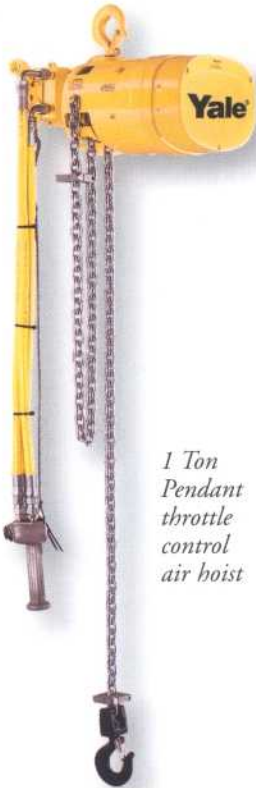


Yale KAL2 Air Hoists



1 Ton
Pendant
throttle
control
air hoist

PENDANT THROTTLE CONTROL

Rated Loads: 1, 2, and 3 Tons

Yale KAL2 Air Hoists are made in single line 1 ton, double line 2 ton and triple line 3 ton models. All units are equipped as standard with pendant throttle control, clutch overload protection, link chain, and hook or lug suspension. Spark and corrosion resistant models are also available.

KAL2 Air Hoists utilize the popular Yale Electric Hoist frame. Practically all mechanical parts used in these air hoists are interchangeable with comparable Yale Electric Hoists. This assures users of a proven performance record of mechanical parts and ease of maintenance. Mechanical load brake offers load control for the most precise spotting capabilities not found in air hoists without a mechanical load brake.

Features

- Aluminum Frame and Cover – lightweight, rugged holding shafts and bearings in close alignment.
- Gearing – combination of precision cut, heat treated helical and spur gears for quiet, efficient operation.
- Mechanical Load Brake – positive action, spring biased Weston type load brake holds the load and provides exacting load spotting and control.
- Overload Protection – the overload device protects against excessive overloads...clutch also acts at upper and lower limits.
- Multi-vane Rotary Air Motor – eight vanes provide high torque, smooth operation, positive starting and excellent control.
- Internal Muffler – reduces sound level.
- Pendant Control – pendant throttle handle is of the full flow design for the finest throttling capabilities.
- Throttle Valve – precision throttle valves meter the air for smooth operation.

BASIC HOIST DATA

Rated Loads: 1, 2, and 3 ton (Spark resistant models are rated at 1/2, 1 and 2 ton).

Air Pressure Recommended: 90 PSI

Air Consumption: 70 SCFM (full load–full speed) slow speed model; 80 SCFM (full load–full speed) fast speed model.

Pendant Control Hose: 6 foot pendant hose standard for 10 foot lift hoist, longer hose assemblies up to 36 foot available.

Lift: 10 foot lifts are standard. Longer lifts are an optional extra.

Net Weight (Basic Hoist): 100 lbs.

Suspension: Hook or lug

Air Inlet Size: 3/4 NPTF

Air Supply Hose Size: 3/4 I.D. min.

HOOK SUSPENSION/CATALOG NUMBERS AND SPECIFICATIONS

Capacity (tons)	Catalog No.	Net Weight (lbs.)	Parts of Load Chain	Full Load Hoist Speed in FPM	Full Load Lowering Speed in FPM
STANDARD MODELS					
1	KALB1-10TH13S1	93	1	13	18
	KALB1-10TH30S1	95		30	42
2	KALB2-10TH6S2	110	2	6	9
	KALB2-10TH15S2	112		15	21
3	KALB3-10TH4S3	144	3	4	6
	KALB3-10TH10S3	146		10	14
SPARK RESISTANT MODELS					
1/2	KALB 1/2-10TH16S1SR	95	1	16	22
1	KALB1-10TH8S2SR	112	2	8	11
2	KALB2-10TH5S3SR	146	3	5	7

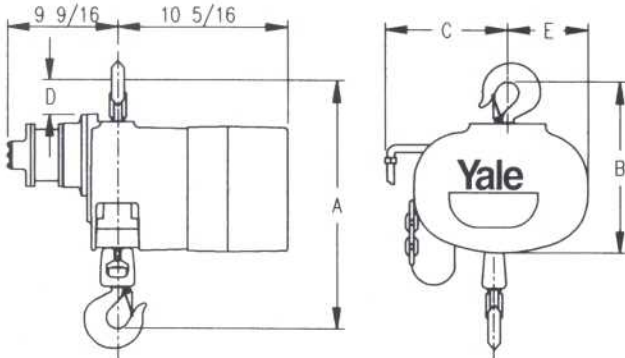
LUG SUSPENSION/CATALOG NUMBERS AND SPECIFICATIONS

Capacity (tons)	Catalog No.	Net Weight (lbs.)	Parts of Load Chain	Full Load Hoist Speed in FPM	Full Load Lowering Speed in FPM
STANDARD MODELS					
1	KALB1-10LG13S1	106	1	13	18
	KALB1-10LG30S1	108		30	42
2	KALB2-10LG6S2	116	2	6	9
	KALB2-10LG15S2	118		15	21
3	KALB3-10LG4S3	164	3	4	6
	KALB3-10LG10S3	166		10	14
SPARK RESISTANT MODELS					
1/2	KALB 1/2-10LG16S1SR	110	1	16	22
1	KALB1-10LG8S2SR	120	2	8	11
2	KALB2-10LG5S3SR	170	3	5	7

Hoist speeds based on 90 PSI line pressure with full load at full throttle.

Yale KAL2 Air Hoists

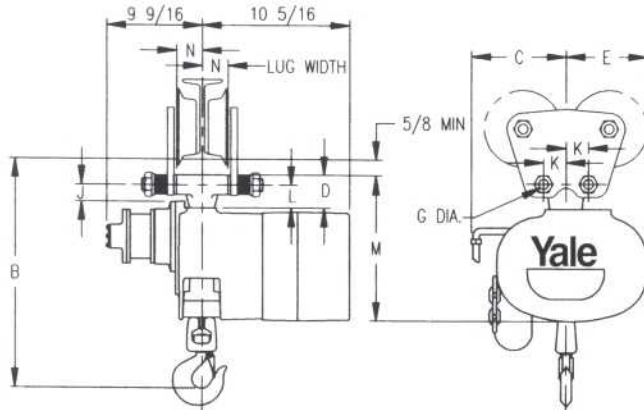
HOOK SUSPENSION



OUTLINE DIMENSIONS (IN)

Catalog No.	A	B	C	D	E
KALB1	16 ⁹ / ₁₆	11 ¹ / ₁₆	6 ³ / ₄	2 ¹¹ / ₁₆	6 ³ / ₁₆
KALB 1/2 SR	16 ³ / ₄				
KALB2	22 ¹ / ₄	12 ¹³ / ₁₆	8 ¹ / ₁₆	4 ⁷ / ₁₆	4 ⁷ / ₈
KALB1SR	22 ⁷ / ₈				
KALB3	24	14 ³ / ₈	5 ¹³ / ₁₆	5 ⁵ / ₈	7 ¹ / ₈
KALB2SR	25 ⁷ / ₈				

LUG SUSPENSION



OUTLINE DIMENSIONS (IN)

Catalog No.	B	C	D	E	J	K	L	M	N	G
KALB1	16 ¹ / ₁₆	6 ³ / ₄	2	6 ³ / ₁₆	7/8	1 ⁹ / ₁₆	1 ⁵ / ₁₆	9 ¹⁵ / ₁₆	1 ¹³ / ₁₆	5/8
KALB 1/2 SR	16 ¹ / ₄									
KALB2	19 ³ / ₄	8 ¹ / ₁₆	2 ¹³ / ₁₆	4 ⁷ / ₈	1 ¹ / ₂	2 ¹ / ₂	1 ¹⁵ / ₁₆	10 ¹¹ / ₁₆	2 ³ / ₁₆	1
KALB1SR	21 ³ / ₈									
KALB3	23 ³ / ₄	5 ¹³ / ₁₆	4 ⁵ / ₈	7 ¹ / ₈	2 ¹⁵ / ₁₆	3	3 ³ / ₈	12 ⁷ / ₈	3	1 ¹ / ₄
KALB2SR	25									

SPARK RESISTANT MODELS

Spark resistant hoists offer greater protection in hazardous environments. Components for spark resistance includes bronze alloy hooks with stainless steel hook latches, lower blocks of stainless steel on single part chain and aluminum on 2 and 3 part chain, chrome nickel non-magnetic stainless steel alloy load chain, bronze limit stop with aluminum limit actuators and modified sprocket and guide. A spark resistant chain container is recommended on 10 foot lift spark resistant hoists and must be furnished on hoists over 10 foot lift. Spark resistant chain containers are stainless steel.

The spark resistant KAL2 air hoists have lower speeds and are derated due to the use of stainless steel load chain. The lower wear life of stainless steel chain limits applications to medium duty service.

When specifying lug suspended spark resistant hoists, care must be taken in the trolley selection to assure that the trolley fits the derated hoist lug. If this is your first purchase, consult the factory for assistance.