



JUNGWOO INVERTER MOTOR

JUNGWOO inverter motors are applicable to all types of industrial machinery

Pumps, Fans, Compressors, Reducers, Coolers, Conveyor systems, Treadmills(running machines), Automatic doors, General industrial equipment

Product Characteristics

Easy to install

- An integrated motor-inverter design eliminates the need for separate inverter installation, maximizing user convenience

Sensorless vector control

- Generates a 6-70Hz static torque and can accommodate up to 150Hz (max)
- Sensorless vector control makes JW inverter motors a perfect fit for low-speed / heavy-duty applications (conveyor loads, etc.)

Easy manipulation

- JW motors are easy to operate. Also, remote manipulation available via a separate module (optional)

IP rating

- IP55

Communication features

- Embedded with basic communication functions, JW inverter motors control a single or multiple units of equipment when connected to PC or other devices without additional components (interface card, etc.). (Separate protocol adjustments, RS-485)

High efficiency & high performance

- Our optimized product design materializes premium efficiency and outstanding cooling performance

Higher stability

- The embedded basic filtering reduces harmonic interference. The built-in protection features (undervoltage, overvoltage, overcurrent, communication error detection) ensure stable motor usability

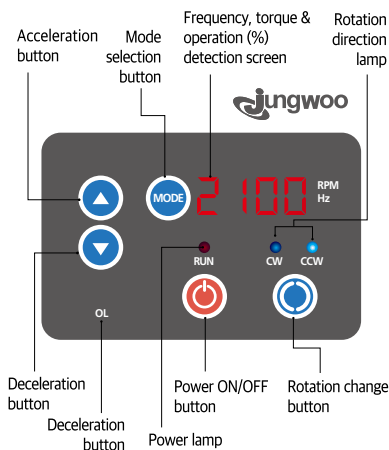
JUNGWOO INVERTER MOTOR



Product Features

- **Product Features** : Sensorless vector control
- **Operation type** : Operating mode → Consistent speed control (RPM/frequency), RS-485 communication standard, selectable regular/reverse operation
- **Cooling type** : Forced-air cooling, motor fan cooling
- **Braking type** : Built-in port that accommodates regenerative braking mechanism (separate external RBM module attachable)
- **Protection feature** : Can detect error in overcurrent (ErOC), overheating (ErOH), overvoltage (ErOV), low voltage (ErLV), and communication (ErIF)
- **Service environment** :
 - Ambient temperature: -10°C ~ 40°C
 - Holding temperature: -20°C ~ 60°C
 - Ambient/relative humidity: At or below 90% of RH
 - IP rating: IP55
- **Auxiliary feature** (optional) : External voltage control (0-10V), emergency stop input, pressure control (with sensing), contact status output (operation, stop, error)

Product specification



Input voltage	Model no.	Motor capacity		Frame reference		Motor exterior type	Input frequency	Output voltage	Output frequency	Power cable connection (basic spec. for product release)				
		HP	kW	2P	4P									
Single-phase AC 220V (±10%)	JIM-1040S	½	0.4	71M	71M	B3,B5,B35 B34,B14	60 Hz (±5%)	Three-phase 220V max.	6~150 Hz max.	• Single-phase: (Power Code) • Three-phase: (Terminal Block)				
	JIM-1055S	¾	0.55	71M	71M									
	JIM-1075S	1	0.75	80M	80M									
	JIM-1150S	2	1.5	90L	90L									
	JIM-1220S	3	2.2	90L	100L									
Three-phase AC 380 ~440V (±10%)	JIM-3075S	1	0.75	80M	80M							Three-phase 380~440V max.		
	JIM-3150S	2	1.5	90L	90L									
	JIM-3220S	3	2.2	90L	100L									
	JIM-3300S	4	3.0	100L										
	JIM-3370S	5	3.7	112M										

* The info. listed above refers to the standard specifications. For non-standard spec., feel free to contact us.

JWM authorized agent



90 Hwanggeum1-ro, Yangchon-eup, Gimpo City,
Gyeonggi Province, Republic of Korea
Tel: +82-10-5421-4172 Fax: +82-31-996-4175
e-mail: export3@jem21.net Website: www.jem21.net