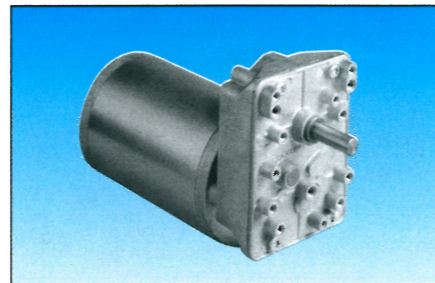


D.C. geared motors

- Speed range : 2.8 to 69 rpm
- Gearboxes with torque ratings from : 1.2 to 6 Nm, solid metal gears
1.2 and 6 Nm versions provide long life
- Motors : maximum usable power 33 W
- Lead connection, length 200 mm



Applications

- X-ray equipment
- Livestock feeding machines
- Dough and pastry making machines
- Paper drives and staplers in photocopiers
- Drives for moving advertising displays
- Reset devices for low-voltage circuit breakers
- High-volume printers
- Drives for hydraulic pumps
- Etc.

Types

| | | 82 832 0 | 82 832 0 | 82 832 0 |
|----------------------------|------------|----------|----------|----------|
| Nominal voltage | | | | |
| | | 12 V | 24 V | 48 V |
| Output speeds (rpm) | | | | |
| | Ratios (i) | | | |
| 69 | 26 | • | • | • |
| 55 | 32.5 | • | • | • |
| 42 | 130/3 | • | • | • |
| 27 | 67.6 | • | • | • |
| 21 | 598/7 | • | • | • |
| 14 | 130 | • | • | • |
| 8 | 650/3 | — | — | — |
| 5 | 338 | — | — | — |
| 2.8 | 650 | — | — | — |

Standard gear box shaft : see dimensions

General characteristics

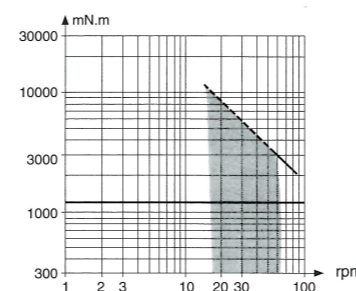
| | | 82 830 0 | 82 830 0 | 82 830 0 |
|---|-----|----------|----------|----------|
| Motor | | 81 032 1 | 81 032 1 | 81 032 1 |
| Gearbox | | | | |
| Maximum permitted torque on gearbox for continuous duty | N.m | 1.2 | 1.2 | 1.2 |
| Axial load (dynamic) | daN | 3.5 | 3.5 | 3.5 |
| Radial load (dynamic) | daN | 5 | 5 | 5 |
| Maximum usable power | W | 33 | 33 | 33 |
| Nominal usable power | W | 27 | 27 | 27 |
| Gearbox case temperature rise | °C | 50 | 50 | 50 |
| Weight | g | 1200 | 1200 | 1200 |

Nominal speed and torque curves

The shaded zone represents the operating range of the geared motor.

The horizontal line marks the maximum torque available in continuous duty cycle for a given life.

For higher torque ratings, service life will be reduced.



Made to order products, available on request

Motor :

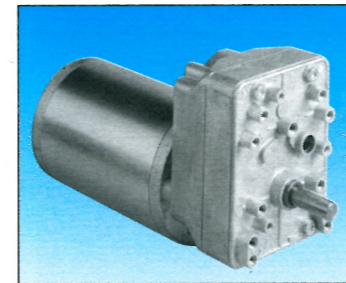
- other supply voltages
- shaft lengths at front and/or rear
- specific interference suppression
- encoders
- other front and rear fixing plates

Gearboxes :

- needle bearings for 81 032 6 see page 1/42
- special cover for 81 032 6 see page 1/42
- special lubrication
- special shaft
- other reduction ratios

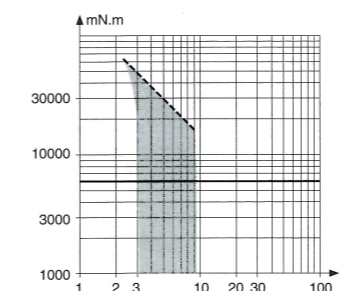
Other information

Basic principles : see page 1/6.
Motor 82 830 0 : see page 1/12.



| | 82 832 5 | 82 832 5 | 82 832 5 |
|----------------------------|----------|----------|----------|
| Nominal voltage | | | |
| | 12 V | 24 V | 48 V |
| Output speeds (rpm) | | | |
| | | | |
| 69 | • | • | • |
| 55 | • | • | • |
| 42 | • | • | • |
| 27 | • | • | • |
| 21 | • | • | • |
| 14 | • | • | • |
| 8 | — | — | — |
| 5 | — | — | — |
| 2.8 | — | — | — |

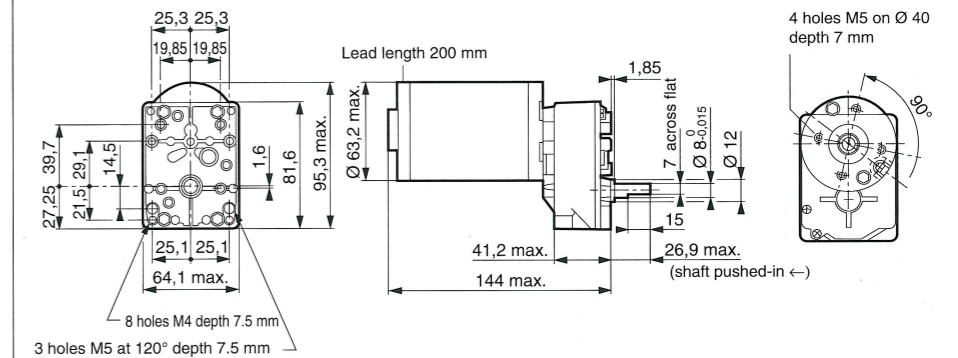
| | 82 830 0 | 82 830 0 | 82 830 0 |
|---|----------|----------|----------|
| Motor | 81 032 6 | 81 032 6 | 81 032 6 |
| Gearbox | | | |
| Maximum permitted torque on gearbox for continuous duty | 6 | 6 | 6 |
| Axial load (dynamic) | 3.5 | 3.5 | 3.5 |
| Radial load (dynamic) | 5 | 5 | 5 |
| Maximum usable power | 33 | 33 | 33 |
| Nominal usable power | 27 | 27 | 27 |
| Gearbox case temperature rise | 50 | 50 | 50 |
| Weight | 1400 | 1400 | 1400 |



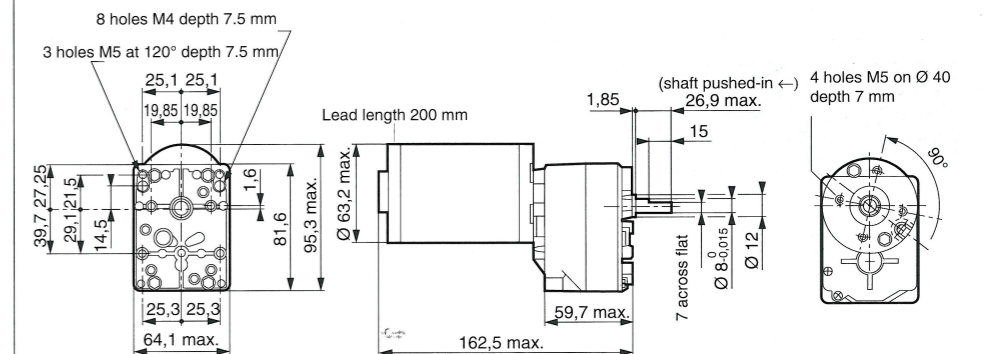
- 1
- 2
- 3

Dimensions

82 832 0



82 832 5



To order, specify :

- Standard products, non stocked

- 1 Type
- 2 Nominal voltage
- 3 Output speed

Example : D.C. geared motor 82 832 0 - 12 V - 55 rpm