

7.5° 10 Watts 4 phases Part number made to order



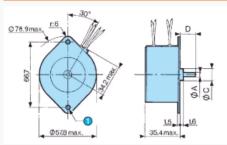
- 48 steps/revolution (7.5°)
 Absorbed power: 10 W
 2 or 4 phase versions available

		ers

	Туре	Туре	Number of phases	Electronic controller used	Resistance per phase (ö)	Inductance per phase (mH)	Current per phase (A)	Voltage at motor terminals (V)
82 930 015	4 phases	82 930 0	4	Unipolar	22.3	47	0,39	12,5

Absorbed power (W)	10
Holding torque (mNm)	155
Step angle (°)	7,5
Positioning accuracy (%)	5
Rotor inertia (gcm ²)	84
Max. detent torque (mNm)	12
Max. coil temperature (°C)	120
Storage temperature (⁰ C)	-40 →+80
Thermal resistance of coil - ambient air (°C/W)	7
Insulation resistance (at 500 Vcc) (M Ω) following NFC 51200 standard	> 10 ³
Insulation voltage (50 Hz, 1 minute) (V) following NFC 51200 standard	> 600
Wires length (mm)	250
Weight (g)	340
Protection rating	IP 40

Dimensions (mm

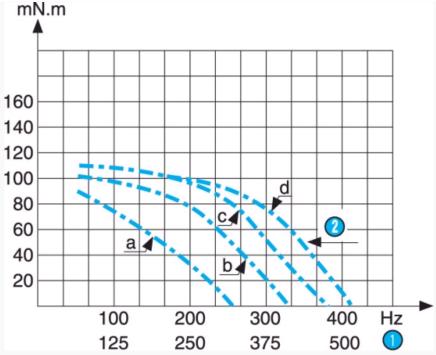


Axe version	ØA	ØC	D
Version 1	4 0 -0,008	12.0	16
Version 2	6,35 0	11,13.0	16
Version 3	6,35 0	12,7 0	16

Nº	Legend
0	2 Fixing holes Ø 4.4

4 phases

28/07/2014 www.crouzet.com

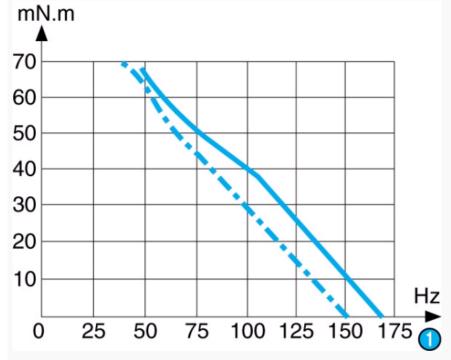


Inertia of measuring chain: 3.4 g.cm2 a = constant voltage controller with Rs (resistance in series) = 0 b = constant voltage controller with Rs (resistance in series) = R motor c = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d = constant voltage controller with Rs (resistance in series) = R motor d =

Nº	Legend
•	RPM
②	Max. stopping-starting curves

Curves

4 phases - 32 $\pmb{\Omega}$ - Constant voltage - Curve produced with card 84 854 405

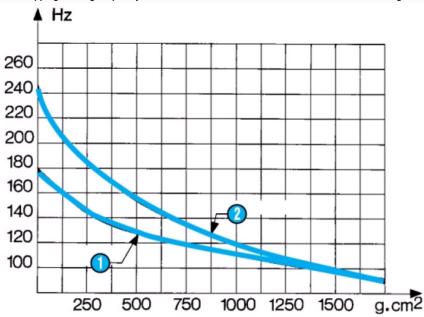


Max. stopping-starting and operating curves at I constant (PBL 3717) for 2 (motor) phases 9 ohms. Holding torque 150 mN.m Current per phase 0.53 A

No.	Legend
•	RPM

Curves

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



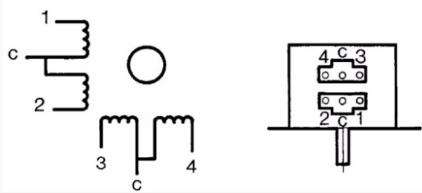
N.B. Measurement conditions : Tam = 25 °C, motor cold

Nº	Legend
0	2 phases
2	4 phases

Connections

4 phases

	1	2	3	4
1	-		-	
2	-			-
3		-		-
4		-	-	
5	-		-	



Energisation sequence for clockwise rotation: 2 phases energised (viewed shaft end, front forward) Commons connected to positive.

N°	Legend
•	Step

28/07/2014 www.crouzet.com

Product adaptations



- Special output shaftsSpecial supply voltagesSpecial cable lengthsSpecial connectors