

AIDA UL-ti-mate Precision Forming Press **UL Series**

■ UL-1600~UL-3000

| Model | UL-1600(1) -120-75 | UL-1600(1) -120-75 | UL-2000(1) -120-80 | UL-2000(1) -155-83 | UL-2500(1) -155-83 | UL-2500(1) -185-90 | UL-3000(1) -185-90 | UL-3000(1) -200-90 |
|--|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Tonnage Capacity (kN) | 1600 | | 2000 | | 2500 | | 3000 | |
| Rated tonnage point (mm) | 5 | | 6.5 | | 6.5 | | 6.5 | |
| Continuous working energy (kJ) | 6 at 70spm | 7 at 60spm | 9 at 60spm | 12 at 40spm | 9 at 60spm | 12 at 40spm | 13 at 60spm | 17 at 40spm |
| Stroke length (mm) | 100 | 150 | 120 | 200 | 120 | 200 | 120 | 200 |
| Strokes per minute under no load (spm) | 70~120 | 60~100 | 60~110 | 40~80 | 60~110 | 40~80 | 60~110 | 40~80 |
| Micro inching (spm) | approx. 10 | | approx. 10 | | approx. 10 | | approx. 10 | |
| Die height (spm) | 350 | 400 | 450 | | 450 | | 550 | |
| Slide adjustment (mm) | 100 | | 100 | | 100 | | 100 | |
| Slide area (L.R.xF.B.) (mm) | 1200×750 | | 1200×800 | 1550×830 | 1550×830 | 1850×900 | 1850×900 | 2000×900 |
| Bolster area (L.R.xF.B.) (mm) | 1200×750 | | 1200×800 | 1550×950 | 1550×950 | 1850×950 | 1850×950 | 2000×1000 |
| Bolster thickness (mm) | 150 | | 150 | | 150 | | 150 | |
| Bolster top face height above floor (mm) | 950 | | 1000 | | 1050 | | 1100 | 1200 |
| Max. upper die weight (t) | 0.8 | | 1 | | 1.2 | | 1.5 | |
| Side opening (mm) | 520 | | 540 | | 570 | | 600 | |
| Main motor (kW) | INV 15 | | INV 22 | | INV 22 | | INV 30 | |
| Power source (V/Hz) | 200V/50 or 60Hz | | 200V/50 or 60Hz | | 200V/50 or 60Hz | | 200V/50 or 60Hz | |
| Control circuit voltage (V/Hz) | DC24V · 100V/50 or 60Hz | | DC24V · 100V/50 or 60Hz | | DC24V · 100V-50 or 60Hz | | DC24V · 100V/50 or 60Hz | |
| Required air pressure (MPa) | 0.5 | | 0.5 | | 0.5 | | 0.5 | |
| Ambient temperature (°C) | 5~40 | | 5~40 | | 5~40 | | 5~40 | |
| Overall height above floor (mm) | 3100 | 3300 | 3600 | 3700 | 3670 | 3850 | 4050 | 4250 |
| Press weight (t) | 27 | 28 | 30 | 33 | 38 | 40 | 50 | 53 |

■ UL-4000~UL-6000

| Model | UL-4000(1) -185-90 | UL-4000(1) -200-90 | UL-5000(1) -185-95 | UL-5000(1) -200-95 | UL-6000(1) -185-100 | UL-6000(1) -200-100 |
|--|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|------------------------|
| Tonnage Capacity (kN) | 4000 | | 5000 | | 6000 | |
| Rated tonnage point (mm) | 6.5 | | 6.5 | | 10 | |
| Continuous working energy (kJ) | 24 at 30spm | 28 at 30spm | 30 at 30spm | 34 at 30spm | 47 at 30spm | 53 at 30spm |
| Stroke length (mm) | 200 | 250 | 200 | 250 | 200 | 250 |
| Strokes per minute under no load (spm) | 30~80 | 30~70 | 30~80 | 30~70 | 30~80 | 30~70 |
| Micro inching (spm) | approx. 10 | | approx. 10 | | approx. 10 | |
| Die height (spm) | 650 | 700 | 650 | 700 | 700 | |
| Slide adjustment (mm) | 100 | | 100 | | 100 | |
| Slide area (L.R.xF.B.) (mm) | 1850×900 | 2000×900 | 1850×950 | 2000×950 | 1850×1000 | 2000×1000 |
| Bolster area (L.R.xF.B.) (mm) | 1850×1000 | 2000×1000 | 1850×1050 | 2000×1050 | 1850×1000 | 2000×1000 |
| Bolster thickness (mm) | 150 | | 150 | | 180 | |
| Bolster top face height above floor (mm) | 850/with pit | | 850/with pit | | 850/with pit | |
| Max. upper die weight (t) | 1.5 | 2 | 2 | 2.5 | 2.5 | 2.5 |
| Side opening (mm) | 660 | | 750 | | 800 | |
| Main motor (kW) | INV 45 | | INV 55 | | 90 SCR | |
| Power source (V/Hz) | 200V/50 or 60Hz | | 200V/50 or 60Hz | | 400V/50 or 60Hz | |
| Control circuit voltage (V/Hz) | DC24V · 100V/50 or 60Hz | | DC24V · 100V/50 or 60Hz | | DC24V · 100V/50 or 60Hz | |
| Required air pressure (MPa) | 0.5 | | 0.5 | | 0.5 | |
| Ambient temperature (°C) | 5~40 | | 5~40 | | 5~40 | |
| Overall height above floor (mm) | 4050 | 4150 | 4350 | 4450 | 4500 | 4650 |
| Press weight (t) | 58 | 62 | 74 | 80 | 83 | 88 |

■ Standard equipment

- Stepless variable speed drive unit
- Automatic die height adjusting device
- Automatic intermittent lubrication device
- Pneumatic operation panel on left frame
- Press control panel on press or independent
- Press speedometer(digital indication)
- Continuous stop button(2 pcs.)
- Camshaft breakage detector
- Programmable logic controller
- Reversing device
- Guards · front : manual lifting type
· rear : manual swing type
- Air outlet(3/8B x 1)
- Main operation panel on right frame
- Main motor ammeter(digital indication)
- Main timing switch with 2 spares
- Buzzer & buzzer button(1 pc.)
- Receptacle and plug for operation stand
- Micro inching
- Load monitor(digital indication)
- Air ejector(3/8B x 1)
- Operation display device(display)
- Preset counter(display : 3 pcs.)
- Preset point stop device
- Die room lighting(strong lights: 2 pcs.)
- Receptacle & plug(100V : 2pcs., 200V x 1 pc.)
- Flywheel brake
- Forced recirculating lubrication device
- Pressure switch
- Instruction manual(2 copies)
- Crank angle indicator(digital indication)
- Emergency stop button(lock type, 5 pcs.)
- Operation stand with 3 meter long cable

* Please consult with Aida for options and equipment.

* The specifications, appearance and equipment are subject for change for improvement purposes without prior notice.



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