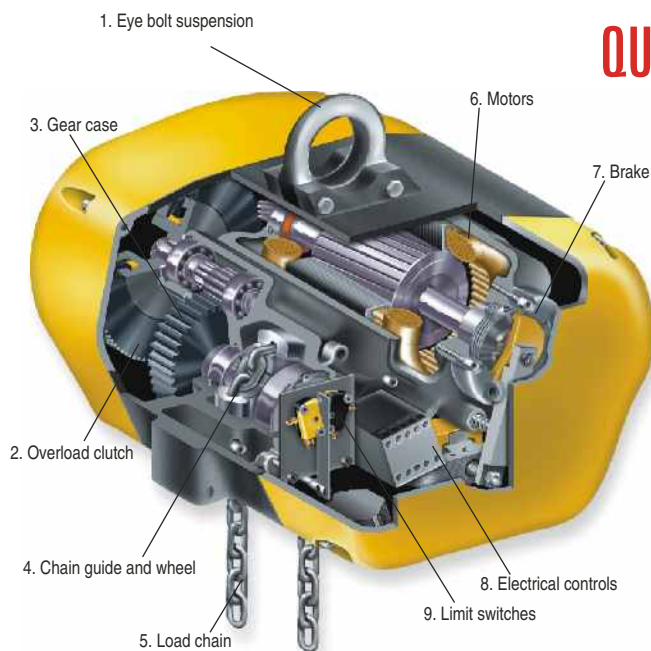


Ingersoll Rand Wadco

QUANTUM SERIES ELECTRIC CHAIN HOIST



Eye bolt and Hook Suspension



Motorized trolley Suspension



Plain trolley with Hook Suspension



1/8-5 metric ton lifting Capacity

Design Features:

- UI and C-UL listed. Complete unit listed number is 5D48
- Meets I-R's interpretation of ANSI B30.16 and pertinent European FEM standards.
- Small compact light weight, high tensile strength, die cast aluminium housing
- NEMA 3R hoist enclosure and NEMA 4X pendant enclosure can be used outdoors.
- Universal tread trolley wheels fit tapered or flat flange beams.
- Hook, eyebolt, push trolley or motorized suspensions
- Safety lugs on all trolleys.
- Anti-tip lugs on motorized trolleys.
- Well balanced, modular design.

Options:

- Trolley brake.
- Chain Container
- Extra Power cord lengths.
- Geared limit.
- Handy Handle.
- 110 Volt controls.
- Inertia type mechanical load brake.
- Pendant with vertical aligned buttons
- Pendant with additional 2 or 4 aligned buttons.
- Bullard top and bottom hooks.
- Inertia type mechanical load brake. This option specifies a bolt-on inertia mechanical load brake. The inertia type brake responds to overspeed of the load. It's similar in function to many safety devices including elevator safety brakes and automotive seat belts of a dual brake is required this option is ideal as it does not reduce duty cycle, from heat created by drag, or require adjustment to compensate for wear.

Base Model	Capacity Kg	Chain falls	Lift spd fpm	Motor hp used	wt(1) kg
Three Phase (dual Speed)					
QCH50-1ND12	125	1	26.5/5	0.3	32
QCH50-1ND25	250	1	26.5/5	0.6	34
QCH50-1HD25	250	1	41.5/6.6	1.2	35
QCH50-1ND50	500	1	30/5	1.4	34
Q100-1HD50	500	1	53/13	2.4	58
Q50-2ND100	1000	2	15/2.5	1.4	42
Q100-1ND100	1000	1	26.5/6.6	2.4	62
Q100-2ND200	2000	2	13/3.5	2.4	81
Q300-1ND200	2000	1	26.5/6.6	4.8	96
Q200-2ND300	3000	2	13/2.5	3.6	109
Q300-2ND400	4000	2	13/3.5	4.8	129
Q500-2ND500	5000	2	10.5/2.5	4.7	129

"Single Phone, Single Speed Hoist also available

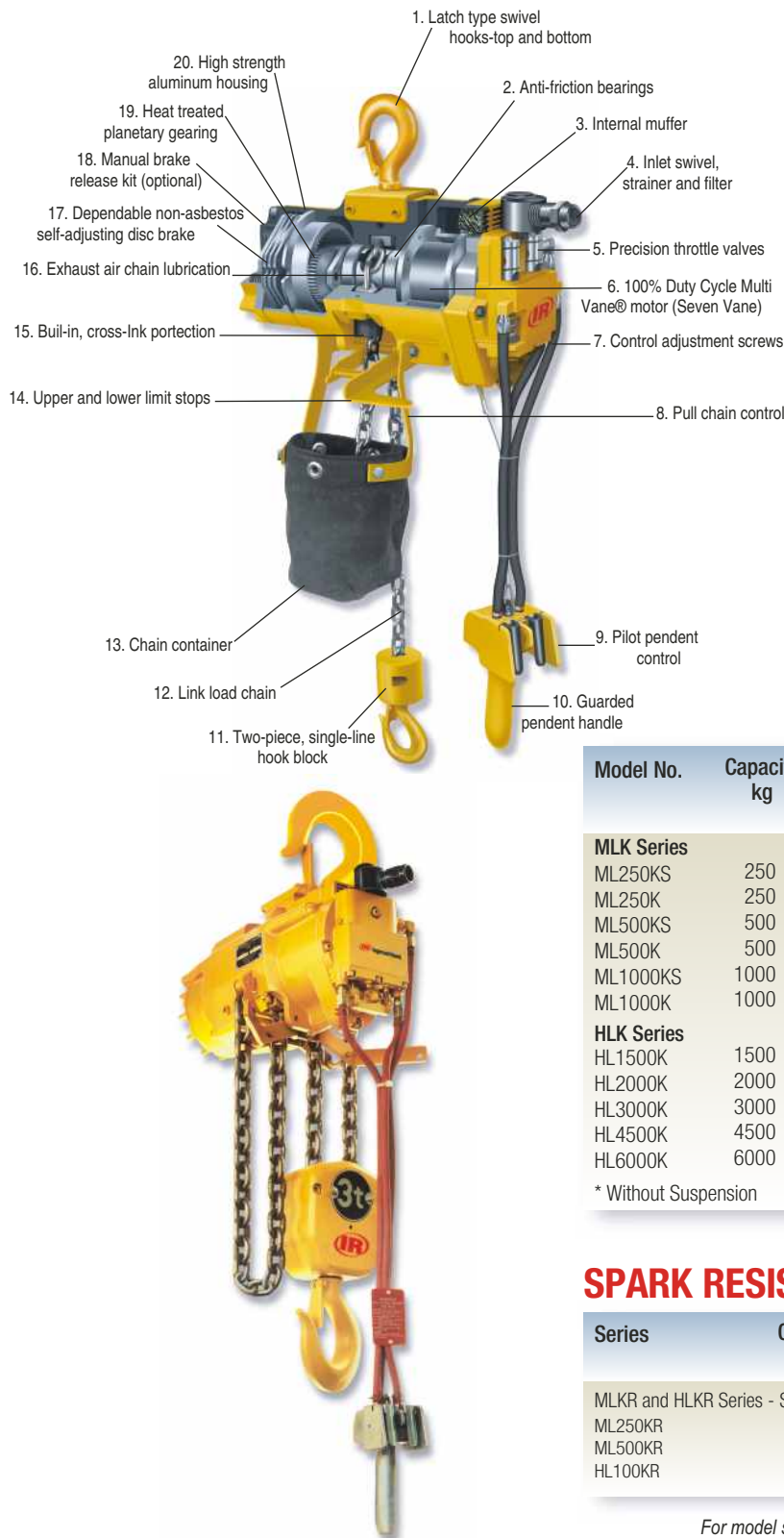
Please replace "S" in place of D for single speed .e.g. QC50-1HD25 will become QC50-1HS25

(1) 10 Feet lift capacity only.

For model selection, please refer last page

Models shown above are a representative selection of our extensive range. Please contact IR Wadco for details on additional models.

MLK & HLK SERIES AIR CHAIN HOIST



Benefits of using an Ingersoll-Rand Ari chain hoist:

- **100% duty cycle.** Air hoist can be operated continuously, as air motors don't heat up!
- **Environment.** dust, dirt, moisture and corrosive gases are kept out of the motor by the air pressure that runs it. This basic fact makes air hoists the first choice in **foundries, electroplating shops,** and other dusty & corrosive environment.
- **No electrical hazard.** As no electricity is used, the freedom from electrical shock and the use of air power in explosive environments are obvious advantages. This is why air hoists are use extensively in flammable environments found in chemical plants, refineries, etc. **Spark resistant models are also available.**
- **Accurate load spotting.** Simple pull chain speed and directional controls provide precise spotting capabilities. Easy to operate pendent air valves provide control signal with adjustable response by variable orifice. For even more precise control MLKS slow models are available.
- **Low maintenance.** Ingersoll-Rand air chain hoists are designed and constructed for trouble-free maintenance. the inherent durability of air power contrasts with the potential problem of electrical systems.

Model No.	Capacity kg	Lifting Speed at Rated Load (fpm)		Lifting Speed at No Load (fpm)		Weight* kg
		up	down	up	down	
MLK Series						
ML250KS	250	40.0	90.0	71.0	53.0	21.8
ML250K	250	101.0	117.0	171.0	99.0	21.8
ML500KS	500	22.0	66.0	44.0	32.0	21.8
ML500K	500	55.0	97.0	106.0	59.0	21.8
ML1000KS	1000	11.0	33.0	22.0	16.0	27.7
ML1000K	1000	28.0	49.0	53.0	30.0	27.7
HLK Series						
HL1500K	1500	16.0	26.0	28.0	16.0	39.0
HL2000K	2000	13.0	18.0	20.0	13.0	56.6
HL3000K	3000	8.0	13.0	14.0	8.0	56.6
HL4500K	4500	4.6	10.0	10.5	6.6	83.5
HL6000K	6000	3.5	7.6	8.4	4.8	106.1

* Without Suspension

SPARK RESISTANT MODELS

Series	Capacity Kg
MLKR and HLKR Series - Spark Resistant Model	
ML250KR	250
ML500KR	500
HL100KR	1000

KS = Slow speed models
Standard-Lift 10 feet
(Extra lift optional)
Standard-Pendent / Pull chain control 6 feet
(Extra length optional)

For model selection, please refer last page

MODEL DRIVER FOR ELECTRIC CHAIN HOISTS

Specify complete model number as shown. This model code includes: Series, Frame Size-Chain falls, Speed, Capacity Suspension Type-Lift-Pendent Drop , Flange Width, Voltage and Options.

Base Model	Suspension Type	Lift (feet)	Pendent Drop (feet)	Flange* Width	Voltage	Options
Q100-2NS200	E = Eye bolt H = Hook P = Plain trolley ("PT" series)	10 = Standard 15 = Standard 20 = Standard XX = Specify length	6 = Standard 11 = Standard 16 = Standard XX = Specify length	— (Eye bolt or Hook mount)	4 = 415/3/50	B = Trolley brake C = Chain container E = External strain relief F = F "XX", specify power cord length(standard is 15 ft on E, H and P, and 3ft on M1-M4 suspension) G = Geared limits H = Handy Handle K = 110 volt control" (For 3 phase models only) L = Inertia type mechanical load brake P = Pendent with vertical aligned buttons P2 = Pendent with 2 extra vertical aligned buttons P4 = Pendent with 4 extra vertical aligned buttons Y = Bullard top hook Z = Bullard bottom hook
M1 —	Motorized trolley (normal speed) (48 fpm)					
M2 —	Motorized trolley (Normal / dual speed) (48/16 fpm)					
M4 —	Motorized trolley (High dual speed) (96/24 fpm)					

Notes: Standard control voltage in 42V. Dual speed and motorized trolleys available in three phase models only.

* For trolley suspension (Plane, Geared, Motorized) Customer to specify the Flange width

MODEL DRIVER FOR AIR CHAIN HOISTS

ML 250K-3HA15-B11U

Series	Link Chain Type	Capacity	Spark Resistant	Control	Suspension*	Lift (ft)	Lower Hook	Length of Pull Chain or Pendent Control Hose (ft)	Options
M	L	250K	—	3	HA	15	B	11	U
M=Series H= Series				0 = No Controls 1 = Pull Chain 2 = Pendent 3 = 2 Mtr. Pendent ⁽¹⁾ 4 = 3 Mtr. Pendent ⁽¹⁾	10 = 10 ft (Std) XX = Specify Length		6 = 6 ft (Std) XX = Specify length	CR = Copper plated Bottom Block M = Manual Brake Release Kit P = Piped Away Exhaust S = Steel Chain Container U = Fabric Chain Container E = Epoxy Paint	
250 K = 250 kg 500 K = 500 kg 1000 K = 1000 kg 1500 K = 1500 kg 2000 K = 2000 kg 3000 K = 3000 kg 4500 K = 4500 kg 6000 K = 6000 kg				A = Fixed Lug B = Bullard hook (Self closing) R = Bronze Snap Hook C = Swivel Top Hook CP = Copper Plated Top Hook HA = Motorized trolley flang width (3.25"-6" inch) HD = Motorized trolley flang width (6"-12")			C = Steel Snap Hook CP = Cooper Plated Lower Hook R = Bronze Snap Hook B = Bullard, Self Closing Hook		
R = Add for Spark Resistant (for 1/4, 1/2t MLKR and 1t HLKR only) S = Add for Slow Speed Spotting (for 1/4, 1/2, 1t MLKS only)									

* For trolley suspension (Plane, Geared, Motorized) Customer has to specify the Flange width

Notes :

- (1) Required with "H" suspension.
- XX=specify hand chain length if other than standard "08" (8 feet) required.
- For solid bronze wheels on non-spark resistant, add "R" to the end of the trolley suspension code.



ISO 9001:2000