

STANDARD FEATURES – YALE CABLE KING

Feature	Monorail	Top Running Double Girder	
	Cable King	“TB” Series Cable King	“TR” Series Cable King
Service Class	ASME / HMI – Class “H4”	CMAA – Class “C”	CMAA – Class “C” or “D” (see price pages)
Design Safety Factor	5:1 (min.)	5:1 (min.)	5:1 (min.)
Bottom Block Sheave to Rope Ratio	16:1 (min.)	16:1 (min.)	16:1 (min.)
Operating Environment	Indoor	Indoor	Indoor
Hook Assembly	360 ⁰ rotation with safety latch	360 ⁰ rotation with safety latch	360 ⁰ rotation with safety latch
Rope Guide	No	No	No
Drum	Steel drum w/nominal 50% groove depth – 18:1 (min.) drum to rope ratio	Steel drum w/nominal 50% groove depth – 18:1 (min.) drum to rope ratio	Steel drum w/nominal 50% groove depth – 18:1 (min.) drum to rope ratio
Safety Wraps	1	1	1
Hoist Gearing	Hardened steel spur gearing in an oil bath – AGMA class 5	Hardened steel spur gearing in an oil bath – AGMA class 5	Hardened steel spur gearing in an oil bath – AGMA class 5
Hoist Load Brake	Weston type mechanical load brake w/ratcheting pawl	Weston type mechanical load brake w/ratcheting pawl	Weston type mechanical load brake w/ratcheting pawl
Hoist and Trolley Motors	Hoist & Trolley: 1 speed, squirrel cage w/thermal activated switch (TAS). TENV, 1.0 service factor, 30 minute rated w/Class F insulation	Hoist: 1 speed, squirrel cage w/thermal activated switch (TAS). TENV, 1.0 service factor, 30 minute rated w/Class F insulation Trolley: 1 speed, VFD controlled, S3 40% - IEC design w/DIN 5480 spline output shaft w/thermal activated switch (TAS).	Hoist & Trolley: 1 speed, squirrel cage w/thermal activated switch (TAS). TENV, 1.0 service factor, 30 minute rated w/Class F insulation
Hoist Motor Brake	125% AC Disc	125% AC Disc	125% AC Disc
Hoist Control	Magnetic Contactor	Magnetic Contactor	Magnetic Contactor
Hoist Limit Switches	NEMA 4 – Upper block w/reverse plugging NEMA 12 – Upper/lower geared limit switch	NEMA 4 – Upper block w/reverse plugging NEMA 12 – Upper/lower geared limit switch	NEMA 4 – Upper block w/reverse plugging NEMA 12 – Upper/lower geared limit switch
Trolley Control	Magnetic Contactor	Variable Frequency Drive	Magnetic Contactor
Trolley Type	Single Monorail Trolley – Rigid Mount Double Monorail trolley - Articulating	Top Running, Double Girder, Integrated Rotating Axle - Dual Drive	Top running Double Girder Trolley – Single Drive
Trolley Gearing (Motorized Trolley)	Hardened steel worm gearing in an oil bath	Totally enclosed oil-bath helical gear bridge reducers	Hardened steel worm gearing in an oil bath
Trolley Wheels	4 7/8” & 6” – Compound tread, steel @ 255 – 285 Bhn. 8” & 10” – Compound tread, cast iron @ 255 – 285 Bhn.	115mm (4.5”), 160mm (6.3”) & 200mm (7.9”) – Integrated Rotating Axle, flat tread, ASTM ductile cast iron @ 300 – 350 Bhn.	9” or 12” – Rotating axle, flat tread, double flanged wheels, steel @ 400 – 450 Bhn.
Trolley Brake	Optional	Standard – DC w/integral rectifier	Standard AC
Control Enclosure	NEMA 4/12	NEMA 4/12	NEMA 4/12
Voltages	Line – 230/460-3-60 Control – 115-1-60	Line – 230/460-3-60 Control – 115-1-60	Line – 230/460-3-60 Control – 115-1-60
Pendant	IP66 – 2 buttons per motion Drop Length = 3 ft. < total lift	N/A	N/A
Bearings	Sealed and/or shielded, lifetime lubricated	Sealed Ball Bearing, lifetime lubricated on 115mm & 160mm, Spherical roller bearing w/grease fittings on 200mm wheels.	Sealed and/or shielded, lifetime lubricated
Noise Level	90 dB (max.)	90 dB (max.)	90 dB (max.)
CSA Approval	Optional	Optional	Optional
UL Approval	No	No	No