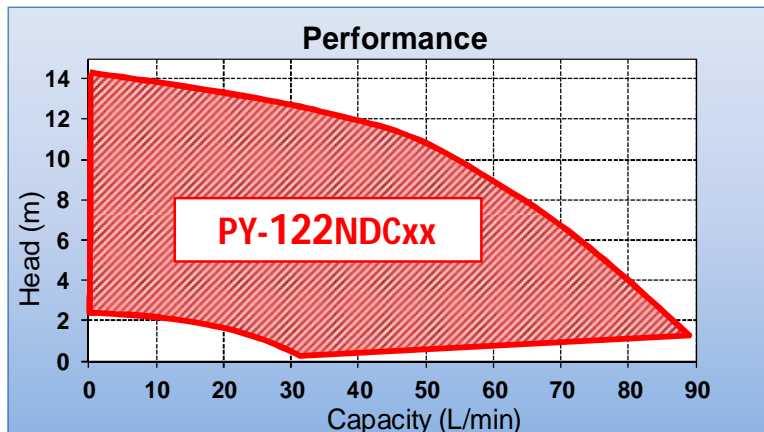


PY-122NDCxx - Powerful & High Efficiency

Characteristics



Benefits

- ✓ High head and capacity with compact body thanks to the molded brushless motor and submersible magnet rotor
- ✓ Panasonic variable speed centrifugal pumps are designed for circulation of liquids (hot / cold water and brine water).
- ✓ Specific applications include residential hot / cold water circulation, and sanitary water supply^{*3}
- ✓ Panasonic designed and manufactured DC brushless motors enable consistent quality, compact size and customization.
- ✓ The variable speed capability and feedback signal of rotation speed enables sophisticated control and improved efficiency over the full range of operation.
- ✓ Ready for the Ecodesign Requirement from 2015 with EEI $\leq 0,23$

Series		PY-122NDCxx
Type		Non self priming DC pump
Mains Power Supply		DC 325V
Control Power Supply		DC 15V
Control method		Analog 0-6V DC
Feedback signal		Rotation speed by open collector output
Capacity	Rated head	8m
	Rated capacity	$\geq 46\text{L/min}$
	Rated power consumption	135W
Acceptable Water temperature		Up to 85°C
Ambient temperature		-20 to 60°C
Relative humidity		Up to 90% Non-condensing environment
Pipe connection		90° inlet/outlet, Clip connection Inner diameter: 32 mm
Dimension		107x117x122 mm ³
Weight		1.3 kg
Noise Level		$\leq 38\text{ dB(A)}$ ^{*1}
IP class		IPX4
EEI value - Part 3 ^{*2}		$\leq 0,23$ (EN16297/3)
Lock protection		Self-resetting
Leakage current		$\leq 1\text{mA}$ (EN 60335-1)
Pressure resistance		500 kPa
Insulation class		E (EN 60335-1)
High voltage protection		1000 VAC (EN60335-1)
Compliance		REACH / RoHS EN 60335-1, 60335-2-51, 16297/3

*1: Measured at rated point and 1m away from the pump

*2: The benchmark for the most efficient circulators is EEI $\leq 0,20$. Part 3

*3: The use for the sanitary water supply is depending on the local regulation. Please contact us for detail