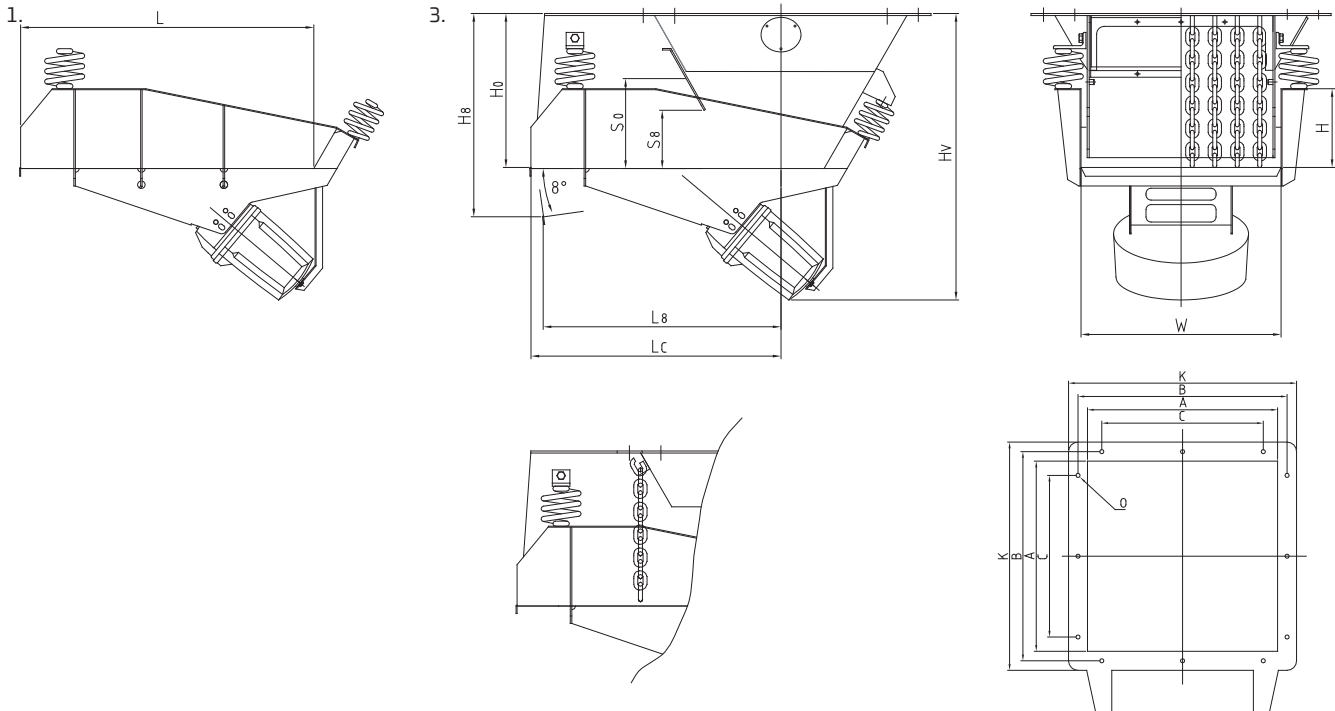


## Open Vibratory Feeder Type **FCE-3NL** with Electromagnetic Vibrator



Feeder Size W/L <sub>0</sub>	Capacity m <sup>3</sup> /h 2)		Dimensions trough Profile (mm)			Vibrator Type 1)	Weight kg Excl. wear liner		Installation Requirements (mm)											Diameter (D)	Quantity (Q)	
	0°	8°	Width (W)	Height (H)	Wear Lining 3)		1	3	L	L <sub>c</sub>	H <sub>0</sub>	H <sub>v</sub>	L <sub>8</sub>	H <sub>8</sub>	S <sub>0</sub> 4)	S <sub>8</sub> 4)	A	B	C			K
020/0025	6	8	200	80	3	2D	15	20	305	250	170	395	240	220	80	115	250	290	210	330	11	8
020/0050	10	10	200	80	3	4D	20	25	550	500	170	440	490	260	80	115	250	290	210	330	11	8
028/0036	12	16	280	112	3	4D	20	30	435	360	235	465	350	300	110	150	360	400	330	450	14	8
028/0071	18	20	280	112	3	8D	45	55	780	710	230	540	695	350	110	150	360	400	330	450	14	8
040/0050	35	44	400	160	3	8D	45	80	595	500	335	635	475	430	170	220	500	580	450	650	18	8
040/0100	45	60	400	160	3	20D	95	130	1090	1000	360	745	980	510	170	220	500	580	450	650	18	8
056/0071	75	100	560	225	4	20D	90	170	830	710	485	860	690	620	300	380	710	800	610	870	22	8
056/0125	80	105	560	225	4	50D	195	285	1365	1250	460	1015	1210	680	300	380	710	800	610	870	22	8
080/0100	175	225	800	315	5	50D	225	445	1170	1000	650	1150	950	850	365	475	1000	1100	2x425	1200	22	12
080/0160	185	240	800	315	5	100D	410	665	1780	1600	650	1310	1550	930	365	475	1000	1100	2x425	1200	22	12
100/0125	260	340	1000	400	5	100D	460	870	1560	1250	720	1400	1185	955	440	600	1250	1400	2x525	1490	27	12
100/0200	270	350	1000	400	5	2x100D	850	1315	2310	2000	720	1520	1935	1070	440	600	1250	1400	2x525	1490	27	12
125/0160	350	450	1250	500	6	2x100D	910	1750	1865	1600	1085	1890	1530	1385	620	790	1600	1750	2x650	1900	27	12

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- 1) See appropriate data sheets for vibrators and controllers.
- 2) The capacities stated are indicative for naturally moist sand 0-3 mm. Be aware that the capacities are stated in m<sup>3</sup>/h.
- 3) In feeders with steel plate wear liners, capacity is reduced by approx. 25%.
- 4) By replacing the trough gate with a chain curtain the opening is enlarged by approx. 50%.

Please contact us for further information regarding exact dimensions and installations.

## Open Vibratory Feeder Type **FCE-3NL** with Electromagnetic Vibrator

### Feeder capacity can be regulated in 3 ways:

#### By declining the vibratory trough

Depending on the material, and on the optional trough lining, capacity is increased by approximately 30% by an 8° decline.

#### By adjusting the trough gate

Adjusting the trough gate allows a continuously variable regulation of the depth of material on the vibratory trough.

#### By means of the control

By means of the control, it is possible to achieve an infinite variation from 0% to 100% of the preset capacity.

### Feeder size is chosen on the basis of:

#### Primarily, capacity in cubic metres per hour (m<sup>3</sup>/h)

Bulk densities in the range 0,3-5t/m<sup>3</sup> have an insignificant influence on the capacity of feeders with electromagnetic vibrators.

#### Secondarily, particle size and material characteristics

Normally the indicated capacities are achievable when particle sizes are no larger than 1/10th of the trough width.

The feeders are able to handle considerably coarser materials, but with reduced capacity.

To avoid jamming, materials containing lump sizes larger than 1/3<sup>rd</sup> of the maximum gate opening, should only be handled in larger feeders.

### Feeder Design:

All standard feeder sizes are available in a short version; the smaller sizes are also available in a long version for materials with a low slope angle.

A horizontal trough gives the following minimum slope angles at maximum and minimum gate openings:

**Short feeders:** approximately 30° and 15°, respectively.

**Long feeders:** approximately 15° and 7°, respectively.

Vibratory troughs may be lined with e.g rubber, PEHD, PUR, steel etc. The type of liner is selected according to the nature of the material to be handled (e.g sticky, corrosive or very abrasive).

Feeders with no wear lining are appropriate for proportioning from e.g rarely emptied silos. The material may be slightly to moderately abrasive, e.g vegetables, gravel and sand.

