CLS-420 Wired Version Cargo Lift Scale



APPROVALS



STANDARD FEATURES

Scale Carriage

- · Compatible with Class II or III forklift carriage types
- New industry standard out of level NTEP tolerance at 7 degrees pitch and roll, 3 degrees side to side
- 11/2 in thick front and back painted steel plates coupled by four flexures
- · Top cleats are welded, pinned and bolt
- · Welded centering pin
- 6 in x 20 3/4 in viewing portal allows driver a clear view of forks
- Mechanical overload stops
- Two 5,000 pound S-Beam load cells
- ABS plastic two channel iQUBE[™] j-box with inclinometer completely protected by front plate
- Cal-Match[™] algorithm automatically trims the scale with only a 3-Point calibration

420 Plus Indicator

- · Six digit, 0.8 in red LED display
- · Full numeric keypad for manual tare entry
- Accumulate weight function using the print key for multiple pallet loading
- Front panel calibration
- RS-232 port transmits time, date and weight for interface to PC or 10-60 VDC power supply for use on propane and electric forklifts
- · Stainless steel enclosure
- · Two piece top cage indicator mounting assembly with vibration mounts

Optional Field Installed Zigbee™ Wireless

- · Eliminates coiled cable from i-box to indicator
- · Reinforced battery box welded onto cover plate to withstand harsh forklift environment
- . On/Off switch to conserve battery life, with green LED
- Zigbee[™] connection from scale to indicator
- . Battery life, minimum 24 hours constant use with only 8 hours to fully charge
- · Includes two lithium ion smart batteries and changer

Factory Recommendations

- · Rice Lake recommends using Zebra RW 220 or RW 420 portable thermal printer
- · When installing a forklift scale on an electric forklift, static discharge protection must be installed on the forklift
- When installing a forklift scale, OSHA requires the end user to de-rate the lift capacity of the forklift
- Compatible with most Class II and Class III forklift attachments, consult factory
- · Power conditioner installed when used on electric forklift scales

SPECIFICATIONS

Scale Capacity:

Class II: 5,000 lb x 5 lb NTEP approved 5,000 lb x 1 lb non type approved Class III: 8,000 lb x 5 lb non type approved

Scale Power:

Supplied by indicator through coiled interface cable

Scale Material/Finish:

Painted Mild Steel

420 Plus Display:

0.8 in (20 mm), 6-digit Super Red Light Emitting Diode (LED), 7-segment digits

420 Power - DC:

Line voltages: 10-60VDC DC input Power consumption: 0.75A Max Fused at 5.0A

420 Status Annunciators:

Designators for: center of zero, stand still, gross, net, lb, kg, tare

420 Operating Temperature:

Legal: 14°F to 104°F (-10°C to 40°C) Industrial: 14°F to 122°F (-10°C to 50°C)

Warranty:

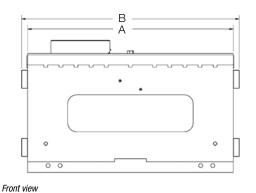
Two-year limited warranty

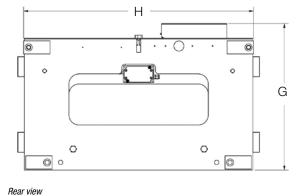
Approval:

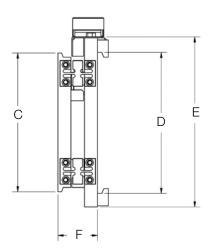
NTEP CC 06-074 (5,000 lb only) per H-44 at 1,000 divisions



CLS-420 Wired Version Cargo Lift Scale







| CLS | CLS DIMENSIONS | | | | |
|------|---------------------|---|---------------------|--|--|
| 28 i | 28 in, 5000 lb | | | | |
| Α | 28 in (711.2 mm) | E | 19.50 in (495.3 mm) | | |
| В | 30 in (762.2 mm) | F | 4.49 in (114 mm) | | |
| С | 16 in (406.4 mm) | G | 21.80 in (553.7 mm) | | |
| D | 16.29 in (413.8 mm) | Н | 28.24 in (717.3 mm) | | |
| 34 i | 34 in, 5000 lb | | | | |
| Α | 34 in (863.6 mm) | E | 19.50 in (495.3 mm) | | |
| В | 36 in (914.4 mm) | F | 4.49 in (114 mm) | | |
| С | 16 in (406.4 mm) | G | 21.80 in (553.7 mm) | | |
| D | 16.29 in (413.8 mm) | Н | 34.24 in (869.7 mm) | | |
| 38 i | 38 in, 8000 lb | | | | |
| Α | 38 in (965.2 mm) | E | 24.50 in (622.3 mm) | | |
| В | 40 in (622.3 mm) | F | 6.04 in (153.4 mm) | | |
| С | 20 in (508 mm) | G | 26.68 in (677.7 mm) | | |

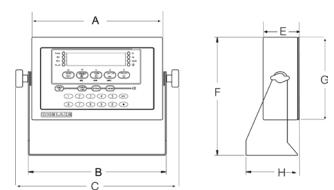
Н

38 in (965.2 mm)

20.15 in (511.8 mm)

Side view

420 Plus Side view



| 420 PLUS DIMENSIONS | | | | |
|---------------------|-------------------|---|------------------|--|
| Α | 9.50 in (24 mm) | F | 8.57 in (217 mm) | |
| В | 10.02 in (254 mm) | G | 6.00 in (152 mm) | |
| С | 11.80 in (299 mm) | Н | 3.25 in (82 mm) | |
| Е | 3.12 in (79 mm) | | 3.0 in (76.2 mm) | |

CLS-420 Wired Version Cargo Lift Scale

PART NUMBER/PRICE

| PART # | SIZE, CAPACITY | FORKLIFT COMPATIBILITY | WEIGHT | PRICE | | | |
|--------------------|---------------------------------------|--|--------|---------|--|--|--|
| CLS Forklif | CLS Forklift Scale, 420 Wired Version | | | | | | |
| 111033 | 5,000 x 5 lb NTEP approved | 28 in W, Class II 16 in forklift carriage (30 in W with flexures) | 524 lb | Consult | | | |
| 130822 | 5,000 x 5 lb NTEP approved | 34 in W, Class II 16 in forklift carriage (36 in W with flexures) | 539 lb | Consult | | | |
| 111038* | 8,000 x 5 lb Non Legal for Trade | 38 in W, Class III 20 in forklift carriage (40 in W with flexures) | 1144lb | Consult | | | |
| *Non-NTEP | | | | | | | |

OPTIONS/ACCESSORIES

| PART # | DESCRIPTION | PRICE |
|----------|---|---------|
| 112986 | Wireless LAN card 802.11 B/G, requires factory installation | Consult |
| | Bluetooth module, factory installed | Consult |
| 98289 | Wireless indicator j-box (upgrade wired to wireless) | Consult |
| 152479 | Zigbee™ wireless battery box (upgrade wired to wireless), 28 in | Consult |
| 126534 | Zigbee wireless battery box (upgrade wired to wireless), 34 in | Consult |
| 131864 | Zigbee wireless battery box (upgrade wired to wireless), 38 in | Consult |
| Replacen | nent Parts | |
| 96196 | Custom load cell box wrench | Consult |
| 98413 | CLS 420i replacement indicator | Consult |
| 96252 | Coiled cable (j-box to indicator), black | Consult |
| 96915 | Power cable assembly with power fuse cable | Consult |
| 130129 | Power fuse cable assembly | Consult |
| 96198 | RL 20000 FLS load cell 5K 1.5 mv/v 350 ohm (for use with 121014) | Consult |
| 121014 | iQUBE™ J-box assembly, (for use with 96198), Class II | Consult |
| 121366 | iQUBE J-box assembly, (for use with 96198), Class III | Consult |
| 125543 | RL20000 FLS load cell 5K 1.5 mv/v 350 ohm (for use with 130826) with automotive quick disconnects | Consult |
| 130826 | iQUBE j-box assembly (for use with 125543), Class II with automotive quick disconnects | Consult |
| 132960 | iQUBE j-box assembly (for use with 125543), Class III with automotive quick disconnects | Consult |
| 96343 | Battery, forklift lithium ion | Consult |
| Manuals | | |
| 96483 | CLS-420 installation manual | Consult |
| 96484 | CLS-420 operator card | Consult |
| | | |

CLS-420 Wireless Version Cargo Lift Scale



APPROVALS



STANDARD FEATURES

Scale Carriage

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- · Mechanical overload stops
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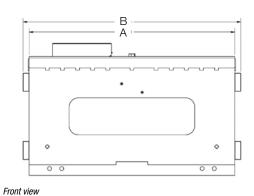
Two-year limited warranty

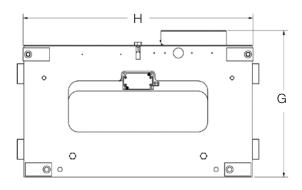
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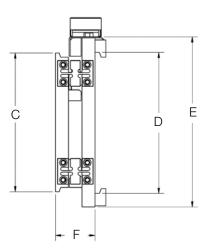


CLS-420 Wireless Version Cargo Lift Scale



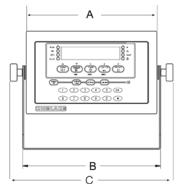


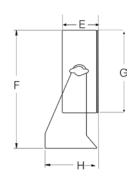
Rear view



Side view

| CLS DIMENSIONS | | | | | |
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| Α | 28 | E | 19.50 | | |
| В | 30 | F | 4.49 | | |
| С | 16 | G | 21.80 | | |
| D | 16.29 | Н | 28.24 | | |
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| Α | 34 | E | 19.50 | | |
| В | 36 | F | 4.49 | | |
| С | 16 | G | 21.80 | | |
| D | 16.29 | Н | 34.24 | | |
| 19.5 | 19.50 in, 8000 lb 4.49 | | | | |
| Α | 38 | E | 24.50 | | |
| В | 40 | F | 6.04 | | |
| С | 20 | G | 26.68 | | |
| D | 20.15 | Н | 38 | | |





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420 Plus Side view

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