

# 1

# DATA SHEET



www.hydron-pumps.com

## NANO-4

- 4 METRE SELF PRIMING.
- 10 METRE PUMPING HEAD.
- SUITABLE FOR EQUIPMENT UP TO 20KW (5 TON).
- INTELLIGENT OVERLOAD PROTECTION.



## NANO-9

- 4 METRE SELF PRIMING.
- 10 METRE PUMPING HEAD.
- SUITABLE FOR EQUIPMENT UP TO 60KW (17 TON).
- INTELLIGENT OVERLOAD PROTECTION.



## NANO-20

- 4 METRE SELF PRIMING.
- 10 METRE PUMPING HEAD.
- SUITABLE FOR EQUIPMENT UP TO 60KW (17 TON).
- INTELLIGENT OVERLOAD PROTECTION.



The nano range of condensate pumps have been designed for use with all types of air conditioning equipment where the need of a cost effective trouble free mechanical removal of condensate water is required. All models provide the most comprehensive range of condensate removal pumps currently available on the market. These pumps offer self priming heads up to 4 metres (12 feet), pumping heads up to 20 metres (60 feet) and flow rates up to 43 litres/hr (27 US gallons). The high performance of the nano range makes them ideal for use on all types of air conditioning up to a cooling capacity of 60KW, 180,000 BTU's or 17 Tons.

All models come complete with a remote level sensor, built into a specially designed reservoir suitable for use in most types of air conditioning equipment. The sensor has been designed to give long trouble free operation with minimal maintenance. Typical maintenance in a standard office environment is approximately 18 months.

Other standard features include, high level alarm contacts rated at 2A 230V AC to control the AC unit if the pump is unable to remove the condensate and Intelligent Overload Protection that prevents damage to the pump motor if the suction/discharge pipes are restricted or the pump has been mis-applied.

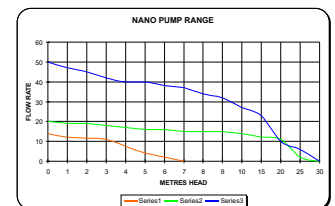
### TECHNICAL SPECIFICATION

	NANO - 4	NANO - 9	NANO - 20
<b>ELECTRICAL</b> <small>110v version available on request</small>			
Voltage	230v 50Hz (110v 60Hz)	230v 50Hz (110v 60 Hz)	230v 50Hz (110v 60Hz)
Power	17W (30 W)	20W (35W)	37W (70W)
<b>PERFORMANCE</b>			
Pumping Head	4 Metres	9 Metres	20 Metres
Self Priming	2 Metres	4 Metres	4 Metres
Cooling Capacity	10KW (2.5 ton)	20KW (5 ton)	60KW (17 ton)
Noise Level	26 dBA	28-32 dBA	30-35 dBA
<b>PHYSICAL</b>			
Height	27mm	37mm	37mm
Length	65mm	72mm	72mm
Width	50mm	62mm	77mm

		PUMPING HEAD				NANO 4
		1m	2m	3m	4m	
PRIMING LIFT	1m	12 l/hr	10 l/hr	9 l/hr	6 l/hr	
	2m	9 l/hr	8 l/hr	8 l/hr	5 l/hr	
	3m	X	X	X	X	
	4m	X	X	X	X	
		HORIZONTAL RUN				
		12m	5m	X	X	

		PUMPING HEAD				NANO 9
		0m	5m	10m	15m	
PRIMING LIFT	1m	17 l/hr	14 l/hr	12 l/hr	11 l/hr	
	2m	16 l/hr	13 l/hr	11 l/hr	9 l/hr	
	3m	14 l/hr	12 l/hr	10 l/hr	8 l/hr	
	4m	10 l/hr	9 l/hr	7 l/hr	6 l/hr	
		HORIZONTAL RUN				
		40m	30m	10m	X	

		PUMPING HEAD				NANO 20
		0m	10m	15m	20m	
PRIMING LIFT	1m	43 l/hr	28 l/hr	20 l/hr	11 l/hr	
	2m	40 l/hr	26 l/hr	18 l/hr	10 l/hr	
	3m	36 l/hr	23 l/hr	16 l/hr	9 l/hr	
	4m	27 l/hr	17 l/hr	12 l/hr	7 l/hr	
		HORIZONTAL RUN (m)				
		50m	40m	30m	10m	



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# REMOTE FLOAT SENSOR PUMPS