

Purpose:

To provide specifications for operation conditions for AL hoist.

| Description | Specification | Notes |
|---|---|---|
| Capacity range | ¼ to 5 ton | |
| Standard lift | 10 ft (3m) | Longer lengths available |
| Maximum length of chain (no chain container) | 492 ft (150m) – ¼ & ½ Ton 246 ft (75m) – 1 Ton* 295 ft (90m) – 3 Ton 147 ft (45m) – 5 Ton* | *1 ton and 5 ton are double fall) |
| Pendant or Cord Length | 4 ft (1.2m) less than lift | Longer lengths available |
| Maximum pendant drop | 30ft (9.1m) | |
| Air filtration | Maximum 15 micron air filter or finer | |
| Air Supply Requirement | 90 PSI (0.6MPa) | 90 PSI is optimal; 75-90 PSI is acceptable range |
| Air Inlet Port | ½" NPT | |
| Air Supply Hose Minimum Size | ½ in. (12.5m)-inner diameter | 16.5mm for hoses longer than 5m (16ft) |
| Duty Cycle | Unlimited | |
| Operating Conditions | +14°F to 104°F (-10°C to 40°C) Humidity 85% or less | ATEX only good to 40°C/104°F, but if not in explosive environment can go up to 70°C/160°F |
| Sound pressure | Small Body = 83 dB(A) Large Body = 79db(A) | |
| Altitude | 6,600 ft (2,000m) | Recommended limit |