

**OPERATES:** INDUCTION MOTORS OPEN & CLOSED-LOOP  
PM MOTORS WITH STANDARD INCREMENTAL OR ENDAT ENCODER

# HPV<sup>®</sup> 900

S E R I E S T W O

AC Elevator Drive



The HPV 900 Series 2 elevator drive continues the tradition of high performance, high overload capacity and long-life reliability. It is designed for both new installations and modernization projects, and provides advanced closed-loop vector control for superior performance. The HPV 900 Series 2 offers the fastest, easiest set-up adjustment; fewest callbacks; and the lowest total lifetime cost. This cost-effective AC drive gives you accurate acceleration and deceleration resulting in smooth ride quality. Magnetek's proven technical expertise plus our superior customer service are why we're the world's leading source of innovative, built-to-last elevator drives.



**MAGNETEK**  
E L E V A T O R



## DESIGNED & RATED FOR ELEVATOR APPLICATIONS

- No oversizing needed
- Designed with high overload capacity (250%)
- An internal dynamic braking IGBT
- Cooling fans run only when drive is in operation
- Carrier frequency of 10KHZ without drive derating
- Designed and tested to meet the elevator duty cycle
- Isolated encoder signals

## ELEVATOR APPLICATION SOFTWARE & PARAMETERS

- Offering the ultimate performance features
- Unique speed regulator for best ride quality and improved landing accuracy
- Parameters are in elevator industry terminology

## EASY SET-UP

- No need for mechanical disconnect to tune critical motor parameters
- Parameter upload/download software
- Drive calculates elevator system inertia
- Configurable I/O channels (removable terminals)
- Easy parameter changes via digital operator

## PM MOTOR OPERATIONS

- Incremental (standard) or EnDat (optional) encoder operation
- Align encoder to motor without mechanical disconnect
- Anti-rollback software

## HPV 900 SERIES 2 AC ELEVATOR DRIVE PRODUCT DATA

Rated Input Voltage	Rated (HP)	Rated (kW)	Overload Selection*	Carrier Frequency** (kHz)	Continuous Output Current General Purpose Rating	Continuous Output Current Elevator Duty Cycle Rating	Maximum Output Current for 5 sec	Height	Width	Depth	
200 - 240 VAC	7.5	5.6	250% 200%	10 8	25 31	29 33	63 63	12.6in (320mm)	9.05in (230mm)	8.27in (210mm)	
	10	7.5	250% 200%	10 8	31 39	36 41	78 78				
	15	11.2	250% 200%	10 8	41 51	48 55	103 103	18.99in (482mm)	9.18in (233.2mm)	10.64in (270.4mm)	
	20	14.9	250% 200%	10 8	52 65	60 70	130 130				
	25	18.7	250%	10	75	87	187.5				21.1in (536mm)
		30	22.4	250%	10	88	102	220	27.8in (693mm)	12.8in (325mm)	13.23in (336mm)
		40	29.8	250%	10	98	114	245			
380 - 480 VAC	5	3.7	250% 200%	10 8	8 10	9 11	20 20	12.6in (320mm)	9.05in (230mm)	8.27in (210mm)	
	7.5	5.6	250% 200%	10 8	12 15	14 16	30 30				
	10	7.5	250% 200%	10 8	16 20	19 21	40 40				
	15	11.2	250% 200%	10 8	21 26	24 28	53 53	15.6in (396mm)	10.4in (265mm)	9in (227mm)	
	20	14.9	250% 200%	10 8	27 34	31 36	68 68				
	25	18.75	250% 200%	10 8	34 43	39 45	85 85	21.1in (536mm)	8.82in (224mm)	12.24in (311mm)	
	30	22.4	250% 200%	10 8	41 51	48 55	103 103				
	40	29.8	250% 200%	10 8	52 65	60 70	130 130				
	50	37.3	250%	10	65	75	162.5				
		60	44.8	250%	10	72	84	180	27.28in (693mm)	12.8in (325mm)	13.23in (336mm)
		75	56	250%	10	96	111	240			

\* Based on Overload Select (C1) parameter selection

\*\* Maximum Carrier Frequency before derating

- All ratings at 60/50Hz and 10kHz carrier frequency
- All models include internal dynamic braking IGBT

- Operating temperature: -10°C (14°F) to 45°C (113°F)
- Standards: CSA and CE



**MAGNETEK**  
ELEVATOR

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