



D.P.S

DIGITAL PHASE SHIFTER

0.25 / 0.5 / 1 / 2 / 3 / 5 / 7.5 / 10HP SERIES

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Est. 1973

MYUNG YOUN ELECTRONICS CO., LTD.

DRIVE 3 PHASE MOTOR WITH 1 PHASE 220V

1 phase motors with larger size and lower efficiency than 3 phase motors usually have centrifugal switches and semi-enclosed type, which cause a lot of troubles. A device that can solve this problem is a D.P.S (Digital Phase Converter) which enables 3 phase motors to be driven with 1 phase power (220V).



FEATURES

- Drive 3 phase motor with 1 phase
- The failure rate was even lower frequency operation
- Excellent start-up torque
- The size is small & easy to install
- Semi-permanent life time
- Energy saving effect
- Stable in humid, dust, vibration and impact.
- 3 phase motors can be used at your home.

※ FEATURES OF 3 PHASE MOTOR

Compared with 1 Phase Motor

- Low failure rate
- Small size
- High efficiency
- Affordable price

1Phase 220V



3Phase 220V



NOTICES

- This product shall be used only for 3 phase 220V motor.
- Use only a motor which suits the capacity range of this product. (1:1)
- If the motor overheats, check whether the current is correct as shown on the motor nameplate. (Within 85% of rated)
- **Only DPS check the voltage is the output voltage 2 phase and the output voltage 3 phase when the only motors movable**
- If you use a motor for a large load condition, use the D.P.S product with one rating higher. Do not use it with higher than one rating. (This may cause motor failure.)
- **Motor brake must be of single phase only (A brake for 3 phase does not work).**
- For control cables, use U.W cable only (Electromagnetic switches, brake, magnet, etc.)

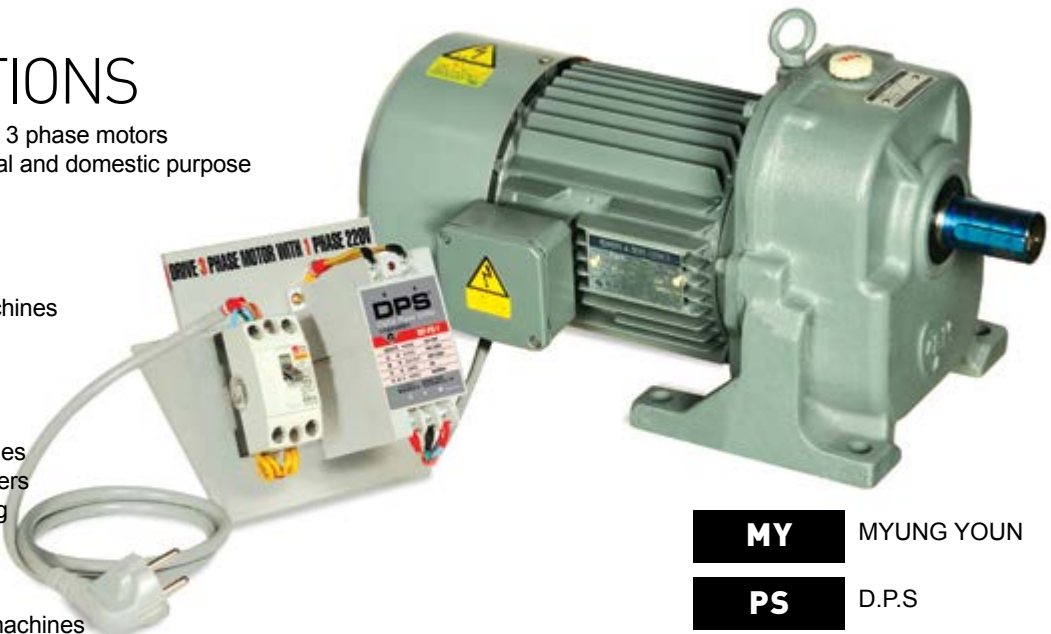
SPECIFICATIONS

APPLICATION RANGE	3 phase 220V motor type
RATED VOLTAGE	3 phase 220V ± 10%
HOW TO CONVERT	Relay control circuit for three-phase driving
AMBIENT TEMPERATURE	-10 ~ 50 °C
AMBIENT HUMIDITY	Within 95%
ENCLOSURE	Open type (IP54)
INSULATION RESISTANCE	100MQ or higher based on 500VDC MEGA
WITHSTANDING VOLTAGE	For 1 minute at 1500VAC 50/ 60Hz between power supply terminal and external terminal
POWER CONSUMPTION	Within 85% of motor rated current

APPLICATIONS

- All products driven by 3 phase motors
- All motors for industrial and domestic purpose
- Hoists
- Compressors
- Conveyor motors
- Agitators
- Food processing machines
- Hydraulic motors
- Document shredders
- Meat slicers
- Agricultural machines
- Woodworking machines
- Portable air conditioners
- Machines for pumping
- Blowers
- Ceramics machines
- Fan motors
- Portable packaging machines
- Cutters, etc.

※ These products can be connected for use quickly and easily everywhere.



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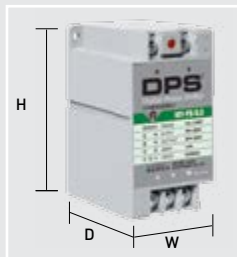
D.P.S

1

HP

DIGITAL PHASE SHIFTER

D.P.S 0.25~10HP SERIES



MY-PS-0.25

CAPACITY	HP	0.25
CURRENT	A	0.75
FREQUENCY	Hz	50/60
DIMENSIONS	mm	50×97×82 (W×H×D)
MOUNTING HOLES	Ø	4

MY-PS-0.5

CAPACITY	HP	0.5
CURRENT	A	1.5
FREQUENCY	Hz	50/60
DIMENSIONS	mm	50×97×82 (W×H×D)
MOUNTING HOLES	Ø	4

MY-PS-1

CAPACITY	HP	1
CURRENT	A	3
FREQUENCY	Hz	50/60
DIMENSIONS	mm	50×97×82 (W×H×D)
MOUNTING HOLES	Ø	4

MY-PS-2

CAPACITY	HP	2
CURRENT	A	6
FREQUENCY	Hz	50/60
DIMENSIONS	mm	50×97×82 (W×H×D)
MOUNTING HOLES	Ø	4

MY-PS-3

CAPACITY	HP	3
CURRENT	A	9
FREQUENCY	Hz	50/60
DIMENSIONS	mm	80×154×115 (W×H×D)
MOUNTING HOLES	Ø	5

MY-PS-5

CAPACITY	HP	5
CURRENT	A	15
FREQUENCY	Hz	50/60
DIMENSIONS	mm	80×154×115 (W×H×D)
MOUNTING HOLES	Ø	5

MY-PS-7.5

CAPACITY	HP	7.5
CURRENT	A	23
FREQUENCY	Hz	50/60
DIMENSIONS	mm	99×183×120 (W×H×D)
MOUNTING HOLES	Ø	5

MY-PS-10

CAPACITY	HP	10
CURRENT	A	30
FREQUENCY	Hz	50/60
DIMENSIONS	mm	99×183×120 (W×H×D)
MOUNTING HOLES	Ø	5

INSTANCES OF DPS



Conventional 1 phase motors which have been used at home and abroad have problems that centrifugal force switch contacts wear at start-up, fires occurs due to sparks, and production cost increases compared to 3 phase motors.

Digital phase converter is a device to supplement such problems in a perfect way, and has a compact size for easy installation, and a wide application in the machines requiring strong start-up torque. In addition, 3 phase motors can be driven at your home.





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MYUNG YOUN

TORQUE MOTOR
INVERTER MOTOR

