

## CROUZET - 80831\*\*\* WORM GEAR MOTOR

### Industrial DC Series

80831XXX

Worm gearmotor, 33W, 12-48Vdc, 30rpm-300rpm, 10Nm max

- 12-48 Vdc, 10Nm max, 33W
- Speed range: 30 to 300 rpm
- High starting torque
- Compact, right angled gear motor



### PRODUCT DESCRIPTION

This compact DC motor range with right angle worm gearbox offers very smooth and quiet performance and suited to applications requiring high torque (up to 10Nm nominal) at speeds of up to 300rpm.

A wide range of supply voltage options are available from 12 to 48Vdc, and the standard motor which uses a high precision life-time lubricated gearbox, can be adapted to better suit the specific requirements of the application, adaption options include the addition of an encoder, EMC and minor mechanical/electrical modifications

Crouzet is world recognised as a premium mechatronic manufacturer and has well over 50years of experience in developing adapted motor solutions This range of motors is UL certified and also carries various other approvals, in line with all Crouzet products which are known across many automation industries.

### TECHNICAL DATA

IP class	IP20
Max. torque	10
Power	33 W
Ratio	i=5→50:1
Shaft diameter	10 mm
Speed options	30rpm→300rpm
Supply voltage	12 V DC, 24 V DC, 48 V DC
Type of gearbox	Worm
Weight	2.11 kg

[illegible]

The technical drawing shows two views of the M4000 pump assembly:

- Front View (Left):** Shows the pump head with a central inlet/outlet port. Dimensions include a total width of 61.6 mm, a mounting flange diameter of Ø 76 mm, and various internal clearances and offsets.
- Side View (Right):** Shows the pump body and motor connection. Key dimensions include a total length of 176.1 max., a mounting flange diameter of Ø 82.7 max., and a base height of 89.4 mm.

**Legend:**

- ① 4 x M5 depth 8 mm
- ② Centring diameter
- ③ 4 x M4 over Ø 36 - depth 8 mm
- ④ 4 x M5 - depth 8 mm