

PDR100



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1 Safety guidelines

Read carefully the safety guidelines and programming instructions contained in this manual before connecting/using the device. Disconnect power supply before proceeding to hardware settings or electrical wirings to avoid risk of electric shock, fire, malfunction. Do not install/operate the device in environments with flammable/explosive gases.

This device has been designed and conceived for industrial environments and applications that rely on proper safety conditions in accordance with national and international regulations on labour and personal safety. Any application that might lead to serious physical dama ge/life risk or involve medical life support devices should be avoided. Device is not conceived for applications related to nuclear power plants, weapon systems, flight control, mass transportation systems.

Only qualified personnel should be allowed to use device and/or service it and only in accordance to technical data listed in this manual. Do not dismantle/modify/repair any internal component. Device must be installed and can operate only within the allowed environmental conditions. Overheating may lead to risk of fire and can shorten the lifecycle of electronic components.

1.1 Environmental policy / WEEE

Do not dispose electric tools together with household waste material. According to European Directive 2002/96EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

2 Installation guidelines

- These devices are not ready for use upon delivery and must be installed and wired according to the specifications in this documentation in order for the EMC limit values to apply.
- Installation must be performed according to this documentation using suitable equipment and tools.
- Devices are only permitted to be installed by qualified personnel without voltage applied. Before installation, voltage to the control cabinet must be switched off and prevented from being switched on again.
- General safety guidelines and national accident prevention regulations must be observed.
- Electrical installation must be carried out in accordance with applicable guidelines (e.g. line cross sections, fuses, protective ground connections).

2.1 Organization of safety notices

Safety notices in this manual are organized as follows:

Safety notice	Description
Danger!	Indicates an imminently hazardous situation which, if not avoided, will result in severe injury or death.
Warning!	Indicates a potentially hazardous situation which, if not avoided, could result in injury or death.
Caution! Attention!	Indicates a potentially hazardous situation that, if not avoided, could result in minor injury or property damage.

2.2 Safety information

Danger!

- Do not open the cover of the equipment while it is on or operating. Likewise, do not
 operate the inverter while the cover is open. Exposure of high voltage terminals or
 charging area to the external environment may result in an electric shock. Do not
 remove any covers or touch the internal circuit boards (PCBs) or electrical contacts on
 the product when the power is on or during operation. Doing so may result in serious
 injury, death, or serious property damage.
- Do not open the cover of the equipment even when the power supply to the inverter
 has been turned off unless it is necessary for maintenance or regular inspection.

 Opening the cover may result in an electric shock even when the power supply is off.
- The equipment may hold charge long after the power supply has been turned off. Use a multi-meter to make sure that there is no voltage before working on the inverter, motor or motor cable.

Warning!

- This equipment must be grounded for safe and proper operation.
- Do not supply power to a faulty inverter. If you find that the inverter is faulty, disconnect
 the power supply and have the inverter professionally repaired.
- The inverter becomes hot during operation. Avoid touching the inverter until it has cooled to avoid burns
- Do not allow foreign objects, such as screws, metal chips, debris, water, or oil to get inside the inverter. Allowing foreign objects inside the inverter may cause the inverter to malfunction or result in a fire.
- Do not operate the inverter with wet hands. Doing so may result in electric shock.
- Check the protection degree of circuits and equipments used in the inverter degree of circuit protection and the degree of equipment protection. The following connection terminals and components are electrical protection class 0 devices. The circuit is protected by the essential insulation and electric shock may occur if the insulation is done improperly. The same protection measures for electric cables must be taken when the using or installing the following compornents, or when you connect a cable to the following terminals or components.
 - Multi-function terminals: P1-P3, P4, P5, CM
 - Analog terminal inputs and outputs: VR, V1, I2, AO, CM
 - Other terminal block connectors: 24, A1, B1, C1, A2, C2
 - Cooling fan
- · This inverter is a protection class 1 product.

- Do not modify the interior workings of the inverter. Doing so will void the warranty.
- The inverter is designed for 3-phase motor operation. Do not use the inverter to operate a single phase motor.
- Do not place heavy objects on top of electric cables. Doing so may damage the cable and result in an electric shock.

3 Preparing the installation3.1 Product identification

PDR100-1PH-()	0040	0075	0150	0220		
Motor capacity	0.4kW	0.75kW	1.5kW	2.2kW		
Input voltage	Single phase 200)V ~ 240V				
Keypad	LED Keypad	LED Keypad				
UL Type	UL Open Type	UL Open Type				
EMC Filter	Built-in EMC Filte	Built-in EMC Filter(C2)				
Reactor	Non-Reactor					
I/O	5 DI (NPN / PNP), 3 AI (1 potentiometer, 1 voltage, 1 voltage / current), 1 AO (voltage), 2 relays (1 nc / no, 1 no), RS485 Modbus-RTU					

3.2 Installation considerations

Items	Description
Ambient temperature*	-1050°C (14122°F)
Ambient humidity	95% relative humidity (no condensation)
Storage temperature	-2065°C (-4149°F)
Environmental factors	An environment free from corrosive or flammable gases, oil residue or dust
Altitude / vibration	Lower than 1000m (3,280 ft) above sea level/less than 1G (9.8 m/sec²)
Air pressure	70~106 kPa

 $The ambient temperature is the temperature measured at a point 5\,cm (2") from the surface of the inverter.$

Caution! Do not allow the ambient temperature to exceed the allowable range while operating the inverter.

3.3 Selecting and preparing a site for installation

- The inverter must be installed on a wall that can support the inverter's weight.
- The location must be free from vibration. Vibration can adversely affect the operation
 of the inverter.
- The inverter can become very hot during operation. Install the inverter on a surface
 that is fire-resistant or flame-retardant and with sufficient clearance around the
 inverter to allow air to circulate. The illustrations below detail the required installation
 clearances.
- Ensure sufficient air circulation is provided around the inverter when it is installed. If the
 inverter is to be installed inside a panel, enclosure, or cabinet rack, carefully consider
 the position of the inverter's cooling fan and the ventilation louver. The cooling fan
 must be positioned to efficiently transfer the heat generated by the operation of the
 inverter.
- If you are installing multiple inverters in one location, arrange them side by side and remove their top covers (optional). The top covers MUST be removed for side-by-side installations. Use a flat head screwdriver to remove the top covers.
- If you are installing multiple inverters, of different ratings, provide sufficient clearance to meet the clearance specifications of the larger inverter.

Note: the quantity and dimensions of the mounting brackets vary based on frame size.

Caution!

- Do not transport the inverter by lifting with the inverter's covers or plastic surfaces. The
 inverter may tip over if covers break, causing injuries or damage to the product. Always
 support the inverter using the metal frames when moving it.
- Use an appropriate transport method that is suitable for the weight.
- Do not install the inverter on the floor or mount it sideways against a wall. The
 inverter MUST be installed vertically, on a wall or inside a panel, with its rear flat on the
 mounting surface.

3.4 Cable selection and cable wiring

Load(kW)		Ground		Power	Power I/O			
			AMC	mm ²	AWG			
	mn		mm ² AWG		U/V/W	R/T	U/V/W	
Single	0.4, 0.75	3.5	12	2	2	14	14	
Phase 200V	1.5, 2.2	3.5	12	3.5	3.5	12	12	

Note: Class 3 grounding is required. Resistance to ground must be $< 100\Omega$.

Warning: Install ground connections for the inverter and the motor by following the correct specifications to ensure safe and accurate operation. Using the inverter and the motor without the specified grounding connections may result in electric shock.

Caution!

- Tighten terminal screws to their specified torque. Loose terminal screws may allow the cables to disconnect and cause short circuit or inverter failure. Over tightening terminal screws may damage the terminals and cause short circuits and malfunctions.
- Use copper cables rated for 600V, 75°C for power terminal wiring.
- Use copper cables rated for 300V, 75°C for control terminal wiring.
- When making wiring connections at the power terminals, do not make a bi-wired connection to a single terminal.
- Power supply cables must be connected to the R and T terminals. Connecting power cables to the U, V, and W terminals will cause internal damage to the inverter. Connect motors to the U, V, and W terminals. Phase sequence arrangement is not necessary.

Attention!

- Appliquer des couples de marche aux vis des bornes. Des vis desserrées peuvent provoquer des courts-circuits et des dysfonctionnements. Ne pas trop serrer la vis, car cela risqué d'endommager les bornes et de provoquer des courts-circuits et des dysfonctionnements. Utiliser uniquement des fils de cuivre avec une valeur nominale de 600 V, 75°C pour le câblage de la borne d'alimentation, et une valeur nominale de 300 V, 75°C pour le câblage de la borne de commande.
- Ne jamais connecter deux câbles à une borne lors du câblage de l'alimentation.
- Les câblages de l'alimentation électrique doivent être connectés aux bornes R, T. Leur connexion aux bornes U, V et W provoque des dommages internes à l'onduleur. Le moteur doit être raccordé aux bornes U, V et W. L'arrangement de l'ordre de phase n'est pas nécessaire.

3.4.a Signal (control) cable specifications

	Signal Cable						
Terminal	Without (rimp Terminal	With Crim	With Crimp Terminal			
Terminal	Connecto	rs (Bare wire)	Connector	Connectors (Bootlace Ferrule)			
	mm ²	AWG	mm ²	AWG			
P1~P5/CM/VR/V1/I2/AO	0.75	18	0.5	20			
A1/B1/C1/A2/C2	1.0	17	1.5	15			

Caution!

- Wherever possible use cables with the largest cross-sectional area for mains power wiring, to ensure that voltage drop does not exceed 2%.
- Use copper cables rated for 600V, 75°C for power terminal wiring.
- Use copper cables rated for 300V, 75°C for control terminal wiring.

3.4.b Cable wiring

Install the ground connection as specified. Complete the cable connections by connecting an appropriately rated cable to the terminals on the power and control terminal blocks.

- Install the inverter before carrying out wiring connections.
- Ensure that no small metal debris, such as wire cut-offs, remain inside the inverter.
 Metal debris in the inverter may cause inverter failure.
- Tighten terminal screws to their specified torque. Loose terminal block screws may allow the cables to disconnect and cause short circuit or inverter failure.
- Do not place heavy objects on top of electric cables. Heavy objects may damage the cable and result in electric shock.
- The inverter's power is supplied by the supply grounding system. The TT, TN, IT, and corner-grounded systems are not suitable for this inverter.
- The inverter may generate direct current to the inverter's protective ground cable.
 Only type B Residual Current Devices (RCD) or Residual Current Monitors (RCM) can be installed.
- Use cables with the largest cross-sectional area, appropriate for power terminal wiring, to ensure that voltage drop does not exceed 2%.
- Use copper cables rated at 600V, 75°C for power terminal wiring.
- Use copper cables rated at 300V, 75°C for control terminal wiring.
 Connect the control terminals separately from the power terminal wiring or high
- potential circuit (200 V relay sequence circuit).

 Ensure that there are no control terminal shorts or improper wiring. Control terminal
- Ensure that there are no control terminal shorts or improper wiring. Control terminal shorts or improper wiring may damage the inverter or cause malfunction.
- Use a shielded cable while making wiring connections at the control terminal.
 Unshielded cables may cause the inverter to malfunction due to interference. Use an STP cable if ground connections must be installed.
- If you need to re-wire the terminals due to wiring-related faults, ensure that the inverter keypad display is turned off and the charge lamp under the front cover is off before working on wiring connections. The inverter may hold a high voltage electric charge long after the power supply has been turned off.

3.5 Terminal screw specification

3.5.a	5.a Input / Output terminal screw specification									
Product(kW)			Terminal screw Size							C (N 6* (N 1)
Producti	(KVV)	E	R	T	B1	B2	U	V	W	Screw Torque (Kgf*cm/Nm)
Single	0.4/0.75	М3								M3 ~M3.5
phase 200V 1.5/2.2		M4				МЗ	.5			(2.1~5.0/0.2~0.5) M4 (2.1~8.0/0.2~0.8)

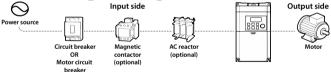
3.5.b Control circuit terminal screw specification					
Terminal	Termina	al Screw Size Screw Torque(Kgf*cm/Nm)			
P1~P5/CM/VR/V1/I		4.0/0.4			
A1/B1/C1/A2/C2	M2.6	4.0/0.4			

Caution. Apply rated torques to the terminal screws. Loose screws may cause short circuits and malfunctions. Tightening the screw too much may damage the terminals and cause short circuits and malfunctions.

Attention: Appliquer des couples de marche aux vis des bornes. Des vis desserrées peuvent provoquer des courts-circuits et des dysfonctionnements.

4 Installing the inverter

4.1 Basic configuration diagram



- Figures in this manual are shown with covers or circuit breakers removed to show a
 more detailed view of the installation arrangements. Install covers and circuit breakers
 before operating the inverter. Operate the product according to the instructions in this
 manual.
- Do not start or stop the inverter using a magnetic contactor, installed on the input power supply.
- If the inverter is damaged and loses control, the machine may cause a dangerous situation. Install an additional safety device such as an emergency brake to prevent these situations.
- High levels of current draw during power-on can affect the system. Ensure that correctly rated circuit breakers are installed to operate safely during power-on situations.
- Reactors can be installed to improve the power factor. Note: that reactors may be installed within 30 ft (9.14 m) from the power source if the input power is 10 times over the inverter's power.

4.2 Peripheral devices

4.2.a Compatible circuit breaker, leakage breaker, magnetic contactor and motor circuit breaker

Inverter	Circuit Breaker	Leakage Breaker	Magnetic Contactor
capacity	Rating [A]	Rating [A]	Rating [A]
0.4kW	15	5	9
0.8kW	-	10	-
1.5kW	-	15	18
2.2kW	20	20	22

4.2.b Fuse and reactor specifications

Investor canacity	AC Input Fuse		AC Reactor		
Inverter capacity	Current [A]	Voltage[V]	Inductance[mH]	Current [A]	
0.4/0.8kW	10		1.2	10	
1.5kW	15	600	0.88	14	
2.2kW	20		0.56	20	

Caution. Use Class H or RK5 UL listed input fuse and UL listed breaker only. See the table above for the voltage and current rating of the fuse and the breaker.

Attention!

Utiliser UNIQUEMENT des fusibles d'entrée homologués de Classe H ou RK5 UL et des disjoncteurs UL. Se reporter au tableau ci-dessus pour la tension et le courant nominal des fusibless et des disjoncteurs.

4.2.c Braking resistor specification

Product (kW)	Resistance (Ω)	Rated capacity (W)
1.5	60	300
2.2	50	400

The standard for braking torque is 150% and the working rate (%ED) is 5%. If the working rate is 10%, the rated capacity for braking resistance must be calculated at twice the standard.

4.3 Power terminal labels and descriptions

Terminal Labels	Name	Description				
R/T	AC power input terminal	Mains supply AC power connections.				
B1/B2(1.5kW~2.2kW)	Brake resistor terminals	Brake resistor wiring connection.				
U/V/W	Motor output terminals	3-phase induction motor wirir connections.				

Note:

- Use STP (Shielded Twisted Pair) cables to connect a remotely located motor with the inverter. Do not use 3 core cables.
- Ensure that the total cable length does not exceed 165ft (50m).
- Long cable runs can cause reduced motor torque in low frequency applications due to voltage drop. Long cable runs also increase a circuit's susceptibility to stray capacitance and may trigger over-current protection devices or result in malfunction of equipment connected to the inverter.
- · Voltage drop is calculated by using the following formula:
- Voltage Drop (V) = $[\sqrt{3} \text{ X cable resistance (m}\Omega/\text{m}) \text{ X cable length (m) X current(A)]} / 1000$
- Use cables with the largest possible cross-sectional area to ensure that voltage drop is minimized over long cable runs. Lowering the carrier frequency and installing a micro surge filter may also help to reduce voltage drop.

Distance	< 50 m (165 ft)	< 100 m (330 ft)	> 100 m (330 ft)
Allowed Carrier Frequency	< 15 kHz	< 5 kHz	< 2.5 kHz

Warning! Do not connect power to the inverter until installation has been fully completed and the inverter is ready to be operated. Doing so may result in electric shock.

- Power supply cables must be connected to the R and T terminals. Connecting power cables to other terminals will damage the inverter.
- Use insulated ring lugs when connecting cables to R/T and U/V/W terminals.
- The inverter's power terminal connections can cause harmonics that may interfere
 with other communication devices located near to the inverter. To reduce interference
 the installation of noise filters or line filters may be required.
- To avoid circuit interruption or damaging connected equipment, do not install phase-advanced condensers, surge protection, or electronic noise filters on the output side of the inverter.
- To avoid circuit interruption or damaging connected equipment, do not install magnetic contactors on the output side of the inverter.

4.4 Control terminal labels and descriptions

4.4.a	Control boa	rd switches
Switch		Description
SW1		NPN/PNP mode selection switch
SW2		Analog voltage/current input terminal (I2) selection switch
SW3		Terminating resistor selection switch

4.4.b Connectors

Connector	Description
RJ45 Port	Connection of the remote keypad, Smart Copier, or RS 485

4.4.c Input terminal labels and descriptions

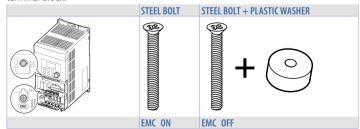
Function	Label	Name	Description
Multi-fun- ction terminal configu- ration	P1–P5	Multi-fun- ction Input 1–5	Configurable for multi-function input terminals. Factory default terminals and setup are as follows: - P1: Fx - P2: Rx - P3: Emergency stop trip - P4: Fault reset (RESET) - P5: Jog operation command (JOG)
	CM	Common Sequence	Common terminal for analog terminal inputs and outputs.
	VR	Potentiome- ter frequency reference input	Used to setup or modify a frequency reference via analog voltage or current input Maximum Voltage Output: 12V - Maximum Current Output: 100mA, - Potentiometer: $1-5k\Omega$
Analog input con-	V1	Voltage input for frequency reference input	Used to setup or modify a frequency reference via analog voltage input terminal. - Unipolar: 0–10V (12V Max.)
figuration	Voltage/ current input for frequency reference		Used to setup or modify a frequency reference via analog voltage or current input terminals. Switch between voltage (V2) and current (I2) modes using a control board switch (SW2). V Mode: - Unipolar: 0–10 V (12 V Max.) I Mode: - Input current: 4–20 mA

4.4.d Output / Communication terminal labels and descriptions

Function	Label	Name	Description				
Analog output	AO	Voltage Output	Used to send inverter output information to external devices: output frequency, output current, output voltage, or a DC voltage. Output voltage: 0–10 V Max. output voltage/current: 10 V, 10 mA Factory default output: output frequency				
Digital output	24	External 24 V power source	Maximum output current: 50 mA				
	A1/C1/B1 Fault signal output		Sends out alarm signals when the inverter's safety features are activated (AC 250V <1A, DC 30V <1A). - Fault condition: A1 and C1 contacts are connected (B1 and C1 open connection) - Normal operation: B1 and C1 contacts are connected (A1 and C1 open connection)				
	A2/C2	Fault signal output	Sends out alarm signals when the inverter's safety features are activated (AC 250V <1A, DC 30V < 1A). - Fault condition: A2 and C2 contacts are connected - Normal operation: A2 and C2 contacts are open connection				
Commu-	RIAS	Remote keypad signal line	Used to send or receive the remote keypad (optional) signals.				
nication		RS-485 signal line	Used to send or receive RS485 signals on Modbus-RTU protocol.				

4.5 Disabling the EMC Filter for power sources with asymmetrical grounding

Before using the inverter, confirm the power supply's grounding system. Disable the EMC filter if the power source has an asymmetrical grounding connection. Check the location of the EMC filter on/off screw and attach the plastic washer to the screw under the control terminal block.



Learning to perform basic operations Operation keys The following table lists the names and functions of the keypad's operation keys.

The following table lists the names and functions of the keypad's operation keys.							
Key	Description						
RUN	Starts the inverter.						
STOP RESET	STOP: stops the inverter. RESET: resets the inverter following fault or failure conditions.						
	Switch between codes, or to increase or decrease parameter values.						
MODE SHIFT	Switch between groups, or to move the cursor during parameter setup or modification.						
ENT	Used to enter the parameter setting mode, apply the set parameter, and enter the operation information screen from the fault notice screen when a fault occurs.						
MIN MAX	Used to set the operation frequency.						

5.2 Control menu

The PDR100 inverter control menu uses the following groups.

Group	Display	Description					
Operation	-	Configures basic parameters for inverter operation.					
Drive	dr	Configures parameters for basic operations. These include jog operation, torque boost, and other parameters.					
Basic	ba	Configures basic parameters, including motor-related parameters and multi-step frequencies.					
Advanced	ad	Configure acceleration or deceleration patterns and to setup frequency limits.					
Control	cn	Configures functions such as carrier frequency or speed search.					
Input Terminal	in	Configures input terminal–related features, including digital multi–functional inputs and analog inputs.					
Output Terminal	ou	Configures output terminal–related features such as relays and analog outputs.					
Communication	cm	Configures communication features for RS-485 or other communication options.					
Application	ар	Configures PID control–related sequences and operations.					
Protection	pr	Configures motor or inverter protection features.					
Secondary motor (2nd motor)	m2	Configures secondary motor related features. Note: the secondary motor (M2) group appears on the keypad only when one of the multi-function input terminals (In65-69) has been set to 12 (Secondary motor).					
Configuration	cf	Configures various features such as parameter setting.					

5.3 Table of functions in operation groupGroups, except the Operation group, are not displayed on the group list and not accessible as factory default to prevent parameter input error. To display and access all groups, go to the OGr code in the Operation group and set the parameter to 1.

Display	Comm. Address	Name	Setti	ng range		Initial Value	Property*
0.00	0h1F00	Command frequency	0.00 - Max. frequency [Hz]			0.00	О
ACC	0h1F01	Acceleration time	0.0	6000.0 [s] ¹	5.0	0	
dEC	0h1F02	Deceleration time	0.0 -	0000.0 [3]	10.0	0	
			0	Keypad		1	X
4	01.1500	Command	1	Fx/Rx-1			
drv	0h1F03	source	2	Fx/Rx-2			
			3	RS-485 co	mmunication		
			0	Keypad 1		0	Χ
			1	Keypad 2			
			2	V0: 0-5 [V]		
			3	V1: 0-10 [V]		
Frq		Frequency Setting method	4	I2(1): 0-20 [mA]			
	0h1F04		5	5 I2(V): 0-10 [V]			
,			6	6 V0 + I2 (1)			
			7	V0 + I2 (V)			
			8	V0 + V1			
			9	9 RS-485 communication			
			10	Up-down operation			
			0.1 -	0.1kW	0.2 – 0.2kW	-	Χ
MkW	0h1F05	Motor selection	0.4-	0.4kW	0.75 – 0.75kW		
			1.5 -	1.5 – 1.5kW 2.2 – 2.2kW			
MrC ²	0h1F06	Rated motor current	0.1 ~	150.0[A]		-	Х
MbF	0h1F07	Base frequency	30.0	0 ~ 400.00[Hz]	60.00	Χ
FrM	0h1F08	Maximum frequency	40.00 ~ 400.00[Hz]		60.00	Х	
lOv	0h1F09	Output voltage setting	0, 17	0, 170~264[V]		0	Х
Ftb	0h1F0A	Forward boost		20.0[%]		4.0	Х
rtb	0h1F0B	Reverse boost	0.0~	20.0[%]		4.0	X
CUr	0h1F0C	Output current	-			-	-

Display	Comm. Address	Name	Settir	ng range	Initial Value	Property*
rPM	0h1F0D	Motor RPM	-		-	-
dCL	0h1F0E	Inverter DC voltage	-		-	-
			vOL	Output voltage	vOL	-
vOL, POr,			POr	Output power		
tOr, v1M,	0h1F0F	User select signal	tOr	Output torque		
I2M³		signai	v1M	Analog V1 terminal input		
			I2M	Analog I2 terminal input		
nOn	0h1F10	Currently out of order	-		-	-
OGr	0h1F11	Open hidden		Hide groups except for operation group		
		groups	1	Enable all groups		

The setting range varies depending on the set value of the bA 8 code.

Technical SpecificationInput and output specification

PDR100-1PH-xxxx-2-			0040	0075	0150	0220		
Applied motor	Heavy load	HP	0.5	1.0	2.0	3.0		
	neavy load	kW	0.4	0.75	1.5	2.2		
	Rated capacity (kVA)		0.95	1.9	3.0	4.5		
Rated output	Rated current (A)		2.4	4.2	7.5	10.0		
	Output frequency		0~400Hz					
	Output voltage (V)		3-phase 200~240V					
	Working voltage (V)		Single phase 200~240Vac (-15%~+10%)					
Rated input	Input frequency		50~60Hz(±5%)					
	Rated curren	t (A)	3.7	7.1	13.6	18.7		
Weight (kg/lb)	Weight (kg/lb)				1.45 / 3.2			

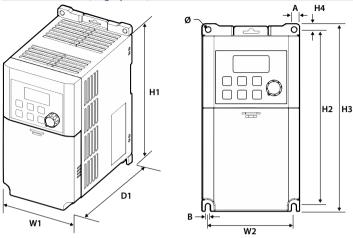
² The initial value varies depending on the motor capacity setting (MkW) and the value is set based on the 220/440 HIGEN motor when shipping.

³ Display information can be selected at dr81 (Monitor item setting).

^{*} Settings can be changed during the inverter operation.

6.2 External dimensions

6.2.a 0.4~2.2kW (single phase)



ltems*	W1	W2	H1	H2	H3	H4	D1	Α	В	Φ
PDR100-1PH-040	85	75		153.5		5	123	5	4.5	4.5
PDR100-1PH-075	(3.34)	(2.95)	(6.02)	(6.04)	(6.42)	(0.19)	(4.84)	(0.19)	(0.18)	(0.18)
PDR100-1PH-0150	100	90	180	180.5	190	5	140	5	4.5	4.5
PDR100-1PH-0220	(3.94)	(3.54)	(7.08)	(7.10)	(7.48)	(0.19)	(5.51)	(0.19)	(0.18)	(0.18)

^{*} Unit: mm (inches)

Note / Updates

Read carefully the safety guidelines and programming instructions contained in this manual before using/connecting the device.







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