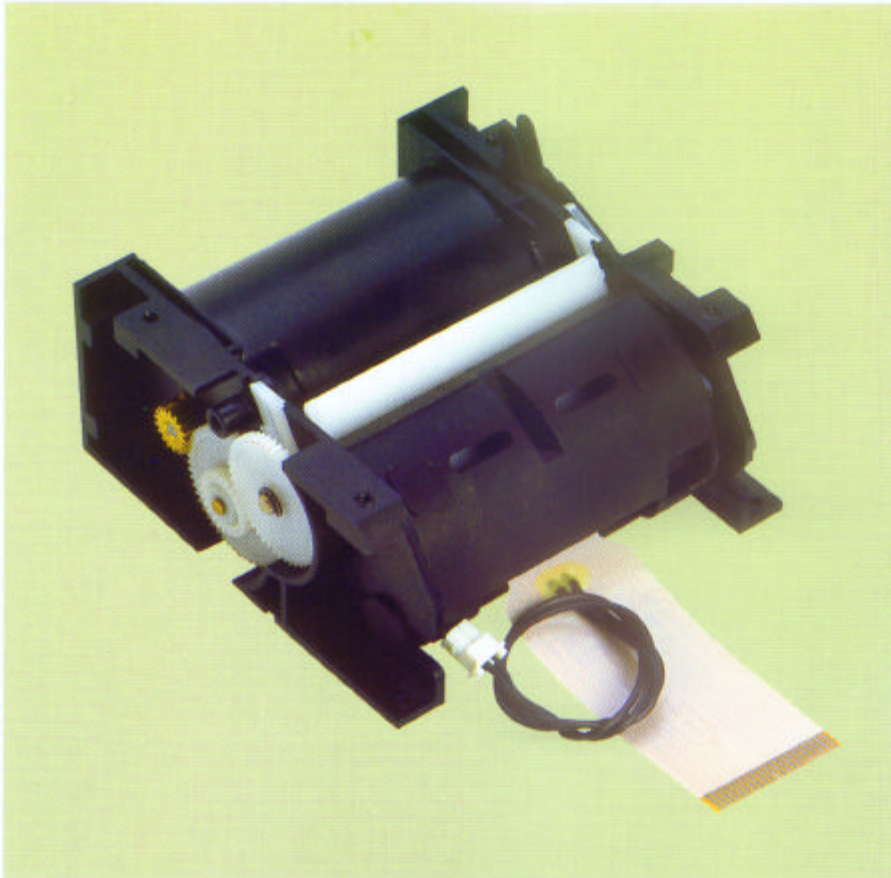




ADVANCED PRINTING SYSTEMS, LTD.

# FHP Series

HEAVY DUTY, LOW COST, THERMAL MECHANISM  
WITH RESOLUTIONS FROM 100 DPI TO 300 DPI



## FEATURES

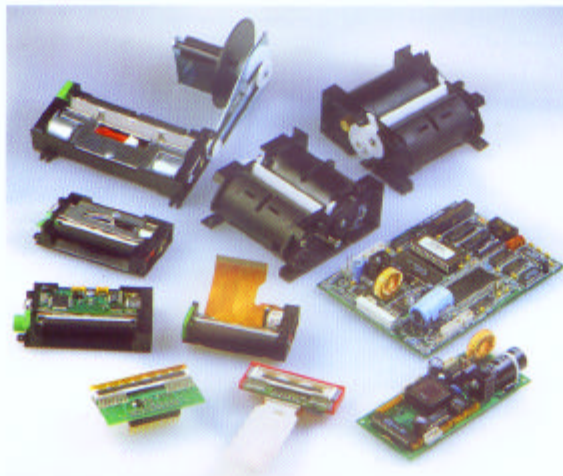
- 100% Compatible with a popular standard mechanism
- Long life and reliable
- Same footprint for all mechanisms in the series
- Easy, low cost upgrade to higher resolution and print speed
- Print speeds up to 6 ips

## APPLICATIONS

- Cash registers
- Weighing scales
- Coupons
- Ticketing
- Kiosks
- ATM Machines
- Gas pumps

**PATENTED**  
TORSION BAR DESIGN

**THE APS FAMILY**  
APS offers a complete line of thermal printer mechanisms as well as full custom printing solutions.

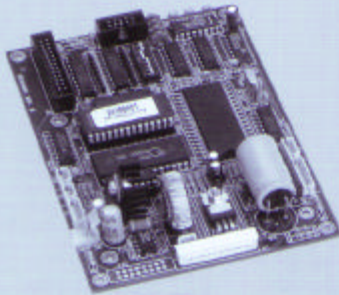


## Specifications

	FHP 6244	FHP 6248	FHP MS8	FHP HS8	FHP HS12
<b>Print Method</b>	Thermal line printing	Thermal line printing	Thermal line printing	Thermal line printing	Thermal line printing
<b>Number of dots</b>	192	432	432	448	640
<b>Resolution (dots/mm)</b>	4 dots/mm	8 dots/mm	8 dots/mm	8 dots/mm	12 dots/mm
<b>Print width (mm)</b>	48 mm	54 mm	54 mm	56 mm	56 mm
<b>Paper width (mm)</b>	58 mm	58 mm	58 mm	58 mm	58 mm
<b>Max. Paper thickness (mm)</b>	150 mm	150 mm	150 mm	150 mm	150 mm
<b>Paper loading</b>	Automatic	Automatic	Automatic	Automatic	Automatic
<b>Dot resistance (Ohms)</b>	470+/-3% Ω	1500+/-3% Ω	1500+/-3% Ω	800+/-3% Ω	330+/-3% Ω
<b>Voltage (Logic / Head)</b>	5/24	5/24	5/24	5/24	5/24
<b>Energy per dot (mJ)</b>	0.79 mJ	0.32 mJ	0.22 mJ	0.17 mJ	0.06 mJ
<b>Average consumption</b>	0.7 A	0.7 A	0.7 A	1.0 A	1.0 A
<b>Printing speed (mm/s)</b>	100 mm/s	70 mm/s	100 mm/s	150 mm/s	150 mm/s
<b>Paper detection</b>	Optosensor	Optosensor	Optosensor	Optosensor	Optosensor
<b>Temperature detection</b>	Switch	Switch	Switch	Switch	Switch
<b>Head-up detection</b>	Thermistor 30K	Thermistor 30K	Thermistor 30K	Thermistor 30K	Thermistor 30K
<b>Stepper motor (Ohms)</b>	Monopolar 110	Monopolar 110	Bipolar 110	Bipolar 10	Bipolar 10
<b>Weight (g)</b>	193g	193g	193g	193g	193g
<b>Life / reliability</b>	100 kms/100 million pulses	100 kms/100 million pulses	100 kms/100 million pulses	100 kms/100 million pulses	100 kms/100 million pulses
<b>Operating temperature (°C)</b>	0/50 °C	0/50 °C	0/50 °C	0/50 °C	0/50 °C
<b>Operating humidity (%)</b>	20-85 no condensing	20-85 no condensing	20-85 no condensing	20-85 no condensing	20-85 no condensing
<b>Dimensions (WxDxL) mm</b>	87 x 90 x 39.5 mm	87 x 90 x 39.5 mm	87 x 90 x 39.5 mm	87 x 90 x 39.5 mm	87 x 90 x 39.5 mm

### OPTIONS

- Front and bottom paper loading
- Journal paper sensor
- Peel-off plate for labeling application
- Cutter (full and partial)



Driver board

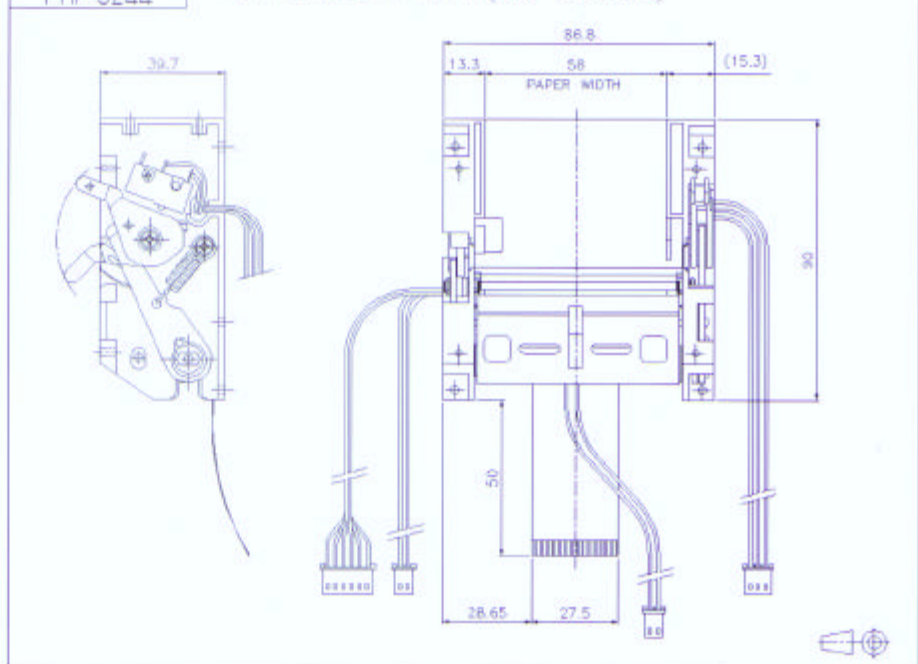
Single 12 V power supply, centronics, RS232



Rewinder wheel and divider (28mm x 2)

PRINTER TYPE  
FHP 6244

Dimensions in mm (not to scale)



Represented by



ADVANCED PRINTING SYSTEMS

- A.P.S. Industrial - S.r.l. Via delle Scienze, 10 20082 Binasco (mi) Italy - Tel 39 2 90093627 - Fax 39 2 90093501 - <http://www.a-p-s.net>
- A.P.S. Engineering - 14 Rue du Soleillet 75971 Paris Cedex 020 France - Tel. 33 1 40337977 - Fax 33 1 40337910 - <http://www.a-p-s.net>
- A.P.S. Advanced Printing Systems Ltd - 66 Wigmore St., LONDON, W1H OHQ United Kingdom - <http://www.a-p-s.net>
- A.P.S. America - 2309 Carroll Park South, Long Beach, CA 90814 - Tel. (562) 438-1736 - Fax (562) 438-1797 - <http://www.a-p-s.net>