

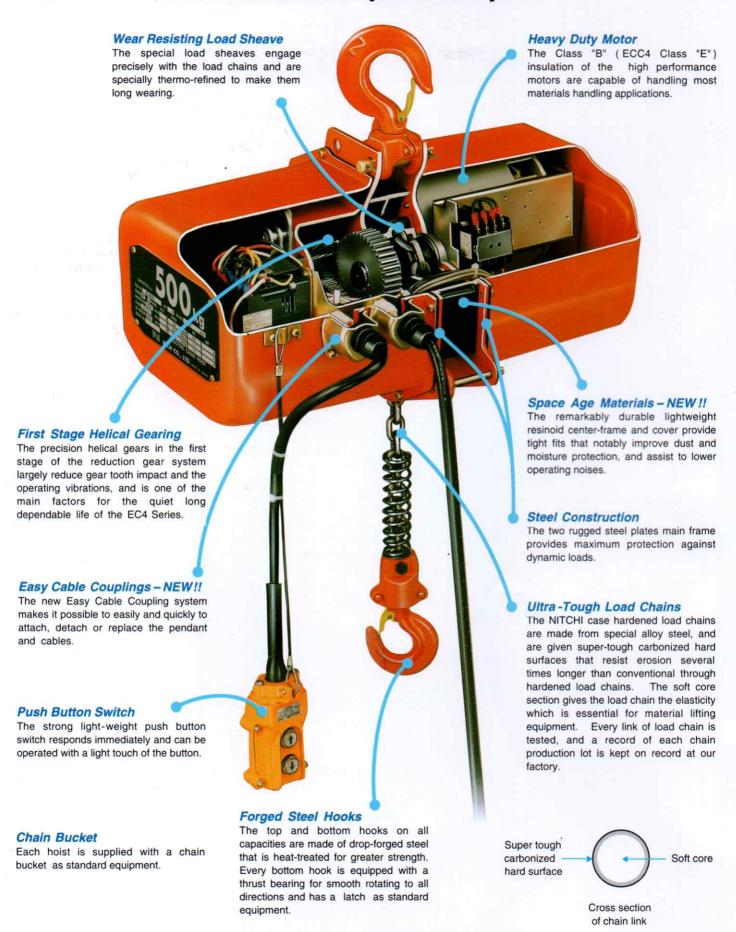
NITCHI ELECTRIC CHAIN HOIST



http://www.nitchi.co.jp/

NITCHI EC4 Series electric chain hoists

The efficient, economical hoists you can rely on.



Moisture and **Dust Protection - IMPROVE!**

The IP54 protection of the hoist bodies and the IP64 protection of the push button switch are more than adequate for most applications that demand for moisture and dust protection.

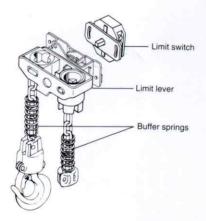
Quiet and Smooth Operation - IMPROVED!

The helical gears on the first stage of the reduction gears lower vibrations and noise levels remarkably. compared to the former EC-3M Series, the noise levels of the EC4 Series are 3 to 10 Decibels lower!

Over Lifting and Over lowering LIMIT SWITCH-IMPORTANT!!!

The over lifting and over lowering limit switch system is one of the most important safety devices on an electric chain hoist, which can not be substituted with micro switches that rely on the over load protection device. The EC4 Series are equipped with what we believe is the most efficient and reliable limit switch system available for electric chain hoists, which functions completely independent of the overload protection.

- A. Buffer Springs located on both ends of the load chain absorb the initial shock and allow the limit switch to function before the hoist is under substantial force.
- B. Limit Lever is the mechanical actuator, which positively activates the limit switch system when the hoist are over lifted or over lowered.
- C. Limit Switch instantly stops the hoist when over lifting or over lowering.



High ED Percent Rating

(In accordance with (JIS) B8815-1994)

Model	ED %
EC4 (1- speed type)	40%
ECT4 (2- speed type)	25%
ECC4 (single phase type)	25%

Durable Brake

The solenoid brake system responds instantly and will safely support the load during power failures. This brake system has proven to be extremely long wearing and will keep servicing costs down.

Electro-Magnetic Controlled (EC4 & ECT4) - IMPORT!!!

Models EC4 (1-speed type) and ECT4 (2-speed type) are electoro-magnetic controlled with 24-volt, and will protect the operator from harmful electrical shocks.

Short Head Room

The ingeniously designed compact construction permits the highest possible lift where the last inch of lift must be obtained - compare the difference with equivalent models.

Remarkable Durability

The EC4 Series is designed and made to Grade M4 of Japanese Industrial Standard (JIS) B8815-1994 Electric Chain Hoist.

Easy Servicing

The robust steel design gives easy access to all of the major mechanical and electrical components, which simplifies inspection, maintenance and the replacement of components.

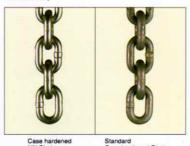
Useful Operation Manual

With each hoist is supplied a comprehensive operation manual providing sufficient instructions and information on installation, operation and maintenance with illustrated parts list.

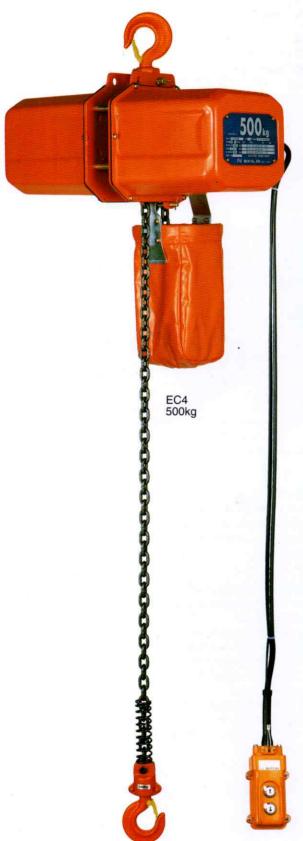
Optional Equipment

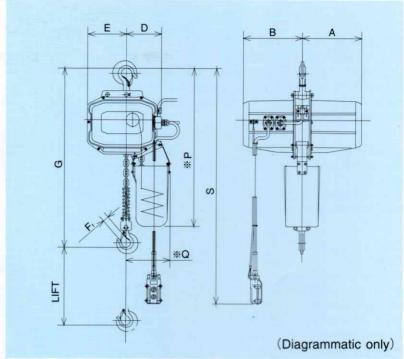
The following optional equipment are available at modest extra charges:-

- A. Electric type over load protection
- B. Friction type over load protection
- C. Negative Phase protection (Warning system to prevent incorrect connection of the power souce)
- D. Push button switch with emergency stop
- E. NN Case hardened Chain (Non-electrolytic nickel plating fused into the surface of the chain)

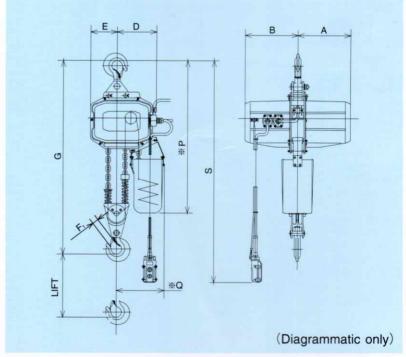


1-Speed Electric Chain Hoist / 2-Speed Electric Cl





EC4 250kg, 500kg &1t ECT4 250kg, 500kg &1t ECC4 300kg & 500kg



EC4 1t w & 2t ECT4 1t w & 2t ECC4 1t w

in Hoist / Single-Phase Electric Chain Hoist

EC4 (1-Speed)

One speed electric chain hoists are available in 5 different sizes ranging from light 250 kg to heavy 2 t capacities.

STANDARD SPECIFICATIONS: Model EC4 Suspended Type One speed Electric Chain Hoist

Item	Rated	Lift	Lifting Speed (m/min)		Motor output (kW)		Rating	Load chain		Cable	Length	Minimum	Net	Major Dimension (approx.) (mm)								
No.	load	(m)	50Hz	60Hz	50Hz	60Hz	(min.)	Dia. (mm)	No. of falls	Power Source (m)	Pendant S(m)	head room G (mm)	weight (approx.) *(kg)	А	В	D	E	Fı	*P	*Q		
EC40025	250kg	3.0	8.7	10.3	0.4	0.5					2.6	485	35									
L040023	LOOKS	6.0	0.7	10.3	0.4	0.5			1		5.6	485	38			137	1.40	20	000	105		
EC40050	500kg	3.0	8.6	10.1				6.3	(1)		2.6	520	37	245	245	13/	149	20	660	195		
LC40000	SOOKS	6.0	0.0	10.1	0.9	1.1		0.0			5.6	520	41	245	245							
ECJ40100	1t w	3.0	4.3	5.0	0.9	1.1	30		2	5.0	2.6	660	43			167	119		715	225		
20040100	1 C VV	6.0	4.0	3.0			30		-	3.0	5.6	000	49			107	119	25	835	225		
EC40100	1t	3.0	5.6	6.6					1		2.6	570	49			150	168	20	710	200		
L040100		6.0	5.0	0.0	1.1	1.3		7.1			5.6	370	52	255	255	130	100		710	200		
ECJ40200	2t	3.0	2.8	3.3	l sele	1.0		6.1	2		2.6	755	58	200	200	191	127	30	770	240		
200-0200	Le C	6.0	2.0	0.0					-		5.6	733	65			131	127	30	890	240		

^{1.} The values marked * are valid for the standard 3 meter lift and will vary in accordance with the lift.

ECT4 (2-Speed)

Two speed electric chain hoists are also available in 5 different capacities ranging from 250 kg to 2t. The 4 to 1 speed ratio of Model ECT4 is ideal for a large variety of applications...no more cumbersome inching, the slow speed works accurately when spotting the load to a desired position, and with the fast speed the load can be quickly and efficiently handled. The slow and fast speeds are both completely at your command with the dual-stage push button switch. For slow speed press the buttons halfway down, and the fast speed can be obtained by completely depressing the buttons.

STANDARD SPECIFICATIONS: Model ECT4 Suspended Type Two speed Electric Chain Hoist

Item No.	Rated	Lift			Spee/min)	ed	Motor output (kW)				Rating (min.)		Load chain		Cable	Length	Minimum head room	Net weight	Major Dimension (approx.) (mm)							
	load	(m)	F	ast	Slow		Fast		Slow		East	Slow	Dia.	No.	Power Source	Pendant	G	(approx.)	× -			-	_			
	iodd	(Lity)	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	rasi	SIOW	(mm)	of falls	(m)	S(m)	(mm)	∰(kg)	А	В	D	Е	F1 20	*P	₩Q	
ECTADOSE	250kg	3.0	8.7	10.3	2.2	2.6	0.4	0.5	0.1	0.13						2.6	405	37								
EU140025	SOURE	6.0	0.7	10.3	2.2	2.0	0.4	0.5	0.1	0.13				١,		5.6	485	40			107	140	00	000	105	
ECT40050	500kg	3.0	8.6	10.1	2.2	2.6							6.3	- 1		2.6	520	41	OVE	245	137	149	20	660	195	
EU140050	DOOKE	6.0	0.0	10.1	2.2	2.0	0.9	1.1	0.00	0.28			0.3			5.6	520	44	240	245						
ECTJ40100	1t w	3.0	4.3	5.1	1.1	1.3	0.9	1.1	0.23	0.20	30	10		-	5.0	2.6	660	47			167	119		715	205	
EC1340100	I L W	6.0	4.3	0.1	141	1.0					30	10		2	5.0	5.6	000	52			107	119	OF.	835	225	
ECT40100	1t	3.0	5.6	6.7	1.4	1.7			1					1		2.6	570	54			150	168	20	710	200	
EG140100	1.0	6.0	0.0	0.7	1.4	1.7	1.1	1.3	0.27	0.33			7.1	1	1 1	5.6	370	58	255	255	150	100		/10	200	
ECTJ40200	2t	3.0	2.8	3.3	0.7	0.8	l.l	1.0	0.27	0.55			7.1	2		2.6	755	63	200	200	191	107	20	770	240	
E01040200	21	6.0	2.8	0.0	0.7	0.0								2		5.6	/55	70			191	127 30 8	890	240		

^{1.} The values marked * are valid for the standard 3 meter lift and will vary in accordance with the lift.

ECC4 (Single-Phase)

Single phase electric chain hoists are available for 300 kg, 500 kg and 1t w capacities. Model ECC4 is specially designed and manufactured for the efficient handling of loads on household power sources.

N.B. Low voltage control optional extra.

STANDARD SPECIFICATIONS: Model ECC4 Suspended Type Single Phase Electric Chain Hoist

Item	Rated	Lift		Speed min)	Motor output (kW)		Rating	Load chain		Cable Length		Minimum	1000	Major Dimension (approx.) (mm)								
No.	load	(m)	50Hz	60Hz	50Hz	60Hz	(min.)	Dia (mm)	No. of falls	Power Source (m)	Pendant S(m)	head room G (mm)	(approx.) *(kg)	А	В	D	Е	Fı	*₽	*Q		
ECC40030	300kg		5.4	6.4								485	36			137	140	00	000	105		
ECC40050	500kg	3.0	3.2	3.8	0	.4	15	6.3		5.0	2.6	520	36	245	245	137	149	20	660	195		
ECCJ40100	1t w		1.6	1.9				- 31	2			660	42			167	119	25	715	225		

^{1.} The values marked * are valid for the standard 3 meter lift and will vary in accordance with the lift.

^{2.} The design, materials and specifications are subject to change for improvements without notice.

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^{3.} Refer to page 5 & 6 for the specifications of the trolleys.

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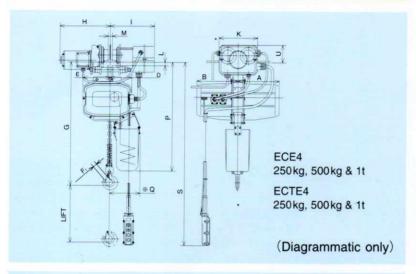
^{3.} Refer to page 5 & 6 for the specifications of the trolleys.

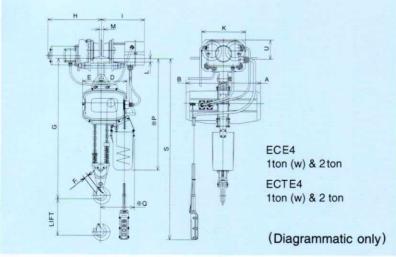
Electric Chain Hoist with Trolley

Models ECE4, ECG4 and ECP4

Model EC4 electric chain hoists are also available direct-coupled to motorized, geared or plain trolleys with mechanical joining devices. All of the trolleys are adjustable and will suit the beam widths listed in the tables. Trolleys for wide and narrow beams are also available at moderate extra charges.

ECE4 1-Speed Electric Chain Hoist with Motorized Trolley







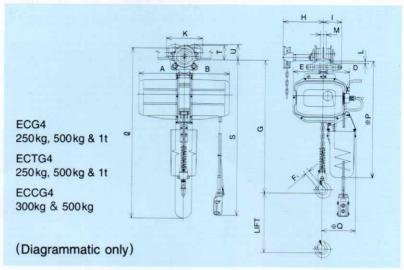
STANDARD SPECIFICATIONS: Model ECE4 Motorized Trolley Type Electric Chain Hoist

Item	Rated	Lift		ng Speed min)	Motor	Rating	Breadth	Minimum radius for	Cable	Length	Minimum	Net					Ма	jor Dir	nensio	on (a	pprox.) (mm)			
No.	load	(m)		60Hz	output	(min.)	Beams b (mm)	curve	Power Source (m)	Pendant S(m)	head room G (mm)	Weight (approx.) *(kg)	А	В	D	Е	F ₁	Н	1	K	L	М	*P	*Q	U
ECE40025	250kg	3.0								3.0	495	62													
LUL40025	ZUUKB	6.0								6.0	495	66			100	1.40	20						070	105	
ECE40050	500kg	3.0	- 10		. 1		75			3.0	530	65	245		1.55	149	20						670	195	
LUL40000	SOURE	6.0			0.2		100			6.0	530	69	240	240				b/2	b/2 +240	240	32-t2	b-49			99
ECJE40100	1t w	3.0	20	24	0.2	30	125	1.0	1.0	3.0	660	71			150	119		+280	+240	240	35-15	0-49	715	005	+te
LC0L40100	1.0 00	6.0	(10)	(12)		30	125	1.0	1.0	6.0	000	77			100	118	25						835	225	
ECE40100	1t	3.0								3.0	565	76			100	168	20						705	000	
20240100	1.0	6.0								6.0	303	80	255	255	(1000)	100			(8)				705	200	
ECJE40200	2t	3.0			0.4		100			3.0	780	107	200	200		127	30	b/2	b/2	200	33-t2	b-70	790	0.40	121
L00L40200	Cl	6.0			0.4		150		10	6.0	780	114			177	12/	00	b/2 +325	b/2 +250	300	00-12	0-70	910	240	+t2

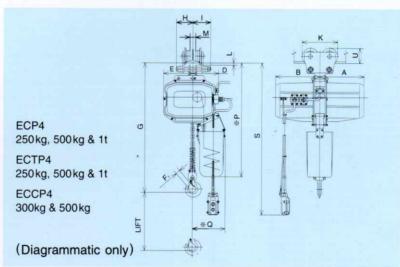
- 1. The values marked * are valid for the standard 3 meter lift and will vary in accordance with the lift.
- The design, materials and specifications are subject to change for improvements without notice.
 The values in the () are for motorized trolleys with half speed.
 Refer to the above beam drawing for dimensions b and t₂.

Geared Trolley Type Electric Chain Hoist





ECP4 Plain Trolley Type Electric Chain Hoist



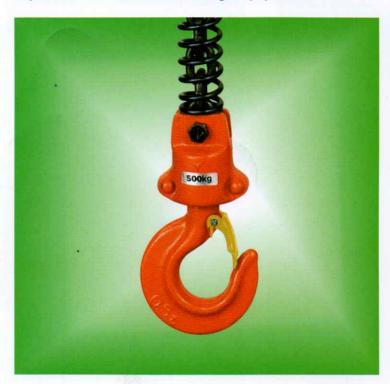
STANDARD SPECIFICATIONS:

Model ECG4 Geared Trolley Type Electric Chain Hoist & Model ECP4 Plain Trolley Type Electric Chain Hoist

	Rated	Lift	Breadth	Minimum radius for	Cable	Length	Minimum					E	CG4	E	CP4						E	CG4			ECP4
No.			of Beams	radius for curve	Power	Pendant	head room G				Мајо	r Din	nens	ion (appro) (.x	nm)			Hand Chain	Н	Т	Net Weight	Н	Net Weight
NO.	load	(m)	b (mm)	(m)	Source (m)	S(m)	(mm)	А	В	D	Е	Fi	1	K	L	М	*₽	₩Q	U	Length (m)	(mm)	(mm)	(approx.) *(kg)	(mm)	(approx.) *(kg)
ECG40025	250kg	3.0				2.6	475													3.0			47		41
ECP40025	ZUUNG	6.0				5.6	4/5			137	149	20					650	195		6.0			53		45
ECG40050	500kg	3.0	75			2.6	510	245	245	12.00	149	20					000	130		3.0			49		44
ECP40050	JUUNE	6.0	100			5.6	310	240	240				105	200	24-t2	h.40			80+t2	6.0	b/2 +190	72+t2	55	105	47
ECJG40100	1t w	3.0	125	1.0	5.0	2.6	640		-	167	119		100	200	24-12	U-42	695	225	OUTLE	3.0	+190	15+15	55	105	50
ECJP40100	10.00	6.0	123			5.6	040			107	113	25					815	220		6.0			63		55
ECG40100	1t	3.0				2.6	550			150	168	20					685	200	- 1	3.0	,		60		55
ECP40100	10	6.0				5.6		255	255		100						000	200		6.0			67		59
ECJG40200	2t	3.0	100 125	1,2		2.6	765	200	200	numeron.	127	30	128	262	29.to	h.63	775	240	102410	3.0	b/2	115+te	80	128	73
ECJP40200	21	6.0	150	1.2		5.6	700			191	121	30	128	202	28-t2	0-63	895	240	102+ta	6.0	-150	110+12	90	120	80

- The values marked ** are valid for the standard 3 meter lift and will vary in accordance with the lift.
 The design, materials and specifications are subject to change for improvements without notice.
 Refer to the above beam drawing for dimensions b and t₂.
 The standard specifications for EC4 are on page-4.

NITCHI.... a world renowned name for labor - saving dependable Materials Handling Equipment



- Electric chain hoists(1- speed type)
- Electric chain hoists (2- speed type)
- Motorized trolleys
- Manual operated chain hoists
- Manual operated trolleys (geared & plain)
- Ratchet lever hoists
- Cranes (top running type & suspension type)
- Jib cranes (semicircular & circular swivelling type)
- Webbing sling (polyester)

and more ... for specific reqirements