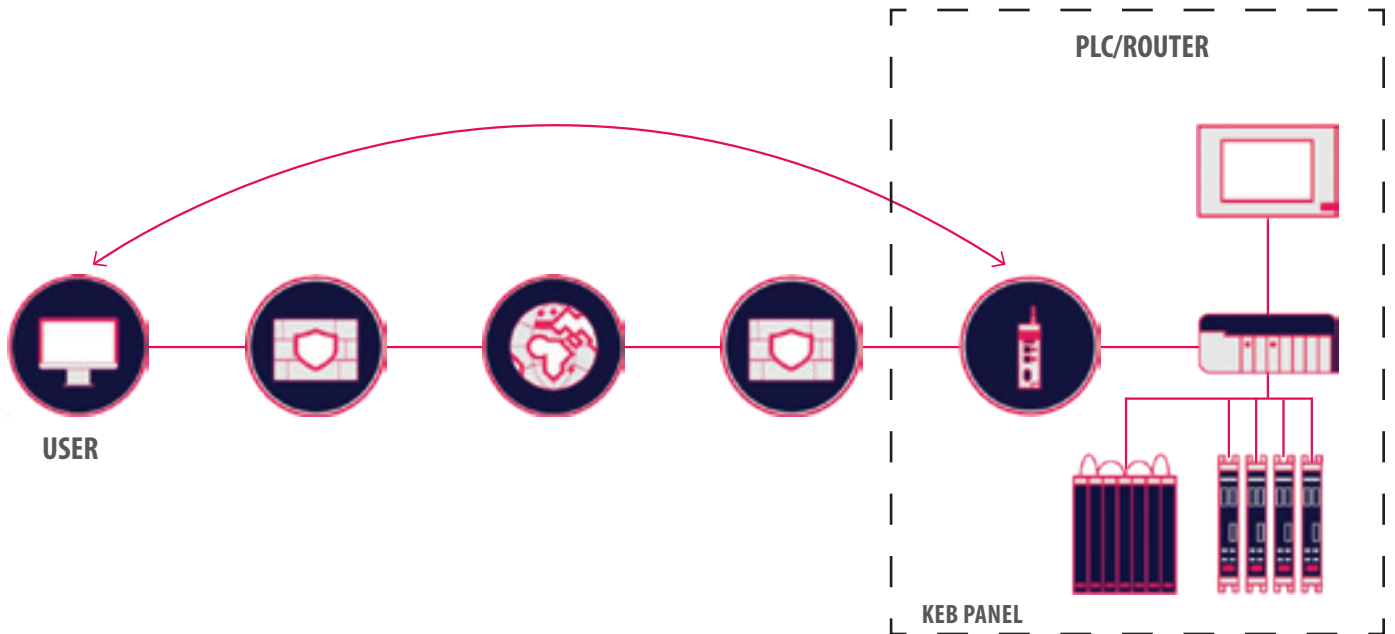




**DRIVE PANEL SOLUTIONS**

## SECURE REMOTE ACCESS

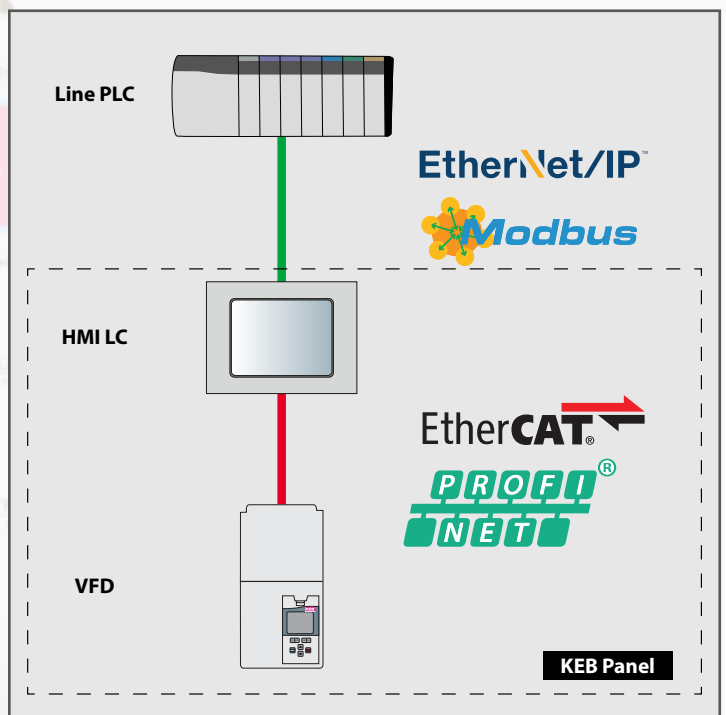


## COMMUNICATION GATEWAY

KEB's HMI LC supports over 40 communication drivers and is offered with KEB drive panels.

The HMI LC handles multiple drives and can act as a communication gateway between protocols used inside the panel and external controls.

This allows KEB panels to be easily integrated with other control systems.



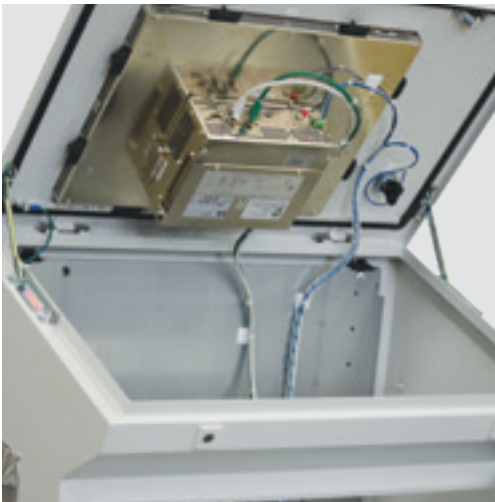
**REGEN DRIVE PANEL**



Modernize your control solution with a KEB regen panel. The kit comes pre-wired and fused.

Large terminal blocks allow for easy connections to the utility and DC bus.

**OPERATOR STATIONS**



**PANEL PC ARM MOUNT**



Mount your KEB industrial Panel PC in a fully enclosed IP65 housing.

Various mounting adapters are available including swivel arms.

Switches and push buttons can be configured for the application.

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# ENGINEERED PANELS

## BRAKING RESISTORS

Regenerative applications can be supplied with braking resistors or Active-Front-End (AFE) systems.

Critical applications can also be supplied with e-stop circuitry and emergency resistors.

## BEST PRACTICE EMI LAYOUT

Best practice cable layout, filtering, and grounding provide error-free operation.

## CIRCUIT BREAKER

A circuit breaker is used as standard. Additional protection options are available upon request.

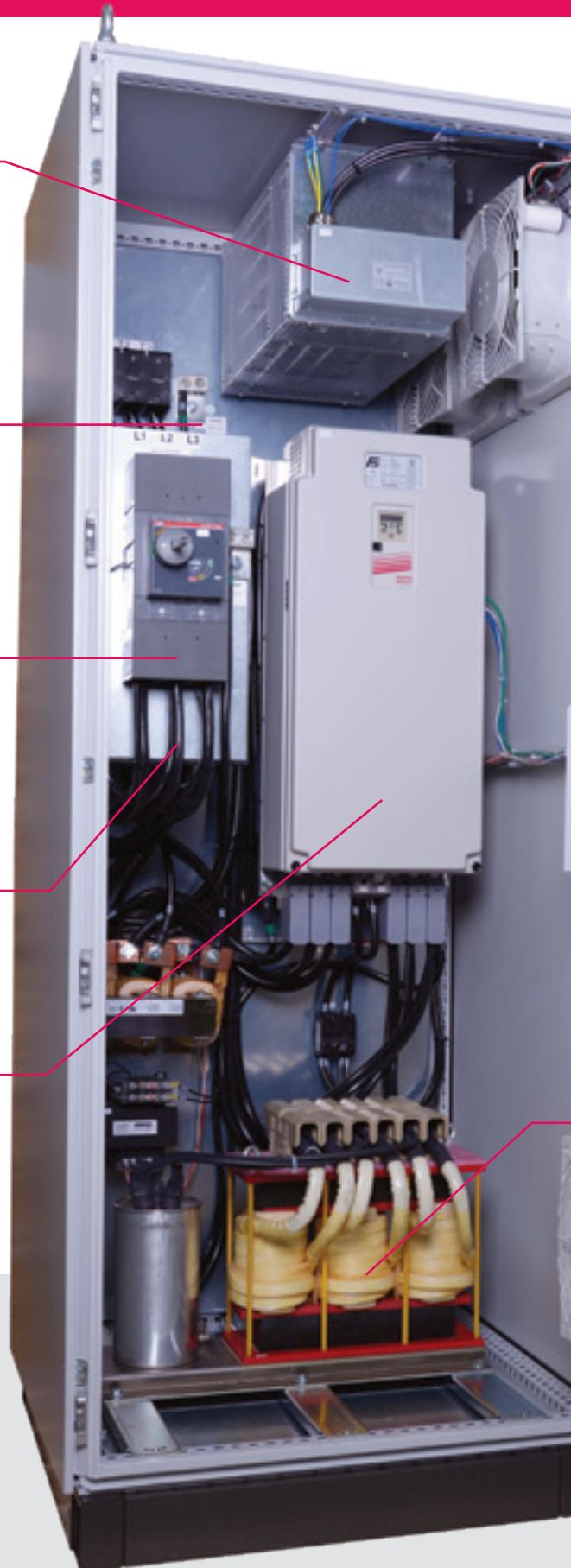
## PANEL SURGE PROTECTION

UL 1449 4th Edition, type 2 surge protection device ensures the circuit breaker will trip, avoiding damage to the drive.

## COMPACT DRIVE TECHNOLOGY

KEB offers drive solutions up to 1000Hp. High frequency motors can be run with KEB's high speed drives which are capable of up to 16kHz switching frequency.

KEB offers both air-cooled and liquid-cooled drives.





## HMI SOLUTIONS

KEB offers scalable panel solutions up to 24".

The HMI can act as a PLC gateway to high level controls. Over 40+ drivers are supported, including:



## UL508A

Panels are built with standard SCCR ratings. Higher SCCR ratings are offered if needed.



## REMOTE I/O

As an option, KEB panels can be integrated with control products like KEB's EtherCAT embedded or industrial PCs and I/O.



## FILTERING SOLUTIONS

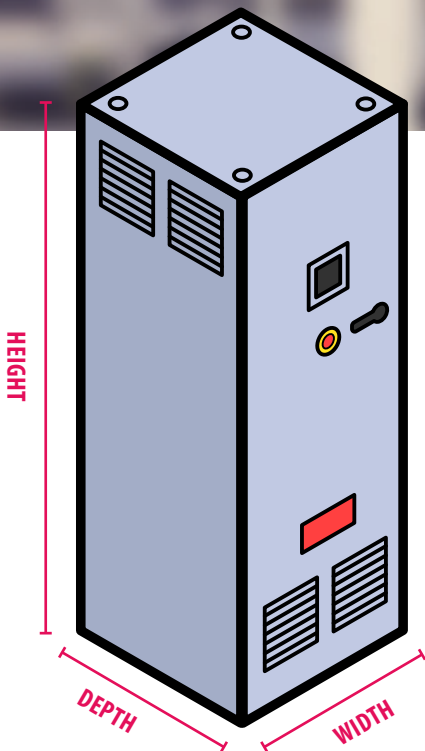
KEB offers LCL, Harmonic, EMI, and Sinewave filter options.

The filters meet special application requirements like low harmonics or extremely long motor cable runs.

## NEMA 1 / 3 / 4X / 12 OPTIONS

KEB offers different panel solutions for indoor and outdoor use.

# DIMENSIONS



HP	DEPTH	WIDTH	HEIGHT
75 to 125	600	600	2100
150 to 400	600	800	2100
450 to 500	600	1000	2100
Up to 1000	Contact KEB America		

**LISTED DIMENSIONS IN MM  
DIMENSIONS MAY CHANGE DEPENDING ON ADDITIONAL OPTIONS**

## PROTECTION RELAY



Protection relays are offered for grid-tie and Energy Conversion Systems (ECS).

Protection relays monitor the electrical connection to the grid and disconnect the panel in case of an abnormal event.

## HARMONIC FILTERS



KEB Harmonic Filters can be used to meet IEEE 519:2014 power quality standards.

The filters feature three-phase capacitors and a high performance electrical winding system that offers 99% efficiency.

The filters are available in graduated sizes, meaning they can be optimized for each application.

## RESISTOR GRIDS



For regenerative applications KEB offers various power resistor options.

Optionally, block regenerative drives and Active-Front-End solutions are possible.



## KEB AMERICA, INC.

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