

CanadaVFD Specialized in
Regenerative Brake System &
Grid connected DC-AC converting
Since year 2001
from 1hp to 4 Mw
1000+ in stock

Featured products, 2017

- 1, Integrated **Regenerative** Brake for 6 elevators
- 2, Elevator Emergency Rescue Power (EPR)
with full **Regenerative** Energy Recovery

Featured Services, 2017

OEM Manufacturing:

Build your own Brand with 100% Quality.

Regenerative Brake System.....Recover Energy from Dynamic Braking

CanadaVFD series Regeneration Solutions

Elevator & Escalator
@Recover 30% Energy
Extra low noise

Floor mounted: IP54
Recover 30% energy
for existing elevators



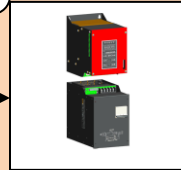
Page 03

Wall mounted: IP20
Recover 30% energy
for existing elevators

Page 04



Cabinet mounted: IP00
for NEW elevators



Page 05

Integrated: ONE regenerative unit
for every 2-6 elevators

Page 06



Elevator Emergency Rescue Power
Save 20,000-40,000 kWh
in its life time

Page 07



Machine Tools & CNC
@Recover 25% Energy
Super fast response

Page 09



General Industrial
@Plug & Play
Everything is built-in

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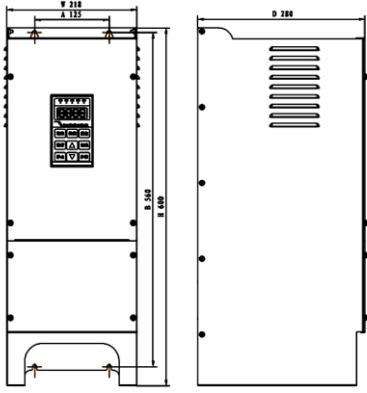




Mega Power for Traction Drives
3-level Inverter
Up to 4MW 1500Vdc



Regenerative Brake System.....Recover Energy from Dynamic Braking

1, Regenerative Brake for **Elevators / Escalators**, recovers up to 30% energy. @Floor-mounted .

Dimensions	3D illustration	Photo
		 <p>VFD</p> <p>with built-in EMI filters and line reactors</p>

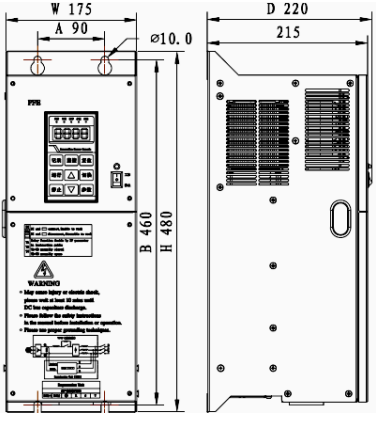
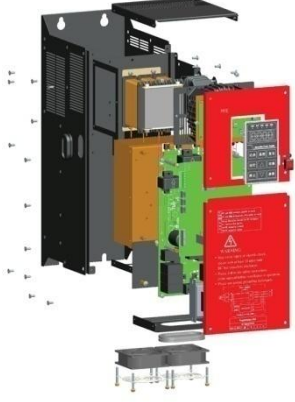

Model	Grid Voltage 50/60HZ	Rated Current A continuous	Peak Current A 30 seconds	Gearless traction motor (KW)	Traction motor with gears (KW)	Dimensions: W x D x H (mm)
VFD-02-7P5DNC	200-240Vac	7.5A	17A	3.7kw	5.5kw	W218*D280*H600
VFD-02-011DNC	200-240Vac	11A	22A	5.5kw	7.5kw	W218*D280*H600
VFD-02-015DNC	200-240Vac	15A	27A	7.5kw	11kw	W218*D280*H600
VFD-02-018DNC	200-240Vac	18A	30A	11kw	15kw	W218*D280*H600
VFD-02-022DNC	200-240Vac	22A	35A	15kw	18.5kw	W218*D280*H600
VFD-02-FSPDNC	200-240Vac	22A	45A	11-18.5kw	11-22kw	W218*D280*H600

Model	Grid Voltage	Rated Current A continuous	Peak current A 30 seconds	Gearless traction motor	Traction motor with gears	Dimensions: W x D x H (mm)
VFD-04-7P5DNC	360-460Vac	7.5A	11A	3.7kw	5.5kw	W218*D280*H600
VFD-04-011DNC	360-460Vac	11A	15A	5.5kw	7.5kw	W218*D280*H600
VFD-04-015DNC	360-460Vac	15A	18A	7.5kw	11kw	W218*D280*H600
VFD-04-018DNC	360-460Vac	18A	20A	11kw	15kw	W218*D280*H600
VFD-04-022DNC	360-460Vac	18A	22A	15kw	18.5kw	W218*D280*H600
VFD-04-FSPDNC	360-460Vac	22A	27A	11-18.5kw	11-22kw	W218*D280*H600

Specifications	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac
Grid Frequency	45-65HZ
Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in
Braking Voltage Level Setting	357Vdc +-120Vdc adjustable@200Vac 617Vdc +-120Vdc adjustable@400Vac
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical coded display: Grid statue, fault, voltage and current, all setting parameters
Input controls	Digit input, 10mA, Inverter enable / disable
Output controls	1 normal open, 1 normal close, 1A 250V relay, Programmable.
Working conditions	<1000m, -10-40C, <90%, no condensing, 0.5G
Case / Enclosure Ratings	IP54 (Powder coating carbon steel)
Storage	40-70C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

Regenerative Brake System.....Recover Energy from Dynamic Braking

2, Regenerative Brake for Elevators /escalators, saves up to 30% energy. @ Wall-mounted model

Dimensions	3D illustration	Photo
		 <p>VFD</p> <p>with built-in EMI filters and line reactors</p>

Model	Grid Voltage 50/60HZ	Rated Current A continuous	Peak Current A 30 seconds	KW Gearless traction motor	KW Traction motor with gears	Dimensions: W x D x H (mm)
VFD-02-SSWM	200-240Vac	7.5A	17A	up to 7.5kw	up to 11kw	W175*D220*H470
VFD-02-MSWM	200-240Vac	15A	27A	up to 11kw	up to 15kw	W175*D220*H470
VFD-02-LASWM	200-240Vac	22A	35A	up to 15kw	up to 18.5kw	W175*D220*H470

Model	Grid Voltage	Rated Current A continuous	Peak current A 30 seconds	KW Gearless traction motor	KW Traction motor with gears	Dimensions: W x D x H (mm)
VFD-04-SSWM	360-460Vac	15A	18A	up to 11kw	up to 15kw	W175*D220*H470
VFD-04-MSWM	360-460Vac	18A	22A	up to 15kw	up to 18.5kw	W175*D220*H470
VFD-04-LASWM	360-460Vac	22A	27A	up to 18.5kw	up to 22kw	W175*D220*H470

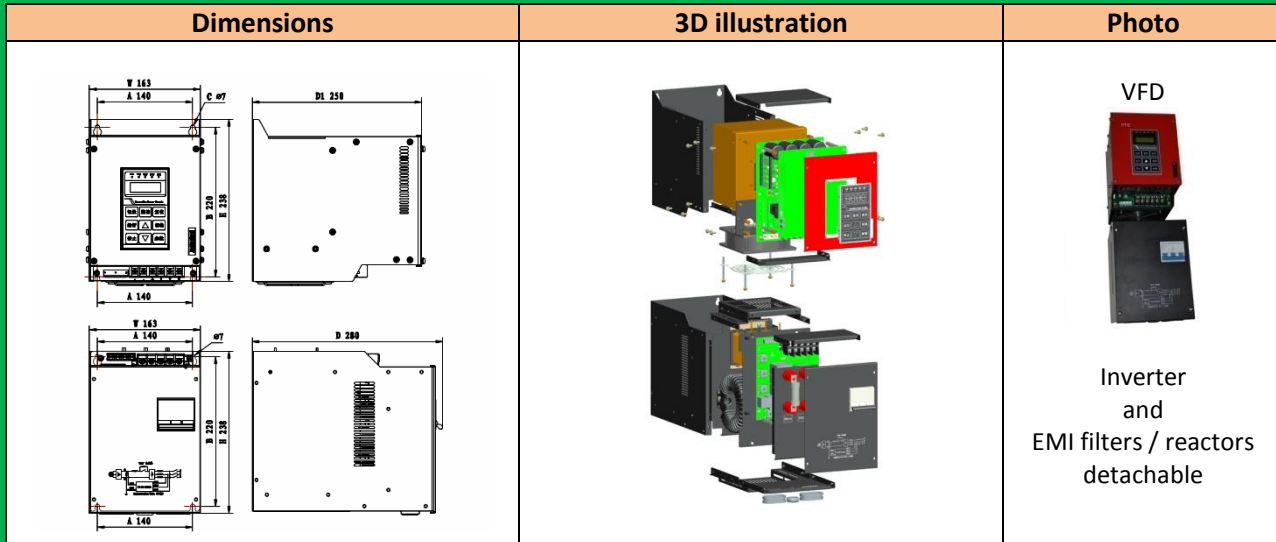
Specifications	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac
Grid Frequency	45-65HZ
Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in
Braking Voltage Level Setting	357Vdc +-120Vdc adjustable@200Vac 617Vdc +-120Vdc adjustable@400Vac
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical coded display: Grid statue, fault, voltage and current, all setting parameters
Input controls	Digit input, 10mA, Inverter enable / disable
Output controls	1 normal open, 1 normal close, 1A 250V relay, Programmable.
Working conditions	<1000m, -10-40C, <90%, no condensing, 0.5G
Case / Enclosure Ratings	IP20 (Powder coating carbon steel)
Storage	40-70C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

Regenerative Brake System.....Recover Energy from Dynamic Braking

3, Regenerative Brake for elevators and escalators,

@ Cabinet-mounted. Designed for Elevator **Manufacturers or Elevator System Integrations.**

Electronic parts and EMI filter/reactor parts are detachable.



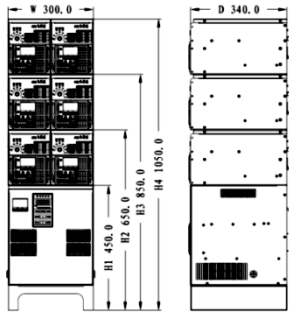


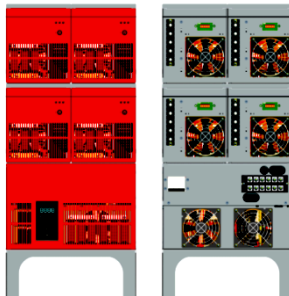
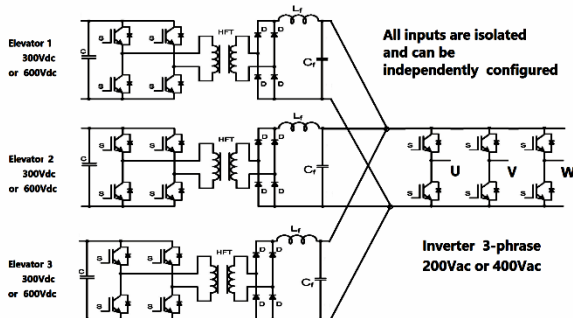
Model	Grid Voltage 45-65HZ	Rated Current A continuous	Peak current A 30 seconds	KW Gearless traction motor	KW Traction motor with gears	Dimensions: W x D x H (mm)
VFD-2ND-VR01	200-240Vac	7.5A	22A	3.7-7.5kw	3.7-11kw	inverter W163*D250*H238 filters/reactors W163*D280*H238
VFD-2ND-VR02	200-240Vac	18A	35A	11-18.5kw	15-22kw	
VFD-4ND-VR01	360-460Vac	7.5A	15A	3.7-7.5kw	3.7-11kw	
VFD-4ND-VR02	360-460Vac	18A	27A	11-18.5kw	15-22kw	

Specifications	
Grid Voltage	3-phase, 200-240Vac, 360-460Vac
Grid Frequency	45-65HZ
Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in
Braking Voltage Level Setting	357Vdc +-120Vdc adjustable@200Vac 617Vdc +-120Vdc adjustable@400Vac
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical coded display: Grid statue, fault, voltage and current, all setting parameters
Input controls	Digit input, 10mA, Inverter enable / disable
Output controls	1 normal open, 1 normal close, 1A 250V relay, Programmable.
Working conditions	<1000m, -10-40C, <90%, no condensing, 0.5G
Case / Enclosure Ratings	IP00 (Powder coating carbon steel)
Storage	40-70C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

Regenerative Brake System.....Recover Energy from Dynamic Braking

4, Integrated Energy Recovering System for 2- 6 elevators. (Regenerative braking)

@ 100% Electrically insulated, save 17,520 kWh each year. Best for multi-elevator high-rise buildings.

Dimensions	3D illustration	Photo
		 <p>VFDK</p> <p>with built-in EMI filters and line reactors</p>
	 <p>All inputs are isolated and can be independently configured</p> <p>Inverter 3-phase 200Vac or 400Vac</p>	

Model	Voltage	Rated Current A continuous	Peak current A 30 seconds	note 1	note 2	Dimensions: W x D x H (mm)
DC-AC Inverter	360-460Vac	AC 30A	AC 45A	up to 6 elevators. Gearless Traction motor up to 11kw	up to 6 elevators. Traction motor with gears up to 15kw	W300*D340*H450
DC convertor	500-760Vdc	DC 10A	DC 15A			W150*D340*H200

- @ VFDK recovers energy for 2-6 elevators , every elevator is 100% insulated electrically .
- @ The recovered energy can be connected and fed to any three-phase GRID power.
- @ Save 60% installation space.

Specifications	
Grid Voltage	3-phase, 360-460Vac. 45-65HZ
3-phase Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in
DC-DC inverter	590Vdc -740Vdc adjustable, each unit is independent and electrically insulated
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Display	LED numerical coded display, Grid power statue, multi-fault, voltage and current, all setting and parameters
Input controls	Enable / disable
Output controls	1, Enable / disable. 2, NO/NC Relay outputs, programmable
Working conditions	<1000m, -10-40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-70C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

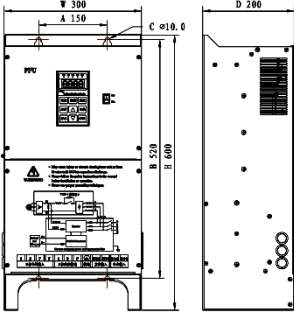
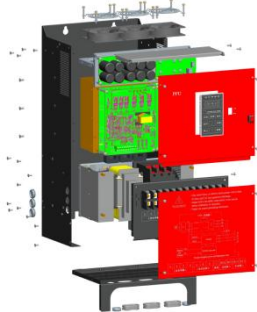

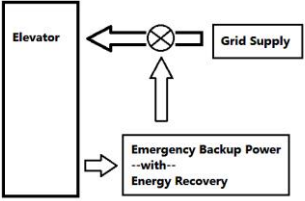
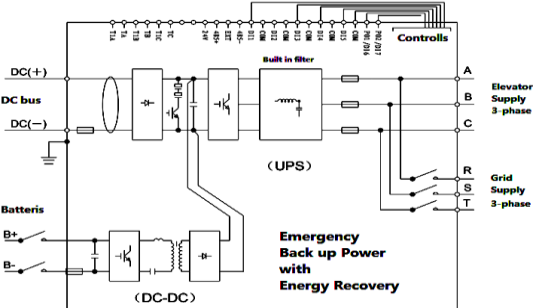
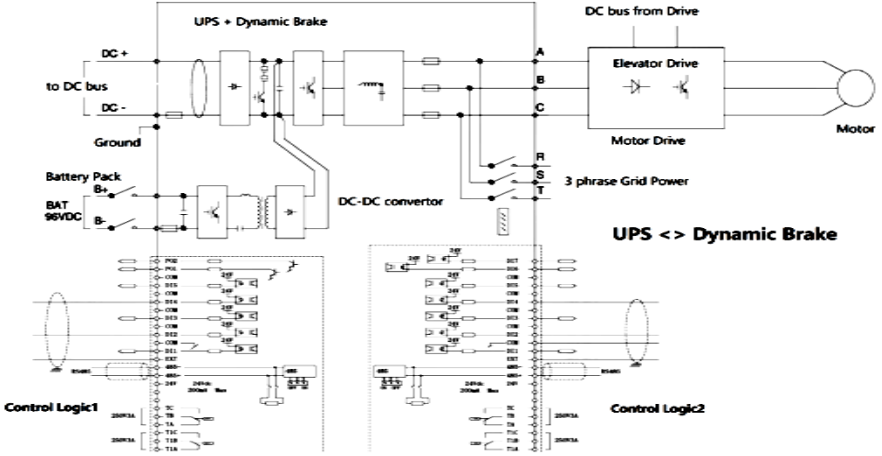
Regenerative Brake System.....Recover Energy from Dynamic Braking

5, VFDU: Elevator Emergency Rescue Power with full Energy Recovery.

@ Save up to 40,000 kWh electric energy in its life time

When grid power is normal, VFDU works as a dynamic energy recovery equipment.

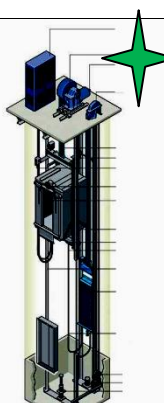
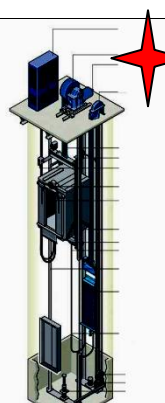
When grid power is failure, VFDU works as an Emergency Rescue Power (EPR or UPS)

Dimensions	3D illustration	Photo
		<p data-bbox="1226 562 1291 592">VFDU</p>  <p data-bbox="1185 850 1339 924">with built-in EMI filters and line reactors</p>
		
		

Regenerative Brake System.....Recover Energy from Dynamic Braking

A Combination of EPR/ UPS and Regenerative Dynamic Brake.

Model	Grid Power	Motor (KW)		Dynamic Brake A (@ D=25%)	UPS Rated KW(400Vac)	UPS Peak KW(400Vac)	Battery Bank
		With Gears	Gearless				
VFDU-04-7P5P9624	340-460Vac	7.5kw	5.5kw	11A(ac)	3kw	5kw	96VDC
VFDU-04-011P9624	340-460Vac	11kw	7.5kw	15A(ac)	3kw	5kw	96VDC
VFDU-04-015P9624	340-460Vac	15kw	11kw	18.5A(ac)	3kw	5kw	96VDC
VFDU-04-018P9624	340-460Vac	18.5kw	15kw	22.5A(ac)	3kw	5kw	96VDC
VFDU-04-022P9626	340-460Vac	22kw	18.5kw	27.5A(ac)	3kw	5kw	96VDC

Grid Power Normal		Grid Power Failure	
	<p>VFDU is working in Regenerative Dynamic Braking Mode when power is normal.</p> <p>VDFU recovers energy from dynamic energy.</p> <p>95% efficiency.</p> <p>save up to 5,000 kWh each year</p>		<p>VFDU is working in Emergency Rescue Power Supply Mode when power is in failure.</p> <p>VDFU supplies power to the elevator as a EPR/ UPS.</p> <p>Automatically monitoring and switching 24/7/365</p>

Specifications	
Grid Voltage	3-phase, 360-460Vac. 45-65HZ
3-phase Inverter Controls	SPWM sinusoidal current tracing with DSP
Switching time	Regenerative mode to UPS mode 10mS.
Output Current THD % (regenerative mode)	THD < 5% , at 100% load Automatically tracing the grid phase and voltage.
Output Voltage: (UPS mode)	3-phase, 380Vac, 50/60HZ , voltage source (output programmable)
EMI filters and Line Reactors	Built-in
Battery Bank	96VDCV (12V x 8), Backup time based on battery capacity. (5 minutes to 30 minutes)
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure, battery monitor, charge and discharge control.
Display	LED numerical coded display, Grid power statue, multi-fault, voltage and current, all setting and parameters
Control Inputs	Enable/ disable inputs
Control Outputs	Multi-digital outputs, programmable, @ instructs the elevator drive to park the car at safe position/ escalation level.
Working conditions	<1000m, -10-40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-70C, Relative humidity 5-95%
Users' manual	English
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

Regenerative Brake System.....Recover Energy from Dynamic Braking

6, Regenerative Brake for Machine Tools & CNC,

Designed for very quick dynamic response CNC machines.

up to 5.5kw motor, response in 1/1000 second. Low noise, everything is build-in.

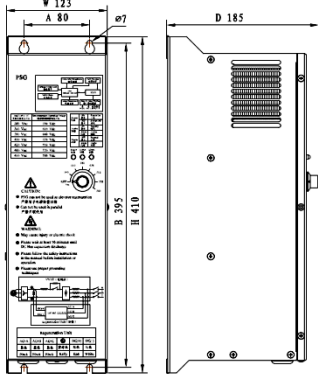
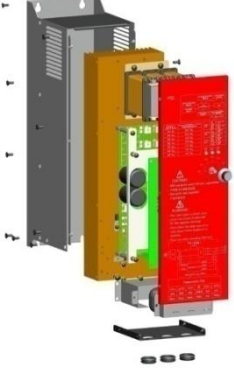

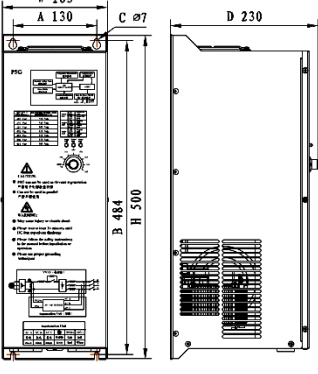
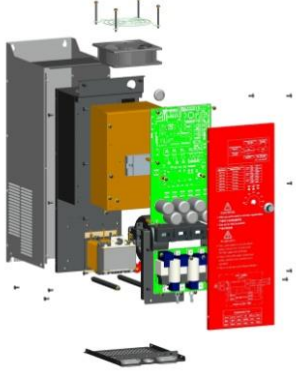

Dimensions	3D illustration	Photo
		<p>VFDC</p> <p>very fast response with built-in EMI filters and line reactors</p>

Model	Grid Voltage	Rated Current A continuous	Peak current A 10 seconds	Motor KW 200% overload	Duty Cycle	Dimensions: W x D x H (mm)
VFDC-04-5P5	360-460Vac	7.5A	17A	2.2-5.5kw	4 cycles / minute	W123*D185*H325

Specifications	
Grid Voltage	3-phase, 360-460Vac. 45-65HZ
3-phase Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in
Braking Voltage Setting	590Vdc -740Vdc adjustable,
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Duty Cycle	Max. 4 cycles every minute.
Display	LED numerical coded display: Power, Normal , Fault
Input controls	N/A
Output controls	N/A
Working conditions	<1000m, -10-40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-70C, Relative humidity 5-95%
Users' manual	No manual, all parameters and setting printed on the front panel
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

Regenerative Brake System.....Recover Energy from Dynamic Braking

7, Compact Regenerative Braking Unit for motors from 2.2kw to 30kw. (for General Purpose)

Dimensions	3D illustration	Photo
		<p data-bbox="1166 373 1230 401">VFDG</p>  <p data-bbox="1052 638 1344 701">with built-in filters and line reactors</p>
		<p data-bbox="1166 814 1230 842">VFDG</p>  <p data-bbox="1052 1142 1344 1205">with built-in filters and line reactors</p>

Model	Grid Voltage 45-65HZ	Rated Current A continuous	Peak current A 30 seconds	KW for motors@ overload %			Dimensions: W x D x H (mm)
				OL @200%	OL@150%	OL@ 100%	
VFDG-04-2P2C	360-460Vac	2.2A	7.5A		1.5kw	3,7kw	W175*D185*H480
VFDG -04-3P7C	360-460Vac	3.7A	11A	1.5kw	2.2kw	5.5kw	W175*D185*H480
VFDG -04-5P5C	360-460Vac	5.5A	13.5A	2.2kw	3,7kw	7.5kw	W175*D185*H480
VFDG -04-7P5C	360-460Vac	7.5A	15A	3.7kw	5.5kw	11kw	W175*D220*H480
VFDG -04-011C	360-460Vac	11A	18A	5.5kw	7.5kw	15kw	W175*D220*H480
VFDG -04-015C	360-460Vac	15A	22A	7.5kw	11kw	18.5kw	W175*D220*H480
VFDG -04-018C	360-460Vac	18A	30A	11kw	15kw	22kw	W175*D220*H480
VFDG -04-022C	360-460Vac	22A	45A	15kw	18.5kw	30kw	W175*D220*H480

Regenerative Dynamic System up to 1500VDC / 3Mw are available.

200-240Vac and 575-690Vac are available.

Please email or call for more information.

Regenerative Brake System.....Recover Energy from Dynamic Braking

Specifications: VFDG	
Grid Voltage	3-phase, 360-460Vac. 45-65HZ
3-phase Inverter Controls	SPWM sinusoidal current tracing with DSP
Output Current THD %	THD < 5% , at 100% load
EMI filters and Line Reactors	Built-in
Braking Voltage Setting	590Vdc -740Vdc adjustable,
Protection	Over heat, over voltage, over current, phase loss, internal error, IGBT failure,
Duty Cycle	up to 100%
Display	LED numerical coded display: Power, Normal , Fault
Input controls	Multi inputs, RUN enable/disable
Output controls	Multi relay output, programmable,
Working conditions	<1000m, -10-40C, <90%, no condensing, 0.5G
Enclosure Ratings	IP 20 (Powder coating carbon steel)
Storage	-40-70C, Relative humidity 5-95%
Users' manual	No manual, all parameters and setting printed on the front panel
Panel printing Languages	Standard English, Optional : Japanese, Chinese, Spanish, French

OEM service: We can make quality Regenerative Brake in your Brand Names.

- 1, Quality is our priority.
- 2, No specific certifications are available for SAMPLES.
- 3, Each design revise/alter takes 2-4 weeks.
- 4, Recognition: CE takes shorter procedure time, and UL takes the longest.
- 5, OEM products have 3 years warranty.

Email : service@allcanfresh.com or call 001-613-526-3436

