Pempek's AC Variable Frequency Drive for high-performance control of 660V induction motor in demanding industrial applications.

Each single drive module contains a rectifier, DC link and an inverter in one single AC drive control unit.

- Four quadrant operation with full regeneration
- Integrated pre-charging unit
- Integrated safety relay
- Isolated CAN interface with CANOpen protocol
- Two CAN connectors to enable daisy-chaining of bus.
- Method for externally setting the CAN Sub ID for the module
- Motor temperature monitoring
- Sophisticated direct torque control
- Sensorless vector speed control
- Maximum torque at zero speed
- Two-times of overload capability
- Water cooling
- 24V control power



nade for minina

Typical Application

- Continuous Bolter/Miners
- Longwall Shear
- Shuttle Car
- Continuous Haulage
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Any industrial AC Motor application within power specification

Specification Chart

Pempek VFD	VFD rated voltage	Max current	Suitable motor Max power @1140V	Suitable motor Max power @960V	Suitable motor Max power @860V	Suitable motor Max power @660V	Suitable motor Max power @460V	Suitable motor Max power @380V	Dimension
LOW4	1140V	200A	150KW	133KW	119KW	91KW	64KW	52KW	462x372x200
LOTJ	1140V	300A	230KW	200KW	178KW	178KW	137KW	79KW	610x370x213
LOUP	480V	500A	NA	NA	NA	228KW	159KW	130KW	700x325x168
LIIW	660V	500A	NA	NA	NA	228KW	159KW	130KW	430x350x201
L124	1140V	400A	150KW	133KW	119KW	91KW	64KW	52KW	733x350x200

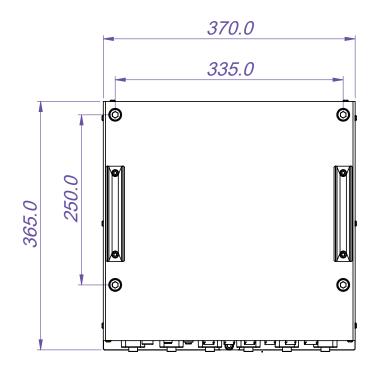
© Pempek 1985 – 2024 www.pempek.world | sales@pempek.world | 3/13 Hoyle Ave Castle Hill NSW 2154 | +61 02 8853 4800

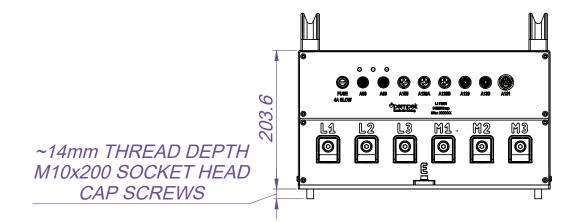
Pempek Systems Pty Ltd ACN 622 172 721 (Pempek) is the owner of all intellectual property rights subsisting in all of its products, software and hardware, as well as all product information contained in this document (including without limitation in respect of all copyright, designs and know-how). Your use of Pempek's products and intellectual property is strictly subject to: Pempek's Licence Terms and Conditions, which are accessible here: https://pempek.world/terms-and-conditions/#PempekIntellectualPropertyLicenceAgreement

Pempek's Product Terms and Conditions are accessible here: https://pempek.world/terms-and-conditions by requesting Pempek to provide its products and services to you, or by continuing to use Pempek's products and services, you confirm your acceptance of the terms and conditions specified above. You agree and acknowledge that these terms form a legally binding agreement between you and Pempek. Pempek reserves the right to amend its terms and conditions at any time.

L11W0101 AC Variable Frequency Drive 600V 150kW - 24V Control PS - 110/220V Relay - 5V Encoder

Dimensional Drawings (mm)





Datasheet-L11W0101

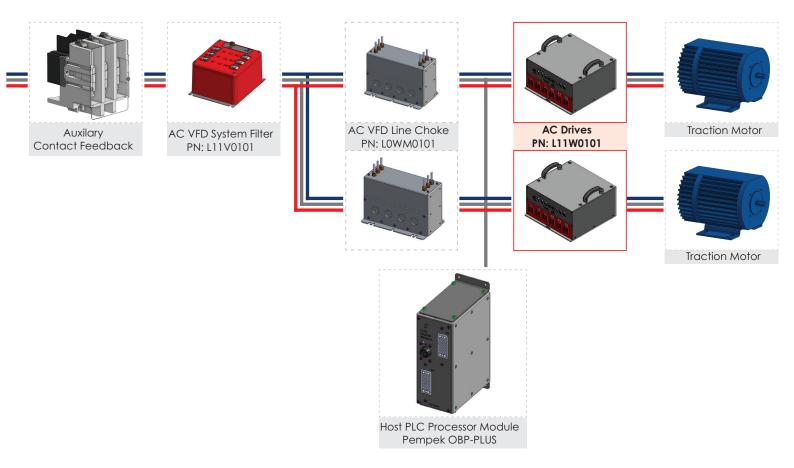
© Pempek 1985 – 2024 www.pempek.world | sales@pempek.world | 3/13 Hoyle Ave Castle Hill NSW 2154 | +61 02 8853 4800

Pempek Systems Pty Ltd ACN 622 172 721 (Pempek) is the owner of all intellectual property rights subsisting in all of its products, software and hardware, as well as all product information contained in this document (including without limitation in respect of all copyright, designs and know-how). Your use of Pempek's products and intellectual property is strictly subject to: Pempek's Licence Terms and Conditions, which are accessible here: https://pempek.world/terms-and-conditions/#PempekIntellectualPropertyLicenceAgreement

Pempek's Product Terms and Conditions are accessible here: https://pempek.world/terms-and-conditions by requesting Pempek to provide its products and services to you, or by continuing to use Pempek's products and services, you confirm your acceptance of the terms and conditions specified above. You agree and acknowledge that these terms form a legally binding agreement between you and Pempek. Pempek reserves the right to amend its terms and conditions at any time.

L11W0101 AC Variable Frequency Drive 600V 150kW - 24V Control PS - 110/220V Relay - 5V Encoder

Single Drive Typical Application Example



Ordering Information

AC Variable Frequency Drive 600V 150kW - 24V Control PS - 110/220V Relay - 5V Encoder Part Number: L11W0101

AC VFD System Filter with Common Mode Choke (1140 V) Part Number: L11V0101

AC Drive 1140V Choke 40A Long Side Mounting Part Number: LOWM0101

Datasheet-L11W0101

© Pempek 1985 – 2024 www.pempek.world | sales@pempek.world | 3/13 Hoyle Ave Castle Hill NSW 2154 | +61 02 8853 4800

Pempek Systems Pty Ltd ACN 622 172 721 (Pempek) is the owner of all intellectual property rights subsisting in all of its products, software and hardware, as well as all product information contained in this document (including without limitation in respect of all copyright, designs and know-how). Your use of Pempek's products and intellectual property is strictly subject to: Pempek's Licence Terms and Conditions, which are accessible here: https://pempek.world/terms-and-conditions/#PempekIntellectualPropertyLicenceAgreement

Pempek's Product Terms and Conditions are accessible here: <u>https://pempek.world/terms-and-conditions</u> by requesting Pempek to provide its products and services to you, or by continuing to use Pempek's products and services, you confirm your acceptance of the terms and conditions specified above. You agree and acknowledge that these terms form a legally binding agreement between you and Pempek. Pempek reserves the right to amend its terms and conditions at any time.