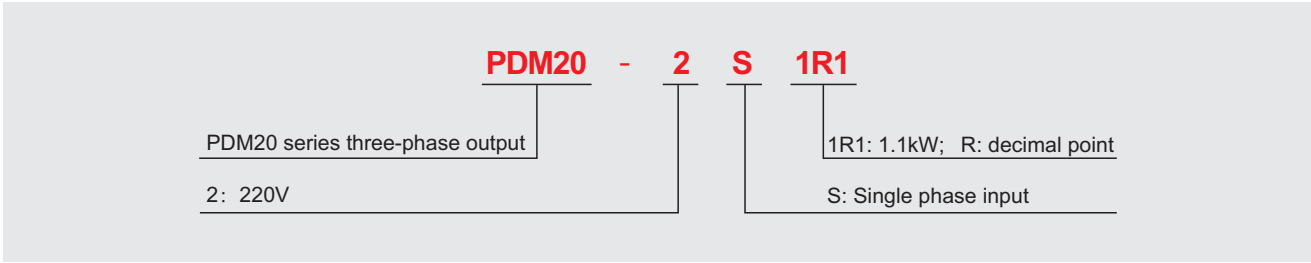


■ Technical Data

Control characteristic	Control mode	V/F control
	Start torque	1Hz 100%
	Speed regulation range	1:20
	Speed-holding precision	±1.0%
	Overload capability	120% rated current for 60s, 150% rated current for 1s
	V/F curve	Linear
	Acceleration/deceleration curve	Linear; time range: 0.1-3600s
Input/output	Start frequency	1~10Hz
	Input voltage	Single-phase 220V±15%
	Input frequency range	50/60Hz, fluctuation range: ±5%
	Output voltage	Three-phase 0-rated input voltage
	Output frequency	0~50/60Hz
Peripheral interface	Programmable digital input	2 digital input
	Programmable analog input	AI1:0-10V/4-20mA, selected by function parameters
	Analog power	+5V-+24V adjustable power, set voltage by function code setting
Basic functions	Command running channel	operation panel and digital terminals
	Frequency source	Digital setting, PID setting
	Integrated PID	Realize closed loop control system
	AVR	When grid voltage changes, it keeps output voltage constant automatically. By default, it doesn't work at deceleration.
	Stall control	Automatically limit current and voltage at running period to prevent tripping caused by frequent overcurrent/over voltage.
Pump control	LED display, setting	Display pressure, voltage, programmable, rapid pressure setting, parameter hidden function
	Automatic energy-saving running	Decrease output voltage automatically at light load to save energy.
	Password setting	4-bit password can be set with non-zero numbers. Exit password setting interface and the password will be valid after 1 minute.
	Parameter lock	Define whether the parameter is locked in running or stopped state in case of misoperation.
	Constant pressure control	PID adjustment, PID feedback of break detection, PID sleeping and wakeup
	Self-starting at power on	Optional self-starting at power on, adjustable starting delay
	Anti-freezing	Anti-freezing running option: frequency, time, cycle
	Water leakage inspection	Optimize sleeping control by water leakage inspection
Water supply protection	High pressure alarm	Detect feedback pressure to protect pipe network
	Low pressure alarm	Detect feedback pressure to protect pipe network and pumps
	Water shortage protection	Multiple detection modes：output pressure, frequency, current; auto reset and restart
Application environment	Altitude	Lower than 1000m, service in derated capacity above 1000m. Derate 1% capacity every 100m increase in height.
	Environmental temperature	-10℃~+40℃，service in derated capacity for 40℃~50℃. Derate 4% capacity every 1℃ increase in temperature.
	Vibration	<9.8m/S2(1.0G)
	Storage temperature	-40℃~+70℃

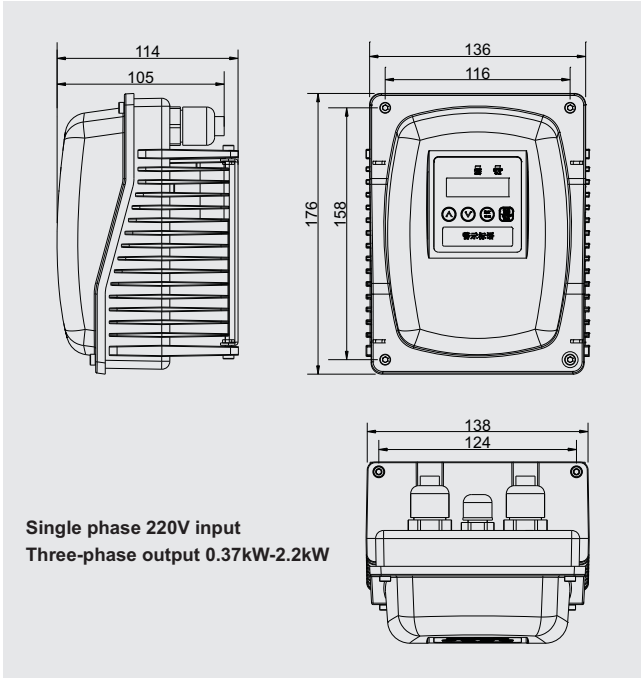
■ Model Number Description



■ Selection Guide

voltage class	kW	HP	rated input current(A)	rated output current(A)	series		2: 220V	S: single phase	adaptive motor power
single phase 220VAC ±15%	0.37	0.55	5	2.5	PDM20	-	2	S	R37
	0.55	0.75	7	3.5	PDM20	-	2	S	R55
	0.75	1	9	4.5	PDM20	-	2	S	R75
	0.9	1.2	10	5	PDM20	-	2	S	R90
	1.1	1.5	11	5.5	PDM20	-	2	S	1R1
	1.5	2	14	7	PDM20	-	2	S	1R5
	2.2	3	20	10	PDM20	-	2	S	2R2

■ Outline Dimensions



■ Wiring Diagram

