

I N T R O D U C I N G

# Stromag SHPU

## Hydraulic Power Packs

**The SHPU Hydraulic Power Packs meet all the requirements of the industrial applications by offering complete and economical solutions.**

All SHPU Hydraulic Power Packs are manufactured and tested in the workshops of Stromag which is ISO9001 certified.

### SHPU1

- Thanks to its compactness and simple design, this HPP is an economical solution for all braking systems in on/off operation. The OP6 option allows this HPP to be used in steel industry.

| SHPU1   | CALIPER | SH1     | SH5    | SH9A   | SH18B  | SH25 | SH32 |
|---------|---------|---------|--------|--------|--------|------|------|
| 0.37 kW |         | 1 to 7  | 1      |        |        |      |      |
| 0.75 kW |         | 8 to 12 | 2 to 4 | 1 to 2 |        |      |      |
| 2.2 kW  |         |         | 5      | 3      | 1 to 2 | 1    | 1    |

### SHPU2

- Thanks to its modularity, this HPP can equip braking systems with advanced functions such as regulated braking, stepped braking, or lowering of the load.
- Electric level, temperature or clogging indicators, supplied as an option, allow optimal monitoring of the braking system.

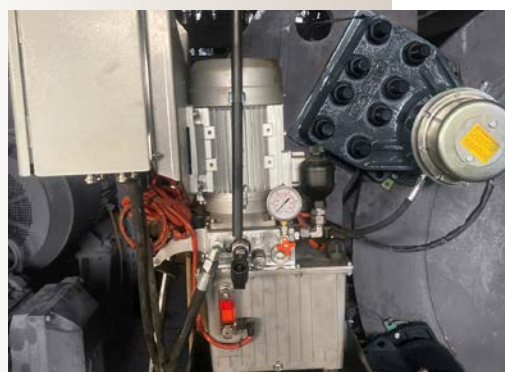
| SHPU2               | CALIPER | SH1     | SH5    | SH9A   | SH18B  | SH25   | SH32 |
|---------------------|---------|---------|--------|--------|--------|--------|------|
| 0.75 kW / 8L or 11L |         | 1 to 12 |        |        |        |        |      |
| 2.2 kW / 8L         |         |         | 1 to 5 | 1 to 3 |        |        |      |
| 2.2 kW / 11L        |         |         | 6 to 9 | 4 to 5 | 1 to 3 | 1 to 2 | 1    |

### SHPU3

- Thanks to its 35L tank, this HPP can be associated with a large number of brakes. It can be adapted to all braking configurations including Soft Braking and MOPS.
- A version with an 8L tank exists for the Soft Braking and MOPS functions.

| SHPU3                | CALIPER | SH1      | SH5     | SH9A    | SH18B   | SH25   | SH32   |
|----------------------|---------|----------|---------|---------|---------|--------|--------|
| 0.75 kW / 8L* or 35L |         | 1 to 12  |         |         |         |        |        |
| 2.2 kW / 35L         |         | 13 to 60 | 1 to 30 | 1 to 17 | 1 to 10 | 1 to 6 | 1 to 5 |
| 2.2 kW / 8L*         |         | 13 to 16 | 1 to 5  | 1 to 3  | 1 to 2  | 1      | 1      |

\*: SB or MOPS only. (MOPS = Manual Overload Protection System)



# Configurations and options



## SHPU1

|                       |         |
|-----------------------|---------|
| Tank 5L (4.5L useful) |         |
| Motor                 | 0.37 kW |
|                       | 0.75 kW |
|                       | 2.2 kW  |

SHPU1-0.75kW-Mano-K-BA

## OPTIONS

|        |                                     |
|--------|-------------------------------------|
| CPS    | Mechanical pressure switch          |
| Mano   | Manometer                           |
| MS     | Motor special voltage               |
| OP1-DM | Enhanced security on return circuit |
| OP6    | For iron and steel industry         |

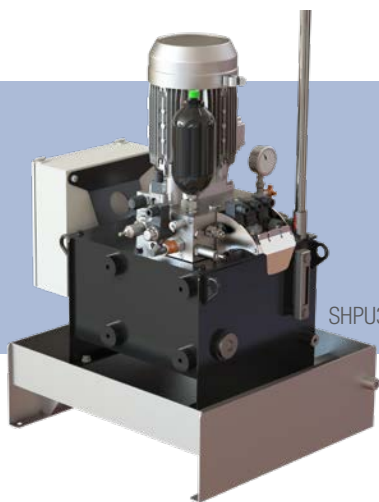


## SHPU2

|       |               |
|-------|---------------|
| Tank  | 8L (6L u.)    |
|       | 11L (7.5L u.) |
| Motor | 0.75 kW       |
|       | 2.2 kW        |

SHPU2-8L-2.2kW-Y1-3

|         |  |
|---------|--|
| CPS     | Mechanical pressure switch                                   |
| MS      | Motor special voltage  |
| OP6     | For iron and steel industry                                  |
| OP1-OP2 | Manual lowering with dead man safety                         |
| OP1-OP3 | Manual lowering with overspeed detection with solenoid valve |
| Y5      | Regulated braking  |
| Y1-3    | Stepped braking  |
| OP5E    | Electrical clogging indicator                                |
| OP7-8   | Oil temperature and level electrical indicator               |
| OP10    | Drip tray  |



## SHPU3

|       |              |
|-------|--------------|
| Tank  | 35L (30L u.) |
|       | 8L (6L u.)   |
| Motor | 0.75 kW      |
|       | 2.2 kW       |

SHPU3-35L-2.2kW-MOPS-OP10-K-PR

|              |       |                                   |
|--------------|-------|-----------------------------------|
|              | 35L   | idem SHPU2                        |
| SOFT BRAKING | 8L or | Soft and progressive braking      |
| MOPS         | 35L   | Manual Overload Protection System |
| ACC+         | 35L   | Opening time reduction            |



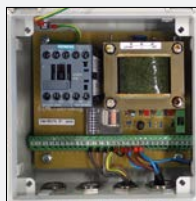
**Siiman** is a Safety Intelligent MANager system for hydraulic monitoring and control of the SHPU HPP. It is integrated in the K-SI electrical unit. It can be also integrated directly in the customer control enclosure.

## ELECTRICAL UNIT OPTIONS



|      |                   |
|------|-------------------|
| K-TB | Terminal Box      |
| -1   | 10 inputs/outputs |
| -2   | 20 inputs/outputs |

SHPU 1 - 2 - 3



|      |                       |
|------|-----------------------|
| K-BA | Basic Electrical Unit |
|------|-----------------------|

SHPU 1 - 2



|      |                         |
|------|-------------------------|
| K-PR | Premium Electrical Unit |
|------|-------------------------|

SHPU 2 - 3



|      |                             |
|------|-----------------------------|
| K-SI | Electrical Unit with Siiman |
|------|-----------------------------|

SHPU 1 - 2 - 3

Non contractual photographs