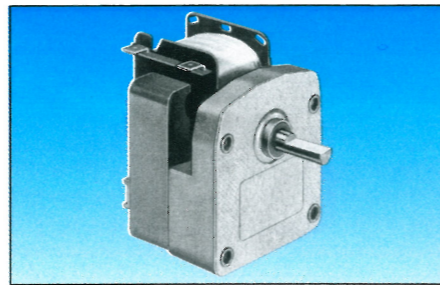


Asynchronous geared motors

- All metal gearbox
- Low-cost
- Torque rating : 2 N.m
- High speeds (60 rpm at 400 rpm)
- Usable powers from 2.5 W to 9.7 W
- UL - CSA approved see page 4/7
- IP00 degree of protection



Applications

- Automatic feeders
- Roasting and kebab spits
- Grinders
- Mechanised advertising hoardings
- Stirrers
- Light displays

Types		80 603 0	80 623 0
Voltage and frequency		230 or 240 V 50 Hz	230 or 240 V 50 Hz
Direction of rotation		Clockwise or Anti-clockwise	Clockwise or Anti-clockwise
Output speeds (rpm)	Ratios (i)		
400	13/2	•	•
200	13	•	•
103	455/18	•	•
60	130/3	•	•

Standard gearbox shaft: see dimensions

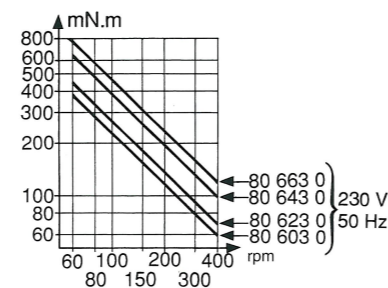
General characteristics

		82 600 0	82 620 0
Motor		81 043 0	81 043 0
Gearbox		2	2
Maximum permitted continuous-rated gearbox output torque over 1 million revolutions	N.m	2	2
Base speed of motor (with nominal load) 50 Hz	rpm	2600	2600
Axial load (dynamic)	da.N	2	2
Radial load (dynamic)	da.N	2	2
Absorbed power	W	23.8	23.7
Usable motor power	W	3.1	5.2
Cos φ (power factor)		0.53	0.57
Maximum temperature rise	°C	70	70
Ambient temperature	°C	-5 +60	-5 +60
Weight (approximate)	g	710	870

Options : With catalogue products available to order

Options	80 603 0	80 623 0
Voltages / Frequencies	•	•
Coil with flying leads (length 250 mm)	•	•
8 mm Ø round shaft (79 261 300) see page 4/13	•	•
8 mm Ø shaft with flat and rear extension (79 261 314), see page 4/13	•	•

Torque /Speed curves



Made to order products available on request

Motors :

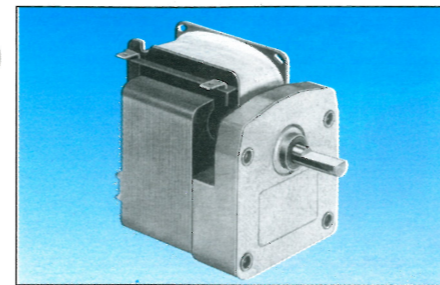
- other voltages and frequencies
- lead length
- oversized winding (see page 4/5)
- for vertical operation (see page 4/24)
- cooling fan (see page 4/27)
- coil supplied with thermal cut-out to suit duty factor 100 °C, 120 °C, or 30 °C.
- position of motor relative to gearbox (for H position see page opposite)
- UL/CSA approved products
- rear shaft extension
- brake (see page 4/26)

Gearboxes :

- other output speeds
- other output shafts

Other information

Basic principles see page 4/4
Insulation class IEC 85 : A
Speed rises by 20 % for a change in supply frequency from 50 Hz to 60 Hz.



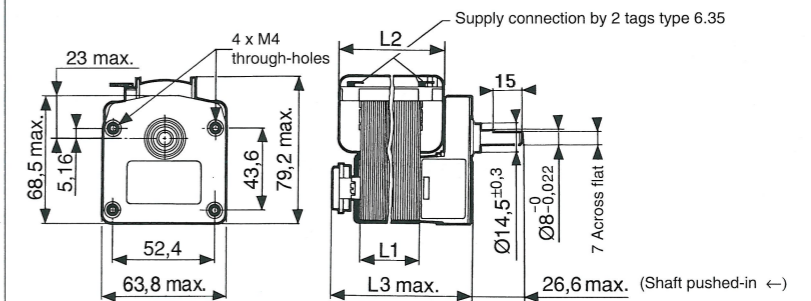
Types		80 643 0	80 663 0
Voltage and frequency		230 or 240 V 50 Hz	230 or 240 V 50 Hz
Direction of rotation		Clockwise or Anti-clockwise	Clockwise or Anti-clockwise
Output speeds (rpm)	Ratios (i)		
400	13/2	•	•
200	13	•	•
103	455/18	•	•
60	130/3	•	•

		82 640 0	82 660 0
Motor		81 043 0	81 043 0
Gearbox		2	2
Maximum permitted continuous-rated gearbox output torque over 1 million revolutions	N.m	2	2
Base speed of motor (with nominal load) 50 Hz	rpm	2600	2600
Axial load (dynamic)	da.N	2	2
Radial load (dynamic)	da.N	2	2
Absorbed power	W	28.4	32
Usable motor power	W	0.57	0.57
Cos φ (power factor)		70	70
Maximum temperature rise	°C	-5 +60	-5 +60
Ambient temperature	°C	1170	1460

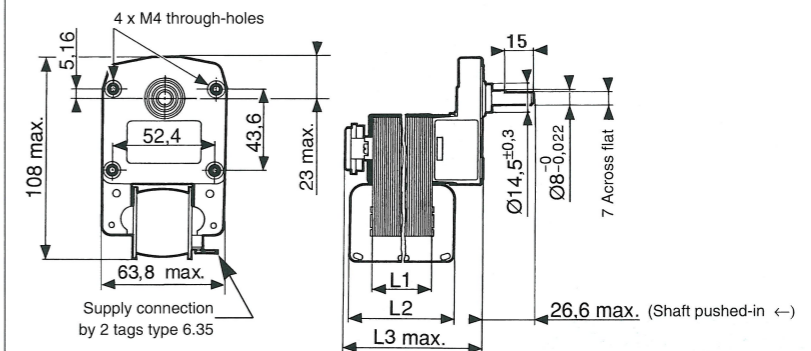
Options	80 643 0	80 663 0
Voltages / Frequencies	•	•
Coil with flying leads (length 250 mm)	•	•
8 mm Ø round shaft (79 261 300) see page 4/13	•	•
8 mm Ø shaft with flat and rear extension (79 261 314), see page 4/13	•	•

Dimensions

80 603 0 - 80 623 0 - 80 643 0 - 80 663 0



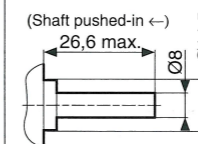
Option : Position H



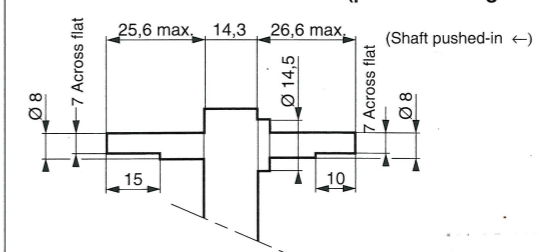
Types	L1 (mm)	L2 (mm)	L3 (mm)
80 603 0	14	35	56
80 623 0	20	42.6	62
80 643 0	30	52.6	72
80 663 0	40	62.6	82

Products available to order : gearbox output shaft

Shaft : 79 261 300



Rear shaft extension : 79 261 314 (possible with gearbox H)



To order, specify :

Standard products, non stocked

- 1 Type
- 2 Voltage and frequency
- 3 Direction of rotation
- 4 Output speed
- 5 Option

Example : Asynchronous motor - 80 603 0 - 230 V - 50 Hz - Clockwise - 200 rpm - Shaft 79 261 300