

Harrington TCL Lube Free Air Hoists

Environment Friendly Power

Harrington's TCL Series lube free air hoists are able to operate without air supply lubrication which leaves the surrounding environment free of oil mist from the air exhaust. Our TCL series hoists are recommended for use in any area where oil mist cannot be tolerated such as in food, chemical or pharmaceutical industries. These hoists feature precise load positioning with either pendant or cord control.



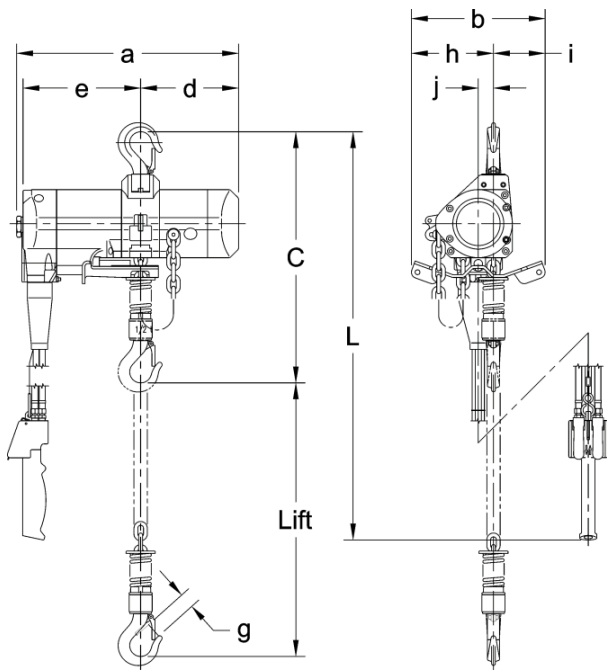
Premium Standard Features

- Lubrication free suitable for applications where a clean environment is a necessity
- Unlimited duty cycle for continuous operation
- Spring-loaded multi-vane motor permits very fine feathering control
- Extremely fast lifting when speed is critical
- Extremely compact and lightweight cast aluminum body for easy operation, transportation and storage
- External speed adjustment screw does not require tools to set specific speeds
- Adjustable lifting and lowering speeds increase production
- Heavy-duty disc motor brake system for reliable load support
- Low noise levels add to operator comfort
- Nickel-plated load chain resists corrosion, abrasion and wear

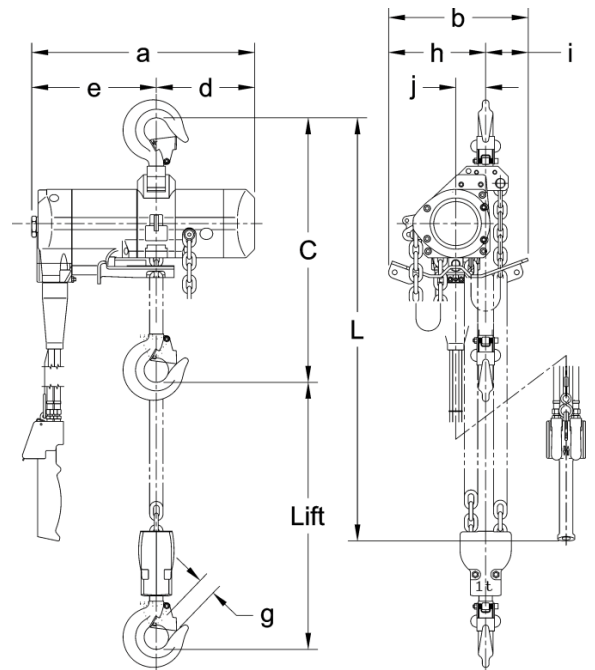
Specifications

- **Capacity Range** – 1/4, 1/2 and 1 Ton
- **Standard Lift** – 10' (longer lifts available)
- **Air Supply Pressure** – 60 – 90 psi
- **Air Filtration Maximum** – 5 micron air filter or finer required
- **Air Inlet Port** – 1/2" NPT
- **Air Supply Hose Minimum Size** – 1/2"
- **Temperature Range** – +14° – 140°F
- **Chain Containers Optional** – canvas or steel

Ask your local sales representative or call our Customer Service staff for friendly and expert advice on models and options.



TCL500P



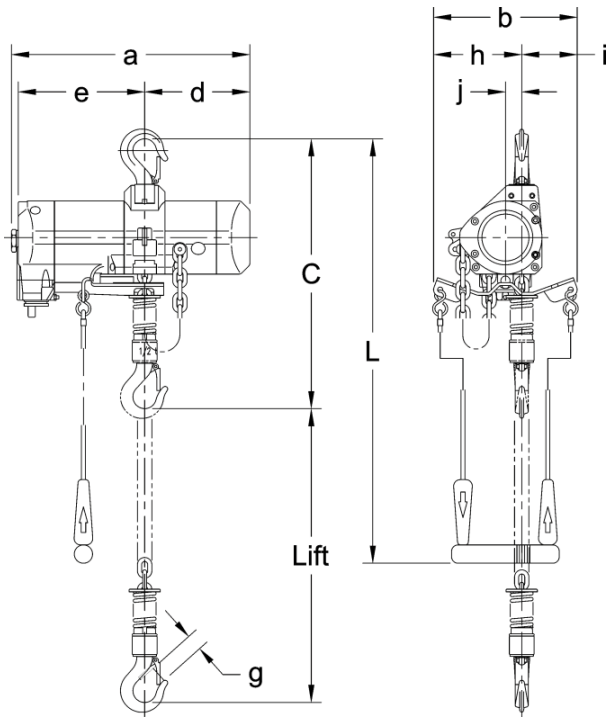
TCL1000P2

PENDANT MODEL — SPECIFICATIONS

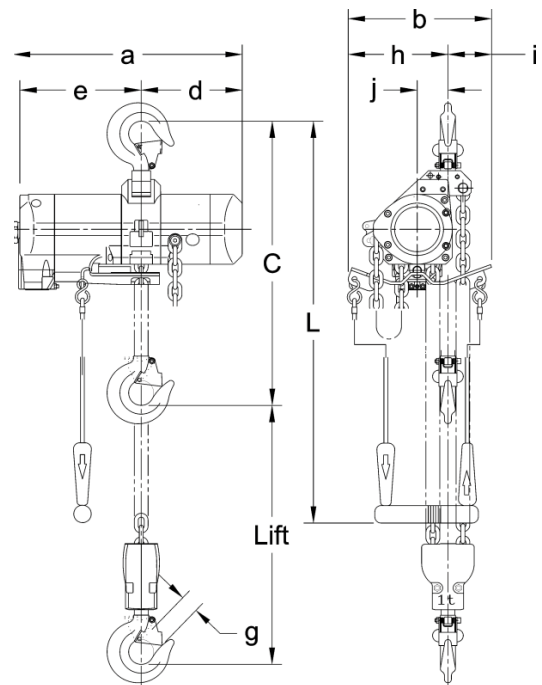
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	TCL250P	10	8.2	151/105	85/144	64/57	57/64	6.3 x 1	46	0.6
1/2	TCL500P	10	8.2	79/53	43/79	64/57	57/64	6.3 x 1	46	0.6
1	TCL1000P2	10	8.2	39/26	21/39	64/57	57/64	6.3 x 2	60	1.2

PENDANT MODEL — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCL250P	16.3	14.4	6.6	6.4	8.0	1.0	4.4	2.2	1.0
1/2	TCL500P	16.3	14.4	6.6	6.4	8.0	1.0	4.4	2.2	1.0
1	TCL1000P2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9



TCL500C



TCL1000C2

CORD MODEL — SPECIFICATIONS

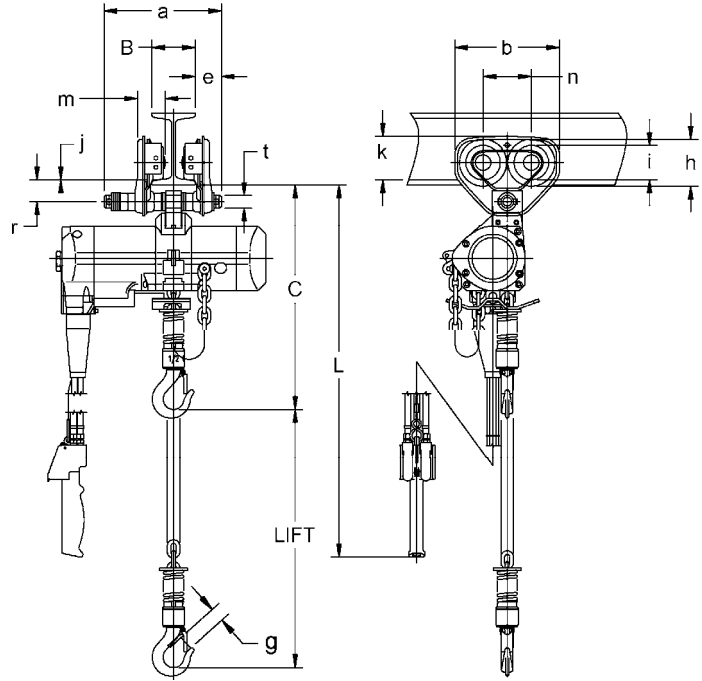
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	TCL250C	10	7.3	151/105	85/144	64/57	57/64	6.3 x 1	44	0.6
1/2	TCL500C	10	7.3	79/53	43/79	64/57	57/64	6.3 x 1	44	0.6
1	TCL1000C2	10	7.3	39/26	21/39	64/57	57/64	6.3 x 2	58	1.2

CORD MODEL — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCL250C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1/2	TCL500C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCL1000C2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9



TCLP500P



TCLP500P

PENDANT MODEL WITH PUSH TROLLEY — SPECIFICATIONS

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load	Standard	Optional				
1/4	TCLP250P	10	8.2	151/105	85/144	64/57	57/64	2.28 to 4.00	4.01 to 8.00 OR 8.01 to 12.00	13.8	6.3 x 1	56	0.6
1/2	TCLP500P	10	8.2	79/53	43/79	64/57	57/64		8.01 to 12.00		6.3 x 1	56	0.6
1	TCLP1000P2	10	8.2	39/26	21/39	64/57	57/64	2.28 to 5.00	5.01 to 8.00 OR 8.01 to 12.00	17.7	6.3 x 2	78	1.2

*Minimum flange width for curved beam 1 Ton Push = 2.87 in.

PENDANT MODEL WITH PUSH TROLLEY — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCLP250P	15.4	8.0	7.2	1.8	1.0	3.2	2.36	0.8	3.0	1.9	3.3	1.5	0.87
1/2	TCLP500P	15.4	8.0	7.2	1.8	1.0	3.2	2.36	0.8	3.0	1.9	3.3	1.5	0.87
1	TCLP1000P2	17.0	9.8	9.3	2.2	1.1	4.2	2.80	1.2	3.7	2.2	4.4	2.0	0.98

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