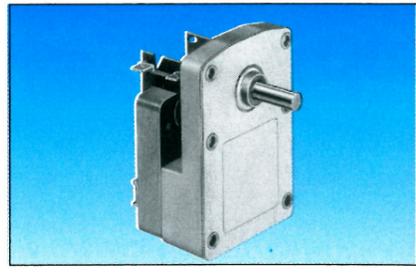


Asynchronous geared motors

- All metal gearbox
- Low-cost
- Torque rating : 2 Nm
- Low speeds (1.9 rpm at 40 rpm)
- Usable power from 2.5 watts to 9.1 watts
- 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

- ### 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° - 120° or 130° 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

Types		80 604 0	80 624 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)			
40	65	•	•
20	130	•	•
12	217	•	•
4	650	•	•
1.90	1365	•	•

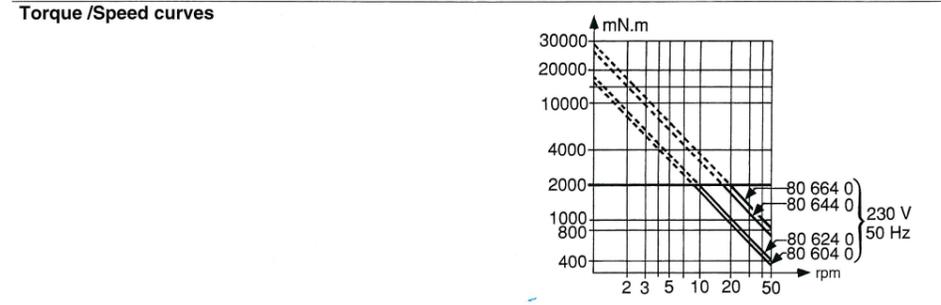
Standard gearbox shaft: see dimensions

General characteristics

		82 600 0	82 620 0
Motor		81 044 0	81 044 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	780	950

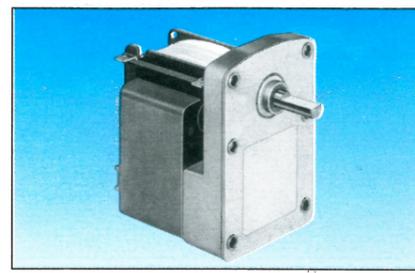
Options : With catalogue products available to order

Options	80 604 0	80 624 0
Voltages / Frequencies 24 - 115 V - 50 Hz	•	•
24 - 115 V - 60 Hz	•	•
Coil with flying leads (length 250 mm)	•	•
8 mm Ø round shaft (79 261 300) see page 4/11	•	•
8 mm Ø shaft with flat and rear extension (79 261 300), see page 4/11	•	•



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.



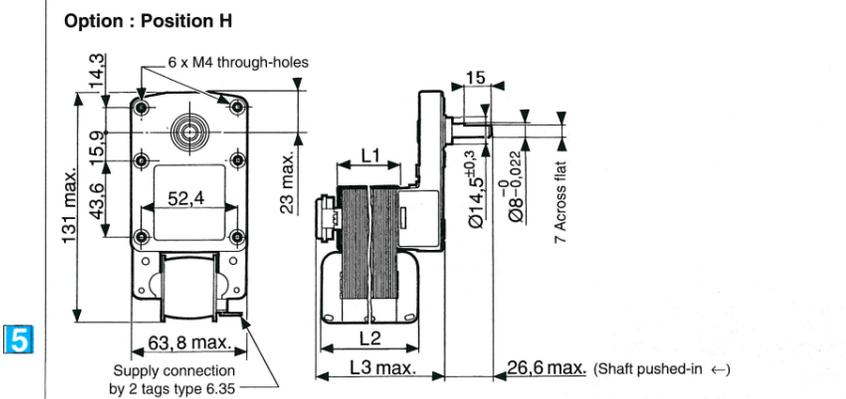
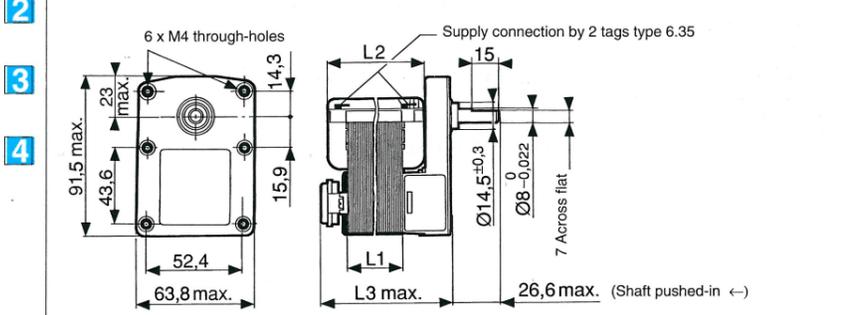
Types		80 644 0	80 664 0
Voltage and frequency		230 or 240 V 50 Hz	230 or 240 V 50 Hz
Direction of rotation		Clockwise or Anti-clockwise	Clockwise or Anti-clockwise
Output speeds (rpm)			
40	65	•	•
20	130	•	•
12	217	•	•
4	650	•	•
1.90	1365	•	•

Types		82 640 0	82 660 0
Gearbox		81 044 0	81 044 0
Maximum permitted continuous-rated gearbox output torque over 1 million revolutions		2	2
Base speed of motor (with nominal load) 50 Hz		2600	2600
Axial load (dynamic)		2	2
Radial load (dynamic)		2	2
Absorbed power		28.4	32
Usable motor power		8.2	9.5
Cos φ (power factor)		0.57	0.57
Maximum temperature rise		70	70
Ambient temperature		-5 +60	-5 +60
Weight (approximate)		1230	1530

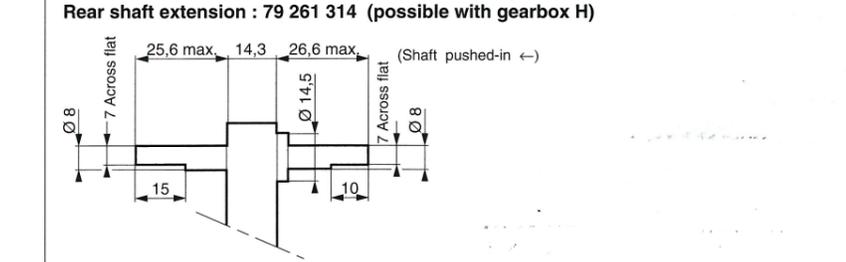
Options	80 644 0	80 664 0
Voltages / Frequencies 24 - 115 V - 50 Hz	•	•
24 - 115 V - 60 Hz	•	•
Coil with flying leads (length 250 mm)	•	•
8 mm Ø round shaft (79 261 300) see page 4/11	•	•
8 mm Ø shaft with flat and rear extension (79 261 300), see page 4/11	•	•

1 Dimensions

80 604 0 - 80 624 0 - 80 644 0 - 80 664 0



Types	L1 (mm)	L2 (mm)	L3 (mm)
80 604 0	14	35	56
80 624 0	20	42.6	62
80 644 0	30	52.6	72
80 664 0	40	62.6	82



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 - 80 604 0 - 230 V 50 Hz - Clockwise - 12 rpm - Shaft 79 261 300