



Electric chain hoist

DLC series

Electric chain hoist

DLC series – compact and reliable

Donati Sollevamenti has been established since 1930, in these years we have gained a leading position in the international market for lifting equipment. The different solutions and the reliability of the products such as electric chain hoists find their applications in all types of industries. The markets request and the client's satisfaction represent Donati's target activity, backed up with spare parts assistance and our after sales department.

Electric chain hoists from Donati Sollevamenti offer outstanding state-of-the-art industrial design together with European engineering manufactured in accordance with national and international engineering standards. The DLC range features a particularly compact design, low-noise operation and high-quality aluminium housing components. Installation is very easy thanks to the suspension eye. It can be combined with a push-travel or electric-travel trolley, as required.

Decisive advantages

- Compact dimensions and low deadweight
- Available for stationary applications or with push-travel or electric trolley
- Two lifting speeds with 1:4 ratio as standard
- Direct on-line or low-voltage contactor control
- Suspension eye for simple installation
- 4 m standard hook path for universal applications
- Ergonomic control pendant with emergency stop
- Electric trolley with two travel speeds as standard
- Proven, reliable technology

DLC electric chain hoists are available with load capacities up to 2,000 kg. Thanks to their robust and reliable design, they are suitable for universal applications in industry as well as in small workshops.



The hoist in details

Design and manufacture

- **Hoist motor:** adjustable conical brake for long service life with high insulation class suitable for high ambient temperatures and duty factors, main and creep lifting speeds in F4 ratio
- **Gearbox:** two or three-stage design with coaxial arrangement and oil lubrication for reliable lubricant supply and heat dissipation
- **Slipping clutch:** adjustable overload protection in accordance with the latest national and international rules for protection against overload; emergency limit stop arrangement in the highest and lowest positions, running in oil

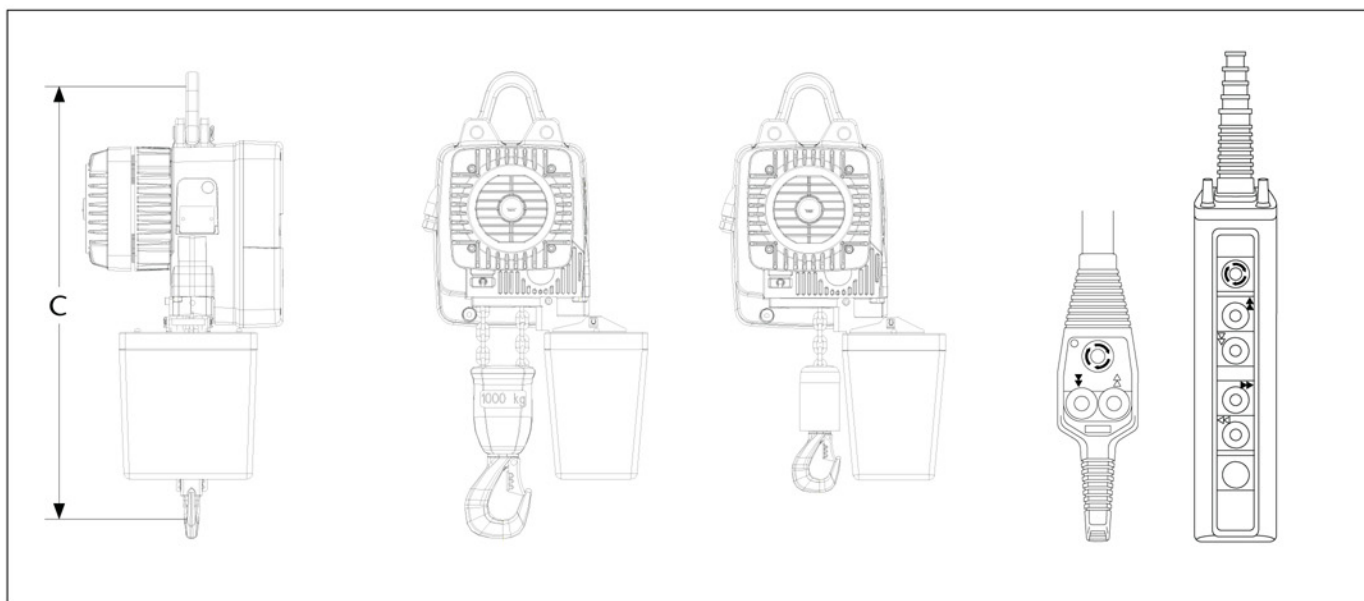


- **Chain / chain drive:** high-quality special hoist chain made of ageing-resistant material with hardened surface to protect against aggressive environments; robust low-wearing chain guide
- **Control:** direct on-line control as standard, integrated contactor control for hoist and travel drive can be installed as an alternative



- **Control pendant:** control pendant switch with integrated strain relief and mechanical or electrical interlocks depending on the design, IP 54 enclosure to DIN VDE 0470 T.I and EN 60 529 as standard





DLC chain hoists

Size	DLC 1		DLC 2	DLC 5	DLC 10
Reeving	1/1	2/1	2/1	2/1	2/1
Load capacity	125	250	500	1000	2000
FEM	1Am		1Am	1Bm	1Bm
Hook path	4/8				
Main lifting speed (50Hz) m/min	8	4	5	5	4
Creep lifting speed (50Hz) m/min	2	1	1.25	1.25	1
Hoist motor	0.2/0.05 kW		0.5/0.13 kW	1.0/0.25 kW	1.5/0.35 kW
	40/20 % CDF				
	120/240 Starts/h				
	2910/710 rpm		2920 /715 rpm	2880/700 rpm	2880/700 rpm
	380 V / 50 Hz		380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz
Hook dimension C	450 mm	468 mm	550 mm	665 mm	750 mm
Weight	16 kg	17 kg	34 kg	53 kg	78 kg

- Supply voltage for DLC electric chain hoist and EU travel drive is 380 V three-phase alternating current at 50 Hz
- Models: solo (stationary), push travel (DMT), electric travel (DET)
- IP 54 enclosure

DMT trolleys

Size	DMT 11	DMT 22
Load capacity	1100 kg	2200 kg
Suitable for sizes:	DLC 1, 2, 5	DLC 10
Flange width	58–90 mm 98–125 mm	82–125 mm 131–170 mm
Minimum curve radius	1000 mm	1800 mm
Weight	10 kg	23 kg

DET electric travel drives

Size	DET 11	DET 22
SWL	1100 kg	2200 kg
Suitable for sizes:	DLC 1, 2, 5	DLC 10
Flange width	58–90 mm 98–125 mm	82–125 mm 131–170 mm
Main travel speed (50Hz)	14 m/min	14 m/min
Creep travel speed (50 Hz)	4.6 m/min	4.6 m/min
Travel motor	0.05 PN/0.17 kW	0.05 PN/0.17 kW
Duty factor	40/20 %	40/20 %
Voltage	380 V/50 Hz	380 V/50 Hz
Minimum curve radius	1400 mm	1800 mm
Weight	24 kg	38 kg

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