



ECC 30 / ECC 36 / ECC 42 / ECC 800 Continuous Coiler

Expertise, Customer Driven, Service – in Good Hands with NIEHOFF



ECC 30 / ECC 36 / ECC 42 / ECC 800

Design:

- robust construction, easy and reliable operation
- easy synchronization with existing equipment, due to own PLC and dancer for speed adjustment
- strong planetary gear flyer
- rosette pattern lay using either RDF (Rotating Deflecting Fingers) or RTT (Rotating Thumping Table)

Increase in quality:

- excellent coiled package quality at high coiling speeds
- high package quality through repeatable and accurate fingers adjustment during operation by means of a motor operated "Spring Finger Gang Adjustment"

Increase in productivity:

- at next process step: tangle-free pay-off at high speeds
- inline operation with high speed drawing and extrusion lines
- application: insulated stranded conductors, hard and soft bare wire (Cu, Al, Al-Alloys) and plated wire

Energy and cost efficiency:

- suitable for use with baskets, cardboard barrels and stems (stems require optional door system)

Options:

- fixed or rotating door for stems
- stem pusher or chain conveyors for semiautomatic load/unload of baskets
- orbital accumulator

Technical data

coiler type		ECC 30	ECC 36	ECC 42	ECC 800
wire range *					
insulated stranded conductor **	mm	0.8 – 3.2	0.8 – 4.1	0.8 – 4.1	0.8 – 4.1
	AWG	20 – 8	20 – 6	20 – 6	20 – 6
	mm ²	0.5 – 8.4	0.5 – 13.3	0.5 – 13.3	0.5 – 13.3
soft solid copper	mm	1.3 – 3.2	1.3 – 4.1	1.3 – 4.1	1.3 – 4.1
	AWG	16 – 8	16 – 6	16 – 6	16 – 6
hard solid copper	mm	1.3 – 2.5	1.3 – 3.2	1.3 – 3.2	1.3 – 3.2
	AWG	16 – 10	16 – 8	16 – 8	16 – 8
package weight (bare copper)	kg	1,000 – 1,800	1,000 – 2,200	1,500 – 2,500	1,000 – 2,000
	lb.	2,200 – 3,800	2,200 – 4,800	3,300 – 5,500	2,200 – 4,400
top speed	m/s	31	38	43	34.5
	fpm	6,200	7,600	8,500	6,800
nominal capstan diameter	mm	760	915	1,065	830
	inch	30	36	42	32.6
drive	kW	30	30	30	30
	HP	40	40	40	40

* wire range applicable to RTT

** max. O.D. = 6.3 mm (0.25")

We reserve the right to modify technical specifications according to technical improvement and advances. 04.2014