Technical specification of JMP-Jack

Dt. 31.07.2026

Technical data	JMP-Jack	
	25T	35T
Recommended for Lifting of	ICF, LHB & EMU Coaches, Wagons, ALCO Diesel Locos, DEMU/DPC	HHP Locos, Electric Locos, ALCO Diesel Locos, LHB Coaches & Wagons
Minimum Claw Height from Ground Level	700 mm	895 mm
Maximum Claw Height from Ground Level	2310 mm	2655 mm
Total Lift of Claw	1610 mm	1760 mm
Claw Length/Size	300 mm × 257 mm	135 mm × 267 mm
Claw Projection from Centre of Beam	870 mm	810 mm
Claw Projection from Centre of Screw Spindle	647 mm	587 mm
Ground Clearance when Resting on Wheel	20 mm	20 mm
Hoisting Speed (Up/Dn)	200 mm/min (Approx.)	220 mm/min (Approx.)
Net Weight of One Jack	2.0 Tonne (Approx.)	2.0 Tonne (Approx.)
Dimension (H × L × W)	2800 × 1550 × 950 mm	3273 × 1550 × 950 mm
Load Surface Area	800 × 1160 mm	800 × 1160 mm
Major Dia. of Screw Spindle	100 mm	110 mm
Length of Screw Spindle	2730 mm	3128 mm
Thread Length of Screw Spindle	1926 mm	2236 mm
Pitch of Screw Spindle	25 mm	25 mm
Height of Load Nut	203 mm	305 mm
Brake-Motor Capacity	7.5 HP (Make: Delta/BCH/Crompton Greaves/ABB/Pethe)	10 HP (Make: Delta/BCH/Crompton Greaves/ABB/Pethe)
Single Acting Thrust Ball Bearing	Brg. No.53416 U (Make: SKF/FAG/MBE/Tata Brg.)	Brg. No.53420 U (Make: SKF/FAG/MBE/Tata Brg.)
Self-aligned Ball Bearing	Brg. No. 2310 (Make: SKF/FAG/MBE/Tata Brg.)	Brg. No. 2312 (Make: SKF/FAG/MBE/Tata Brg.)
Sprocket Small	Duplex	Triplex
Sprocket Large	Duplex	Triplex
Chain	Duplex	Triplex
DOL (Individual) Starter	30 Amp	40 Amp
Beam Type	Double 'U' Beam	Double 'U' Beam
Single Row Deep Groove Ball Bearing	Brg. No. 6215 (Make: SKF/FAG/MBE/Tata Brg.)	Brg. No. 6217 (Make: SKF/FAG/MBE/Tata Brg.)
Wheel Type	Spring Loaded wheel Arrgt.	Spring Loaded wheel Arrgt.
Interlocking with Fail-safe Arrangement	Yes Provided	Yes Provided
No. of Jack required	1 set consisting of 4 nos. + 1 no. spare (Total 5 nos.)	1 set consisting of 4 nos. + 1 no. spare (Total 5 nos.)
Electric power cap./requirement	3-phase, 350V-440v, 50 Hz	3-phase, 350V-440v, 50 Hz
Warranty	1 Yr. After Commissioning	1 Yr. After Commissioning
Unit Cost of JMP-Jack	Rs. 8,41,770.00/-	Rs. 10,47,912.00/-
Cost Per Set (i.e. 05 Nos. Jmp-Jack)	Rs. 42,08,850.00/-	Rs. 52,39,560.00/-

31.07.26

Dy. CME(Crane)
E. Rly. / JMPW