

TECHNICAL DATA SHEET

BATLIFT - FORKLIFT/CRANE VACUUM LIFTER

MODEL: QFC1KB



DESCRIPTION

The Batlift QFC1KB is a versatile forklift and crane-mounted vacuum lifter designed for the safe handling of steel plates up to 3000 x 1500 mm and 3-25 mm thick, with a maximum lifting capacity of 1000 kg. With both fork pockets and a crane shackle point, this dual-mounting system offers flexibility across multiple lifting applications without the need for external power or reeling drums.

FEATURES

- ❑ Manually operated 3-way control valve on control arm (optional radio control available)
- ❑ Two heavy-duty VK40/40 suction pads (250 kg SWL each) with 15° swivel mounts
- ❑ Quick-release pin allows pads to be removed from the main beam
- ❑ On-board 88Ah battery with external 240V or 110V 3-stage smart charger
- ❑ Automatic pump cut-off at maximum vacuum to prolong battery life
- ❑ 100 mm vacuum gauge for at-a-glance pressure monitoring
- ❑ Dual mounting: 2 x fork pockets (600 mm centres) with threaded lock pins, plus crane lift shackle



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SAFETY

- ☒ Minimum 2:1 safety factor maintained at all times (1000 kg system exerts 2000 kg+ clamping force)
- ☒ Continuous audio-visual status indication: green confirmation lamp, warning siren, and red xenon flash
- ☒ Load remains secure until vacuum drops below 20%
- ☒ Minimum 20-minute hang-on time in the event of power failure (up to 7 days powered)
- ☒ Every unit factory-tested with concrete to twice the rated lifting capacity
- ☒ Inherently safe design – will not pick up sheets unless initial sealing criteria are met

LOW MAINTENANCE

- ☒ Replaceable pad seals last 12+ months in standard applications and can be changed in minutes
- ☒ Advanced DC vacuum pump requires minimal servicing
- ☒ No installation or external connections required – easily interchangeable between forklifts

OPTIONAL EXTRAS

- ☒ Radio control system for remote operation, including spare transmitter and double solenoid valve

SPECIFICATIONS

| SPECIFICATION | DETAIL |
|----------------------------|--|
| Model | Batlift QFC1KB |
| Maximum Lifting Capacity | 1000 kg |
| Safety Factor | Minimum 2:1 |
| Dead Weight | 185 kg |
| Vacuum Pump | DDVLCX2 DC Vacuum Pump |
| Electric Motor | 12V DC / 4Ah |
| Power Supply | On-board 88Ah battery |
| Battery Charger | External 240V or 110V 3-stage smart charger with condition meter |
| Control System | Manual 3-way valve on control arm (optional radio control) |
| Suction Pads | 2 x VK40/40 heavy duty (SWL 250 kg each) |
| Pad Mounting | Swivel mounts with 15° angle, quick-release pin |
| Pad Seal | 40 x 25 mm replaceable rubber seal |
| Safety Alarms | Warning siren, red xenon flash, green vacuum OK lamp |
| Vacuum Gauge | 100 mm |
| Power Failure Hang-On Time | Minimum 20 minutes (up to 7 days powered) |
| Auto Cut-Off | Yes – at maximum vacuum |
| Mounting Options | Forklift (fork pockets) or crane (lift shackle) |

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DIMENSIONS

| COMPONENT | DIMENSION | MEASUREMENT |
|------------------------|---------------------------|------------------------|
| Maximum Plate Size | Length x Width | 3000 x 1500 mm |
| Plate Thickness Range | Min - Max | 3 - 25 mm |
| Pad Suspension Beam | Length | 1800 mm |
| Suction Pads (VK40/40) | Length x Width | 400 x 400 mm |
| Pad Seal Profile | Width x Height | 40 x 25 mm |
| Fork Pockets | Length / Centre-to-Centre | 600 mm / 600 mm c-to-c |
| Dead Weight | Total Unit Weight | 185 kg |

CERTIFICATION

Manufactured strictly in accordance with the following standards:

| STANDARD | DESCRIPTION |
|-------------|---|
| AS4991 | Lifting Devices |
| 2006/42/EC | EU Machinery Directive |
| 95/15/EC | Lifts Directive |
| 2006/95/EC | Low Voltage Directive |
| 2004/108/EC | Electromagnetic Compatibility Directive (EMC) |

