

# Reversible synchronous geared motors

→ 0.5 Nm 3.5 Watts

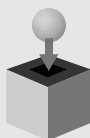
- Mechanical strength : 0.5 Nm
- Constant speed, dependent on supply frequency
- Wide range of speeds available
- Direction of rotation controlled by dephasing capacitor
- Permanent magnet rotor
- UL, CSA, VDE approved, comply with IEC standards



## Specifications

	3.5 Watts		3.5 Watts	
Type	82 524 0		82 524 4	
Base speed of motor (rpm)	300		450	
Voltage / Frequency	115 V - 60 Hz		115 V - 60 Hz	
<b>Output speed (250 RPM)</b>	<b>Output speed (375 RPM)</b>	<b>Ratios (i)</b>		
25.00 tr/min	37.50 tr/min	12	<b>82 524 0A40025MB</b>	<b>82 524 4A437.5MB</b>
20.00 tr/min	30.00 tr/min	15	<b>82 524 0A40020MB</b>	<b>82 524 4A40030MB</b>
13.33 tr/min	20.00 tr/min	20	<b>82 524 0A413.33MB</b>	<b>82 524 4A422.5MB</b>
12.50 tr/min	18.75 tr/min	25	<b>82 524 0A412.5MB</b>	<b>82 524 4A40018MB</b>
10.00 tr/min	15.00 tr/min	30	<b>82 524 0A40010MB</b>	<b>82 524 4A40015MB</b>
5.00 tr/min	7.50 tr/min	60	<b>82 524 0A40005MB</b>	<b>82 524 4A407.5MB</b>
4.00 tr/min	6.00 tr/min	75	<b>82 524 0A40004MB</b>	<b>82 524 4A40006MB</b>
2.50 tr/min	3.75 tr/min	120	<b>82 524 0A402.5MB</b>	<b>82 524 4A43.75MB</b>
2.00 tr/min	3.00 tr/min	150	<b>82 524 0A40002MB</b>	<b>82 524 4A40003MB</b>
1.00 tr/min	1.50 tr/min	300	<b>82 524 0A40001MB</b>	<b>82 524 4A401.5MB</b>
0.33 tr/min	0.50 tr/min	900	<b>82 524 0A40.33MB</b>	<b>82 524 4A400.5MB</b>
<b>General characteristics</b>				
Motor	82 520 0		82 520 4	
Gearbox	81 021 0		81 021 0	
Maximum permitted continuous rated gearbox output torque for 1 million revolutions of gearbox output shaft Nm	0.5		0.5	
Axial load (static) daN	1		1	
Radial load (static) daN	8		8	
Absorbed power (W)	3.5		3.5	
Motor output (W)	0.98		1.12	
Maximum temperature rise (°C)	50		50	
Ambient temperature (°C)	-5 → +70		-5 → +70	
Weight (g)	140		140	
Wires length mm (approximately)	250		250	
Protection rating	IP40		IP40	

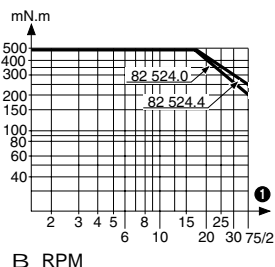
## Products adaptations, available on request



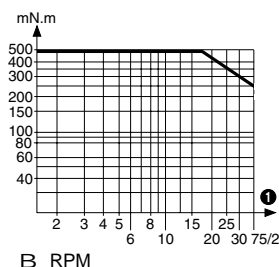
- Special supply voltages
- Special cable lengths
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear material
- Special output bearings
- Special mounting plate

## Curves

Torque/speed curves 82 524 0



Torque/speed curves 82 524 4



Products and specifications subject to change without notice.

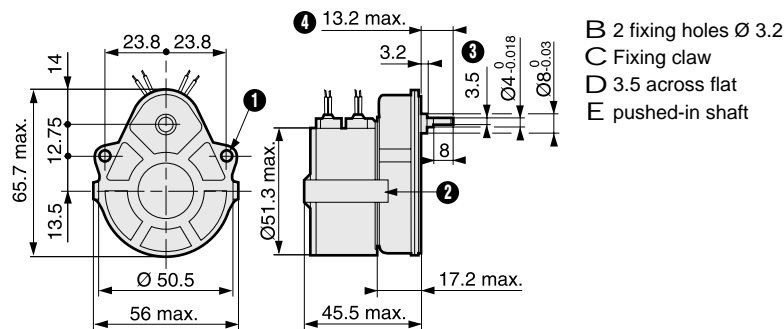
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## Accessories

Voltages/Frequencies	$\mu\text{F}$	V	Code
Capacitors for motor 82 524 0			
230-240 V - 50 Hz	$0.10 \pm 10 \%$	700	26 231 941
115 V 60 Hz	$0.33 \pm 10 \%$	400	26 231 801
24 V - 50 Hz	$8.2 \pm 10 \%$	70	26 231 711
Capacitors motor 82 524 4			
230/240 V - 50 Hz	$0.12 \pm 10 \%$	600	26 231 903
115 V 60 Hz	$0.39 \pm 5 \%$	630	26 231 924
24 V - 50 Hz	$15 \pm 5 \%$	70	26 231 728
24 V - 60 Hz	$12 \pm 5 \%$	63	26 231 145

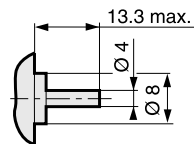
## Dimensions

82 524 0 - 82 524 4



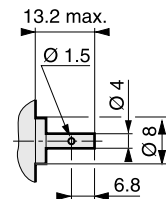
## Options

Shaft 79 200 967



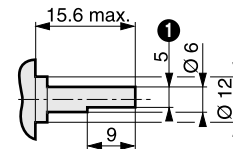
B (pushed-in shaft ←)

Shaft 79 200 779



B (pushed-in shaft ←)

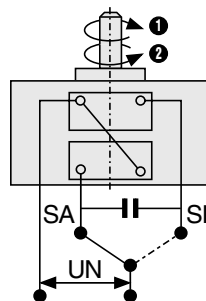
Shaft 70 999 421 SP1295-10



B 5 across flat

## Connections

In parallel  
Motors 82 520 0 - 82 520 4



B SA : Clockwise  
C SI : Counter-clockwise

## Other information

The speed of a motor powered by a 60 Hz supply is 20 % higher than that of a motor powered by a 50 Hz supply.

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