

AMERICAN CRANE TOP RUNNING TROLLEY/HOIST		
FEATURE	CMAA CLASS "D" (ASME HMI H4)	CMAA CLASS "E"
REEVING	DOUBLE REEVED FOR TRUE VERTICAL LIFT	DOUBLE REEVED FOR TRUE VERTICAL LIFT
DESIGN SAFETY FACTOR	5:1 (min.)	5:1 (min.)
SHEAVE TO ROPE RATIO	20:1 (min.)	24:1 (min.)
OPERATING ENVIRONMENT	INDOOR	INDOOR
HOOK ASSEMBLY	360° ROTATION W/ SAFETY LATCH	360° ROTATION W/ SAFETY LATCH
HOOK SAFETY FACTOR	5:01	5:01
L10 BEARING LIFE	10,000 HOURS	20,000 HOURS
THRUST BEARING	ROLLER TYPE	ROLLER TYPE
HOIST DRUM	FABRICATED STEELGROOVED	FABRICATED STEELGROOVED
DRUM / ROPE RATIO	20:1 (min.)	24:1 (min.)
SAFETY WRAPS	2	2
WIRE ROPE	6 x 37, IWRC, EIPS	6 x 37, IWRC, EIPS
WIRE ROPE SAFETY FACTOR	5:01	5:01
HOIST GEARING	CASE HARDENED ALLOY STEEL HELICAL GEARS WITH GROUND PROFILE	CASE HARDENED ALLOY STEEL HELICAL GEARS WITH GROUND PROFILE
HOIST GEARBOX	SPHEROIDAL OR NODULAR CAST IRON WITH LARGE INSPECTION COVERS	SPHEROIDAL OR NODULAR CAST IRON WITH LARGE INSPECTION COVERS
HOIST MOTOR	TOTALLY ENCLOSED NON-VENTILATED, (TENV), VECTOR DUTY, 60 MIN.	TOTALLY ENCLOSED NON-VENTILATED, (TENV), VECTOR DUTY, 60 MIN.
HOIST MOTOR INSULATION	CLASS "H"	CLASS "H"
HOIST MOTOR THERMAL PROTECTION	THERMOSTATS, ALL THREE PHASES	THERMOSTATS, ALL THREE PHASES
HOIST MOTOR ENCODER	1024 PPR	1024 PPR
HOIST BRAKE	AC DISC TYPE MOUNTED ON GEARBOX INPUT SHAFT	AC DISC TYPE MOUNTED ON GEARBOX INPUT SHAFT

HOIST BRAKE RATING	125% (min.) OF THE RATED LOAD HOISTING TORQUE	125% (min.) OF THE RATED LOAD HOISTING TORQUE
HOIST CONTROL	ELECTROMOTIVE SERIES 3 VG+ VECTOR DUTY DRIVE	ELECTROMOTIVE SERIES 3 VG+ VECTOR DUTY DRIVE
HOIST LIMIT SWITCHES	NEMA 4,GEARED UPPER / LOWER LIMIT SWITCH	NEMA 4,GEARED UPPER / LOWER LIMIT SWITCH
	CONTROL TYPE PADDLE SECONDARY UPPER LIMIT SWITCH	CONTROL TYPE PADDLE SECONDARY UPPER LIMIT SWITCH
TROLLEY GEARING	HELICAL TYPE, CARBURIZED	HELICAL TYPE, CARBURIZED
TROLLEY GEARBOX	GRAY CAST IRON	GRAY CAST IRON
TROLLEY MOTOR	TOTALLY ENCLOSED FAN COOLED (TEFC) CONTINUOUS DUTY	TOTALLY ENCLOSED FAN COOLED (TEFC) CONTINUOUS DUTY
TROLLEY MOTOR INSULATION	CLASS "F"	CLASS "F"
TROLLEY MOTOR THERMAL PROTECTION	THERMOSTATS, ALL THREE PHASES	THERMOSTATS, ALL THREE PHASES
TROLLEY BRAKE	DISC TYPE, INTEGRAL TO MOTOR	DISC TYPE, INTEGRAL TO MOTOR
TROLLEY CONTROLS	ELECTROMOTIVE SERIES 3 G+	ELECTROMOTIVE SERIES 3 G+
	VARIABLE FREQUENCY DRIVE	VARIABLE FREQUENCY DRIVE
TROLLEY WHEELS	DOUBLE FLANGE STEEL, HARDENED - 320 BHN (min.), ROTATING AXLE DESIGN	DOUBLE FLANGE STEEL, HARDENED - 320 BHN (min.), ROTATING AXLE DESIGN
TROLLEY WHEEL BEARINGS	SEALED SPHERICAL ROLLER TYPE	SEALED SPHERICAL ROLLER TYPE
TROLLEY FRAME	WELDED FABRICATED STEEL MACHINED TO ENSURE PRECISE MACHINERY ALIGNMENT	WELDED FABRICATED STEEL MACHINED TO ENSURE PRECISE MACHINERY ALIGNMENT
WELDING	IN ACCORDANCE WITH AWS D14.1	IN ACCORDANCE WITH AWS D14.1
TROLLEY BUMPERS	POLYURETHANE	POLYURETHANE
VOLTAGES	POWER: 460V / 3PH / 60HZ CONTROL: 120V / 1PH / 60HZ	POWER: 460V / 3PH / 60HZ CONTROL: 120V / 1PH / 60HZ
CAN BE LOAD TEST TO	125% OF RATED LOAD	125% OF RATED LOAD
OSHA COMPLIANCE*	1910.179	1910.179

All Hoists are built in strict accordance with the CMAA Buyer Guide

* Wire rope has 5:1 minimum safety factor as required by OSHA 1910.179(h)(2)(1)

*Bumpers sized in accordance with OSHA 1910.179(e)(2) & (3)

*Rail sweeps provided in accordance with OSHA 1910.179(e)(4)