

## CROUZET - BLDC SQ57 MOTOR WITH INTEGRATED SMI21 DRIVE

80180XXX SMI21  
BLDC motor with Internal drive 105W 12→48Vdc  
2900rpm 350mNm

- 12→48 V dc, 92→170 W, 225→685 mNm, 1100→4000 rpm
- Speed, torque & position control
- Reduce control panel space & cabling
- Long life (>20,000 hours)
- IP65 as standard



### PRODUCT DESCRIPTION

The SMI21 integrated drive is ideal for applications where speed, torque & positional control is required.

The motor also incorporates a high resolution 4096ppr incremental encoder ideal for precise positioning applications.

Motion programming, configuring & set-up performed through the dedicated user friendly DCmind-soft PC software. The program can be controlled via basic switches or by external PLC.

The long lifetime of the brushless motor (>20,000 hours with rated load) means it is ideal for continuous or long duty applications.

Having the drive integrated into the motor can also save control panel space, reduce cabling and save set-up time.

3 motor sizes available with the same diameter (57mm x 57mm), just increasing the motor length for more power/torque options.

The motors are rated to IP65 dust/water protection class as standard.

Options for adaptation to the standard motor include adding a holding brake, special output shaft, special connectors, upgraded IP protection & special firmware developed according to your specific application requirements.

\* Product datasheets & 3D drawing for standard IP65 cable version attached as an example. Further information for braked version available upon request. Full documentation & user manuals also available upon request.

### TECHNICAL DATA

Diameter	57 mm
Integrated control	SMi21
IP class	IP65
Length	143 mm
Life span	20,000h
Nominal torque	0,35 Nm
Number of pulses per revolution	4096
Positioning feedback	Yes
Power	105 W

