

# VIRGINIA CRANE®



# SAVAGIE

CLASS D HOIST

Capacities to 70 Tons  
[www.virginiacrane.com](http://www.virginiacrane.com)

# Savage Series Hoists

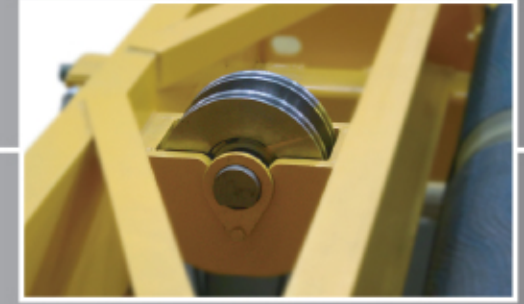
## Model Availability and Construction Features

All ratings in accordance with CMAA Class D Service requirements

Models in **5 TON** through **70 TON** capacity.

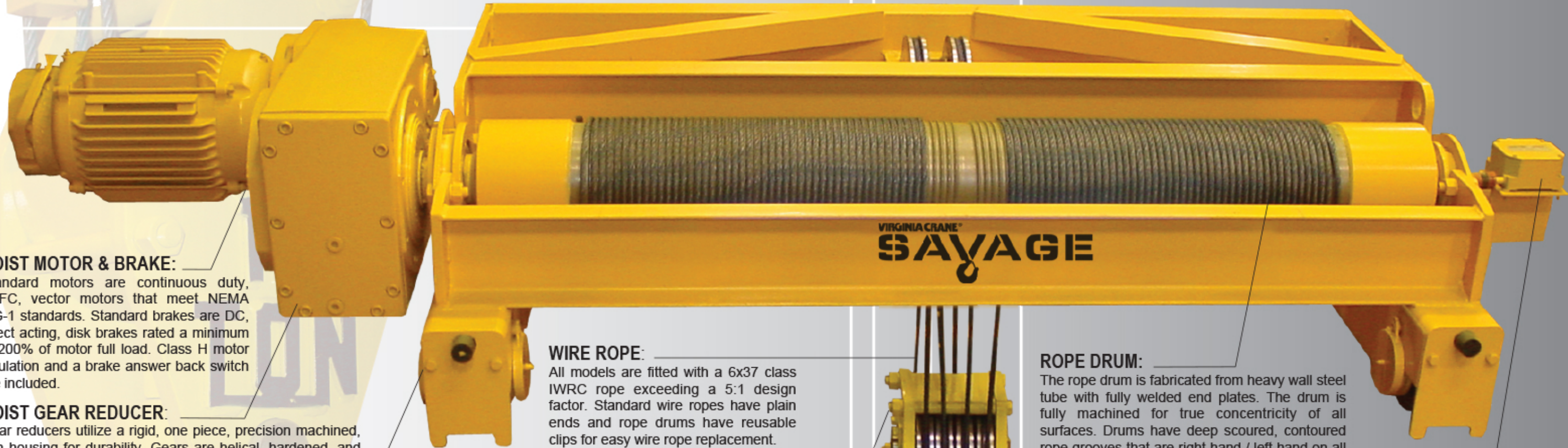
Four standard frame sizes.

Model configurations in TR and UH Trolley, and Deck Mounted Styles.



### UPPER SHEAVE NEST:

Upper sheaves are all steel and interchangeable with the load block sheaves. Upper sheaves utilize an readily serviceable, lift out design that is easily accessed from above.



### HOIST MOTOR & BRAKE:

Standard motors are continuous duty, TEFC, vector motors that meet NEMA MG-1 standards. Standard brakes are DC, direct acting, disk brakes rated a minimum of 200% of motor full load. Class H motor insulation and a brake answer back switch are included.

### HOIST GEAR REDUCER:

Gear reducers utilize a rigid, one piece, precision machined, iron housing for durability. Gears are helical, hardened, and finished up to AGMA class 13 standards for a long, quiet life. Seals have multiple nitrile rubber lips for a long, leak free life.

### TROLLEY WHEEL ASSEMBLY:

Wheel treads and flanges are hardened to 400 – 450 Bhn for long life. Wheels are supported on direct drive, rotating axles that are supported by two double row spherical roller bearings per wheel. Truck frames are precision line bored to ensure proper wheel alignment.

### TROLLEY HOIST FRAME:

Substantial frames are of all welded construction. Frames are braced and gusseted to provide permanent alignment of mechanical components.

### CONTROLS (optional):

Standard flux vector hoist and variable frequency drives are supplied in a NEMA 4/12 enclosure. Controls can be trolley mounted or shipped loose for installation on the crane bridge. When controls are shipped loose the trolley components will be prewired to a terminal box.

### WIRE ROPE:

All models are fitted with a 6x37 class IWRC rope exceeding a 5:1 design factor. Standard wire ropes have plain ends and rope drums have reusable clips for easy wire rope replacement.

### LOAD BLOCK ASSEMBLY:

Standard load hooks are forged steel with a 5:1 design factor and supported on a roller thrust bearing. Swinging trunnions are included to ease hook engagement with lifting bails, load rings, etc. Steel sheaves with machined, contoured rope grooves are supplied with lifetime lubricated bearings with thrust collars to maintain sheave positions on center, preventing contact with adjacent sheaves or the block frame.

### TROLLEY DRIVE:

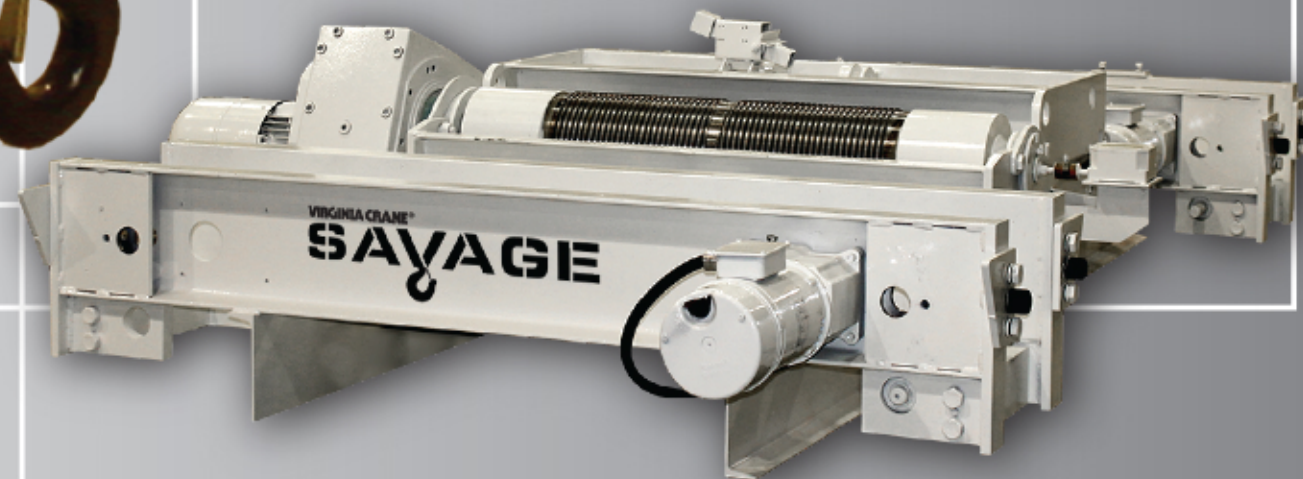
Dual motor, direct drive is standard. Gear reducers utilize a rigid, one piece, precision machined, iron housing for durability. Gears are helical, hardened, and finished up to AGMA class 13 standards for a long, quiet life. Seals have multiple nitrile rubber lips for a long, leak free life.

### ROPE DRUM:

The rope drum is fabricated from heavy wall steel tube with fully welded end plates. The drum is fully machined for true concentricity of all surfaces. Drums have deep scoured, contoured rope grooves that are right hand / left hand on all models to provide true vertical lift.

### LIMIT SWITCHES:

All models are equipped with a final upper, weighted, hoist limit switch and a rope drum actuated rotary upper and lower limit switch. Trolley travel limit switches are available as options.



## Other PRODUCTS:

### **VIRGINIA CRANE®**

Overhead  
Gantry  
Stacker

-  FEATURE SERIES HOISTS
-  ENGINEERED SYSTEMS
-  TRANSFER CARS
-  TRANSFER TABLES
-  LOCOMOTIVE TURNTABLES
-  BELOW HOOK DEVICES



*Foley Material Handling has built its reputation serving steel mills, railroads, shipyards and power companies.*

*FMH customers include the finest foundries, paper mills, steel distribution centers, aerospace and defense contractors, municipalities and general manufacturing companies.*



# **VIRGINIA CRANE®**

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