

2 Nm 3.5 Watts 3.5 Watts Part number



- Mechanical strength: 2 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

	Type	Type	Voltage / Frequency	Base speed of motor (rpm)	Output speed	Ratios (i)
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	13,33 rpm	75/4
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	10,00 rpm	25
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	8,33 rpm	30
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	6,94 rpm	36
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	6,25 rpm	40
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	5,21 rpm	48
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	5,00 rpm	50
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	4,17 rpm	60
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	3,47 rpm	72
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	3,13 rpm	80
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	2,50 rpm	100
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	2,08 rpm	120
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,67 rpm	150
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,56 rpm	160
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,25 rpm	200
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,04 rpm	240
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,00 rpm	250
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,83 rpm	300
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,69 rpm	360
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,67 rpm	375
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,50 rpm	500
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,46 rpm	540
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,42 rpm	600
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,35 rpm	720
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,33 rpm	750
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,31 rpm	800
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,23 rpm	1080
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,21 rpm	1200
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,17 rpm	1440
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,14 rpm	1800
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,12 rpm	2160
CONSULT US	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,10 rpm	2400
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	8,21 rph	2880
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	5,00 rph	3000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	4,17 rph	3600
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	3,47 rph	4320
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	2,5 rph	6000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	2,08 rph	7200
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,67 rph	9000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,39 rph	10800

MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,25 rph	12000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1,04 rph	14400
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,69 rph	21600
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,42 rph	36000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,35 rph	43200
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,25 rph	54000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,21 rph	72000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,14 rph	108000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,10 rph	144000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	0,08 rph	180000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1/14,4 rph	216000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1/28,8 rph	432000
MADE TO ORDER	3.5 Watts	82 529 0	230-240 V - 50 Hz	250	1/57,6 rph	864000
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	75/4
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	25
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	30
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	36
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	40
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	48
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	50
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	60
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	125/2
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	72
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	80
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	100
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	120
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	150
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	160
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	200
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	240
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	250
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	300
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	360
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	375
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	500
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	540
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	600
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	720
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	750
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	800
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	1080
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	1200
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	1440
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	1800
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	2160
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	2400
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	2880
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	3000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	3600
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	4320
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	6000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	7200

CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	9000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	10800
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	12000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	14400
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	21600
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	36000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	43200
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	54000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	72000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	108000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	144000
MADE TO ORDER	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	180000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	216000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	432000
CONSULT US	3.5 watts	82 529 4	230-240 V - 50 Hz	375	-	864000

Motor

Gearbox	81 033 0
Maximum permitted continuous rated gearbox output torque for 1 million revolutions of gearbox output shaft (Nm)	2.0
Axial load static (daN)	1
Radial load static (daN)	10
Absorbed power (W)	3,5
Motor output (W)	0,98
Maximum temperature rise (°C)	50
Ambient temperature (°C)	-5 → +70
Weight (g)	260
Wires length mm (approximately)	250
Protection rating	IP40

Voltages/Frequencies

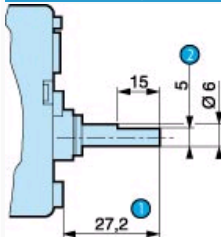
Capacitors for motor 825200

230-240 V - 50 Hz

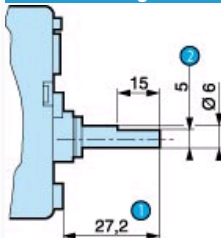
115 V - 60 Hz

24 V - 50 Hz

μF	V AC	Code
0,1 ± 10%	500	26231941
0,33 ± 10%	400	26231801
8,2 ± 10%	70	26231711

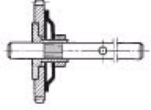
Dimension Diagram : 82 529 0 - 82 529 4

N°	Legend
1	2 fixing holes $\varnothing 3.2$
2	Fixing clip
3	5 across flat
4	(pushed-in shaft)
5	3 mounting bosses $\varnothing 7.2$ at 120° on radius= 19.5 - 3 holes M3 depth 4

Dimension Diagram : Shaft 79 202 573

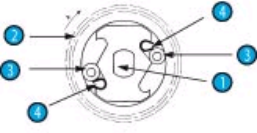
N°	Legend
1	(pushed-in shaft)

: Torque limiter F symbol



This device is situated inside the gearbox and is particularly recommended when gearbox protection is required in the event of accidental overloading. In this system, the final gear is connected to the gearbox output shaft by means of a friction assembly. In some cases, this device can be used for time adjustment or zero reset on timers. The standard torque setting is from:
- 1.8 to 2.5 cm/kg for gearbox 81 021 and 81 033 0

: Freewheel device - Y system



This device, situated inside the gearbox, enables the output shaft to be rotated by an external force (manual or mechanical) independently of the final wheel of the gearbox.

A specially shaped cam (1) is directly fitted on the gearbox output shaft. The final wheel (2) of the gearbox pivots freely on this shaft and has a housing into which the cam fits (1). Between the cam and final wheel two rollers are symmetrically located held in place under the pressure of two springs (4).

When the geared motor is energised, it causes the final wheel (2) to rotate which, via the two rollers (3), in turn drives the output shaft.

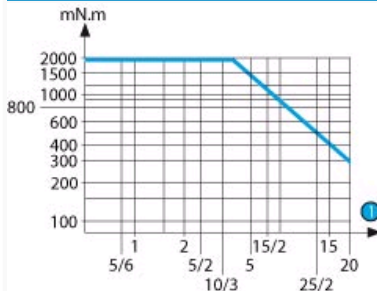
If, under external force, the output shaft is turned in the same direction as the final wheel but at a higher speed, the two rollers (3) release the final wheel and the shaft speed becomes independent of the speed of the final wheel.

The rollers can be located according to whether the final wheel is rotating clockwise or anti-clockwise.

Can be used with gearboxes 81 021 0 and 81 033 0.

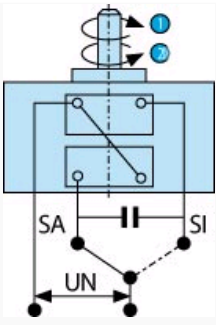
N°	Legend
1	Cams
2	Einstellräder
3	Roller
4	

Curves : Torque/speed curves 82 529 0



N°	Legend
1	RPM

: In parallelMotors 82 520 0 - 82 520 4



N°	Legend
1	SA: clockwise
2	SI: anti-clockwise