



7.5° 7.5 Watts 2 phases Part number 82920001



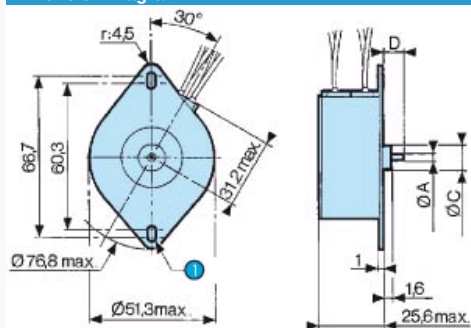
- 48 steps/revolution (7.5°)
- Absorbed power: 7.5 W
- 2 or 4 phase versions available

	Type	Type	Number of phases	Electronic controller used	Resistance per phase (ö)	Inductance per phase (mH)	Current per phase (A)	Voltage at motor terminals (V)
82920001	2 phases	82 920 0 2		Bipolar	10.7	24	0,59	6,3
MADE TO ORDER	2 phases	82 920 0 2		Bipolar	46	80	0,28	12,9
MADE TO ORDER	4 phases	82 920 0 4		Unipolar	10.7	9	0,59	6,3
82920012	4 phases	82 920 0 4		Unipolar	46	48	0,28	12,9

Absorbed power (W)

Holding torque (mNm)	70
Step angle (°)	7,5
Positioning accuracy (%)	5
Rotor inertia (gcm ²)	18,8
Max. detent torque (mNm)	6
Max. coil temperature (°C)	120
Storage temperature (°C)	-40 → +80
Thermal resistance of coil - ambient air (°C/W)	9,3
Insulation resistance (at 500 Vcc) (MΩ) following NFC 51200 standard	> 10 ³
Insulation voltage (50 Hz, 1 minute) (V) following NFC 51200 standard	> 600
Wires length (mm)	250
Weight (g)	210
Protection rating	IP40

Dimension Diagram :

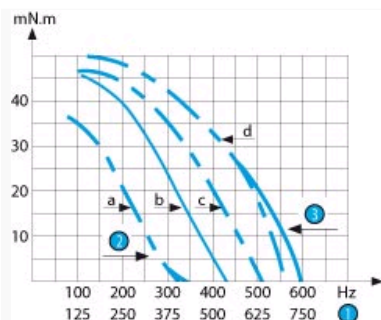


Version axe	ϕA	ϕC	D
Version 1	2 $\begin{smallmatrix} 0 \\ -0,006 \end{smallmatrix}$	9 $\begin{smallmatrix} -0,010 \\ -0,060 \end{smallmatrix}$	9
Version 2	2 $\begin{smallmatrix} 0 \\ -0,006 \end{smallmatrix}$	10 $\begin{smallmatrix} -0,010 \\ -0,060 \end{smallmatrix}$	9
Version 3	3,17 $\begin{smallmatrix} 0 \\ -0,006 \end{smallmatrix}$	9,52 $\begin{smallmatrix} -0,010 \\ -0,060 \end{smallmatrix}$	9

N° Legend

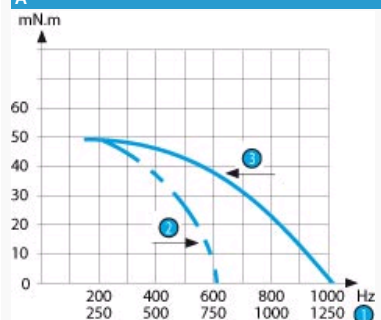
1 2 oblong fixing holes: wide 3.5

Curves : 2 phases



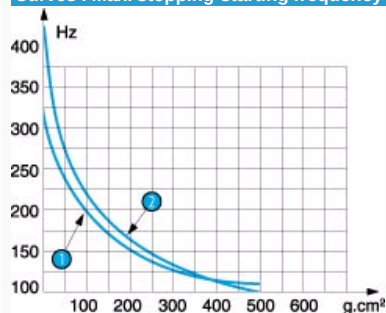
N°	Legend
1	RPM
2	Max. stopping-starting curves
3	Max. operating curves

Curves : 2 phases - Max. stopping-starting and operating curves at I constant (PBL 3717) for 2 (motor) phases 10.7 ö. Holding torque 70 mN.m. Current per phase 0.59 A



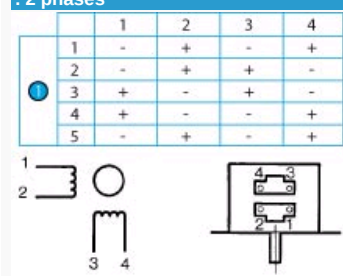
N°	Legend
1	RPM
2	Max. stopping-starting curves
3	Max. operating curves

Curves : Max. stopping-starting frequency curves as a function of the external inertia load at zero antagonistic torque. Tests at constant U.



N°	Legend
1	2 phases
2	4 phases

: 2 phases



N°	Legend
1	Step