

EXCLUSIVE FEATURES OF 'REVA' EOT CRANE				REVA	OTHER VENDOR					
	FEATURES	ADVANTAGES		I	II	III	IV	V	VI	
Design	Solid Modelier	<input type="checkbox"/> Creates a VIRTUAL PROTO TYPE of a product <input type="checkbox"/> Enables better VISUALISATION and CONCEPTUALISTAION of the model <input type="checkbox"/> It reduces design time	✓							
	Finite Element Analysis	<input type="checkbox"/> OPTIMIZED and light weight product <input type="checkbox"/> Failure analys is to eliminate any cause of fracture	✓							
	In house Developed software	<input type="checkbox"/> 100% Engineering and Designing on in-house developed software <input type="checkbox"/> Accurate and reliable results and are verified with proven software	✓							
Hoisting Gear Box	Helical Gearing at all stages	<input type="checkbox"/> SILENT RUNNING – due to gradual contact <input type="checkbox"/> Better strength –MORE number of TEETH IN CONTACT at a time	✓							
	Material –Low Carbon Alloy Steel	<input type="checkbox"/> Better physical properties (80 Kg/sq. mm <sup>2</sup> ) – longer life <input type="checkbox"/> Fine grain size – fail safe operations <input type="checkbox"/> Wear resistant – longer life	✓							
	Gas Carburis ing & Case Hardening to 55-60 HRC	<input type="checkbox"/> Better micro structure – longer durability <input type="checkbox"/> Less prone to cracks – as CORE REMAINS SOFT <input type="checkbox"/> Impact strength increases – remote failure <input type="checkbox"/> Reduction in size – leads to low infrastructure cost <input type="checkbox"/> High Hardness	✓							
	Profile Ground	<input type="checkbox"/> SURFACE ROUGHNESS <0.8µM-longer fatigue life 1st pair always profile ground <input type="checkbox"/> Less Temprature rise – low lubrication cost <input type="checkbox"/> Less friction – longer life <input type="checkbox"/> Reduced vibrations – increase gear life <input type="checkbox"/> Less wearing – due to excellent surface finish <input type="checkbox"/> Low noise – implicates perfect alignment and matching <input type="checkbox"/> LESS POWER CONSUMPTION – due to higher gear efficiency <input type="checkbox"/> No. lapping paste required – enhances gearing & bearing life	✓							
	Ground Int./Ext. mounting dimensions	<input type="checkbox"/> Improves bearing life – due to no misalignment <input type="checkbox"/> RADIAL & FACIAL RUN OUT ELIMINATED – close tolerances in grinding <input type="checkbox"/> Ease of fitting / servicing – close tolerances achieved								
	Ball / Roller Bearing	<input type="checkbox"/> All pinions mounted on laper roller / Ball bearing , spherical roller bearings calculated for life time operation <input type="checkbox"/> No. Bush/Needle Bearing – ensures fail safe & durable operation	✓							
Crab	Wire rope drum	<input type="checkbox"/> Seamless Pipe – better strength <input type="checkbox"/> Grooved with high surface finish CNC turning centres– increase wire rope life	✓							
	Machined Base Frame	<input type="checkbox"/> Better stability and rigidity <input type="checkbox"/> Perfect ALIGNMENT of various component <input type="checkbox"/> REDUCES VIBRATIONS <input type="checkbox"/> Ease in fitting and servicing	✓							
Motors	Hardened Geared coupling for drum mounting	<input type="checkbox"/> EASE of fitment and SERVICING – low down time <input type="checkbox"/> Higher Torque transmission capacity – durable and fail sate <input type="checkbox"/> ABSORBS MISALIGNMENT , radial , axial & angular <input type="checkbox"/> Absorbs SHOCK/IMPACT loads – increased life	✓							
CT/LT Drive	Travelling Motor directly mounted on Gear Box	<input type="checkbox"/> ENSURE perfect Alignment <input type="checkbox"/> Elemenates accessories such as – Floating shafts -couplings, supporting Platforms etc.	✓							
	No open gearing	<input type="checkbox"/> Maintenance almost eliminated <input type="checkbox"/> Less wearing – due to no deposition of dust <input type="checkbox"/> Compactness – leads to low headroom <input type="checkbox"/> More reliable – oil splash lubricated gear box used	✓							
	Kissoft	<input type="checkbox"/> World's best software for design & verification of Gear & Pinions giving accurate life	✓							
reels	Forged medium carbon steel	<input type="checkbox"/> Forged C55 M75 material Hardened to 300-350 BHN <input type="checkbox"/> Hardened wheel axles – less wearing <input type="checkbox"/> Shrink fitting of wheel axes leads to no Jerks – longer wheel life	✓							

Wh	Adjustable wheel housing	(A Unique Feature) <input type="checkbox"/> Takes care of UNEVENNESS of gantry rails in vertical plane upto ±5mm	✓								
End Carriages	8 Wheel configuration above 10 ton	<input type="checkbox"/> Lesser and distributed wheel loads <input type="checkbox"/> Smaller size of gantry <input type="checkbox"/> LOW SHED CONSTRUCTION COST – Low head room requirement <input type="checkbox"/> Smaller LT drive machinery <input type="checkbox"/> Unique L-type bearing block for case of servicing	✓								
Structures	Bridge girders End carriages crab chasis	<input type="checkbox"/> Pro-Engineered for your profits with FINITE ELEMENT ANALYSIS on Pro-Mechanica – the world's No. 1 Engineering software <input type="checkbox"/> Optimised design with liberal safety margins <input type="checkbox"/> SAW Welded <input type="checkbox"/> Welding process designed by country's best welding Research Institute <input type="checkbox"/> Negligible DISTORTION & STRESS CONCENTRATION – better welding process <input type="checkbox"/> Qualified & highly experienced welders	✓								
Control	Control	<input type="checkbox"/> Motor overload protection <input type="checkbox"/> Wrong phase sequence prevention, single phase protection <input type="checkbox"/> Overload and over travel limit switches <input type="checkbox"/> The cranes are available with state of the art VVVF A.C. Drives for stepless Speed control , no jerks , low mechanical maintenance etc. <input type="checkbox"/> Cranes with pendent , cabin or radio Remote Controls.	✓								
Q.A.	Quality Assurance	<input type="checkbox"/> Chemical , Physical & Ultrasonic testing of raw -material <input type="checkbox"/> DPT tests 100% on Butt welds & sampling on fillet welds <input type="checkbox"/> Radiography in tension Butt joints <input type="checkbox"/> Inspection of gears & Pinions <input type="checkbox"/> Dimensional Controls <input type="checkbox"/> Load & overload Testing at works	✓								
Manufacturing	Machined Components	<input type="checkbox"/> One of the most sophisticated machine shop comprising of CNC, Machining centres , CNC turning centres ,internal and External grinders etc. <input type="checkbox"/> Imported hobbing & Gear Shaper machines , imported Gear Grinders , Borers, Millers , including in house Heat Treatment <input type="checkbox"/> Use of better & state of the art MANUFACTURING PRACTICES <input type="checkbox"/> Well defined QUALITY ASSURANCE PLANS ensure ZERO DEFFECT PRODUCT <input type="checkbox"/> 100% Inspection	✓								
Inputs	Steels, Bearings Motors, Switch Gear, Wire Ropes	<input type="checkbox"/> All inputs directly from original Manufacturers to ensure quality & timely deliveries	✓								
Product	Benefits	<input type="checkbox"/> Almost no down time – increase production efficiency <input type="checkbox"/> No Maintenance except preventive care –saves cost <input type="checkbox"/> Highly ENERGY efficient –low power consumption <input type="checkbox"/> Modular construction – ease of servicing at low cost <input type="checkbox"/> Standardisation , interchangeability at low inventory cost & short deliveries	✓								
<p>“ COMPARE : LEST YOU PAY FOR THESE FEATURES EVEN WITHOUT USING THEM BY WAY OF INCREASED &amp; FREQUENT MAINTENANCE COSTS AND PRODUCTION LOSSES DUE TO DOWNTIME”</p>											