



EXTRUSION  
ISO 9001:2008 



**ABI-125 LK1414-DS**  
**FK/ABI-150 LK1422-DS**

## **BLOW MOULDING MACHINE** **DUAL ACCUMULATOR HEAD TYPE**

*Specially designed for making various size of light weight but long articles, like toys, air duct or flower pots and etc.*



**Extrusion Excellence**

A tailor made machine to meet specific requirement, and completed with various processing functions, such as pre blow, needle blow, parison stretch pin device, pinch off device and robot arm to move out the finished products from the clamp area to avoid any manual operation to step into machine working area as a total automation.

## Standard Attachments

- Extruder height adjustable by motor.
- Grooved feed extruder for ultra high molecular weight HDPE or polypropylene.
- Melt pressure and temperature gauge.
- Proportional directional valve for carriage move and platen opening / closing.

## Optional Attachments

- Safety fence made of aluminum frame or metal grid with interlock device for electric / hydraulic / pneumatic system.
- Air compressor, water chiller, crusher and mold / tooling.
- Hydraulic screen changer for 100% regrind material

## Technical Data

| Model | Unit | FK/ABI-100G | FK/ABI-125G | FK/ABI-150G |
|-------|------|-------------|-------------|-------------|
|-------|------|-------------|-------------|-------------|

**Extrusion : Single extruder for dual head, or, one extruder for one head**

|                         |         |     |           |           |
|-------------------------|---------|-----|-----------|-----------|
| Screw Diameter          | mm      | 100 | 125       | 150       |
| Screw L/D               |         | 30  | 30        | 30        |
| Main Drive              | HP      | 125 | 200       | 300       |
| Extrusion Capacity      | kg / hr | 280 | 380 - 450 | 600 - 750 |
| Barrel Cooling          | HP      | 1/2 | 1         | 1         |
| Heating Zone            |         | 5   | 5         | 6         |
| Barrel Heating Capacity | kW      | 32  | 50        | 71        |

**Dual head Accumulator head: four spiral flow channel**

|                        |          |               |               |               |              |                |
|------------------------|----------|---------------|---------------|---------------|--------------|----------------|
| Center Pitch           | mm/in    | 610 (24)      | 610 (24)      | 533.4 (21)    | 914.4 (36)   | 1066.8 (42)    |
| Accumulator Capacity   | Liter/Kg | 2 x (3 / 2.1) | 2 x (6 / 4.2) | 2 x (6 / 4.2) | 2 x (10 / 7) | 2 x (12 / 8.4) |
| Heating Zone           |          | 2 x 5         | 2 x 5         | 2 x 5         | 2 x 5        | 2 x 5          |
| Heating Capacity       | kW       | 2 x 24        | 2 x 29        | 2 x 41.2      | 2 x 50       | 2 x 54.4       |
| Die Lip Diameter (Max) | mm       | 190           | 250           | 250           | 400          | 310            |

One size provided as standard within above range

**Clamping unit: Tie-barless & free access for mold in/out**

|                      |     |            |            |            |            |            |
|----------------------|-----|------------|------------|------------|------------|------------|
| Series               |     | LK1213     | LK1413     | LK1622     | LK1414     | LK1422     |
| Clamping Force       | ton | 55         | 55         | 150        | 150        | 150        |
| Clamping Distance    | mm  | 380 - 1380 | 380 - 1380 | 380 - 1380 | 600 - 2000 | 600 - 2000 |
| Mold Platen (Height) | mm  | 1200       | 1400       | 1600       | 1400       | 1400       |
| Mold Platen (Width)  | mm  | 1300       | 1300       | 2200       | 1470       | 2200       |

**Hydraulic unit: High & low pressure circuit with nitrogen accumulator for energy saving**

|                           |                    |              |              |              |              |              |
|---------------------------|--------------------|--------------|--------------|--------------|--------------|--------------|
| Pump Drive                | HP                 | 25 + 20 / 10 | 25 + 25 / 10 | 25 + 25 / 10 | 25 + 25 / 10 | 30 + 25 / 10 |
| Clamping Pressure (Max.)  | kg/cm <sup>2</sup> | 160          | 160          | 160          | 160          | 160          |
| Injection Pressure (Max.) | kg/cm <sup>2</sup> | 180          | 180          | 180          | 180          | 180          |

### Utilities

|                           |                    |                  |                  |                   |                 |                   |
|---------------------------|--------------------|------------------|------------------|-------------------|-----------------|-------------------|
| Air Consumption           | m <sup>3</sup> /hr | 120 - 180        | 120 - 180        | 150 - 250         | 150 - 250       | 150 - 250         |
| Air Pressure              | Kg/cm <sup>2</sup> | 6 - 8            | 6 - 8            | 6 - 8             | 6 - 8           | 6 - 8             |
| Total Power Consumption   | kW                 | 250              | 315              | 357               | 644             | 783               |
| Average Consumption       | kW/hr              | 100              | 126              | 143               | 258             | 313               |
| Space for Machine (LxWxH) | m                  | 10.1 x 8.4 x 4.7 | 10.1 x 8.5 x 4.9 | 11.3 x 10.5 x 5.4 | 11.5 x 10.2 x 5 | 15.5 x 11.5 x 5.6 |

■ All specifications, design and characteristics shown above are subject to change without prior notice.



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