

7.5° 12.5 Watts 4 phases Part number 82940015



- 48 steps/revolution (7.5°)
- Absorbed power : 12.5 W
- 2 or 4 phase versions available

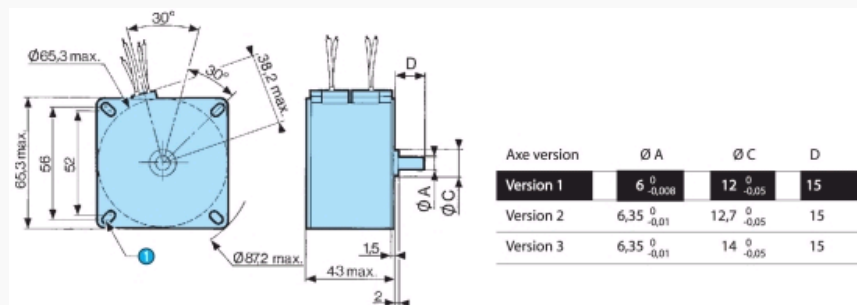
Part numbers

	Type	Type	Number of phases	Electronic controller used	Resistance per phase (Ω)	Inductance per phase (mH)	Current per phase (A)	Voltage at motor terminals (V)
82 940 015	4 phases	82 940 0 4		Unipolar	7.4	11	0,9	6,7

Specifications

Absorbed power (W)	12,5
Holding torque (mNm)	240
Step angle (°)	7,5
Positioning accuracy (%)	5
Rotor inertia (gcm ²)	180
Max. detent torque (mNm)	16
Max. coil temperature (°C)	120
Storage temperature (°C)	-40 → +80
Thermal resistance of coil - ambient air (°C/W)	5,6
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)	540
Protection rating	IP 40

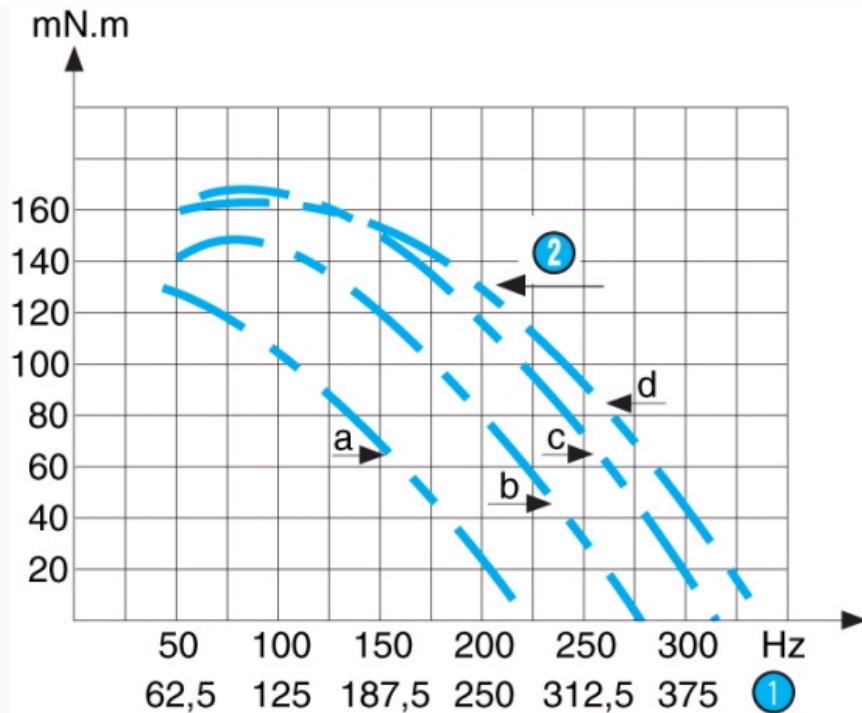
Dimensions (mm)



N°	Legend
①	4 oblong fixing holes 4.2 wide

Curves

4 phases

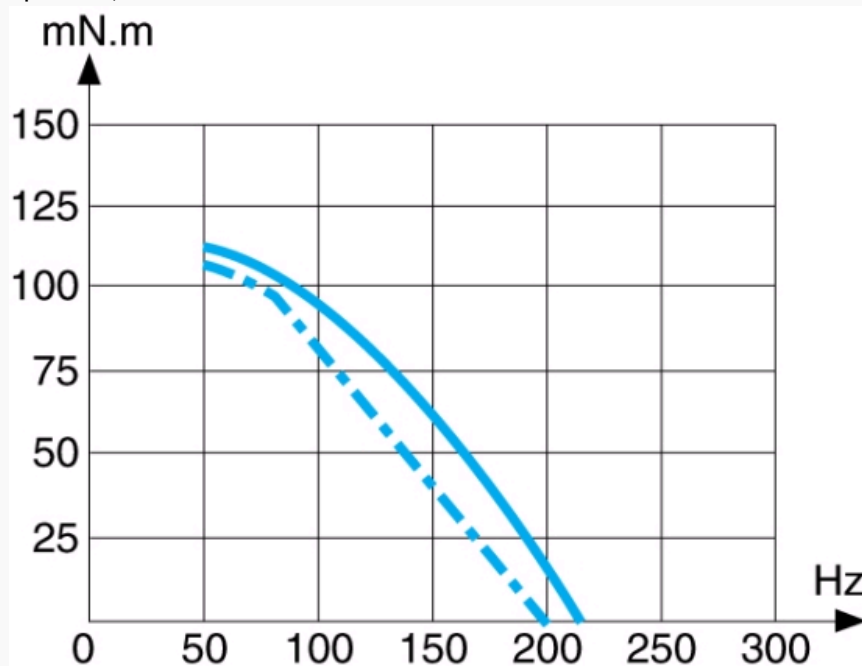


Inertia of measuring chain : 20.5 g.cm² a = constant voltage controller with Rs (resistance in series) = 0 b = constant voltage controller with Rs (resistance in series) = R motor c = constant voltage controller with Rs (resistance in series) = 2R motor d = constant voltage controller with Rs (resistance in series) = 3R motor The measurements are made with full stepping, 2-phases energised.

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

Curves

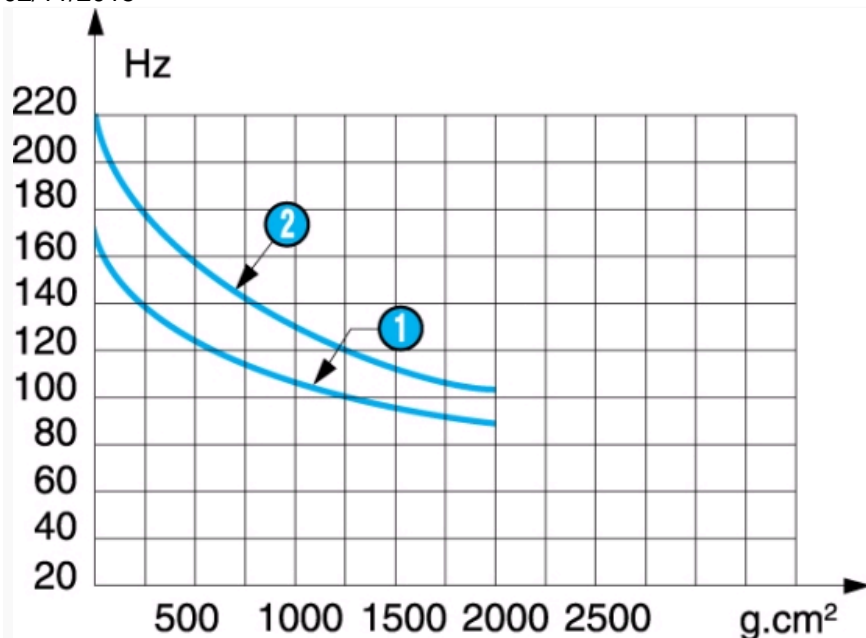
4 phases - 7,4 Ω



Max. stopping-starting and operating curves at I constant (PBL 3717) for 2 (motor) phases 5.2 ohms. Holding torque 240 mN.m Current per phase 0.55 A

Curves

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



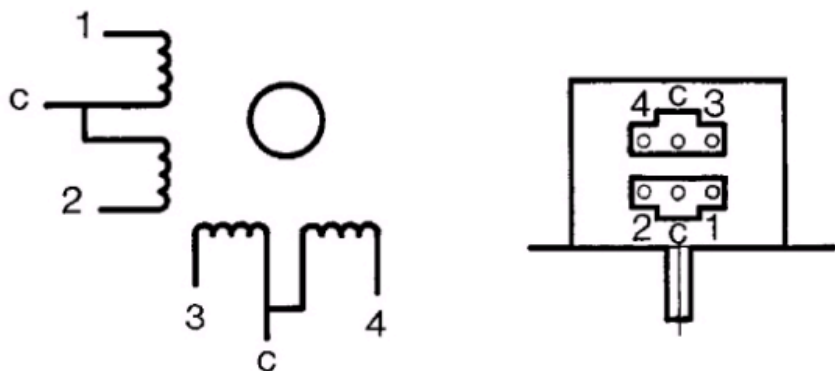
N.B. Measurement conditions : Tam = 25 °C, motor cold

N°	Legend
1	2 phases
2	4 phases

Connections

4 phases

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



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

N°	Legend
1	Step

Product adaptations



- Special output shafts
- Special supply voltages
- Special cable lengths
- Special connectors

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Stepper Motors](#) category:

Click to view products by [Crouzet](#) manufacturer:

Other Similar products are found below :

[HT17-275](#) [5014-020](#) [HT23-597](#) [82924041](#) [82924036](#) [82914016](#) [80910502](#) [80910501](#) [80910003](#) [HT23-598](#) [HT08-221](#) [902-0135-000](#)
[MS11HS3P4067-09RL](#) [MS17HD6P4200-24RL](#) [MS11HS5P4150-13RL](#) [MS08HY1P4050-09RL](#) [MS08HY3P4050-02RL](#) [ML24HCAL3550-01RL](#) [MS17HD6P4100-16RL](#) [ML23HS8P4220-16RL](#) [MS17HD2P4200-20RL](#) [ML23HSAL4500-E](#) [MS14HS5P4100-03RL](#) [MS17HD2P4100-27RL](#) [MS14HS1P4100-09RL](#) [MS11HS1P4100-25RL](#) [ML23HSAP4300-18RL](#) [ML23HS4P4100-02RL](#) [PL23HS8L4550-05RL](#)
[PL23HSAL4500-05RL](#) [MS17HD4P4150-22RL](#) [PM42S-048-HHC8](#) [PM20L-020-HHC3](#) [PM42L-048-HHC9](#) [82930002](#) [HT34-504](#) [82910003](#)
[103H7126-0440](#) [103H8223-5141](#) [103H8223-6340](#) [103H7126-0740](#) [103H7126-5840](#) [103H8221-6240](#) [103H7126-5740](#) [103H7822-5740](#)
[103H8222-6340](#) [STEPPER MOTOR BIPOLAR 42X38MM 2.8V 1.7A](#) [SY20STH30-0604A](#) [STEPPER MOTOR: UNIPOLAR/BIPOLAR 57Å—56MM](#) [ROB-10551](#)