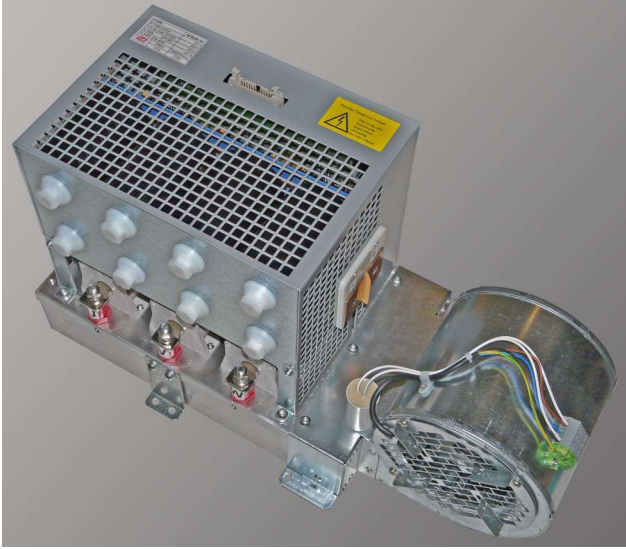# dutt

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DESCRIPTION

140 kW IGBT power stack with excellent performance for load control or grid regeneration. It is composed by:

- V_{SUPPLY} 24V.
- $V_{BUS (MAX)}$ 800V_{DC}.
- V_{BUS} measurement.
- Internal IGBT measurement.
- 3 phases current measurement
- Connection with control card with 26$_{PIN}$ flat cable.
- Capacitor bank6.600 µF
- Bus connection on both sides
- Fan connection both sides.
- A wide range of measurement with the same size.
- 100% fully electrically tested in production
- IGBT Mitsubishi CM400DY-24NF
- IGBT Driver Dutt design

Considered Area	Dimensions(mm) (Without fan)			Weight(Kg)
	Height	Width	Length	
Total necessary Area	290	255	310	17,4kg
Heatsink	77	215	310	

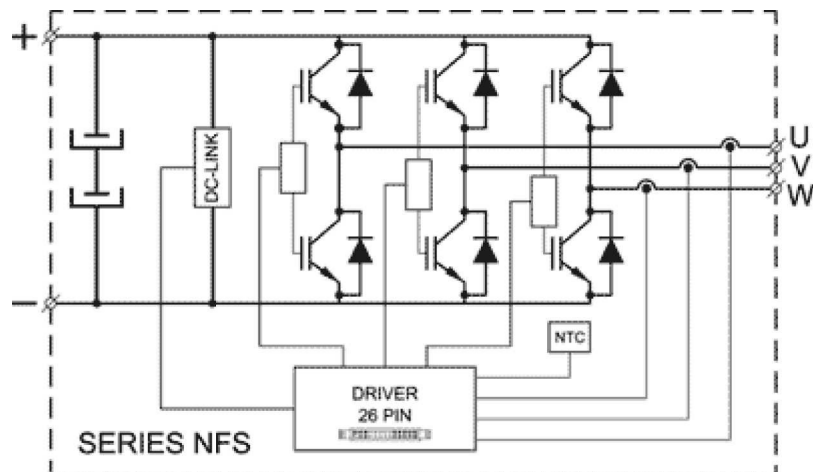## FRECUENCY-CURRENT(RMS) &FRECUENCY-CONSUMPTION
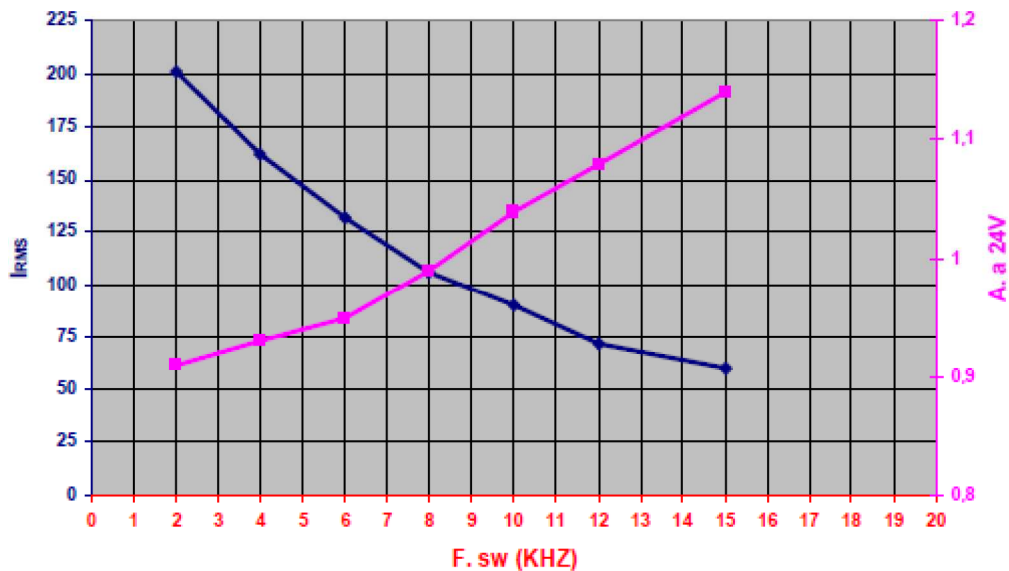
(V_{BUS}=560V,$T_{AMB.}$=40ºC,F.out=50Hz,FanSKF16B,Pressure$_{ATM}$=1010mbar)

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APPLICATIONS

- Motor control
- UPS
- Solar inverter
- Energy Storage
- Oil and gas pumps

TECHNICAL DIAGRAM

CUSTOMIZATION

All modules are 100% designed and manufactured in our facilities in Guipuzcoa(Spain). Power stacks (including drivers) or their respective control systems can be adapted according to the application.

Each project is different, please consult our technical team dutt@duttelectronics.com

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OPTIONAL CONTROL

All Dutt power stacks are compatible with any control system (26PIN flat cable).

Dutt also design control and software solutions fully compliant with their power stacks.

The power stacks control may be optionally performed by the inverter control board Dutt 5000, designed especially for applications with grid regeneration or for individual control of a motor/pump.

For applications that require simultaneous and precise control of multiple motors or pumps, the MTC4031 control board is highly recommend. This is capable of controlling with the highest precision, DC, asynchronous and brushless motors.
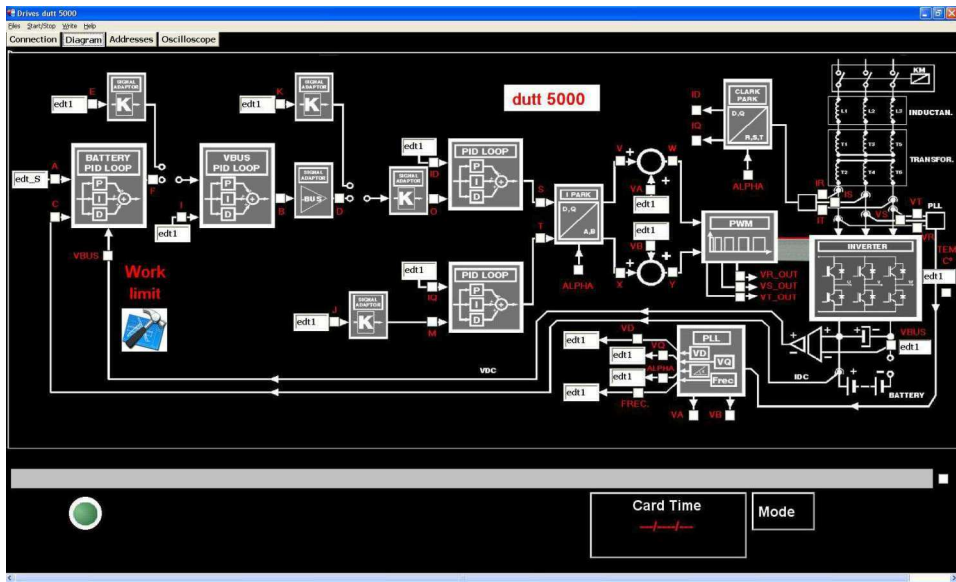
Dutt5000 Control panel

MTC4031 Oscilloscope panel

NFS 400v1 english
Revisión:17/04/2024