NPD 80
Plug & Drive Motor

DIGITAL CONTROL
Inspection Systems
Smart Motion Devices



Programming Software

Ladtool

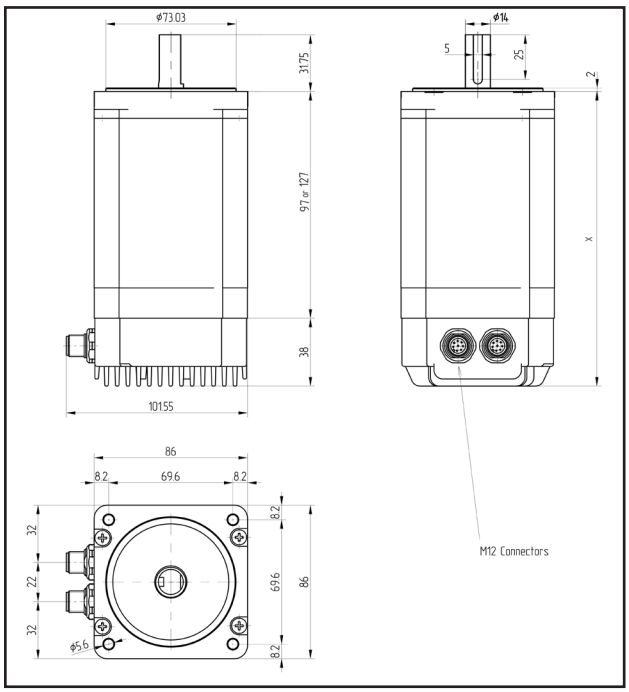
TECHNICAL DATA

Operating Voltage	30 - 80 VDC
Rated Current	0 - 8A
Operating Temperature	0 - 80 °C
Parametrization	Browser based via RS485 with the LADTOOL Interface
Field Bus Interfaces	Modbus RTU, CANopen (future), RS485
Encoder Inputs	1 bidirectional encoder input with zero PNP/PUSH-PULL/LINE DRIVE 5-30 Vdc
Input	4 opto-isolated digital inputs 10-30V 2 isolated analog / digital inputs 0-10 16 bit/30V 1 USB for programming 1 RS485 H-duplex both for programming and for data exchange
Output	2 PNP isolated digital outputs 30V max 100mA
Encoder	Absolute integrated encoder 2000 PPR (for closed loop and/or position recovery)
Protection circuit	Overvoltage (programmable), Overtemperature (programmable), Reverse polarity, Short circuit phase-phase, phase-ground, phase- + UB. Need for a fuse upstream of the power supply to protect against any faults in the protection circuits.
Optional	Isolated output auxiliary voltage 12V 100mA Max

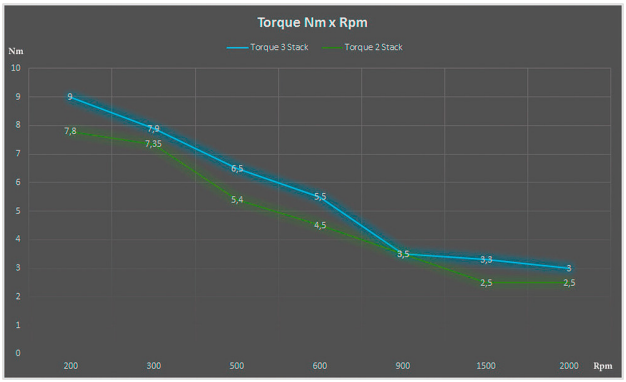
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DIMENSIONS (in mm)



TORQUE CURVES



Value calculated at 70 Volts DC

VERSIONI

NPD 80 **X** **X** **X** **X** **X** **MOTORE PLUG & DRIVE** 80Vdc 8A

2					2 stack motor. Total Height (Motor + Driver) 126mm 7Nm
3					3 stack motor. Total Height (Motor + Driver) 156mm 9Nm
	M				M12 3 + 17 pin IP65 connection
	T				Terminal (connection with 10 + 10 pin terminal, 3.5 pitch)
		M			Modbus RTU
		R			RS485 serial
		C			CANopen (future)
			A		Auxiliary voltage (12Vdc 100mA for sensors)
				F	Motor with key
				W	Motor with esplanade

ACCESSORIES

Optional Cables

CV-M12FAX17010C	M12F 17-pin connector, pvc cable, 1 m
CV-M12FAX03010C	M12F 3-pin connector, pvc cable, 1m

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