of 0,2



DC link = 320 V

 f_{sw} from 2 kHz to 16 kHz in steps of factor 2 Figure 2 Typical average static loss as a function of output current

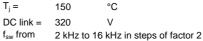




$T_j =$ 150 °C

Mi*cosfi from -1 to 1 in steps of 0,2







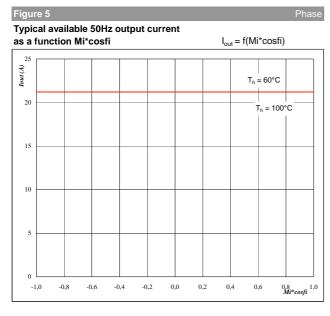
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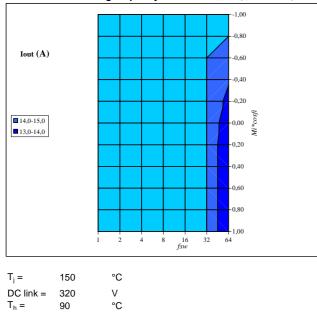
600V/15A

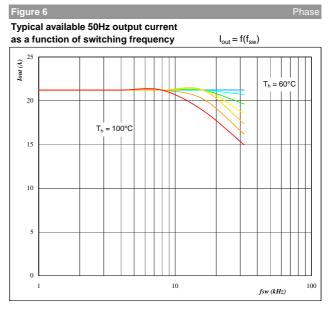


$T_j =$	150	°C
DC link =	320	V
f _{sw} =	4	kHz
T _h from	60 °C to 10	0 °C in steps of 5 °C

Figure 7

Typical available 50Hz output current as a function of Mi*cosfi and switching frequency $I_{out} = f(f_{sw}, Mi*cosfi)$





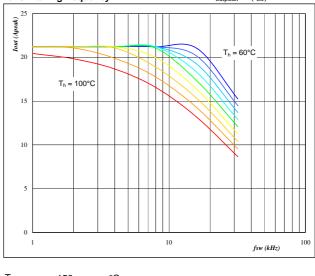
T _j =	150	°C
DC link =	320	V

Mi*cosfi = 0,8

 T_h from 60 °C to 100 °C in steps of 5 °C

Figure 8

Typical available 0Hz output current as a function of switching frequency $I_{outpeak} = f(f_{sw})$



$T_j =$	150	°C
DC link =	320	V
T _h from	60 °C to	100 °C in steps of 5 °C

Vincotech

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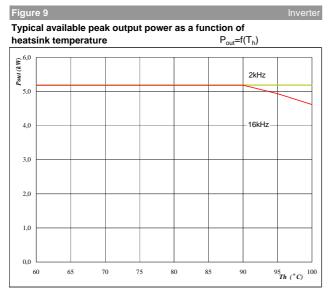
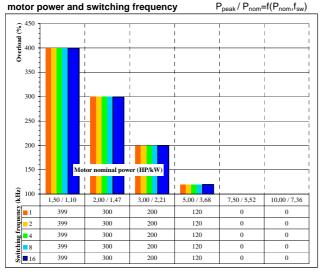


Figure 11

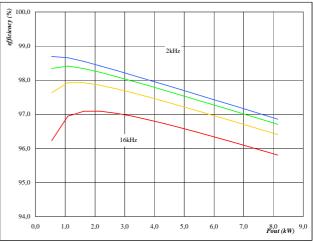
Typical available overload factor as a function of



 $T_j =$ 125 °C DC link = 320 V Mi = 1 cosfi = 0,8 f_{sw} from 1 kHz to 16 kHz in 2 steps $T_h =$ 90 °C Motor eff = 0,85

Figure 10 Typical efficiency as a function of output power

efficiency=f(P_{out})



T _i =	150	°C

DC link = 320

Mi = 1

cosfi = 0,80

 f_{sw} from 2 kHz to 16 kHz in steps of factor 2

V