

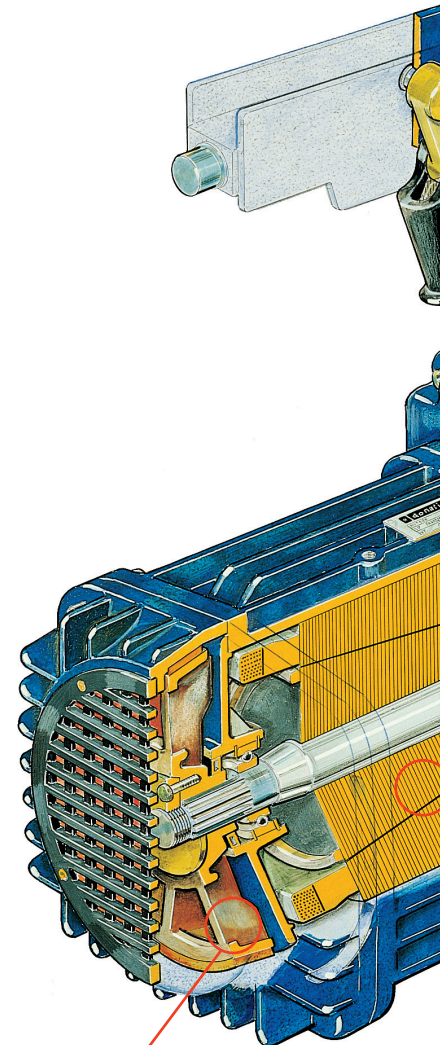
## RH Electric Wire Rope Hoists

Harrington RH wire rope hoists are designed and built for today's heavy-duty wire rope hoist applications including fabricating, die handling, paper mill and production line work. State-of-the-art design features and construction make the RH extremely durable, highly reliable and very low maintenance for years of trouble free service.

The RH includes features that are expensive options on competitive hoists to include standard electromechanical load limiting device, fan-cooled motors and rubber trolley bumpers. Maintenance and failures associated with disc type brakes are eliminated with our revolutionary conical rotor brake system. The sealed hoist electrical enclosure means airborne grit and contamination will not penetrate the hoist to cause premature failure of electrical components. A truly unique wire rope guide prevents improper rope alignment on the grooved drum.

The RH's design is maintenance friendly. Examples are a hinged electrical panel and external upper/lower limit switches to minimize hoist downtime and expense.

**High quality paint** is electrostatically applied for corrosion resistance in harsh environments



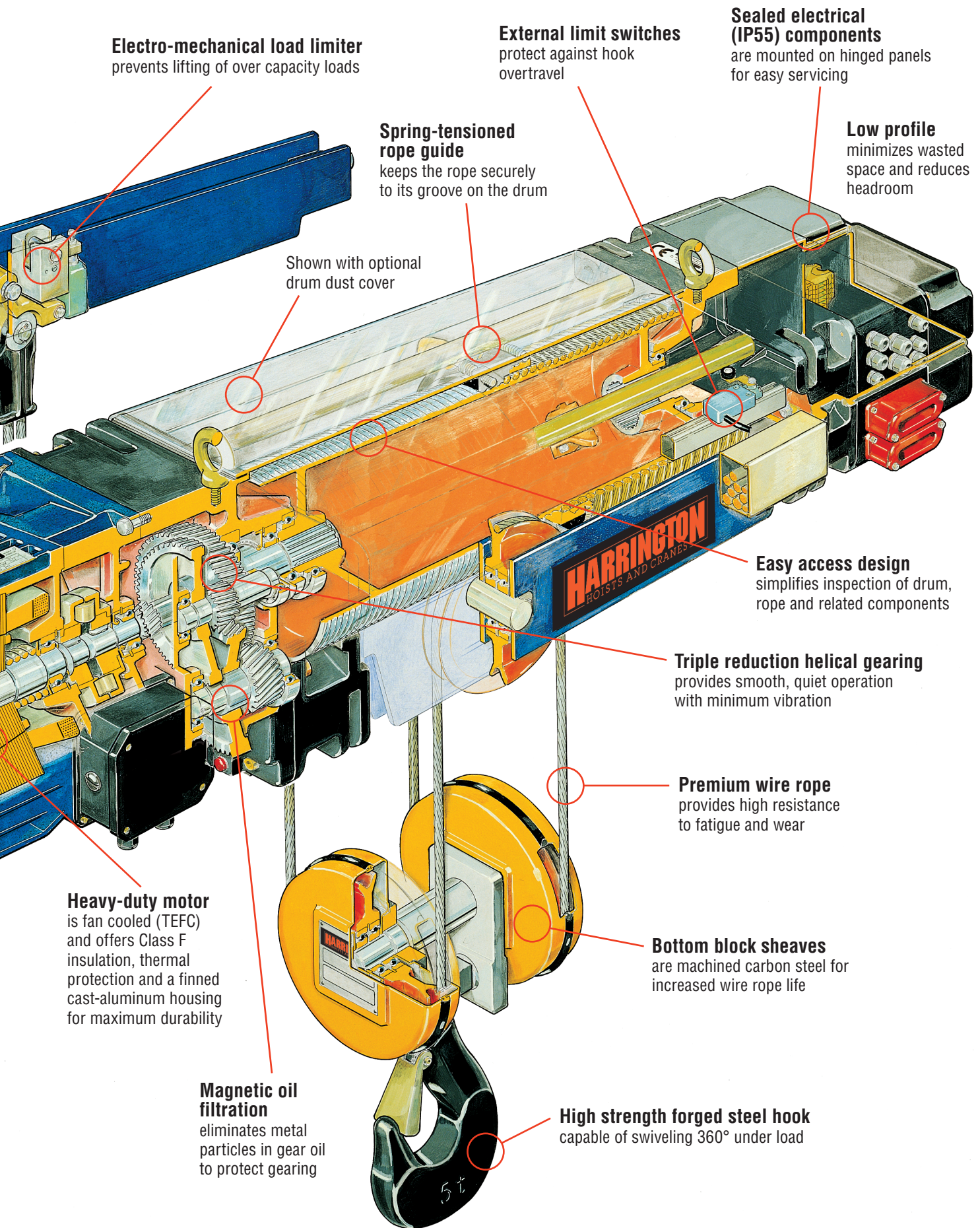
**Conical rotor brake** is fan cooled to ensure long life

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**Electro-mechanical load limiter**  
prevents lifting of over capacity loads

**External limit switches**  
protect against hook  
overtravel

**Sealed electrical  
(IP55) components**  
are mounted on hinged panels  
for easy servicing

**Spring-tensioned  
rope guide**  
keeps the rope securely  
to its groove on the drum

**Low profile**  
minimizes wasted  
space and reduces  
headroom

Shown with optional  
drum dust cover

**Easy access design**  
simplifies inspection of drum,  
rope and related components

**Triple reduction helical gearing**  
provides smooth, quiet operation  
with minimum vibration

**Premium wire rope**  
provides high resistance  
to fatigue and wear

**Bottom block sheaves**  
are machined carbon steel  
for increased wire rope life

**High strength forged steel hook**  
capable of swiveling 360° under load

**Heavy-duty motor**  
is fan cooled (TEFC)  
and offers Class F  
insulation, thermal  
protection and a finned  
cast-aluminum housing  
for maximum durability

**Magnetic oil  
filtration**  
eliminates metal  
particles in gear oil  
to protect gearing

## RH Electric Wire Rope Hoists and Trolleys

### Standard Specifications

Capacities (Tons):	2, 3, 5, 7 1/2, 10, 15, 20
Lift Range (feet):	20' to 105'
Lifting Speeds (ft/min):	16, 24, 32, 48
Dual Lifting Speeds (ft/min):	16/5, 24/8, 32/10, 48/16
Trolley Travel Speeds (ft/min):	40, 64, 80
Dual Trolley Travel Speeds (ft/min):	64/16, 80/20
Supply Voltages:	230-3-60, 460-3-60
Control Voltage:	110VAC
Reeving:	4/1 (four-part single reeved) or 2/1 (two-part single reeved)
Configurations:	<ul style="list-style-type: none"><li>• Deck/base mounted or lug suspended hoists</li><li>• Standard or ultra-low headroom trolley hoists</li></ul>

*Note: Other capacities, speeds, lifts and voltages available — consult factory. Refer to pages 2 and 3 for more detailed standard features.*

### Many Trolley Benefits from More Standard Features

#### Electric Trolley Brake

- Provides positive stopping power and ultimate load control during loading and unloading.

#### Rubber Trolley Bumpers

- Bumpers are standard equipment.
- Bumpers reduce mechanical impact against trolley stops and are required for trolley hoist installation on overhead bridge cranes.

#### Heavy-Duty Trolley Drive

- Fan-cooled TEFC drive motor provides long, trouble-free service.
- IP55-rated, suitable for outdoor service and adds extra protection for indoor applications.
- Helical gear drives in oil bath provides cool, quiet and smooth operation.
- Trolley motor design provides smooth acceleration.

#### Dual-Side Trolley Drive

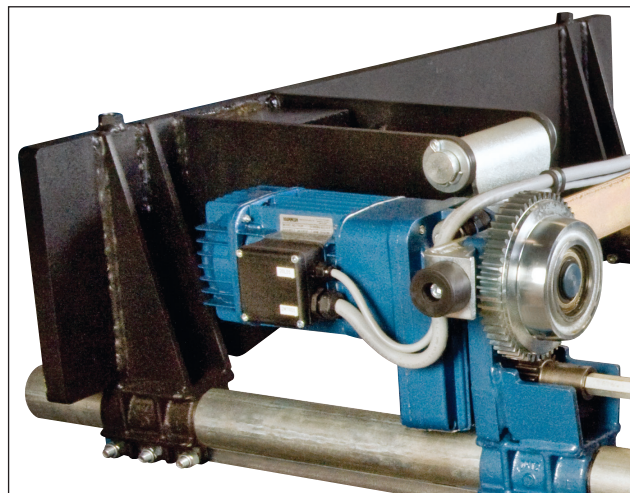
- Two driven wheels offer better traction for improved operator control.
- Driven wheels on opposite sides of the trolley provide smoother operation with less racking and skewing.

#### Extended Wheelbase Design

- Larger wheelbase than competitive units offers more stable travel.
- Provides better load distribution over the beam to reduce beam loading.

#### Dual Tread Wheels With Gear Guards

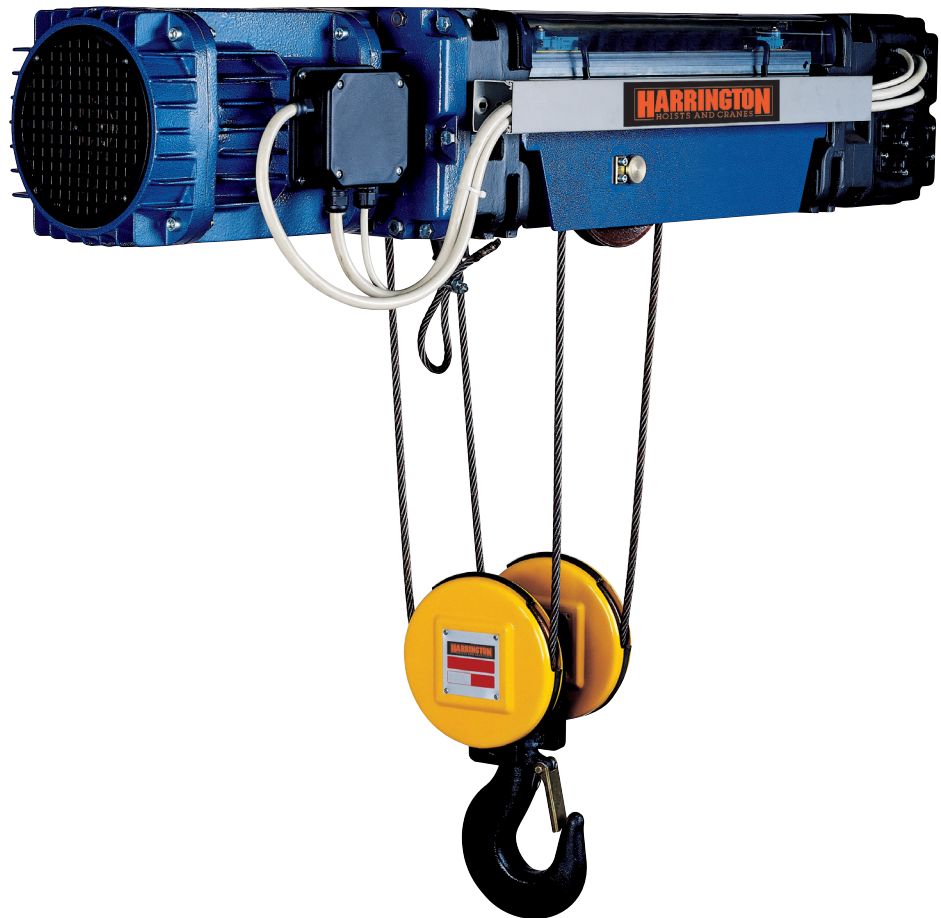
- Flat and tapered tread section is ideal for S or W beams.
- Ensures smooth tracking on wide flange beams common in industry.
- Gear guards protect gear ring and flange, as well as personnel.



## Deck/Base Mounted or Lug Suspended Hoists

For permanent installation or double-girder trolley applications, the Harrington deck/base mounted or lug suspended hoists are ideal for heavy-duty service.

- Modular body construction suitable for all mounting configurations.
- Single-axis or in-line design with motor, gearbox and drum sharing the same axis results in a low-profile, low-headroom hoist.
- For features and standard specifications, refer to pages 2, 3 & 4.
- For detailed specifications and dimensions, refer to Harrington's separate publication entitled "Electric Wire Rope Hoists Technical Manual."



### Options

- Universal eye-bolt kit suitable for all mounting configurations
- Pendant
- Pendant cord
- Power supply cord

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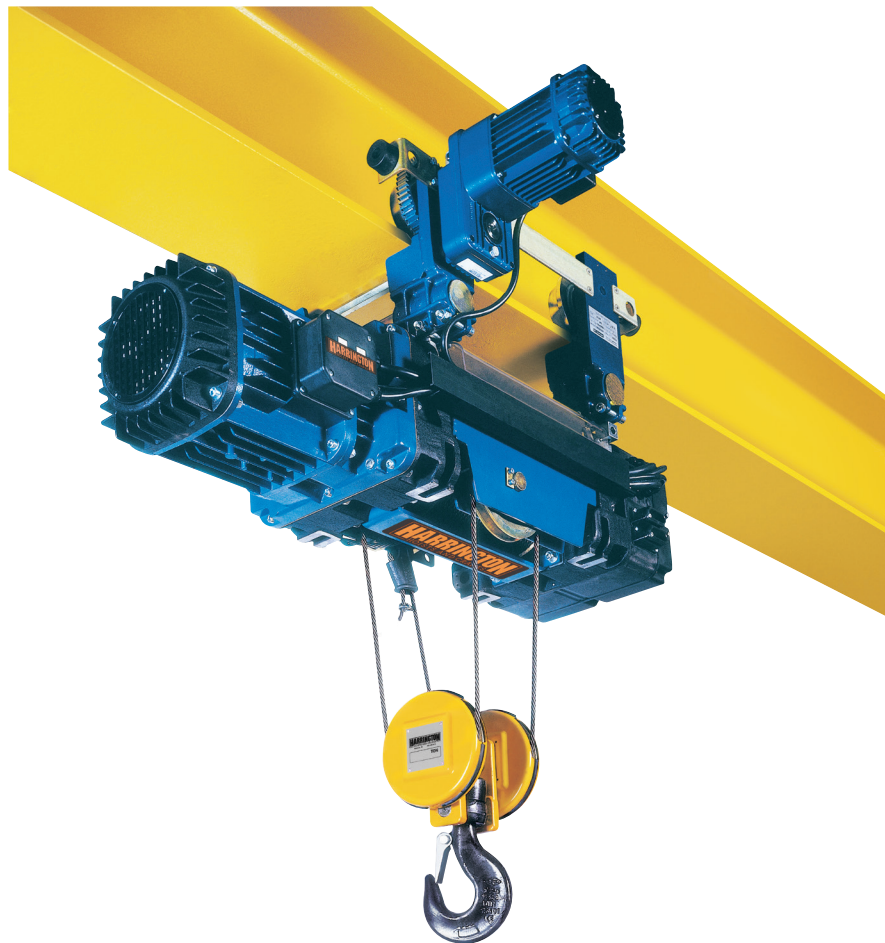
## Standard Headroom Trolley Hoists

For general use on bridge, gantry or jib cranes, as well as monorails, this standard Harrington monorail style trolley hoist combines versatility and performance.

- Available in any combination of single or dual speed models in a variety of speed combinations.
- Hoist oriented parallel to beam.
- For features and standard specifications, refer to pages 2, 3 & 4.
- For detailed specifications and dimensions, refer to Harrington's separate publication entitled "Electric Wire Rope Hoists Technical Manual."

### Options

- Pendant
- Pendant cord
- Power supply cord
- Trolley travel limit switch



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## Ultra-Low Headroom Trolley Hoists

The Harrington Ultra-Low Headroom Trolley Hoist is designed for monorail and crane applications where minimum headroom is essential.

- The hoist body is parallel mounted beside the beam for extremely low headroom.
- A weight is mounted opposite the hoist to balance the unit on the monorail.
- For features and standard specifications, refer to pages 2, 3 & 4.
- For detailed specifications and dimensions, refer to Harrington's separate publication entitled "Electric Wire Rope Hoists Technical Manual."

### Options

- Pendant
- Pendant cord
- Power supply cord
- Trolley travel limit switch



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Deck/Base Mounted or Lug Suspended Hoists Specifications

Capacity (Tons)	Product Code	Lift (ft)	Lifting Speed (ft/min)		Reeving (parts/ reeving)	Rope** (mm- spec.)	Single Speed Motor 3 Phase 60Hz			Dual Speed Motor 3 Phase 60Hz			Net Weight (lbs)						
			Single Speed	Dual Speed			Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)								
								@460V	@230V		@460V	@230V							
2	RH02D-20①4C-②	20	16	16/5	4/1	7-B	4.8	7.7	15.4	4.8/1.6	7.7/6.3	15.4/12.5	331						
	RH02D-29①4C-②	29											375						
	RH02D-20①4D-②	20	24	24/8									331						
	RH02D-29①4D-②	29			375														
	RH02D-39①3A-②	39	32	32/10	2/1	7-A							311						
	RH02D-79①3A-②	79				7-A*							353						
3	RH03D-20①4C-②	20	16	16/5	4/1	7-A	4.8	7.7	15.4	4.8/1.6	7.7/6.3	15.4/12.5	331						
	RH03D-29①4C-②	29											375						
	RH03D-23①4H-②	23	24	24/8									9-B	452					
	RH03D-33①4H-②	33			518														
	RH03D-46①3E-②	46	32	32/10	2/1	9-A							430						
	RH03D-85①3E-②	85				9-A*							474						
	RH05D-23①4G-②	23				16							16/5	4/1	9-A	8.0	11.5	23.0	8.0/2.7
RH05D-33①4G-②	33	518																	
5	RH05D-23①4M-②	23	24	24/8	4/1	13-B	16.1	21.0	42.0	16.1/5.4	23.0/17.3	46.0/34.5	1190						
	RH05D-33①4M-②	33											1378						
	RH05D-46①4J-②	46	32	32/10									13-A	1080					
	RH05D-92①4J-②	92			1246														
	RH05D-52①4P-②	52	48	48/16	2/1	16-B							1962						
	RH05D-X5①4P-②	105				16-B*							2227						
	RH08D-23①4L-②	23				16							16/5	4/1	13-M	16.1	21.0	42.0	16.1/5.4
	RH08D-33①4L-②	33	1378																
RH08D-23①3M-②	23	24	24/8	13-B	1190														
RH08D-33①3M-②	33				1378														
RH08D-52①4N-②	52	32	32/10	2/1	16-A	1962													
RH08D-X5①4N-②	105				16-A*	2227													
10	RH10D-23①4L-②	23	16	16/5	4/1	13-A	16.1	21.0	42.0	16.1/5.4	23.0/17.3	46.0/34.5	1190						
	RH10D-33①4L-②	33											1378						
	RH10D-26①4R-②	26	24	24/8									16-B	2205					
	RH10D-36①4R-②	36			2513														
	RH10D-52①3N-②	52	32	32/10	2/1	16-A							1962						
	RH10D-X5①3N-②	105				16-A*							2227						
15	RH15D-26①4Q-②	26	16	16/5	4/1	16-A	25.7	33.0	69.0	19.2/6.3	36.5/29.0	79.0/60.0	2205						
	RH15D-36①4Q-②	36											2513						
20	RH20D-26①3Q-②	26	16	16/5	4/1	16-A	25.7	33.0	69.0	19.2/6.3	36.5/29.0	79.0/60.0	2205						
	RH20D-36①3Q-②	36											2513						

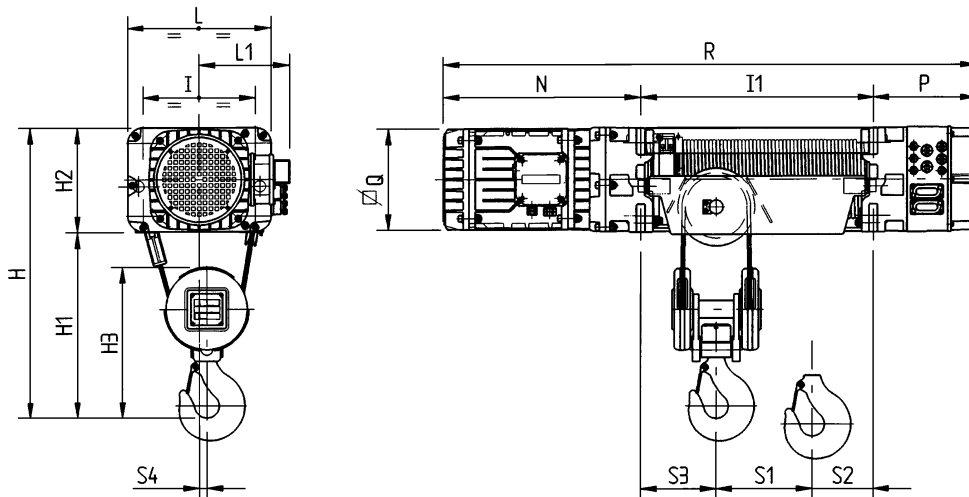
- ① S = Single Speed Hoist  
D = Dual Speed Hoist
- ② 2 = 230V – 3ph – 60Hz  
4 = 460V – 3ph – 60Hz

\*2/1 long lift hoists are fitted with anti-revolving rope.  
 \*\*Rope strengths are specified as: B = Base  
 M = Medium  
 A = High

Deck/Base Mounted or Lug Suspended Hoists Dimensions\*

Capacity (Tons)	Product Code	H (in)	H1 (in)	H2 (in)	H3 (in)	I (in)	I1 (in)	L (in)	L1 (in)	N (in)	P (in)	Ø Q (in)	R (in)	S1 (in)	S2 (in)	S3 (in)	S4 (in)
2	RH02D-20①4C-②	25.6	16.5	9.1	13.6	9.8	20.3	12.6	8.3	18.3	10.0	8.9	48.6	3.9	10.4	5.9	0.6
	RH02D-29①4C-②						35.0						63.4	6.3	22.8		
	RH02D-20①4D-②						20.3						48.6	3.9	10.4		
	RH02D-29①4D-②						35.0						63.4	6.3	22.8		
	RH02D-39①3A-②	27.2	18.1		15.4	20.3	48.6	7.3	9.3	3.7	1.1						
	RH02D-79①3A-②					35.0	63.4	10.8	20.5								
3	RH03D-20①4C-②	25.6	16.5	9.1	13.6	9.8	20.3	12.6	8.3	18.3	10.0	8.9	48.6	3.9	10.4	5.9	0.6
	RH03D-29①4C-②						35.0						63.4	6.3	22.8		
	RH03D-23①4H-②	29.5	18.9	10.6	15.4	11.4	23.6	14.6	9.3	20.1	10.6	10.2	54.3	5.3	11.2	7.1	0.7
	RH03D-33①4H-②						39.4						70.1	8.3	24		
	RH03D-46①3E-②	32.3	21.7	10.6	17.5	23.6	54.3	8.7	11.0	3.9	1.2						
	RH03D-85①3E-②					39.4	70.1	12.2	23.2								
5	RH05D-23①4G-②	29.5	18.9	10.6	15.4	11.4	23.6	14.6	9.3	20.1	10.6	10.2	54.3	5.3	11.2	7.1	0.7
	RH05D-33①4G-②						39.4						70.1	8.3	24.0		
	RH05D-23①4M-②	40.2	25.2	15.0	21.3	14.6	29.1	18.9	11.4	27.0	8.1	11.8	64.2	6.3	13.4	9.4	0.9
	RH05D-33①4M-②						49.6						84.6	9.4	30.7		
	RH05D-46①4J-②	42.9	28.0		23.4	29.1	64.2	10.4	13.6	5.1	1.6						
	RH05D-92①4J-②					49.6	84.6	14.8	29.7								
	RH05D-52①4P-②	55.1	36.2	18.5	29.5	18.1	33.9	23.6	14.2	32.9	8.7	13.4	76.2	11.4	15.7	6.7	1.8
	RH05D-X5①4P-②						55.9						98.2	15.7	33.5		
7 1/2	RH08D-23①4L-②	40.2	25.2	15.0	21.3	14.6	29.1	18.9	11.4	27.0	8.1	11.8	64.2	6.3	13.4	9.4	0.9
	RH08D-33①4L-②						49.6						84.6	9.4	30.7		
	RH08D-23①3M-②						29.1						64.2	6.3	13.4		
	RH08D-33①3M-②						49.6						84.6	9.4	30.7		
	RH08D-52①4N-②	55.1	36.2	18.5	29.5	18.1	33.9	23.6	14.2	32.9	8.7	13.4	76.2	11.4	15.7	6.7	1.8
	RH08D-X5①4N-②						55.9						98.2	15.7	33.5		
10	RH10D-23①4L-②	40.2	25.2	15.0	21.3	14.6	29.1	18.9	11.4	27	8.1	11.8	64.2	6.3	13.4	9.4	0.9
	RH10D-33①4L-②						49.6						84.6	9.4	30.7		
	RH10D-26①4R-②	52.0	33.5	18.5	27.6	18.1	33.9	23.6	14.2	32.9	8.7	13.4	76.2	7.1	13	13.8	1.0
	RH10D-36①4R-②						55.9						98.2	8.7	33.5		
	RH10D-52①3N-②	55.1	36.2		29.5	33.9	76.2	11.4	15.7	6.7	1.8						
	RH10D-X5①3N-②					55.9	98.2	15.7	33.5								
15	RH15D-26①4Q-②	52.0	33.5	18.5	27.6	18.1	33.9	23.6	14.2	32.9	8.7	13.4	76.2	7.1	13	13.8	1.0
	RH15D-36①4Q-②						55.9						98.2	8.7	33.5		
20	RH20D-26①3Q-②	52.0	33.5	18.5	27.6	18.1	33.9	23.6	14.2	32.9	8.7	13.4	76.2	7.1	13	13.8	1.0
	RH20D-36①3Q-②						55.9						98.2	8.7	33.5		

\*See page 12 for Deck/Base Mounted or Lug Suspended eye bolt and attachment point dimensions.





### Standard Headroom Trolley Hoists Hoist Specifications

Capacity (Tons)	Product Code	Lift (ft)	Lifting Speed (ft/min)		Reeving (parts/ reeving)	Rope** (mm- spec.)	Single Speed Motor Lifting 3 Phase 60Hz			Dual Speed Motor Lifting 3 Phase 60Hz			Net Weight (lbs)	
			Single Speed	Dual Speed			Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)			
								@460V	@230V		@460V	@230V		
2	RH02S-20①4C-②-③	20	16	16/5	4/1	7-B	4.8	7.7	15.4	4.8/1.6	7.7/6.3	15.4/12.5	529	
	RH02S-29①4C-②-③	29											573	
	RH02S-20①4D-②-③	20	24	24/8									529	
	RH02S-29①4D-②-③	29											573	
	RH02S-39①3A-②-③	39	32	32/10	2/1	7-A							509	
	RH02S-79①3A-②-③	79				7-A*							551	
3	RH03S-20①4C-②-③	20	16	16/5	4/1	7-A	4.8	7.7	15.4	4.8/1.6	7.7/6.3	15.4/12.5	529	
	RH03S-29①4C-②-③	29											573	
	RH03S-23①4H-②-③	23	24	24/8									9-B	728
	RH03S-33①4H-②-③	33												794
	RH03S-46①3E-②-③	46	32	32/10	2/1	9-A							617	
	RH03S-85①3E-②-③	85				9-A*							672	
5	RH05S-23①4G-②-③	23	16	16/5	4/1	9-A	8.0	11.5	23.0	8.0/2.7	11.5/9.6	23.0/19.0	728	
	RH05S-33①4G-②-③	33											794	
	RH05S-23①4M-②-③	23	24	24/8									13-B	1918
	RH05S-33①4M-②-③	33												2083
	RH05S-46①4J-②-③	46	32	32/10	2/1	13-A							1378	
	RH05S-92①4J-②-③	92				13-A*							1543	
	RH05S-52①4P-②-③	52	48	48/16	16-B	25.7	2690							
	RH05S-X5①4P-②-③	105				16-B*	2954							
7 1/2	RH08S-23①4L-②-③	23	16	16/5	4/1	13-M	16.1	21.0	42.0	16.1/5.4	23.0/17.3	46.0/34.5	1918	
	RH08S-33①4L-②-③	33											2083	
	RH08S-23①3M-②-③	23	24	24/8									13-B	1918
	RH08S-33①3M-②-③	33												2083
	RH08S-52①4N-②-③	52	32	32/10	2/1	16-A							2690	
	RH08S-X5①4N-②-③	105				16-A*							2954	
10	RH10S-23①4L-②-③	23	16	16/5	4/1	13-A	16.1	21.0	42.0	16.1/5.4	23.0/17.3	46.0/34.5	1918	
	RH10S-33①4L-②-③	33											2083	
	RH10S-26①4R-②-③	26	24	24/8									16-B	3351
	RH10S-36①4R-②-③	36												3660
	RH10S-52①3N-②-③	52	32	32/10	2/1	16-A							2690	
	RH10S-X5①3N-②-③	105				16-A*							2954	
15	RH15S-26①4Q-②-③	26	16	16/5	4/1	16-A	25.7	33.0	69.0	19.2/6.3	36.5/29.0	79.0/60.0	3351	
	RH15S-36①4Q-②-③	36											3660	
20	RH20S-26①3Q-②-③	26	16	16/5	4/1	16-A	25.7	33.0	69.0	19.2/6.3	36.5/29.0	79.0/60.0	3351	
	RH20S-36①3Q-②-③	36											3660	

- ① S = Single Speed Hoist  
D = Dual Speed Hoist
- ② 2 = 230V - 3ph - 60Hz  
4 = 460V - 3ph - 60Hz
- ③ Traversing Speed:  
F = 40 ft/min  
G = 64 ft/min  
H = 80 ft/min  
V = 64/16 ft/min  
W = 80/20 ft/min

\*2/1 long lift hoists are fitted with anti-revolving rope.  
 \*\*Rope strengths are specified as: B = Base  
 M = Medium  
 A = High

Standard Headroom Trolley Hoists Trolley Specifications

Capacity (Tons)	Product Code	Standard Flange Range B* (in)	Traversing Motors								
			Single Speed 40 ft/min			Single Speed 64 and 80 ft/min			Dual Speed 64/16 and 80/20 ft/min		
			Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)	
				@460V	@230V		@460V	@230V		@460V	@230V
2	RH02S-20①4C-②-③	3.54 to 11.02	0.32	1.1	2.2	0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2
	RH02S-29①4C-②-③										
	RH02S-20①4D-②-③										
	RH02S-29①4D-②-③										
	RH02S-39①3A-②-③										
RH02S-79①3A-②-③											
3	RH03S-20①4C-②-③	3.54 to 11.02	0.32	1.1	2.2	0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2
	RH03S-29①4C-②-③	4.69 to 11.02									
	RH03S-23①4H-②-③										
	RH03S-33①4H-②-③										
	RH03S-46①3E-②-③	3.54 to 11.02									
RH03S-85①3E-②-③											
5	RH05S-23①4G-②-③	4.69 to 11.02	0.32	1.1	2.2	0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2
	RH05S-33①4G-②-③										
	RH05S-23①4M-②-③	5.31 to 11.02	0.5			0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2
	RH05S-33①4M-②-③										
	RH05S-46①4J-②-③	4.69 to 11.02	0.32			0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2
	RH05S-92①4J-②-③										
	RH05S-52①4P-②-③	5.31 to 11.02	0.5			0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2
RH05S-X5①4P-②-③											
7 1/2	RH08S-23①4L-②-③	5.31 to 11.02	0.5	1.1	2.2	0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2
	RH08S-33①4L-②-③										
	RH08S-23①3M-②-③										
	RH08S-33①3M-②-③										
	RH08S-52①4N-②-③										
RH08S-X5①4N-②-③											
10	RH10S-23①4L-②-③	5.31 to 11.02	0.5	1.1	2.2	0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2
	RH10S-33①4L-②-③										
	RH10S-26①4R-②-③	6.69 to 11.02									
	RH10S-36①4R-②-③										
	RH10S-52①3N-②-③	5.31 to 11.02									
RH10S-X5①3N-②-③											
15**	RH15S-26①4Q-②-③	6.69 to 11.02	0.5 x 2	1.1 x 2	2.2 x 2	0.9 x 2	1.5 x 2	4.4 x 2	0.9/0.2 x 2	2.1/1.1 x 2	4.2/2.2 x 2
	RH15S-36①4Q-②-③										
20**	RH20S-26①3Q-②-③	6.69 to 11.02	0.5 x 2	1.1 x 2	2.2 x 2	0.9 x 2	1.5 x 2	4.4 x 2	0.9/0.2 x 2	2.1/1.1 x 2	4.2/2.2 x 2
	RH20S-36①3Q-②-③										

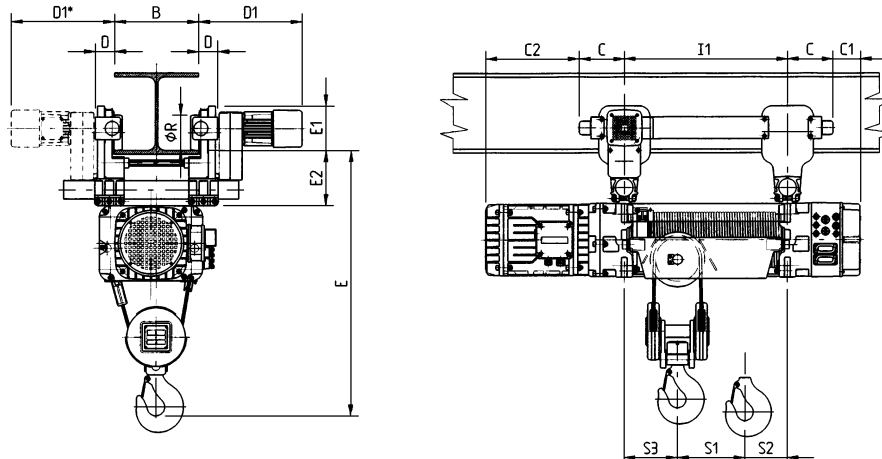
\*Optional wider flange ranges available. Wider flange range is the standard lower value to 15.75 inch.  
 Example: Wider flange range for 2 Ton trolley hoists is 3.54 to 15.75 inches.

\*\*15 and 20 Ton models are equipped with 2 trolley motors.

Standard Headroom Trolley Hoists Dimensions

Capacity (Tons)	Product Code	C (in)	C1 (in)	C2 (in)	D (in)	D1 (in)	E (in)	E1 (in)	E2 (in)	I1 (in)	ØR (in)	S1 (in)	S2 (in)	S3 (in)	
2	RH02S-20①4C-②-③	6.7	3.3	11.6	2.4	14.6	32.7	5.9	7.1	3.94	3.94	20.3	3.9	10.4	5.9
	RH02S-29①4C-②-③											35	6.3	22.8	
	RH02S-20①4D-②-③											20.3	3.9	10.4	
	RH02S-29①4D-②-③											35.0	6.3	22.8	
	RH02S-39①3A-②-③											20.3	7.3	9.3	
	RH02S-79①3A-②-③						35	10.8	20.5						
3	RH03S-20①4C-②-③	6.7	3.3	11.6	2.4	14.6	32.7	5.9	7.1	3.94	3.94	20.3	3.9	10.4	5.9
	RH03S-29①4C-②-③											35.0	6.3	22.8	
	RH03S-23①4H-②-③	8.1	2.6	12	2.6	14.8	37.4	6.2	7.7	4.92	4.92	23.6	5.3	11.2	7.1
	RH03S-33①4H-②-③											39.4	8.3	24	
	RH03S-46①3E-②-③	6.7	3.9	13.4	2.4	14.6	39.4	5.9	7.1	3.94	3.94	23.6	8.7	11.0	3.9
	RH03S-85①3E-②-③											39.4	12.2	23.2	
5	RH05S-23①4G-②-③	8.1	2.6	12	2.6	14.8	37.4	6.2	7.7	4.92	4.92	23.6	5.3	11.2	7.1
	RH05S-33①4G-②-③											39.4	8.3	24	
	RH05S-23①4M-②-③	11.4	-3.3	15.6	3.5	15.7	50.8	9.8	10.4	7.87	7.87	29.1	6.3	13.4	9.4
	RH05S-33①4M-②-③											49.6	9.4	30.7	
	RH05S-46①4J-②-③	8.1	0	18.9	2.7	14.8	50.8	6.2	7.7	4.92	4.92	29.1	10.4	13.6	5.1
	RH05S-92①4J-②-③											49.6	14.8	29.7	
	RH05S-52①4P-②-③	11.4	-2.8	21.5	3.5	15.7	65.7	9.8	10.4	7.87	7.87	33.9	11.4	15.7	6.7
	RH05S-X5①4P-②-③											55.9	15.7	33.5	
7 1/2	RH08S-23①4L-②-③	11.4	-3.3	15.6	3.5	15.7	50.8	9.8	10.4	7.87	7.87	29.1	6.3	13.4	9.4
	RH08S-33①4L-②-③											49.6	9.4	30.7	
	RH08S-23①3M-②-③											29.1	6.3	13.4	
	RH08S-33①3M-②-③											49.6	9.4	30.7	
	RH08S-52①4N-②-③		-2.8	21.5	65.7	9.8	10.4	7.87	33.9			11.4	15.7	6.7	
	RH08S-X5①4N-②-③								55.9			15.7	33.5		
10	RH10S-23①4L-②-③	11.4	-3.3	15.6	3.5	15.7	50.8	9.8	10.4	7.87	7.87	29.1	6.3	13.4	9.4
	RH10S-33①4L-②-③											49.6	9.4	30.7	
	RH10S-26①4R-②-③	13.4	-4.7	19.5	3.9	16.1	63.8	12.2	12.0	9.84	9.84	33.9	7.1	13.0	13.8
	RH10S-36①4R-②-③											55.9	8.7	33.5	
	RH10S-52①3N-②-③	11.4	-2.8	21.5	3.5	15.7	65.7	9.8	10.4	7.87	7.87	33.9	11.4	15.7	6.7
	RH10S-X5①3N-②-③											55.9	15.7	33.5	
15*	RH15S-26①4Q-②-③	13.4	-4.7	19.5	3.9	16.1	63.8	12.2	12.0	9.84	9.84	33.9	7.1	13.0	13.8
	RH15S-36①4Q-②-③											55.9	8.7	33.5	
20*	RH20S-26①3Q-②-③	13.4	-4.7	19.5	3.9	16.1	63.8	12.2	12.0	9.84	9.84	33.9	7.1	13.0	13.8
	RH20S-36①3Q-②-③											55.9	8.7	33.5	

\*15 and 20 Ton models are equipped with 2 trolley motors.



Note:   
 ■ Standard headroom trolleys are suitable for use on S or W shaped beams.   
 ■ Refer to page 7 for flange range dimension B

### Ultra-Low Headroom Trolley Hoists Hoist Specifications

Capacity (Tons)	Product Code	Lift (ft)	Lifting Speed (ft/min)		Reeving (parts/ reeving)	Rope** (mm- spec.)	Single Speed Motor 3 Phase 60Hz			Dual Speed Motor 3 Phase 60Hz			Net Weight (lbs)
			Single Speed	Dual Speed			Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)		
								@460V	@230V		@460V	@230V	
2	RH02U-20①4C-②-③	20	16	16/5	4/1	7-B	4.8	7.7	15.4	4.8/1.6	7.7/6.3	15.4/12.5	705
	RH02U-29①4C-②-③	29		750									
	RH02U-20①4D-②-③	20	24	24/8									705
	RH02U-29①4D-②-③	29	750										
	RH02U-39①3A-②-③	39	32	32/10	2/1	7-A							686
	RH02U-79①3A-②-③	79				7-A*							728
3	RH03U-20①4C-②-③	20	16	16/5	4/1	7-A	4.8	7.7	15.4	4.8/1.6	7.7/6.3	15.4/12.5	705
	RH03U-29①4C-②-③	29		750									
	RH03U-23①4H-②-③	23	24	24/8									1036
	RH03U-33①4H-②-③	33	1102										
	RH03U-46①3E-②-③	46	32	32/10	2/1	9-A							893
	RH03U-85①3E-②-③	85				9-A*							948
5	RH05U-23①4G-②-③	23	16	16/5	4/1	9-A	8.0	11.5	23.0	8.0/2.7	11.5/9.6	23.0/19.0	1036
	RH05U-33①4G-②-③	33		1102									
	RH05U-23①4M-②-③	23	24	24/8									2624
	RH05U-33①4M-②-③	33	2811										
	RH05U-46①4J-②-③	46	32	32/10	2/1	13-A							2017
	RH05U-92①4J-②-③	92				13-A*							2183
	RH05U-52①4P-②-③	52	48	48/16	2/1	16-B	3869						
	RH05U-X5①4P-②-③	105				16-B*	4244						
7 1/2	RH08U-23①4L-②-③	23	16	16/5	4/1	13-M	16.1	21.0	42.0	16.1/5.4	23.0/17.3	46.0/34.5	2624
	RH08U-33①4L-②-③	33		2811									
	RH08U-23①3M-②-③	23	24	24/8									2624
	RH08U-33①3M-②-③	33	2811										
	RH08U-52①4N-②-③	52	32	32/10	2/1	16-A							3869
	RH08U-X5①4N-②-③	105				16-A*							4244
10	RH10U-23①4L-②-③	23	16	16/5	4/1	13-A	16.1	21.0	42.0	16.1/5.4	23.0/17.3	46.0/34.5	2624
	RH10U-33①4L-②-③	33		2811									
	RH10U-26①4R-②-③	26	24	24/8									4707
	RH10U-36①4R-②-③	36	5170										
	RH10U-52①3N-②-③	52	32	32/10	2/1	16-A							3869
	RH10U-X5①3N-②-③	105				16-A*							4244
15	RH15U-26①4Q-②-③	26	16	16/5	4/1	16-A	25.7	33.0	69.0	19.2/6.3	36.5/29.0	79.0/60.0	4707
	RH15U-36①4Q-②-③	36		5170									
20	RH20U-26①3Q-②-③	26	16	16/5	4/1	16-A	25.7	33.0	69.0	19.2/6.3	36.5/29.0	79.0/60.0	4707
	RH20U-36①3Q-②-③	36		5170									

- ① S = Single Speed Hoist  
D = Dual Speed Hoist
- ② 2 = 230V - 3ph - 60Hz  
4 = 460V - 3ph - 60Hz
- ③ Traversing Speed:  
F = 40 ft/min  
G = 64 ft/min  
H = 80 ft/min  
V = 64/16 ft/min  
W = 80/20 ft/min

\*2/1 long lift hoists are fitted with anti-revolving rope.  
 \*\*Rope strengths are specified as: B = Base  
 M = Medium  
 A = High

# Ultra-Low Headroom Trolley Hoists Trolley Specifications

Capacity (Tons)	Product Code	Standard Flange Width B (in)	Traversing Motors									
			Single Speed 40 ft/min			Single Speed 64 and 80 ft/min			Dual Speed 64/16 and 80/20 ft/min			
			Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)		
				@460V	@230V		@460V	@230V		@460V	@230V	
2	RH02U-20①4C-②-③	3.54 to 15.75	0.32	1.1	2.2	0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2	
	RH02U-29①4C-②-③											
	RH02U-20①4D-②-③											
	RH02U-29①4D-②-③											
	RH02U-39①3A-②-③											
	RH02U-79①3A-②-③											
3	RH03U-20①4C-②-③	3.54 to 15.75	0.32	1.1	2.2	0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2	
	RH03U-29①4C-②-③	4.69 to 15.75										
	RH03U-23①4H-②-③	3.54 to 15.75										
	RH03U-33①4H-②-③											
	RH03U-46①3E-②-③											
	RH03U-85①3E-②-③											
5	RH05U-23①4G-②-③	4.69 to 15.75	0.32	1.1	2.2	0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2	
	RH05U-33①4G-②-③	5.31 to 15.75	0.5			0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2	
	RH05U-23①4M-②-③					0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2	
	RH05U-33①4M-②-③	5.31 to 15.75	0.5			0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2	
	RH05U-46①4J-②-③					0.32	0.6	1.1	3.0	0.6/0.13	1.3/1.1	2.5/2.2
	RH05U-92①4J-②-③					0.5	0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2
	RH05U-52①4P-②-③											
RH05U-X5①4P-②-③												
7 1/2	RH08U-23①4L-②-③	5.31 to 15.75	0.5	1.1	2.2	0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2	
	RH08U-33①4L-②-③											
	RH08U-23①3M-②-③											
	RH08U-33①3M-②-③											
	RH08U-52①4N-②-③											
	RH08U-X5①4N-②-③											
10	RH10U-23①4L-②-③	5.31 to 15.75	0.5	1.1	2.2	0.9	1.5	4.4	0.9/0.2	2.1/1.1	4.2/2.2	
	RH10U-33①4L-②-③	6.69 to 15.75										
	RH10U-26①4R-②-③											
	RH10U-36①4R-②-③											
	RH10U-52①3N-②-③	5.31 to 15.75										
	RH10U-X5①3N-②-③											
15*	RH15U-26①4Q-②-③	6.69 to 15.75	0.5 x 2	1.1 x 2	2.2 x 2	0.9 x 2	1.5 x 2	4.4 x 2	0.9/0.2 x 2	2.1/1.1 x 2	4.2/2.2 x 2	
	RH15U-36①4Q-②-③											
20*	RH20U-26①3Q-②-③	6.69 to 15.75	0.5 x 2	1.1 x 2	2.2 x 2	0.9 x 2	1.5 x 2	4.4 x 2	0.9/0.2 x 2	2.1/1.1 x 2	4.2/2.2 x 2	
	RH20U-36①3Q-②-③											

\*15 and 20 Ton models are equipped with 2 trolley motors.

## Ultra-Low Trolley Hoist Headroom

Hoist Code	Flange Range (in)	Headroom, E* (in)	Headroom, E for 6 inch Flange (in)
A or B	3.54 to 15.75	17.3 + (1.13 x T)	24.1
C or D	3.54 to 6.79	18.9	18.9
	6.80 to 15.75	11.1 + (1.15 x T)	
E or F	3.54 to 15.75	17.6 + (1.13 x T)	24.8
G or H	4.69 to 6.49	18.9	18.9
	6.50 to 15.75	10.9 + (1.23 x T)	

\*T in formulas is the exact beam flange width in inches.

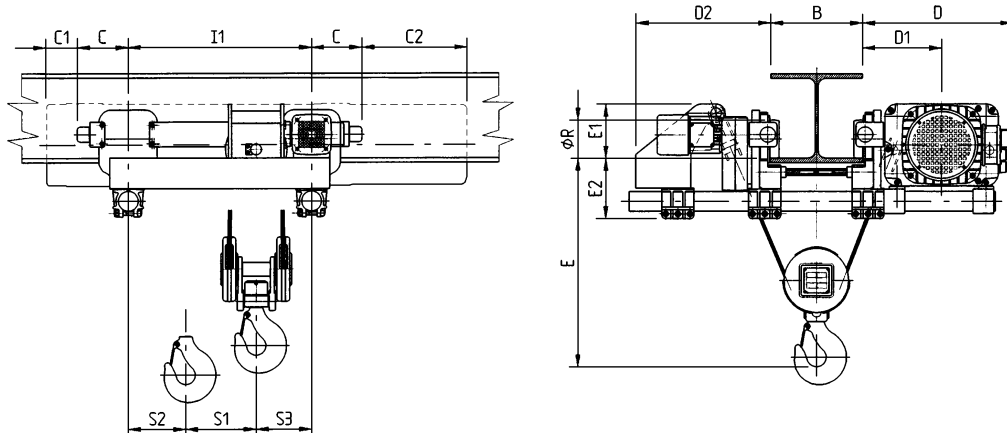
\*\*Headroom value for 7 inch flange.

Hoist Code	Flange Range (in)	Headroom, E* (in)	Headroom, E for 6 inch Flange (in)
J or K	4.69 to 8.66	26.8	26.8
	8.67 to 15.75	16.2 + (1.22 x T)	
L or M	5.31 to 10.51	24.0	24.0
	10.52 to 15.75	11.4 + (1.20 x T)	
N or P	5.31 to 10.16	32.7	32.7
	10.17 to 15.75	20.5 + (1.20 x T)	
Q or R	6.69 to 11.81	31.1	31.1**
	11.82 to 15.75	24.0 + (0.60 x T)	

Ultra-Low Headroom Trolley Hoists Dimensions

Capacity (Tons)	Product Code	C (in)	C1 (in)	C2 (in)	D (in)	D1 (in)	D2 (in)	E1 (in)	E2 (in)	I1 (in)	ØR (in)	S1 (in)	S2 (in)	S3 (in)	
2	RH02U-20①4C-②-③	6.7	3.3	11.6	17.3	9.1	15.6	5.9	7.1	20.3	3.94	3.9	10.4	5.9	
	RH02U-29①4C-②-③						14.4					35.0	6.3		22.8
	RH02U-20①4D-②-③						15.6					20.3	3.9		10.4
	RH02U-29①4D-②-③						14.4					35.0	6.3		22.8
	RH02U-39①3A-②-③						15.6					20.3	7.3		9.3.0
	RH02U-79①3A-②-③						14.4					35.0	10.8		20.5
3	RH03U-20①4C-②-③	6.7	3.3	11.6	17.3	9.1	15.6	5.9	7.1	20.3	3.94	3.9	10.4	5.9	
	RH03U-29①4C-②-③	8.1	2.6	12	19.5	10.2	14.4	7.1	7.7	35.0	4.92	6.3	22.8	7.1	
	RH03U-23①4H-②-③						17.3			23.6		5.3	11.2		
	RH03U-33①4H-②-③	6.7	3.9	13.4	19.3	10.0	16.1	7.1	7.1	39.4	3.94	8.3	24	3.9	
	RH03U-46①3E-②-③						17.7			23.6		8.7	11.0		
	RH03U-85①3E-②-③	16.5	39.4	12.2	23.2										
5	RH05U-23①4G-②-③	8.1	2.6	12.0	19.5	10.2	17.3	7.1	7.7	23.6	4.92	5.3	11.2	7.1	
	RH05U-33①4G-②-③	11.4	-3.3	15.6	24.6	13.2	16.1	10.2	10.4	39.4	7.87	8.3	24.0	9.4	
	RH05U-23①4M-②-③						22.8			29.1		6.3	13.4		
	RH05U-33①4M-②-③	21.7	49.6	9.4	30.7										
	RH05U-46①4J-②-③	8.1	0	18.9	23.8	12.4	24.0	11.8	7.7	29.1	4.92	10.4	13.6	5.1	
	RH05U-92①4J-②-③	11.4	-2.8	21.5	29.7	15.6	22.8	13.6	10.4	49.6	7.87	14.8	29.7	6.7	
	RH05U-52①4P-②-③						33.9			11.4		15.7			
RH05U-X5①4P-②-③	55.9						15.7			33.5					
7 1/2	RH08U-23①4L-②-③	11.4	-3.3	15.6	24.6	13.2	22.8	10.2	10.4	29.1	7.87	6.3	13.4	9.4	
	RH08U-33①4L-②-③						21.7			49.6		9.4	30.7		
	RH08U-23①3M-②-③						22.8			29.1		6.3	13.4		
	RH08U-33①3M-②-③		21.7	49.6	9.4	30.7									
	RH08U-52①4N-②-③		-2.8	21.5	29.7	15.6	27.0	13.6	13.6	10.4	33.9	7.87	11.4	15.7	6.7
	RH08U-X5①4N-②-③							55.9			15.7		33.5		
10	RH10U-23①4L-②-③	11.4	-3.3	15.6	24.6	13.2	22.8	10.2	10.4	29.1	7.87	6.3	13.4	9.4	
	RH10U-33①4L-②-③	13.4	-4.7	19.5	30.1	15.9	21.7	13.6	12.0	49.6	9.84	9.4	30.7	13.8	
	RH10U-26①4R-②-③						25.6			33.9		7.1	13.0		
	RH10U-36①4R-②-③	25.6	55.9	8.7	33.5										
	RH10U-52①3N-②-③	11.4	-2.8	21.5	29.7	15.6	27.0	13.6	10.4	33.9	7.87	11.4	15.7	6.7	
	RH10U-X5①3N-②-③	27.0	55.9	15.7	33.5										
15*	RH15U-26①4Q-②-③	13.4	-4.7	19.5	30.1	15.9	25.6	13.6	12.0	33.9	9.84	7.1	13.0	13.8	
	RH15U-36①4Q-②-③	55.9	8.7	33.5											
20*	RH20U-26①3Q-②-③	13.4	-4.7	19.5	30.1	15.9	25.6	13.6	12.0	33.9	9.84	7.1	13.0	13.8	
	RH20U-36①3Q-②-③									55.9		8.7	33.5		

\*15 and 20 Ton models are equipped with 2 trolley motors.



Note: ■ Standard headroom trolleys are suitable for use on S or W shaped beams.