



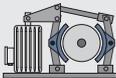
ADV200-HC

INVERTER FOR HOIST & CRANE SYSTEM



EFFICIENT AND RELIABLE WITH ANY TYPE OF LOAD

- UNIVERSAL DRIVE TO MANAGE HOISTING & TRAVELING MOVEMENTS
- SAFE OPERATIONS THROUGH A COMPLETE BUILT-IN DEDICATED SYSTEM FEATURES
- ENERGY EFFICIENCY OPTION BY USING REGENERATIVE POWER SUPPLY

<p>Brake Management</p>  <p>Brake Management is fully integrated for a smooth start and stop control</p>	<p>Anti-Sway</p>  <p>Smooth prevention of mechanical sway during material movements</p>	<p>Joystick Management</p>  <p>Joystick input to assure full control of the crane</p>	<p>Hoist Speed up</p>  <p>Speeding up the Hoist movement at low load conditions</p>	<p>Anti-Impact</p>  <p>Prevention of damaging the load in case of impact</p>
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SPECIFICATION / RANGE / DIMENSION

Model	POWER RANGE (kW)																															
	0.75	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200	250	315	355	400	500	630	710	900	1000	1350	1650
ADV200-HC	Size 1				Size 2				Size 3				Size 4				Size 5				Size 6				Size 7				Parallel config size 7 (*)			

(*) Inverters of over 400 kW comprise one MASTER unit and one or more SLAVE units.

MAIN FEATURES

The ideal drive for Hoist & Crane

The specific features, the robustness, the safety standards as well as the application flexibility makes ADV200-HC the ideal inverter to meet the operational needs of the most advanced Hoist & Crane systems.

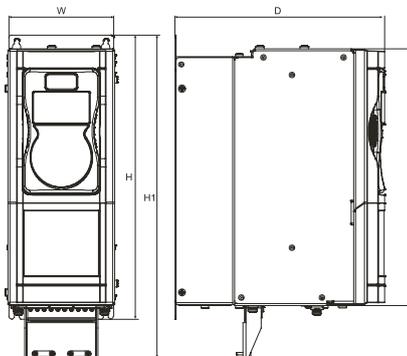
Smarter but simple

A Drive range with high performance and advanced controls, but ,at the same time simple in programming and installation.

Any type of Load

GEFRAN, with the ADV200-HC drive offers a global control solution applied to each type of systems movement.

GENERAL SPECIFICATIONS	
Power supply	380V _{AC} ... 690V _{AC} , 50-60 Hz
Power ratings	0.75kW ... 1.65MW
Maximum output frequency	500Hz (1007 ... 72000), 200Hz (72500 ... 1650kW)
IGBT braking unit	Sizes 1007 ... 5550: Internal (with external resistor); braking torque 150 % MAX
	Sizes ≥ 5750: External optional (BUy series)
Overload	Heavy Duty: 150 % x In (1' every 5'), 180 % x In (for 0,5"). Light Duty: 110 % x In (1' every 5').
Control mode	Open-loop and closed-loop vector control; Open loop V/f and V/f with feedback
Dedicated Functions	Brake Management, Joystick Input, Multispeed & Multiramp, Overtravel, Hoist Speed up, Low speed zone, Anti-Sway, Anti -Impact
Optional cards	Integration of up to 3 options on-board
	"Safety STO" card compliant with SIL3 machine safety directive (for model ADV200-HC-...+SI)
Energy-Efficiency option	By using the Regenerative Active Front End power supply AFE200
Multi-language programming SW	GF-eXpress (5 languages)
PLC	PLC with advanced IEC61131-3 programming environment
Rated protection	IP20-rated protection (IP00 size 7 and parallel)
Fieldbus management	DeviceNet, CANopen®, Modbus RTU, EtherCAT, GDnet, PROFIBUS-DP, Ethernet IP, PROFINET
Certification	CE, UL, cUL.



DIMENSIONS - mm			
Mechanical size	W	H (H1)	D
1	118	322 (348)	235
2	150	392 (440)	250
3	180	517 (557)	250
4	268	616 (682)	270
5	311	767 (853)	325
6	422	878	360
7	417	1407	485



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