

Features

- Gentle material processing and excellent mixing due to the unique principle of operation.
- Modular setup for maximum flexibility
- Excellent self-cleaning
- 3-flight technology provides broadest processing windows
- Minimum wear due to low pressure processing unit
- Possibility to incorporate highest amounts of fillers
- Easy access to process sections by smart design
- High turndown ratios at consistent uniform properties
- Adjustable Shear Rate Level

Kneader Data

| Technical Data | Continuous Kneader | | | Discharge Unit | | |
|----------------|----------------------|-----------------------|------------------------|----------------------|-----------------------|------------------------|
| | Screw diameter mm | Process length L/D | Max. drive power kW | Screw diameter mm | Process length L/D | Max. drive power kW |
| Type | | | | | | |
| CK 45 | 45 | 8 - 24 | 20 | 55 | 6 | 6 |
| CK 100 | 100 | 8 - 24 | 250 | 160 | 6 | 45 |
| CK 120 | 120 | 8 - 24 | 250 | 160 | 6 | 45 |
| CK 150 | 150 | 8 - 24 | 500 | 200 | 6 | 90 |
| CK 200 | 200 | 8 - 24 | 1'200 | 250 | 6 | 120 |
| CK 225 | 225 | 8 - 24 | 1'500 | 300 | 6 | 180 |
| CK 240 | 240 | 8 - 24 | 2'000 | 300 | 6 | 180 |

| Capacity (kg/h) | HFFR | Semicon | XLPE Silane | XLPE peroxide | PVC Compounding |
|-----------------------|---------------|---------------|---------------|---------------|-----------------|
| CK 45 | 25 – 50 | 30 – 60 | 30 – 60 | 40 – 70 | 60 – 100 |
| CK 100 | 300 – 600 | 350 – 700 | 500 – 700 | 600 – 800 | 700 – 1'200 |
| CK 120 | 450 – 900 | 550 – 1100 | 700 – 1100 | 900 – 1'200 | 1'200 – 1'800 |
| CK 150 | 750 – 1500 | 900 – 1'750 | 1'200 – 1'800 | 1'500 – 1'600 | 2'000 – 3'500 |
| CK 200 | 1'400 – 2'600 | 1'600 – 3'000 | 2'300 – 3'200 | 2'500 – 3'200 | 4'000 – 5'600 |
| CK 225 | 1'600 – 3'000 | 1'800 – 3'500 | 2'600 – 3'600 | – | 5'000 – 8'000 |
| CK 240 | 1'800 – 3'500 | 2'200 – 4'000 | 3'000 – 4'400 | – | 6'000 – 10'000 |
| Spec. energy (kWh/kg) | 0.08 – 0.14 | 0.15 – 0.20 | 0.18 – 0.25 | 0.12 – 0.16 | 0.05 – 0.08 |

| Capacity (kg/h) | Calendering | Thermoset | Elastomer | Black MB/Jacketing | Engineering Plastics |
|-----------------------|----------------|-------------|-------------|--------------------|----------------------|
| CK 45 | 60 – 100 | 10 – 40 | 15 – 50 | 40 – 70 | 30 – 60 |
| CK 100 | 700 – 1'200 | 125 – 500 | 190 – 640 | 500 – 750 | 390 – 775 |
| CK 120 | 1'200 – 1'800 | 200 – 800 | 300 – 1000 | 750 – 1'200 | 600 – 1200 |
| CK 150 | 2'000 – 3'500 | 350 – 1400 | 550 – 1800 | 1'200 – 1'900 | 1100 – 2200 |
| CK 200 | 4'000 – 5'600 | 750 – 3000 | 1100 – 3600 | 2'300 – 3'500 | 2200 – 4400 |
| CK 225 | 5'000 – 8'000 | 900 – 4000 | 1500 – 4900 | 2'600 – 4'000 | 3000 – 5900 |
| CK 240 | 6'000 – 10'000 | 1150 – 4600 | 1750 – 5700 | 3'000 – 5'000 | 3500 – 7000 |
| Spec. energy (kWh/kg) | 0.05 – 0.08 | 0.12 – 0.22 | 0.20 – 0.30 | 0.15 – 0.25 | 0.15 – 0.25 |