Components

Power Factor Correction Capacitors and accessories





LKT Power Factor Correction Capacitors

- Power range from 1.0 to 40.0 kvar
- Voltage range from 208 V to 800 V, 50/60 Hz
- Dry type
- Triple safety features

Recommended applications

FRAKO power capacitors are in use worldwide for correcting power factor. They are manufactured in four categories:

- Basic
- Standard
- Premium
- Heavy Duty

These categories differ in their current-carrying capacity, ambient temperature and service life specifications, making it possible to design and install power factor correction systems to meet individual requirements.



/ Description

FRAKO power capacitors have been developed and manufactured for decades solely at the company's Teningen production site in Germany. This has resulted in a consistently high product quality being maintained, the basis for assured operational reliability and a long service life.

Versions and Ratings

FRAKO power capacitors are manufactured as single- and 3-phase versions.

- Rated voltage: 208 V bis 800 V
 Rated frequency: 50 / 60 Hz
- Power rating: 1.0 to 40.0 kvar

Other power and voltage ratings on request.

Construction

FRAKO power capacitors are enclosed in cylindrical aluminium casings provided with M12 mounting studs. Each contains up to three capacitor coils wound in a low-loss, self-healing dielectric material consisting of segmented, metallized polypropylene film. In addition to a PCB-free flame-resistant mineral filler material, the casings also contain an adhesive stabilizer. Permanently connected external discharge resistors guarantee that the residual voltage falls to below 50 V within one minute after the capacitor has been disconnected. The electrical connections are by means of flat push-on terminals (IP00) or a patented spring-clamp connector (IP20) available separately.

A high quality manufacturing process enables capacitance tolerances of +/-5 % to be achieved in serial production.

The power losses are as follows:

- approx. 0.2 W/kvar dielectric losses in the capacitor coil
- approx. 0.5 W/kvar at the capacitor terminals

Standards

- IEC 60831-1 and 2
- EN 60831-1 and 2
- UL 810
- CSA 22.2 No. 190

Special Technical Features

The following parameters are especially important in the operation of power capacitors:

- Overvoltage capacity
- Current-carrying capacity
- Thermal endurance
- Service life
- Reliability when overloaded

Overvoltage Capacity

In compliance with the standards EN 60831-1 and 2 (and IEC 60831-1 and 2) for power capacitors, these **FRAKO** products are designed to withstand the following overvoltages:

| Rated voltage [V] / 50 Hz | | 300 | 400 | 440 | 480 | 525 | 600 | 615 | 690 | 760 | 800 |
|---------------------------------|-----|-----|-----|-----|-------|-------|--------|--------------|-----|-----|------|
| | | | | Ма | x. ov | vervo | oltage | e [V] | | | |
| 8 hours daily | 264 | 330 | 440 | 484 | 528 | 578 | 660 | 677 | 759 | 836 | 880 |
| 30 min. daily | 276 | 345 | 460 | 506 | 552 | 604 | 690 | 707 | 794 | 874 | 920 |
| 5 min. | 288 | 360 | 480 | 528 | 576 | 630 | 720 | 738 | 828 | 912 | 960 |
| 1 min. | 312 | 390 | 520 | 572 | 624 | 683 | 780 | 800 | 897 | 988 | 1040 |

Current-Carrying Capacity

The levels of harmonic distortion in power networks are constantly on the rise globally, making it essential to design capacitors to handle increased current loading.

The applicable standards call for a continuous current-carrying capacity of at least 1.3 times the rated current. At extreme levels of harmonics, however, even this value can be exceeded. For this reason **FRAKO** power capacitors are designed for a continuous current-carrying capacity of at least 1.5 times the rated current I_{N} .

| Category | Basic | Standard | Premium | Heavy Duty |
|---|---|--|--|---|
| Max. overcurrent 50 Hz / 60 Hz (continuous) | 1.5 x I_N 1.25 x I _N | 1.8 x I_N 1.5 x I _N | 2.2 x I_N 1.8 x I _N | 2.7 x I_N 2.25 x I _N |
| Max. allowable inrush current peak 50 Hz / 60 Hz | 200 x I_N 167 x I _N | 250 x I _N 208 x I _N | 300 x I_N 250 x I _N | 450 x I_N 375 x I _N |

Thermal Endurance

Excessive temperatures have a negative impact on the service life of a power capacitor. Storage or operation of capacitors above their permitted temperature limits results in a drastic shortening of their service life. Power capacitors are assigned to different temperature classes according to the permitted ambient temperature as follows:

Temperature Permitted ambient temperature

| class | Maximum | Average over 24 h | Max. average over 365 days |
|-------|---------|----------------------|----------------------------------|
| В | 45 °C | 35 °C | 25 °C |
| С | 50 °C | 40 °C | 30 °C |
| D | 55 °C | 45 °C | 35 °C |



The stated temperatures refer to the direct environment of the capacitor. In an enclosure or a control cabinet the internal temperature can easily exceed the stated maximum or average levels. A typical example is the interior of a detuned power factor correction system. Power capacitors in the Standard, Premium and Heavy Duty categories are therefore designed for continuous ambient temperatures higher than those stated for the temperature classes. This is helped by the compact construction of the capacitors, which is conducive to optimum heat dissipation.

| Category | Basic | Standard | Premium | Heavy Duty |
|--|--------|----------|---------|---------------|
| Minimum temperature | -25 °C | -40 °C | -40 °C | -40 °C |
| Maximum temperature | +55 °C | +60 °C | +65 °C | +68 °C |
| Maximum temperature (continuous) | - | +60 °C | +65 °C | +68 °C |
| Temperature class | D | - | - | - |

Service Life

The use of rigorously inspected materials and their careful processing guarantee high quality and a long product service life. **FRAKO** manufactures its capacitors to its own in-house specifications, which are far more demanding than the requirements of the applicable standards.

Quality control inspections after each individual manufacturing step ensure that the final product is of a high quality. These demanding quality standards, together with specially developed manufacturing technology, enable **FRAKO** power capacitors to achieve a longerthan-average service life. At the end of the manufacturing process each capacitor is inspected individually. The in-house requirements for this special inspection are considerably more stringent than those of the routine tests specified by the relevant standard.

Reliability under Overload Conditions

The reliability of the capacitors is of fundamental importance for the uninterrupted operation of power factor correction systems. For this reason **FRAKO** has developed its unique triple safety concept. This comprises:

- Self-healing polypropylene film
- Overpressure disconnection system
- Segmented metallized film surfaces

The self-healing property of the dielectric material means that any puncture in the film is automatically isolated, since the heavy short-circuit current immediately vaporizes the very thin metal coating at the damaged location, so that only the insulating substrate film remains.



Self-healing effect

The overpressure disconnection system is designed to disconnect the capacitor from the network safely, without causing any further upset, if an excessive pressure develops inside the casing or at the end of the capacitor's working life. The lid of the capacitor is in the form of a diaphragm. Should puncturing of the dielectric occur on a large scale, this results in the substrate film melting and generating gas inside the casing, thus building up pressure. This causes the diaphragm lid to bulge outwards, thus displacing the terminals axially so that the internal leads to the coils act as mechanical fuses, breaking cleanly at defined locations. The relatively long travel of the terminals ensures reliable and safe disconnection, while the bulging of the lid increases the internal volume and therefore reduces the pressure inside the capacitor.



Principle of the overpressure disconnection system

The segmented film improves both these safety functions significantly. If puncturing occurs at several locations over a small area, it is possible that the relatively large amounts of energy involved will disrupt the effectiveness of the self-healing property. In this case, the segmented metallized surface offers ADDED safety, since an extremely overloaded segment will be completely isolated from the network, thus avoiding total disconnection by the overpressure function. This greatly extends the service life of the capacitor.



Segmented metallizing also has a positive impact on the reliability of the overpressure disconnection system. If extreme overloading occurs, the amount of energy released at the puncture location is reduced, hence minimizing the risk of the capacitor casing bursting before the overpressure disconnection system can act.

The combination of self-healing film, overpressure disconnection function and segmented metallizing therefore makes possible a high degree of operational dependability and reliable disconnection even if the capacitor is operated under conditions clearly deviating from its specifications.



Segmented self-healing capacitor film

FRAKO is the only manufacturer of power capacitors that combines these three protective functions in one capacitor.

Accessories

All **FRAKO** power capacitors can be fitted with WAGO CAGE CLAMP® connectors. These use special patented spring clamps that ensure a quick, permanent and maintenance-free electrical contact with the capacitor. This connector meets IP20 requirements and therefore provides protection against objects such as fingers inadvertently touching live conductors.

For capacitors up to 70 mm in diameter we also offer an insulating cap to cover the capacitor terminals. In combination with the cable sleeve also available, the insulating cap then provides IP54 ingress protection.

| Article-No. | Туре | Description |
|-------------|----------|---|
| 31-08000 | AKD 25/3 | Connector for three-phase capacitors, \varnothing 60/70 mm |
| 31-08002 | AKD 25/2 | Connector for single-phase capacitors, \varnothing 60/70 mm |
| 31-08003 | AKD 30/3 | Connector for three-phase capacitors, \varnothing 85 mm |
| 31-08004 | AKD 30/2 | Connector for single-phase capacitors, \varnothing 85 mm |
| 31-08005 | AKD-UL | Connector for UL range of capacitors |
| 69-00352 | LKK 60 | Insulating cap for \varnothing 60 mm capacitors |
| 69-00350 | LKK 70 | Insulating cap for \varnothing 70 mm capacitors |
| 69-00353 | LKK | Cable sleeve for insulating cap |



/ Technical Data

| Category | Basic Capacitor | Standard Capacitor | Premium Capacit | or | Heavy Duty Capacitor |
|---|---|--|---|---|---|
| Mode of operation | Basic | Standard | Premium | Standard* | Heavy Duty |
| Туре | LKTDB | LKTDP/EP | LKTDL | LKTDL | LKTHD |
| | LKTDB60 | LKTDP60 | LKTDL60 | LKTDL60 | LKTHD60 |
| Rated reactive power | 1.236 kvar | 0.440 kvar | 0.325 kvar | 0.330.9 kvar | 3.221.6 kvar |
| Rated voltage | 208525 V | 208800 V | 208525 V | 208615 V | 208525 V |
| Rated frequency | | | 50/60 Hz | | |
| Max. overvoltage | | | $\begin{array}{l} 1.10 \times V_{_{\rm N}} - 8 \ {\rm h.\ daily} \\ 15 \times V_{_{\rm N}} - 30 \ {\rm min.\ da} \\ 1.20 \times V_{_{\rm N}} - 5 \ {\rm min.} \\ 1.30 \times V_{_{\rm N}} - 1 \ {\rm min.} \end{array}$ | | |
| Max. overcurrent capability at rated voltage (permanent) | 1.5 × I_N / 50 Hz 1.25 × I _N / 60 Hz | 1.8 × I_N / 50 Hz 1.5 × I _N / 60 Hz | 2.2 × I_N / 50 Hz 1.8 × I _N / 60 Hz | 2.0 × I_N / 50 Hz 1.65 × I _N / 60 Hz | 2.7 × I_N / 50 Hz 2.25 × I _N / 60 Hz |
| Max. inrush current capability at rated voltage | 200 × I_N / 50 Hz 167 × I _N / 60 Hz | 250 × I_N / 50 Hz 208 × I _N / 60 Hz | 300 × I_N / 50 Hz 250 × I _N / 60 Hz | 300 × I_N / 50 Hz 250 × I _N / 60 Hz | 450 × I_N / 50 Hz 375 × I _N / 60 Hz |
| Temperature class | -25 °C / D** (-13 °F / D**) | -40 °C / +60 °C (-40 °F / +140 °F) | -40 °C / +65 °C (-40 °F / +149 °F) | -40 °C / +60 °C (-40 °F / +140 °F) | -40 °C / +68 °C (-40 °F / +154 °F) |
| Min. / max. temperature (permanent) | -25 °C / +55 °C (-13 °F / +131 °F) | -40 °C / +60 °C (-40 °F / +140 °F) | -40 °C / +65 °C (-40 °F / +149 °F) | -40 °C / +60 °C (-40 °F / +140 °F) | -40 °C / +68 °C (-40 °F / +154 °F) |
| Maximum case temperature | 70 °C (158 °F) | 75 °C (167 °F) | 78 °C (172.4 °F) | 75 °C (167 °F) | 78 °C (172.4 °F) |
| Dielectric power loss | | | 0.2 W/kvar | | |
| Power loss | | | 0.5 W/kvar | | |
| Test voltage terminal / terminal | | | 2.15 × V_N for 2s 1.85 × V_N for 18s | | |
| Test voltage terminal / case | | | 3900 V for 2 s | | |
| Isolation level | | | 3/8 kV | | |
| Mean life expectancy | 100 000 h | 130 000 h | 170 000 h | 130 000 h | 200 000 h |
| Maximum humidity | | | 95 % | | |
| Maximum altitude | | | 4000 m | | |
| Number of annual switching operations | 20 000 | 40 000 | 60 000 | 60 000 | 100 000 |
| Discharging level in 60 s | | | ≤ 50 V | | |
| Tightening torque for aluminium mounting screw (approx.) | | | 15 Nm | | |

* Generally, "Premium" (DL-type) capacitors can also be operated at higher voltages with the "Standard" (DP-type) specification.

** see table "Temperature class" on page 10



/ Dimensions





$/\!\!/$ Basic Capacitors (three-phase, V_N: 400 V...525 V)

Type LKT...-DB for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 H | | ower | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | | |
|-----------------|-----------------|---------------|--------------------|---------------------|---------------------|---------------------|------------------------------------|---|---------------------------------------|---------------------|--------------------|---------------------|--------------------------|
| | | [µ F] | | ~ | | ~ | | | | | | [A] | [mm] |
| | | | 230V | 250V | 300 V | 400V | 415V | 440V | 460V | 480V | 525V | | [kg] |
| 31-10414 | LKT 5-400-DB | 3 x 33.2 | 1.66 2.0 | 2.0 2.3 | 2.8 3.33 | 5.0 6.0 | | | | | | 7.2 8.7 | 60 × 150 0.550 |
| 31-10400 | LKT 6,25-400-DB | 3 x 41.4 | 2.1 2.5 | 2.4 2.9 | 3.5 4.2 | 6.25 7.5 | | | | | | 9.0 10.8 | 60 × 150 0.550 |
| 31-10415 | LKT 7,5-400-DB | 3 x 49.7 | 2.5 3.0 | 2.9 3.5 | 4.2 5.1 | 7.5 9.0 | | | | | | 10.8 13.0 | 60 × 150 0.550 |
| 31-10416 | LKT 10-400-DB | 3 x 66.3 | 3.33 4.0 | 3.9 4.7 | 5.6 6.8 | 10.0 12.0 | | | | | | 14.4 17.3 | 60 × 225 0.800 |
| 31-10401 | LKT 12,5-400-DB | 3 x 82.9 | 4.17 5.0 | 4.9 5.9 | 7.0 8.4 | 12.5 15.0 | | | | | | 18.0 21.7 | 60 × 225 0.800 |
| 31-10417 | LKT 15-400-DB | 3 x 99.5 | 5.0 6.0 | 5.9 7.0 | 8.4 10.1 | 15.0 18.0 | | | | | | 21.7 26.0 | 70 × 225 1.050 |
| 31-10418 | LKT 20-400-DB | 3 x 132.6 | 6.66 7.9 | 7.8 9.4 | 11.3 13.5 | 20.0 24.0 | | | | | | 28.9 34.6 | 85 × 215 1.500 |
| 31-10402 | LKT 25-400-DB | 3 x 165.8 | 8.33 9.9 | 9.8 11.7 | 14.1 16.9 | 25.0 30.0 | | | | | | 36.1 43.3 | 85 × 278 1.850 |
| 31-10403 | LKT 30-400-DB | 3 x 198.9 | 9.9 11.9 | 11.7 14.1 | 16.9 20.3 | 30.0 36.0 | | | | | | 43.3 52.0 | 85 × 320 2.150 |
| 31-10404 | LKT 6,25-440-DB | 3 x 34.3 | 1.7 2.0 | 2.0 2.4 | 2.9 3.5 | 5.2 6.2 | 5.6 6.7 | 6.25 7.5 | | | | 8.2 9.8 | 60 × 150 0.550 |
| 31-10412 | LKT 10-440-DB | 3 x 54.8 | 2.7 3.33 | 3.2 3.9 | 4.7 5.6 | 8.33 9.9 | 8.9 10.7 | 10.0 12.0 | | | | 13.1 15.7 | 60 × 225 0.800 |
| 31-10379 | LKT 12,5-440-DB | 3 x 68.5 | 3.4 4.1 | 4.0 4.8 | 5.8 7.0 | 10.3 12.4 | 11.1 13.3 | 12.5 15.0 | | | | 16.4 19.7 | 70 × 225 1.050 |
| 31-10406 | LKT 15-440-DB | 3 x 82.2 | 4.1 4.9 | 4.8 5.8 | 7.0 8.4 | 12.4 14.9 | 13.3 16.0 | 15.0 18.0 | | | | 19.7 23.6 | 70 × 225 1.050 |
| 31-10413 | LKT 20-440-DB | 3 x 109.6 | 5.5 6.66 | 6.5 7.8 | 9.3 11.2 | 16.5 19.8 | 17.8 21.4 | 20.0 24.0 | | | | 26.2 31.5 | 85 × 215 1.850 |
| 31-10407 | LKT 25-440-DB | 3 x 137.0 | 6.8 8.2 | 8.1 9.7 | 11.6 14.0 | 20.7 24.8 | 22.2 26.7 | 25.0 30.0 | | | | 32.8 39.4 | 85 × 278 1.500 |
| 31-10408 | LKT 30-440-DB | 3 x 164.4 | 8.2 9.8 | 9.7 11.6 | 14.0 16.7 | 24.8 29.8 | 26.7 32.0 | 30.0 36.0 | | | | 39.4 47.2 | 85 × 278 1.850 |
| 31-10409 | LKT 6,25-525-DB | 3 x 24.1 | 1.2 1.4 | 1.4 1.7 | 2.0 2.4 | 3.6 4.4 | 3.9 4.7 | 4.4 5.3 | 4.8 5.8 | 5.2 6.3 | 6.25 7.5 | 6.9 8.2 | 60 × 150 0.550 |
| 31-10435 | LKT 10-525-DB | 3 x 38.5 | 1.9 2.3 | 2.3 2.7 | 3.3 3.9 | 5.8 7.0 | 6.3 7.5 | 7.0 8.4 | 7.7 9.2 | 8.4 10.0 | 10.0 12.0 | 11.0 13.2 | 60 × 225 0.800 |
| 31-10410 | LKT 12,5-525-DB | 3 x 48.1 | 2.4 2.9 | 2.8 3.4 | 4.1 4.9 | 7.3 8.7 | 7.8 9.4 | 8.8 10.5 | 9.6 11.5 | 10.4 12.5 | | 13.7 16.5 | 70 × 225 1.050 |
| 31-10419 | LKT 15-525-DB | 3 x 57.7 | 2.9 3.5 | 3.4 4.1 | 4.9 5.9 | 8.7 10.5 | 9.4 11.3 | 10.5 12.6 | 11.5 13.8 | 12.5 15.1 | _ | 16.5 19.8 | 70 × 225 1.050 |
| 31-10434 | LKT 17,2-525-DB | 3 x 66.2 | 3.3 4.0 | 3.9 4.7 | 5.6 6.7 | 10.0 12.0 | 10.8 12.9 | 12.1 14.5 | 13.2 15.9 | | 17.2 | 18.9 22.7 | 70 × 225 1.050 |
| 31-10420 | LKT 20-525-DB | 3 x 77.0 | 3.8 4.6 | 4.5 5.4 | 6.5 7.8 | 11.6 13.9 | 12.0 12.5 15.0 | 14.1 16.9 | 15.4 18.4 | 16.7 | 20.0 | 22.0 26.4 | 70 × 265 1.200 |
| 31-10411 | LKT 25-525-DB | 3 x 96.2 | 4.8 5.8 | 5.7 6.8 | 8.2 9.8 | 14.5 17.4 | 15.6 | 17.6 21.1 | 19.2 23.0 | 20.9 | 25.0 | 27.5 33.0 | 85 × 278 1.850 |



$/\!\!/$ Standard Capacitors (three-phase, V_N: 300 V...480 V)

Type LKT...-DP for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 H | | ower | in kva | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | |
|-----------------|-----------------|-------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---|---------------------------------------|-------|---------------------|--------------------------|
| | | [µF] | 230 V | 250 V | 300 V | 400 V | 415V | 440 V | 460 V | 480 V | 525 V | [A] | [mm] [kg] |
| 31-10523 | LKT 7,1-300-DP | 3 x 83.7 | 4.17 5.0 | 4.9 5.9 | 7.1 8.5 | | | | | | | 13.7 16.4 | 60 x 225 0.800 |
| 31-10524 | LKT 14,2-300-DP | 3 x 167.1 | 8.33 10.0 | 9.9 11.8 | 14.2 17.0 | | | | | | | 27.3 32.7 | 85 x 215 1.500 |
| 31-10525 | LKT 21,3-300-DP | 3 x 251.1 | 12.5 15.0 | 14.8 17.7 | 21.3 25.5 | | | | | | | 41.0 49.2 | 85 x 278 1.850 |
| 31-10500 | LKT 5-400-DP | 3 x 33.2 | 1.66 2.0 | 2.0 2.3 | 2.8 3.33 | 5.0 6.0 | | | | | | 7.2 8.7 | 60 x 150 0.550 |
| 31-10380 | LKT 10-400-DP | 3 x 66.3 | 3.33 4.0 | 3.9 4.7 | 5.6 6.8 | 10.0 12.0 | | | | | | 14.4 17.3 | 70 × 225 1.050 |
| 31-10502 | LKT 12,5-400-DP | 3 x 82.9 | 4.17 5.0 | 4.9 5.9 | 7.0 8.4 | 12.5 15.0 | | | | | | 18.0 21.7 | 70 × 225 1.050 |
| 31-10503 | LKT 15-400-DP | 3 x 99.5 | 5.0 6.0 | 5.9 7.0 | 8.4 10.1 | 15.0 18.0 | | | | | | 21.7 26.0 | 70 × 265 1.200 |
| 31-10504 | LKT 20-400-DP | 3 x 132.6 | 6.66 8.0 | 7.8 9.4 | 11.3 13.5 | 20.0 24.0 | | | | | | 28.9 34.6 | 85 × 278 1.850 |
| 31-10505 | LKT 25-400-DP | 3 x 165.8 | 8.33 9.9 | 9.8 11.7 | 14.1 16.9 | 25.0 30.0 | | | | | | 36.1 43.3 | 85 × 278 1.850 |
| 31-10534 | LKT 3,8-440-DP | 3 x 20.8 | 1.0 1.25 | 1.22 1.5 | 1.8 2.1 | 3.1 3.8 | 3.4 4.1 | 3.8 4.6 | | | | 5.0 6.0 | 60 × 150 0.550 |
| 31-10508 | LKT 10-440-DP | 3 x 54.8 | 2.7 3.33 | 3.2 3.9 | 4.7 5.6 | 8.33 9.9 | 8.9 10.7 | 10.0 12.0 | | | | 13.1 15.7 | 60 × 225 0.800 |
| 31-10507 | LKT 12,5-440-DP | 3 x 68.5 | 3.4 4.1 | 4.0 4.8 | 5.8 7.0 | 10.3 12.4 | 11.1 13.3 | 12.5 15.0 | | | | 16.4 19.1 | 70 × 225 1.050 |
| 31-10381 | LKT 15-440-DP | 3 x 82.2 | 4.1 4.9 | 4.8 5.8 | 7.0 8.33 | 12.4 14.9 | 13.3 16.0 | 15.0 18.0 | | | | 19.7 23.6 | 70 × 265 1.200 |
| 31-10512 | LKT 20-440-DP | 3 x 109.6 | 5.5 6.66 | 6.5 7.8 | 9.3 11.2 | 16.5 19.8 | 17.8 21.4 | 20.0 24.0 | | | | 26.2 31.5 | 85 × 278 1.850 |
| 31-10510 | LKT 25-440-DP | 3 x 137.0 | 6.8 8.2 | 8.1 9.7 | 11.6 14.0 | 20.7 24.8 | 22.2 26.7 | 25.0 30.0 | | | | 32.8 39.4 | 85 × 278 1.850 |
| 31-10535 | LKT 28,2-440-DP | 3 x 154.6 | 7.7 9.2 | 9.1 10.9 | 13.1 15.7 | 23.3 27.9 | 25.0 30.0 | 28.2 33.8 | | | | 37.0 44.4 | 85 × 320 2.150 |
| 31-10509 | LKT 30-440-DP | 3 x 164.4 | 8.2 9.8 | 9.7 11.6 | | 24.8 29.8 | 26.7 32.0 | | | | | 39.4 47.2 | 85 × 320 2.150 |
| 31-10390 | LKT 12,5-480-DP | 3 x 57.6 | 2.9 3.4 | 3.4 4.1 | 4.9 5.9 | 8.7 10.4 | 9.3 11.2 | 10.5 12.6 | 11.5 13.8 | 12.5 15.0 | | 15.0 18.0 | 70 × 225 1.050 |
| 31-10382 | LKT 15,5-480-DP | 3 x 71.4 | 3.6 4.3 | 4.3 5.1 | 6.1 7.3 | 10.8 13.0 | 11.6 13.9 | 13.1 15.7 | 14.2 17.1 | 15.5 18.6 | | 18.6 22.4 | 70 × 265 1.200 |
| 31-10522 | LKT 18-480-DP | 3 x 82.9 | 4.17 5.0 | 4.9 5.9 | 7.0 8.4 | 12.5 15.0 | | 15.1 18.2 | 16.5 19.8 | 18.0 21.6 | | 21.7 26.0 | 70 × 265 1.200 |
| 31-10559 | LKT 31-480-DP | 3 x 142.8 | 7.1 8.5 | 8.4 10.1 | 12.1 14.5 | 21.5 25.8 | 23.2 | 26.1 31.3 | 28.5 34.2 | 31.0 37.2 | | 37.3 44.7 | 85 × 320 2.150 |
| 31-10558 | LKT 33,3-480-DP | 3 x 153.4 | 7.7 9.2 | 9.0 10.8 | 13.0 | 23.1 | | 28.0 | 30.6 | 33.3 40.0 | | 40.1 48.1 | 85 × 320 2.150 |



$/\!\!/$ Standard Capacitors (three-phase, V_N = 525 V)

Type LKT...-DP for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read 2 / 60 H | | ower | in kva | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | |
|-----------------|-----------------|-------------|-------------------|--------------------|-------------------|---------------------|---------------------|---------------------|---|---------------------------------------|---------------------|---------------------|--------------------------|
| | | [µF] | 230 V | 250 V | 300 V | 400 V | 415V | 440 V | 460 V | 480 V | 525 V | [A] | [mm] [kg] |
| 31-10517 | LKT 10-525-DP | 3 x 38.5 | 1.9 2.3 | 2.3 2.7 | 3.3 3.9 | 5.8 7.0 | 6.3 7.5 | 7.0 8.33 | 7.7 9.2 | 8.33 10.0 | 10.0 12.0 | 11.0 13.2 | 70 × 225 1.050 |
| 31-10516 | LKT 12,5-525-DP | 3 x 48.1 | 2.4 2.9 | 2.8 3.4 | 4.1 4.9 | 7.3 8.7 | 7.8 9.4 | 8.8 10.5 | 9.6 11.5 | 10.4 12.5 | 12.5 15.0 | 13.7 16.5 | 70 × 225 1.050 |
| 31-10520 | LKT 15-525-DP | 3 x 57.7 | 2.9 3.5 | 3.4 4.1 | 4.9 5.9 | 8.7 10.4 | 9.4 11.3 | 10.5 12.6 | 11.5 13.8 | 12.5 15.0 | 15.0 18.0 | 16.5 19.8 | 70 × 265 1.200 |
| 31-10521 | LKT 20-525-DP | 3 x 77.0 | 3.8 4.6 | 4.5 5.4 | 6.5 7.8 | 11.6 13.9 | 12.5 15.0 | 14.1 16.9 | 15.4 18.4 | 16.7 20.1 | 20.0 24.0 | 22.0 26.4 | 85 × 278 1.850 |
| 31-10519 | LKT 25-525-DP | 3 x 96.2 | 4.8 5.8 | 5.7 6.8 | 8.2 9.8 | 14.5 17.4 | 15.6 18.8 | 17.6 21.1 | 19.2 23.0 | 20.9 25.1 | 25.0 30.0 | 27.5 33.0 | 85 × 278 1.850 |

∬ Standard Capacitors (three-phase, V_N: 690 V...800 V)

Type LKT...-DP for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 F | | ower | in kva | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | |
|-----------------|-----------------|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---|---------------------------------------|--|---------------------|--------------------------|
| | | [µF] | 525 V | 570 V | 600 V | 615V | 690 V | 750 V | 760 V | 800 V | | [A] | [mm] [kg] |
| 31-10560 | LKT 5-690-DP | 3 x 11.1 | 2.9 3.5 | 3.4 4.1 | 3.8 4.5 | 4.0 4.8 | 5.0 6.0 | | | | | 4.2 5.0 | 60 × 225 0.800 |
| 31-10561 | LKT 10-690-DP | 3 x 22.3 | 5.8 7.0 | 6.8 8.2 | 7.6 9.1 | 7.9 9.5 | 10.0 12.0 | | | | | 8.4 10.0 | 70 × 225 1.050 |
| 31-10562 | LKT 12,5-690-DP | 3 x 27.9 | 7.2 8.7 | 8.5 10.2 | 9.5 11.3 | 9.9 11.9 | 12.5 15.0 | | | | | 10.5 12.6 | 70 × 265 1.200 |
| 31-10563 | LKT 15-690-DP | 3 x 33.4 | 8.7 10.4 | 10.2 12.3 | 11.3 13.6 | 11.9 14.3 | 15.0 18.0 | | | | | 12.6 15.1 | 70 × 265 1.200 |
| 31-10564 | LKT 20-690-DP | 3 x 44.6 | 11.6 13.9 | 13.7 16.4 | 15.1 18.2 | 15.9 19.1 | 20.0 24.0 | | | | | 16.7 20.1 | 85 × 278 1.850 |
| 31-10565 | LKT 25-690-DP | 3 x 55.7 | 14.5 17.4 | 17.1 20.5 | 18.9 22.7 | 19.9 23.8 | 25.0 30.0 | | | | | 20.9 25.1 | 85 × 278 1.850 |
| 31-10569 | LKT 28,2-760-DP | 3 x 51.8 | 13.5 16.1 | 15.9 19.0 | 17.6 21.1 | 18.5 22.2 | 23.2 27.9 | 27.5 33.0 | 28.2 33.8 | | | 21.4 25.7 | 85 × 320 2.150 |
| 31-10570 | LKT 6,7-800-DP | 3 x 11.1 | 2.9 3.5 | 3.4 4.1 | 3.8 4.5 | 4.0 4.8 | 5.0 6.0 | 5.9 7.1 | 6.0 7.3 | 6.7 8.0 | | 4.8 5.8 | 60 × 225 0.800 |
| 31-10571 | LKT 10,5-800-DP | 3 x 17.4 | 4.5 5.4 | 5.3 6.4 | 5.9 7.1 | 6.2 7.5 | 7.8 9.4 | 9.2 11.1 | 9.5 11.4 | 10.5 12.6 | | 7.6 9.1 | 70 × 225 1.050 |
| 31-10572 | LKT 13,3-800-DP | 3 x 22.0 | 5.7 6.9 | 6.8 8.1 | 7.5 9.0 | 7.9 9.4 | 9.9 11.9 | 11.7 14.0 | 12.0 14.4 | 13.3 16.0 | | 9.6 11.5 | 85 × 215 1.500 |
| 31-10573 | LKT 21-800-DP | 3 x 34.8 | 9.0 10.9 | 10.7 12.8 | 11.8 14.2 | 12.4 14.9 | 15.6 18.8 | 18.5 22.2 | 19.0 22.7 | 21.0 25.2 | | 15.2 18.2 | 85 × 278 1.850 |
| 31-10574 | LKT 26,7-800-DP | 3 x 44.3 | 11.5 13.8 | 13.6 16.3 | 15.0 18.0 | 15.8 18.9 | 19.9 23.8 | 23.5 28.2 | 24.1 28.9 | 26.7 32.0 | | 19.3 23.1 | 85 × 320 2.150 |



${/\!\!/}$ Standard Capacitors (single-phase, V_N: 280 V...525 V)

Type LKT...-EP for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 H | | ower | in kva | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | |
|-----------------|-----------------|-------------|-------------------|--------------------|-------------------|--------------------|--------------------|--------------------|---|---------------------------------------|---------------------|---------------------|--------------------------|
| | | [µF] | 230 V | 250 V | 300 V | 400 V | 415 V | 440 V | 460 V | 480 V | 525 V | [A] | [mm] [kg] |
| 31-10547 | LKT 5-280-EP | 1 x 203.7 | 3.4 4.1 | 4.0 4.8 | 5.0 6.0 | | | | | | | 17.9 21.5 | 60 × 138 0.500 |
| 31-10548 | LKT 10-280-EP | 1 x 407.4 | 6.8 8.1 | 8.0 9.6 | 10.0 12.0 | | | | | | | 35.8 43.0 | 85 × 131 1.150 |
| 31-10526 | LKT 3,33-440-EP | 1 x 54.8 | 0.9 1.1 | 1.1 1.3 | 1.5 1.9 | 2.8 3.3 | 3.0 3.6 | 3.33 4.0 | | | | 7.6 9.1 | 60 × 90 0.325 |
| 31-10527 | LKT 4,17-440-EP | 1 x 68.6 | 1.1 1.4 | 1.3 1.6 | 1.9 2.3 | 3.4 4.1 | 3.7 4.5 | 4.17 5.0 | | | | 9.5 11.4 | 60 × 138 0.500 |
| 31-10528 | LKT 5-440-EP | 1 x 82.2 | 1.4 1.6 | 1.6 1.9 | 2.3 2.8 | 4.1 5.0 | 4.4 5.33 | 5.0 6.0 | | | | 11.4 13.6 | 60 × 138 0.500 |
| 31-10384 | LKT 9,4-440-EP | 1 x 154.6 | 2.6 3.1 | 3.0 3.6 | 4.4 5.2 | 7.8 9.3 | 8.4 10.0 | 9.4 11.3 | | | | 21.4 25.6 | 70 × 153 0.650 |
| 31-10529 | LKT 2,4-480-EP | 1 x 33.2 | 0.6 0.7 | 0.7 0.8 | 0.9 1.1 | 1.7 2.0 | 1.8 2.15 | 2.0 2.4 | 2.2 2.6 | 2.4 2.9 | | 5.0 6.0 | 60 × 90 0.325 |
| 31-10530 | LKT 3,33-480-EP | 1 x 46.0 | 0.8 0.9 | 0.9 1.1 | 1.3 1.6 | 2.3 2.8 | 2.5 3.0 | 2.8 3.4 | 3.1 3.7 | 3.33 4.0 | | 6.9 8.3 | 60 × 90 0.325 |
| 31-10531 | LKT 3,6-480-EP | 1 x 49.7 | 0.8 1.0 | 1.0 1.2 | 1.4 1.7 | 2.5 3.0 | 2.7 3.2 | 3.0 3.6 | 3.3 4.0 | 3.6 4.3 | | 7.5 9.0 | 60 × 138 0.500 |
| 31-10515 | LKT 4,8-480-EP | 1 x 66.3 | 1.1 1.3 | 1.3 1.6 | 1.9 2.3 | 3.33 4.0 | 3.6 4.3 | 4.0 4.8 | 4.4 5.3 | 4.8 5.8 | | 10.0 12.0 | 60 × 138 0.500 |
| 31-10514 | LKT 6-480-EP | 1 x 82.9 | 1.4 1.7 | 1.6 2.0 | 2.3 2.8 | 4.17 5.0 | 4.5 5.4 | 5.0 6.0 | 5.5 6.6 | 6.0 7.2 | | 12.5 15.0 | 60 × 138 0.500 |
| 31-10532 | LKT 2,8-525-EP | 1 x 32.3 | 0.5 0.6 | 0.6 0.8 | 0.9 1.1 | 1.6 1.9 | 1.7 2.1 | 2.0 2.4 | 2.1 2.6 | 2.3 2.8 | 2.8 3.4 | 5.3 6.4 | 60 × 90 0.325 |
| 31-10533 | LKT 3,33-525-EP | 1 x 38.5 | 0.6 0.8 | 0.8 0.9 | 1.1 1.3 | 1.9 2.3 | 2.1 2.5 | 2.3 2.8 | 2.6 3.1 | 2.8 3.3 | 3.33 4.0 | 6.3 7.6 | 60 × 138 0.500 |
| 31-10385 | LKT 8,33-525-EP | 1 x 96.2 | 1.6 1.9 | 1.9 2.3 | 2.7 3.3 | 4.8 5.8 | 5.2 6.3 | 5.9 7.0 | 6.4 7.7 | 7.0 8.33 | 8.33 10.0 | 15.9 19.0 | 70 × 153 0.650 |



// Premium Capacitors (three-phase, V_N: 400 V...480 V)

Type LKT...-DL for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 ł | | ower | in kva | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | |
|-----------------|-----------------|-------------|--------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---------------------------------------|------|---------------------|--------------------------|
| | | [µF] | 230V | 400V | 415V | 440V | 460 V | 480V | 525V | 570V | 615V | [A] | [mm] [kg] |
| 31-10598 | LKT 1-400-DL | 3 x 6.6 | 0.3 0.4 | 1.0 1.2 | 1.1* 1.3* | 1.2* 1.5* | | | | | | 1.4 1.7 | 60 × 150 0.550 |
| 31-10599 | LKT 1,5-400-DL | 3 x 9.9 | 0.5 0.6 | 1.5 1.8 | 1.6* 1.9* | 1.8* 2.2* | | | | | | 2.2 2.6 | 60 × 150 0.550 |
| 31-10600 | LKT 5-400-DL | 3 x 33.2 | 1.66 2.0 | 5.0 6.0 | 5.4* 6.5* | 6.1* 7.3* | | | | | | 7.2 8.7 | 60 × 225 0.800 |
| 31-10601 | LKT 6,25-400-DL | 3 x 41.4 | 2.1 2.5 | 6.25 7.5 | 6.7* 8.1* | 7.6* 9.1* | | | | | | 9.0 10.8 | 60 × 225 0.800 |
| 31-10602 | LKT 9,3-400-DL | 3 x 61.7 | 3.0 3.7 | 9.3 11.1 | 10.0* 12.0* | 11.3* 13.5* | | | | | | 13.4 16.1 | 70 × 225 1.050 |
| 31-10603 | LKT 10-400-DL | 3 x 66.3 | 3.33 4.0 | 10.0 12.0 | 10.8* 12.9* | 12.1* 14.5* | | | | | | 14.4 17.3 | 70 × 225 1.050 |
| 31-10604 | LKT 11,7-400-DL | 3 x 77.6 | 3.9 4.6 | 11.7 14.0 | 12.6* 15.1* | 14.2* 17.0* | | | | | | 16.9 20.3 | 70 × 225 1.050 |
| 31-10386 | LKT 12,5-400-DL | 3 x 82.9 | 4.17 5.0 | 12.5 15.0 | | 15.1* 18.2* | | | | | | 18.0 21.7 | 70 × 265 1.200 |
| 31-10606 | LKT 20-400-DL | 3 x 132.6 | 6.6 7.9 | 20.0 24.0 | 21.5* 25.8* | 24.2* 29.0* | | | | | | 28.9 34.6 | 85 × 278 1.850 |
| 31-10607 | LKT 5,0-440-DL | 3 x 27.4 | 1.4 1.66 | 4.17 5.0 | 4.5 5.4 | 5.0 6.0 | 5.5* 6.6* | 6.0* 7.1* | | | | 6.6 7.9 | 60 × 225 0.800 |
| 31-10608 | LKT 7,6-440-DL | 3 x 41.7 | 2.1 2.5 | 6.25 7.5 | 6.8 8.1 | 7.6 9.1 | 8.33* 10.0* | 9.0* 10.9* | | | | 10.0 12.0 | 60 × 225 0.800 |
| 31-10387 | LKT 9,1-440-DL | 3 x 49.9 | 2.5 3.0 | 7.5 9.0 | 8.1 9.7 | 9.1 10.9 | 10.0* 11.9* | 10.8* 13.0* | | | | 11.9 14.3 | 70 × 225 1.050 |
| 31-10610 | LKT 12,1-440-DL | 3 x 66.3 | 3.33 4.0 | 10.0 12.0 | 10.8 12.9 | 12.1 14.5 | 13.2* 15.9* | 14.4* 17.3* | | | | 15.9 19.1 | 70 × 225 1.050 |
| 31-10612 | LKT 17,6-440-DL | 3 x 96.5 | 4.8 5.8 | 14.5 17.4 | 15.6 18.8 | 17.6 21.1 | 19.2* 23.1* | | | | | 23.1 27.7 | 85 × 278 1.850 |
| 31-10613 | LKT 3,6-480-DL | 3 x 16.6 | 0.8 1.0 | 2.5 3.0 | 2.7 3.2 | 3.0 3.6 | 3.33 4.0 | 3.6 4.3 | 4.3* 5.2* | | | 4.3 5.2 | 60 × 150 0.550 |
| 31-10388 | LKT 4,5-480-DL | 3 x 20.7 | 1.0 1.2 | 3.1 3.8 | 3.4 4.0 | 3.8 4.6 | 4.1 5.0 | 4.5 5.4 | 5.4* 6.5* | | | 5.4 6.5 | 60 × 225 0.800 |
| 31-10615 | LKT 7,2-480-DL | 3 x 33.2 | 1.7 2.0 | 5.0 6.0 | 5.4 6.5 | 6.0 7.2 | 6.66 7.9 | 7.2 8.6 | 8.6* 10.3* | | | 8.7 10.4 | 60 × 225 0.800 |
| 31-10616 | LKT 7,8-480-DL | 3 x 35.9 | 1.8 2.1 | 5.4 6.5 | 5.8 7.0 | 6.5 7.9 | 7.2 8.6 | 7.8 9.3 | 9.3* 11.2* | | | 9.4 11.3 | 60 × 225 0.800 |
| 31-10617 | LKT 10,4-480-DL | 3 x 47.9 | 2.4 2.9 | 7.3 8.7 | 7.8 9.3 | 8.8 10.5 | 9.6 11.5 | 10.4 12.5 | 12.4* 14.9* | | | 12.5 15.0 | 70 × 225 1.050 |
| 31-10618 | LKT 12,5-480-DL | 3 x 57.6 | 2.9 3.4 | 8.7 10.4 | 9.4 11.2 | 10.5 12.6 | 11.5 13.8 | 12.5 | 15.0* 17.9* | | | 15.0 18.0 | 70 × 265 1.200 |
| 31-10389 | LKT 15,5-480-DL | 3 x 71.4 | 3.6 4.3 | 10.8 12.9 | | | | | 18.5* 22.3* | | | 18.6 22.4 | 85 × 278 1.850 |

Generally, "Premium" (DL-type) capacitors can also be operated at higher voltages with the "Standard" (DP-type) specification.

Please note that the DP values in the chart are marked with *.



$/\!\!/$ Premium Capacitors (three-phase, V_N = 525 V)

Type LKT...-DL for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | Rated Reactive Power in kvar at Rated Voltage (V _N) Rated 50 Hz / 60 Hz current at V _N 50 Hz / 60 Hz 50 Hz / 60 Hz | | | | | | | | | | |
|-----------------|-----------------|-------------|-------------------|---|-------------------|---------------------|--------------------|--------------------|-------------------|----------------------|---------------------|--------------------|--------------------------|--|
| | | [µF] | 230V | 400V | 415V | 440V | 460 V | 480V | 525V | 570V | 615V | [A] | [mm] [kg] | |
| 31-10619 | LKT 4,17-525-DL | 3x 16.1 | 0.8 1.0 | 2.4 2.9 | 2.6 3.1 | 2.9 3.5 | 3.2 3.8 | 3.5 4.2 | 4.17 5.0 | 4.9* 5.9* | 5.7* 6.9* | 4.6 5.5 | 60 × 225 0.800 | |
| 31-10620 | LKT 5,9-525-DL | 3x 22.7 | 1.1 1.4 | 3.4 4.1 | 3.7 4.4 | 4.17 4.97 | 4.5 5.5 | 5.0 5.9 | 5.9 7.1 | 7.0* 8.4* | 8.1* 9.7* | 6.5 7.8 | 60 × 225 0.800 | |
| 31-10621 | LKT 7,7-525-DL | 3x 29.6 | 1.5 1.8 | 4.5 5.4 | 4.8 5.8 | 5.4 6.5 | 5.91 7.1 | 6.5 7.8 | 7.7 9.3 | 9.1* 10.9* | 10.6* 12.7* | 8.5 10.2 | 70 × 225 1.050 | |
| 31-10622 | LKT 8,33-525-DL | 3x 32.1 | 1.6 1.9 | 4.8 5.8 | 5.2 6.2 | 5.8 7.0 | 6.4 7.6 | 7.0 8.33 | 8.33 10.0 | 9.8* 11.8* | 11.4* 13.7* | 9.2 11.0 | 70 × 225 1.050 | |

Generally, "Premium" (DL-type) capacitors can also be operated at higher voltages with the "Standard" (DP-type) specification. Please note that the DP values in the chart are marked with *.

$/\!\!/$ Heavy Duty Capacitors (three-phase, V_N: 480 V...525 V)

Type LKT...-HD for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 H | ctive P Iz | ower | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | | |
|-----------------|-----------------|-------------|-------------------|--------------------|---------------------|---------------------|---------------------|---|---------------------------------------|---------------------|---------------------|---------------------|--------------------------|
| | | [µF] | 230 V | 300 V | 400 V | 415V | 440 V | 460 V | 480 V | 500 V | 525 V | [A] | [mm] [kg] |
| 31-10580 | LKT 16,8-480-HD | 3 x 77.4 | 3.9 4.6 | 6.6 7.9 | 11.7 14.0 | 12.6 15.1 | 14.1 16.9 | 15.4 18.5 | 16.8 20.2 | | | 20.2 24.2 | 85 × 215 1.500 |
| 31-10581 | LKT 18,0-480-HD | 3 x 82.9 | 4.1 5.0 | 7.0 8.4 | 12.5 15.0 | 13.5 16.2 | 15.1 18.2 | 16.5 19.8 | 18.0 21.6 | | | 21.7 26.0 | 85 × 215 1.500 |
| 31-10582 | LKT 15,6-500-HD | 3 x 66.2 | 3.3 4.0 | 5.6 6.7 | 10.0 12.0 | 10.8 12.9 | 12.1 14.5 | 13.2 15.8 | 14.4 17.3 | 15.6 18.7 | | 18.0 21.6 | 85 × 215 1.500 |
| 31-10583 | LKT 16,1-500-HD | 3 x 68.3 | 3.4 4.1 | 5.8 7.0 | 10.3 12.4 | 11.1 13.3 | 12.5 15.0 | 13.6 16.4 | 14.8 17.8 | 16.1 19.3 | | 18.6 22.3 | 85 × 215 1.500 |
| 31-10584 | LKT 16,8-500-HD | 3 x 71.3 | 3.6 4.3 | 6.1 7.3 | 10.8 12.9 | 11.6 13.9 | 13.0 15.6 | 14.2 17.1 | 15.5 18.6 | 16.8 20.2 | | 19.4 23.3 | 85 × 215 1.500 |
| 31-10585 | LKT 18,0-525-HD | 3 x 69.3 | 3.5 4.1 | 5.9 7.1 | 10.5 12.5 | 11.3 13.5 | 12.6 15.2 | 13.8 16.6 | 15.1 18.1 | 16.3 19.6 | 18.0 21.6 | 19.8 23.8 | 85 × 215 1.500 |



${/\!\!/}$ Basic Capacitors (three-phase, V_N: 400 V...525 V) - UL/CSA certified

Type LKT...-DB60 for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 H | ctive P Iz | ower | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | | |
|-----------------|--------------------|-------------|-------------------|--------------------|--------------------|---------------------|---------------------|---|---------------------------------------|---------------------|------------------|---------------------|--------------------------|
| | | [µF] | 208V | 230V | 240V | 300 V | 400V | 415V | 440V | 480V | 525V | [A] | [mm] [kg] |
| 31-10664 | LKT 12-400-DB60 | 3 x 66.3 | 2.7 3.2 | 3.3 4.0 | 3.6 4.3 | 5.6 6.8 | 10.0 12.0 | | | | | 14.4 17.3 | 85 × 163 1.150 |
| 31-10665 | LKT 15-400-DB60 | 3 x 82.9 | 3.4 4.1 | 4.1 5.0 | 4.5 5.4 | 7.0 8.4 | 12.5 15.0 | | | | | 18.0 21.7 | 85 × 163 1.150 |
| 31-10666 | LKT 24-400-DB60 | 3 x 132.6 | 5.4 6.5 | 6.6 7.9 | 7.2 8.6 | 11.3 13.5 | 20.0 24.0 | | | | | 28.9 34.6 | 85 × 215 1.500 |
| 31-10667 | LKT 30-400-DB60 | 3 x 165.8 | 6.8 8.1 | 8.3 9.9 | 9.0 10.8 | 14.1 16.9 | 25.0 30.0 | | | | | 36.1 43.3 | 85 × 278 1.850 |
| 31-10668 | LKT 12-440-DB60 | 3 x 54.8 | 2.2 2.7 | 2.7 3.3 | 3.0 3.6 | 4.6 5.6 | 8.3 9.9 | 8.9 10.7 | 10.0 12.0 | | | 13.1 15.7 | 85 × 163 1.150 |
| 31-10669 | LKT 15-440-DB60 | 3 x 68.5 | 2.8 3.4 | 3.4 4.1 | 3.7 4.5 | 5.8 7.0 | 10.3 12.4 | 11.1 13.3 | 12.5 15.0 | | | 16.4 19.7 | 85 × 163 1.150 |
| 31-10670 | LKT 24-440-DB60 | 3 x 109.6 | 4.5 5.4 | 5.5 6.6 | 6.0 7.1 | 9.3 11.2 | 16.5 19.8 | 17.8 21.4 | 20.0 24.0 | | | 26.2 31.5 | 85 × 215 1.500 |
| 31-10671 | LKT 30-440-DB60 | 3 x 137.0 | 5.6 6.7 | 6.8 8.2 | 7.4 8.9 | 11.6 13.9 | 20.7 24.8 | 22.2 26.7 | 25.0 30.0 | | | 32.8 39.4 | 85 × 278 1.850 |
| 31-10672 | LKT 10-480-DB60 | 3 x 38.4 | 1.6 1.9 | 1.9 2.3 | 2.1 2.5 | 3.3 3.9 | 5.8 6.9 | 6.2 7.5 | 7.0 8.4 | 8.3 10.0 | | 10.0 12.0 | 85 × 163 1.150 |
| 31-10673 | LKT 12,5-480-DB60 | 3 x 48.0 | 2.0 2.3 | 2.4 2.9 | 2.6 3.1 | 4.1 4.9 | 7.2 8.7 | 7.8 9.3 | 8.8 10.5 | 10.4 12.5 | | 12.5 15.0 | 85 × 163 1.150 |
| 31-10674 | LKT 20-480-DB60 | 3 x 76.8 | 3.1 3.8 | 3.8 4.6 | 4.2 5.0 | 6.5 7.8 | 11.6 13.9 | 12.5 15.0 | 14.0 16.8 | 16.7 20.0 | | 20.0 24.1 | 85 × 215 1.500 |
| 31-10675 | LKT 25-480-DB60 | 3 x 95.9 | 3.9 4.7 | 4.8 5.7 | 5.2 6.3 | 8.1 9.8 | 14.5 17.4 | 15.6 18.7 | 17.5 21.0 | 20.8 25.0 | | 25.1 30.1 | 85 × 215 1.500 |
| 31-10676 | LKT 11,25-525-DB60 | 3 x 36.1 | 1.5 1.8 | 1.8 2.2 | 2.0 2.4 | 3.1 3.7 | 5.4 6.5 | 5.9 7.0 | 6.6 7.9 | 7.8 9.4 | 9.4 11.25 | 10.3 12.4 | 85 × 163 1.150 |
| 31-10677 | LKT 14-525-DB60 | 3 x 44.9 | 1.8 2.2 | 2.2 2.7 | 2.4 2.9 | 3.8 4.6 | 6.8 8.1 | 7.3 8.8 | 8.2 9.8 | 9.8 11.7 | 11.7 14.0 | 12.8 15.4 | 85 × 163 1.150 |
| 31-10678 | LKT 22,5-525-DB60 | 3 x 72.2 | 2.9 3.5 | 3.6 4.3 | 3.9 4.7 | 6.1 7.3 | 10.9 13.1 | 11.7 14.1 | 13.2 15.8 | 15.7 18.8 | 18.8 22.5 | 20.6 24.7 | 85 × 215 1.500 |
| 31-10679 | LKT 28-525-DB60 | 3 x 89.8 | 3.7 4.4 | 4.5 5.4 | 4.9 5.9 | 7.6 9.1 | 13.5 16.3 | 14.6 17.5 | 16.4 19.7 | 19.5 23.4 | 23.3 28.0 | 25.7 30.8 | 85 × 278 1.850 |



${/\!\!/}$ Standard Capacitors (three-phase, V_N: 240 V...440 V) - UL/CSA certified

Type LKT...-DP60 for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | Rated Reactive Power in kvar at Rated Voltage (V_N) 50 Hz / 60 Hz | | | | | | | | | Dimensions (d x h) Weight (net) |
|-----------------|-------------------|-------------|---------------------|---|---------------------|---------------------|-------------------|--------------------|------------------|-------|-------|---------------------|---------------------------------------|
| | | [µF] | 208 V | 230 V | 240 V | 300 V | 400 V | 415 V | 440 V | 460 V | 480 V | [A] | [mm] [kg] |
| 31-10800 | LKT 1-240-DP60 | 3 x 15.4 | 0.6 0.8 | 0.8 0.9 | 0.8 1.0 | | | | | | | 2.0 2.4 | 85 x 163 1.150 |
| 31-10801 | LKT 1,5-240-DP60 | 3 x 23.0 | 0.9 1.1 | 1.2 1.4 | 1.3 1.5 | | | | | | | 3.0 3.6 | 85 x 163 1.150 |
| 31-10802 | LKT 2-240-DP60 | 3 x 30.7 | 1.3 1.5 | 1.5 1.8 | 1.7 2.0 | | | | | | | 4.0 4.8 | 85 x 163 1.150 |
| 31-10803 | LKT 2,5-240-DP60 | 3 x 38.4 | 1.6 1.9 | 1.9 2.3 | 2.1 2.5 | | | | | | | 5.0 6.0 | 85 x 163 1.150 |
| 31-10804 | LKT 3-240-DP60 | 3 x 46.1 | 1.9 2.3 | 2.3 2.8 | 2.5 3.0 | | | | | | | 6.0 7.2 | 85 x 163 1.150 |
| 31-10805 | LKT 4-240-DP60 | 3 x 61.4 | 2.5 3.0 | 3.1 3.7 | 3.3 4.0 | | | | | | | 8.0 9.6 | 85 x 163 1.150 |
| 31-10806 | LKT 5-240-DP60 | 3 x 76.8 | 3.1 3.8 | 3.8 4.6 | 4.2 5.0 | | | | | | | 10.0 12.0 | 85 x 163 1.150 |
| 31-10807 | LKT 6-240-DP60 | 3 x 92.1 | 3.8 4.5 | 4.6 5.5 | 5.0 6.0 | | | | | | | 12.0 14.4 | 85 x 163 1.150 |
| 31-10808 | LKT 7,5-240-DP60 | 3 x 115.1 | 4.7 5.6 | 5.7 6.9 | 6.3 7.5 | | | | | | | 15.0 18.0 | 85 x 163 1.150 |
| 31-10629 | LKT 10-240-DP60 | 3 x 153.5 | 6.3 7.5 | 7.7 9.2 | 8.33 10.0 | | | | | | | 20.0 24.1 | 85 x 163 1.150 |
| 31-10630 | LKT 12,5-240-DP60 | 3 x 191.9 | 7.8 9.4 | 9.6 11.5 | 10.4 12.5 | | | | | | | 25.1 30.1 | 85 × 215 1.500 |
| 31-10809 | LKT 15-240-DP60 | 3 x 230.3 | 9.4 11.3 | 11.5 13.8 | 12.5 15.0 | | | | | | | 30.1 36.1 | 85 × 215 1.500 |
| 31-10810 | LKT 17,5-240-DP60 | 3 x 268.6 | 11.0 13.1 | 13.4 16.1 | 14.6 17.5 | | | | | | | 35.1 42.1 | 85 × 215 1.500 |
| 31-10631 | LKT 20-240-DP60 | 3 x 307.0 | 12.5 15.0 | 15.3 18.4 | 16.7 20.0 | | | | | | | 40.1 48.1 | 85 × 278 1.850 |
| 31-10632 | LKT 15-300-DP60 | 3 x 147.4 | 6.0 7.2 | 7.4 8.8 | 8.0 9.6 | 12.5 15.0 | | | | | | 24.1 28.9 | 85 x 163 1.150 |
| 31-10633 | LKT 18-300-DP60 | 3 x 176.8 | 7.2 8.7 | 8.8 10.6 | 9.6 11.5 | 15.0 18.0 | | | | | | 28.9 34.6 | 85 × 215 1.500 |
| 31-10652 | LKT 12-400-DP60 | 3 x 66.3 | 2.7 3.2 | 3.3 4.0 | | 5.6 6.8 | 10.0 12.0 | | | | | 14.4 17.3 | 85 x 163 1.150 |
| 31-10653 | LKT 15-400-DP60 | 3 x 82.9 | 3.4 4.1 | 4.1 5.0 | 4.5 5.4 | 7.0 8.4 | 12.5 15.0 | | | | | 18.0 21.7 | 85 × 215 1.500 |
| 31-10654 | LKT 24-400-DP60 | 3 x 132.6 | 5.4 6.5 | 6.6 7.9 | 7.2 8.6 | 11.3 13.5 | 20.0 24.0 | | | | | 28.9 34.6 | 85 × 278 1.850 |
| 31-10655 | LKT 30-400-DP60 | 3 x 165.8 | 6.8 8.1 | 8.3 9.9 | 9.0 10.8 | 14.1 16.9 | 25.0 30.0 | | | | | 36.1 43.3 | 85 × 278 1.850 |
| 31-10656 | LKT 12-440-DP60 | 3 x 54.8 | 2.2 2.7 | 2.7 3.3 | 3.0 3.6 | 4.6 5.6 | 8.3 9.9 | 8.9 10.7 | 10.0 12.0 | | | 13.1 15.7 | 85 x 163 1.150 |
| 31-10657 | LKT 15-440-DP60 | 3 x 68.5 | 2.8 3.4 | 3.4 4.1 | 3.7 4.5 | 5.8 7.0 | 10.3 12.4 | 11.1 13.3 | 12.5 15.0 | | | 16.4 19.7 | 85 × 215 1.500 |
| 31-10658 | LKT 24-440-DP60 | 3 x 109.6 | 4.5 5.4 | 5.5 6.6 | 6.0 7.1 | 9.3 11.2 | 16.5 19.8 | 17.8 21.4 | 20.0 24.0 | | | 26.2 31.5 | 85 × 278 1.850 |
| 31-10659 | LKT 30-440-DP60 | 3 x 137.0 | 5.6 6.7 | 6.8 8.2 | 7.4 8.9 | 11.6 13.9 | 20.7 24.8 | 22.2 | | | | 32.8 39.4 | 85 × 278 1.850 |



$/\!\!/$ Standard Capacitors (three-phase, V_ $_{ m N}$: 480 V...525 V) - UL/CSA certified

Type LKT...-DP60 for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 F | ctive P | ower | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | | |
|-----------------|--------------------|-------------|-------------------|--------------------|-------------------|-------------------|---------------------|---|---------------------------------------|---------------------|---------------------|---------------------|--------------------------|
| | | [µF] | 208 V | 230 V | 240 V | 300 V | 400 V | 415 V | 440 V | 480 V | 525 V | [A] | [mm] [kg] |
| 31-10811 | LKT 1-480-DP60 | 3 x 3.8 | 0.2 0.2 | 0.2 0.2 | 0.2 0.3 | 0.3 0.4 | 0.6 0.7 | 0.6 0.8 | 0.7 0.8 | 0.8 1.0 | | 1.0 1.2 | 85 x 163 1.150 |
| 31-10812 | LKT 1,5-480-DP60 | 3 x 5.8 | 0.2 0.3 | 0.3 0.3 | 0.3 0.4 | 0.5 0.6 | 0.9 1.0 | 0.9 1.1 | 1.1 1.3 | 1.3 1.5 | | 1.5 1.8 | 85 x 163 1.150 |
| 31-10813 | LKT 2-480-DP60 | 3 x 7.7 | 0.3 0.4 | 0.4 0.5 | 0.4 0.5 | 0.7 0.8 | 1.2 1.4 | 1.3 1.5 | 1.4 1.7 | 1.7 2.0 | | 2.0 2.4 | 85 x 163 1.150 |
| 31-10814 | LKT 2,5-480-DP60 | 3 x 9.6 | 0.4 0.5 | 0.5 0.6 | 0.5 0.6 | 0.8 1.0 | 1.5 1.7 | 1.6 1.9 | 1.8 2.1 | 2.1 2.5 | | 2.5 3.0 | 85 x 163 1.150 |
| 31-10815 | LKT 3-480-DP60 | 3 x 11.5 | 0.5 0.6 | 0.6 0.7 | 0.6 0.8 | 1.0 1.2 | 1.7 2.1 | 1.9 2.2 | 2.1 2.5 | 2.5 3.0 | | 3.0 3.6 | 85 x 163 1.150 |
| 31-10816 | LKT 4-480-DP60 | 3 x 15.4 | 0.6 0.8 | 0.8 0.9 | 0.8 1.0 | 1.3 1.6 | 2.3 2.8 | 2.5 3.0 | 2.8 3.4 | 3.3 4.0 | | 4.0 4.8 | 85 x 163 1.150 |
| 31-10817 | LKT 5-480-DP60 | 3 x 19.2 | 0.8 0.9 | 1.0 1.1 | 1.0 1.3 | 1.6 2.0 | 2.9 3.5 | 3.1 3.7 | 3.5 4.2 | 4.2 5.0 | | 5.0 6.0 | 85 x 163 1.150 |
| 31-10818 | LKT 6-480-DP60 | 3 x 23.0 | 0.9 1.1 | 1.1 1.4 | 1.3 1.5 | 2.0 2.3 | 3.5 4.2 | 3.7 4.5 | 4.2 5.0 | 5.0 6.0 | | 6.0 7.2 | 85 x 163 1.150 |
| 31-10819 | LKT 7,5-480-DP60 | 3 x 28.8 | 1.2 1.4 | 1.4 1.7 | 1.6 1.9 | 2.4 2.9 | 4.3 5.2 | 4.7 5.6 | 5.3 6.3 | 6.3 7.5 | | 7.5 9.0 | 85 x 163 1.150 |
| 31-10634 | LKT 10-480-DP60 | 3 x 38.4 | 1.6 1.9 | 1.9 2.3 | 2.1 2.5 | 3.3 3.9 | 5.8 6.9 | 6.2 7.5 | 7.0 8.4 | 8.3 10.0 | | 10.0 12.0 | 85 x 163 1.150 |
| 31-10635 | LKT 12,5-480-DP60 | 3 x 48.0 | 2.0 2.3 | 2.4 2.9 | 2.6 3.1 | 4.1 4.9 | 7.2 8.7 | 7.8 9.3 | 8.8 10.5 | 10.4 12.5 | | 12.5 15.0 | 85 x 163 1.150 |
| 31-10820 | LKT 15-480-DP60 | 3 x 57.6 | 2.3 2.8 | 2.9 3.4 | 3.1 3.8 | 4.9 5.9 | 8.7 10.4 | 9.3 11.2 | 10.6 12.5 | 12.5 15.0 | | 15.0 18.0 | 85 × 215 1.500 |
| 31-10821 | LKT 17,5-480-DP60 | 3 x 67.2 | 2.7 3.3 | 3.3 4.0 | 3.6 4.4 | 5.7 6.8 | 10.1 12.2 | 10.9 13.1 | 12.3 14.7 | 14.6 17.5 | | 17.5 21.0 | 85 × 215 1.500 |
| 31-10636 | LKT 20-480-DP60 | 3 x 76.8 | 3.1 3.8 | 3.8 4.6 | 4.2 5.0 | 6.5 7.8 | 11.6 13.9 | 12.5 15.0 | 14.0 16.8 | 16.7 20.0 | | 20.0 24.1 | 85 × 215 1.500 |
| 31-10822 | LKT 22,5-480-DP60 | 3 x 86.3 | 3.5 4.2 | 4.3 5.2 | 4.7 5.6 | 7.3 8.8 | 13.0 15.6 | 14.0 16.8 | 15.8 18.9 | 18.8 22.5 | | 22.6 27.1 | 85 × 215 1.500 |
| 31-10637 | LKT 25-480-DP60 | 3 x 95.9 | 3.9 4.7 | 4.8 5.7 | 5.2 6.3 | 8.1 9.8 | 14.5 17.4 | 15.6 18.7 | 17.5 21.0 | 20.8 25.0 | | 25.1 30.1 | 85 × 278 1.850 |
| 31-10638 | LKT 11,25-525-DP60 | 3 x 36.1 | 1.5 1.8 | 1.8 2.2 | 2.0 2.4 | 3.1 3.7 | 5.4 6.5 | 5.9 7.0 | 6.6 7.9 | 7.8 9.4 | 9.4 11.25 | 10.3 12.4 | 85 x 163 1.150 |
| 31-10639 | LKT 14-525-DP60 | 3 x 44.9 | 1.8 2.2 | 2.2 2.7 | 2.4 2.9 | 3.8 4.6 | 6.8 8.1 | 7.3 8.8 | 8.2 9.8 | 9.8 11.7 | 11.7 14.0 | 12.8 15.4 | 85 × 215 1.500 |
| 31-10640 | LKT 22,5-525-DP60 | 3 x 72.2 | 2.9 3.5 | 3.6 4.3 | 3.9 4.7 | 6.1 7.3 | 10.9 13.1 | 11.7 14.1 | 13.2 15.8 | 15.7 18.8 | 18.8 22.5 | 20.6 24.7 | 85 × 278 1.850 |
| 31-10641 | LKT 28-525-DP60 | 3 x 89.8 | 3.7 4.4 | 4.5 5.4 | 4.9 5.9 | 7.6 9.1 | 13.5 16.3 | 14.6 17.5 | 16.4 19.7 | 19.5 23.4 | 23.3 | 25.7 30.8 | 85 × 278 1.850 |



${/\!\!/}$ Standard Capacitors (three-phase, V_N: 600 V...800 V) - UL/CSA certified

Type LKT...-DP60 for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | Rated Reactive Power in kvar at Rated Voltage $(V_{_N})$ 50 Hz / 60 Hz | | | | | | | | | Dimensions (d x h) Weight (net) |
|-----------------|-------------------|-------------|-------------------|--|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------------------|
| | | [µF] | 208 V | 240 V | 400 V | 440 V | 480 V | 525 V | 600 V | 690 V | 800 V | [A] | [mm] [kg] |
| 31-10823 | LKT 1-600-DP60 | 3 x 2.5 | 0.1 0.1 | 0.1 0.2 | 0.4 0.4 | 0.4 0.5 | 0.5 0.6 | 0.6 0.8 | 0.8 1.0 | | | 0.8 1.0 | 85 × 215 1.500 |
| 31-10824 | LKT 1,5-600-DP60 | 3 x 3.7 | 0.2 0.2 | 0.2 0.2 | 0.6 0.7 | 0.7 0.8 | 0.8 1.0 | 1.0 1.2 | 1.3 1.5 | | | 1.2 1.4 | 85 × 215 1.500 |
| 31-10825 | LKT 2-600-DP60 | 3 x 4.9 | 0.2 0.2 | 0.3 | 0.7 0.9 | 0.9 1.1 | 1.1 1.3 | 1.3 1.5 | 1.7 2.0 | | | 1.6 1.9 | 85 × 215 1.500 |
| 31-10826 | LKT 2,5-600-DP60 | 3 x 6.1 | 0.3 | 0.3 0.4 | 0.9 1.1 | 1.1 1.3 | 1.3 1.6 | 1.6 1.9 | 2.1 2.5 | | | 2.0 2.4 | 85 × 215 1.500 |
| 31-10827 | LKT 3-600-DP60 | 3 x 7.4 | 0.3 0.4 | 0.4 0.5 | 1.1 1.3 | 1.3 1.6 | 1.9 1.9 | 2.1 2.3 | 2.4 3.0 | | | 2.4 2.9 | 85 × 215 1.500 |
| 31-10828 | LKT 4-600-DP60 | 3 x 9.8 | 0.4 0.5 | 0.5 0.6 | 1.5 1.8 | 1.8 2.2 | 2.1 2.6 | 2.6 3.1 | 3.3 4.0 | | | 3.2 3.8 | 85 × 215 1.500 |
| 31-10829 | LKT 5-600-DP60 | 3 x 12.3 | 0.5 0.6 | 0.7 0.8 | 1.9 2.2 | 2.2 2.7 | 2.7 3.2 | 3.2 3.8 | 4.2 5.0 | | | 4.0 4.8 | 85 × 215 1.500 |
| 31-10830 | LKT 6-600-DP60 | 3 x 14.7 | 0.6 0.7 | 0.8 1.0 | 2.2 2.7 | 2.7 3.2 | 3.2 3.8 | 3.8 4.6 | 5.0 6.0 | | | 4.8 5.8 | 85 × 215 1.500 |
| 31-10831 | LKT 7,5-600-DP60 | 3 x 18.4 | 0.8 0.9 | 1.0 1.2 | 2.8 3.3 | 3.4 4.0 | 4.0 4.8 | 4.8 5.7 | 6.3 7.5 | | | 6.0 7.2 | 85 × 215 1.500 |
| 31-10642 | LKT 10-600-DP60 | 3 x 24.6 | 1.0 1.2 | 1.3 1.6 | 3.7 4.4 | 4.5 5.4 | 5.3 6.4 | 6.4 7.7 | 8.3 10.0 | | | 8.0 9.6 | 85 x 215 1.500 |
| 31-10643 | LKT 12,5-600-DP60 | 3 x 30.7 | 1.3 1.5 | 1.7 2.0 | 4.6 5.6 | 5.6 6.7 | 6.7 8.0 | 8.0 9.6 | 10.4 12.5 | | | 10.0 12.0 | 85 × 215 1.500 |
| 31-10832 | LKT 15-600-DP60 | 3 x 36.8 | 1.5 1.8 | 2.0 2.4 | 5.6 6.7 | 6.7 8.1 | 8.0 9.6 | 9.6 11.5 | 12.5 15.0 | | | 12.0 14.4 | 85 × 215 1.500 |
| 31-10833 | LKT 17,5-600-DP60 | 3 x 43.0 | 1.8 2.1 | 2.3 2.8 | 6.5 7.8 | 7.8 9.4 | 9.3 11.2 | 11.2 13.4 | 14.6 17.5 | | | 14.0 16.8 | 85 × 215 1.500 |
| 31-10644 | LKT 20-600-DP60 | 3 x 49.1 | 2.0 2.4 | 2.7 3.2 | 7.4 8.9 | 9.0 10.8 | 10.7 12.8 | 12.8 15.3 | 16.7 20.0 | | | 16.0 19.2 | 85 × 278 1.850 |
| 31-10834 | LKT 22,5-600-DP60 | 3 x 55.3 | 2.3 2.7 | 3.0 3.6 | 8.3 10.0 | 10.1 12.1 | 12.0 14.4 | 14.4 17.2 | 18.8 22.5 | | | 18.0 21.7 | 85 × 278 1.850 |
| 31-10645 | LKT 25-600-DP60 | 3 x 61.4 | 2.5 3.0 | 3.3 4.0 | 9.3 11.1 | 11.2 13.4 | 13.3 16.0 | 16.0 19.1 | 20.8 25.0 | | | 20.0 24.1 | 85 × 320 2.150 |
| 31-10646 | LKT 12,5-690-DP60 | 3 x 23.2 | 0.9 1.1 | 1.3 1.5 | 3.5 4.2 | 4.2 5.1 | 5.0 6.0 | 6.0 7.2 | 7.9 9.5 | 10.4 12.5 | | 8.7 10.5 | 85 × 215 1.500 |
| 31-10647 | LKT 15-690-DP60 | 3 x 27.9 | 1.1 1.4 | 1.5 1.8 | 4.2 5.0 | 5.1 6.1 | 6.0 7.3 | 7.2 8.7 | 9.5 11.3 | 12.5 15.0 | | 10.5 12.6 | 85 × 215 1.500 |
| 31-10648 | LKT 20-690-DP60 | 3 x 37.1 | 1.5 1.8 | 2.0 2.4 | 5.6 6.7 | 6.8 8.1 | 8.1 9.7 | 9.7 11.6 | 12.6 15.1 | 16.7 20.0 | | 13.9 16.7 | 85 × 215 1.500 |
| 31-10836 | LKT 22,1-690-DP60 | 3 x 41.0 | 1.7 2.0 | 2.2 2.7 | 6.2 7.4 | 7.5 9.0 | 8.9 10.7 | 10.7 12.8 | 13.9 16.7 | 18.4 22.1 | | 15.4 18.5 | 85 × 278 1.850 |
| 31-10649 | LKT 25-690-DP60 | 3 x 46.4 | 1.9 2.3 | 2.5 3.0 | 7.0 8.4 | 8.5 10.2 | 10.1 12.1 | 12.1 14.5 | 15.8 18.9 | 20.8 25.0 | | 17.4 20.9 | 85 × 278 1.850 |
| 31-10650 | LKT 30-690-DP60 | 3 x 55.7 | 2.3 2.7 | 3.0 3.6 | 8.4 10.1 | 10.2 12.2 | 12.1 14.5 | 14.5 17.4 | 18.9 22.7 | 25.0 30.0 | | 20.9 25.1 | 85 × 320 2.150 |
| 31-10661 | LKT 12,6-800-DP60 | 3 x 17.4 | 0.7 0.9 | 0.9 1.1 | 2.6 3.2 | 3.2 3.8 | 3.8 4.5 | 4.5 5.4 | 5.9 7.1 | 7.8 9.4 | 10.5 12.6 | 7.6 9.1 | 85 × 215 1.500 |
| 31-10662 | LKT 16-800-DP60 | 3 x 22.1 | 0.9 1.1 | 1.2 1.4 | 3.3 4.0 | 4.0 4.8 | 4.8 5.8 | 5.7 6.9 | 7.5 9.0 | 9.9 11.9 | 13.3 16.0 | 9.6 11.5 | 85 × 215 1.500 |
| 31-10663 | LKT 25,2-800-DP60 | 3 x 34.8 | 1.4 1.7 | 1.9 2.3 | 5.3 6.3 | 6.4 7.6 | 7.6 9.1 | 9.0 10.9 | 11.8 14.2 | 15.6 18.8 | 21.0 25.2 | 15.2 18.2 | 85 × 278 1.850 |



$/\!\!/$ Premium Capacitors (three-phase, V_N: 400 V...525 V) - UL/CSA certified

Type LKT...-DL60 for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Rea z / 60 ł | ctive P | ower | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | | | |
|-----------------|--------------------|-------------|-------------------|-------------------|---------------------|-----------------------|---|---------------------------------------|-----------------------|-----------------------|-----------------------|---------------------|--------------------------|
| | | [µF] | 208V | 240V | 400 V | 440V | 480V | 525V | 570V | 600 V | 615V | [A] | [mm] [kg] |
| 31-10680 | LKT 12-400-DL60 | 3 x 66.3 | 2.7 3.2 | 3.6 4.3 | 10.0 12.0 | 12.1* 14.5* | | | | | | 14.4 17.3 | 85 × 215 1.500 |
| 31-10681 | LKT 15-400-DL60 | 3 x 82.9 | 3.4 4.1 | 4.5 5.4 | 12.5 15.0 | 15.1* 18.2* | | | | | | 18.0 21.7 | 85 × 215 1.500 |
| 31-10682 | LKT 24-400-DL60 | 3 x 132.6 | 5.4 6.5 | 7.2 8.6 | | 24.2* 29.0* | | | | | | 28.9 34.6 | 85 × 278 1.850 |
| 31-10683 | LKT 12-440-DL60 | 3 x 54.8 | 2.2 2.7 | 3.0 3.6 | 8.3 9.9 | 10.0 12.0 | 11.9* 14.3* | | | | | 13.1 15.7 | 85 × 163 1.150 |
| 31-10684 | LKT 15-440-DL60 | 3 x 68.5 | 2.8 3.4 | 3.7 4.5 | 10.3 12.4 | 12.5 15.0 | 14.9* 17.9* | | | | | 16.4 19.7 | 85 × 215 1.500 |
| 31-10685 | LKT 24-440-DL60 | 3 x 109.6 | 4.5 5.4 | 6.0 7.1 | 16.5 19.8 | | 23.8* 28.6* | | | | | 26.2 31.5 | 85 × 278 1.850 |
| 31-10686 | LKT 10-480-DL60 | 3 x 38.4 | 1.6 1.9 | 2.1 2.5 | 5.8 6.9 | 7.0 8.4 | 8.3 10.0 | 10.0* 12.0* | | | | 10.0 12.0 | 85 × 163 1.150 |
| 31-10687 | LKT 12,5-480-DL60 | 3 x 48.0 | 2.0 2.3 | 2.6 3.1 | 7.2 8.7 | 8.8 10.5 | 10.4 12.5 | 12.5* 15.0* | | | | 12.5 15.0 | 85 × 215 1.500 |
| 31-10688 | LKT 20-480-DL60 | 3 x 76.8 | 3.1 3.8 | 4.2 5.0 | 11.6 13.9 | 14.0 16.8 | 16.7 20.0 | 19.9* 23.9* | | | | 20.0 24.1 | 85 × 278 1.850 |
| 31-10689 | LKT 25-480-DL60 | 3 x 95.9 | 3.9 4.7 | 5.2 6.3 | 14.5 17.4 | 17.5 21.0 | 20.8 25.0 | 24.9 29.9 | | | | 25.1 30.1 | 85 × 278 1.850 |
| 31-10690 | LKT 11,25-525-DL60 | 3 x 36.1 | 1.5 1.8 | 2.0 2.4 | 5.4 6.5 | 6.6 7.9 | 7.8 9.4 | 9.4 11.25 | 11.1* 13.3* | 12.2* 14.7* | 12.9* 15.4* | 10.3 12.4 | 85 × 215 1.500 |
| 31-10691 | LKT 14-525-DL60 | 3 x 44.9 | 1.8 2.2 | 2.4 2.9 | 6.8 8.1 | 8.2 9.8 | 9.8 11.7 | 11.7 14.0 | 13.8* 16.5* | 15.2* 18.3* | 16.0* 19.2* | 12.8 15.4 | 85 × 215 1.500 |
| 31-10692 | LKT 22,5-525-DL60 | 3 x 72.2 | 2.9 3.5 | 3.9 4.7 | 10.9 13.1 | 13.2 15.8 | 15.7 18.8 | | 22.1* 26.5* | 24.5* 29.4* | 25.7* 30.9* | 20.6 24.7 | 85 × 320 2.150 |

Generally, "Premium" (DL-type) capacitors can also be operated at higher voltages with the "Standard" (DP-type) specification. Please note that the DP values in the chart are marked with *.



${/\!\!/}$ Heavy Duty Capacitors (three-phase, V_N: 480 V...525 V) - UL/CSA cerified

Type LKT...-HD60 for 50 Hz / 60 Hz

| Article- No. | Туре | Capacitance | | d Read z / 60 H | | ower | (V _N) | Rated current at V _N 50 Hz / 60 Hz | Dimensions (d x h) Weight (net) | | | | |
|-----------------|-------------------|---------------|-------------------|--------------------|-------------------|---------------------|---------------------|---|--|---------------------|---------------------|---------------------|--------------------------|
| | | [μ F] | 208V | 240V | 300 V | 400V | 415V | 440V | 480V | 500V | 525V | [A] | [mm] [kg] |
| 31-10835 | LKT 16,7-480-HD60 | 3 x 64.1 | 2.6 3.1 | 3.5 4.2 | 5.4 6.5 | 9.7 11.6 | 10.4 12.5 | 11.7 14.0 | 13.9 16.7 | | | 16.7 20.1 | 85 × 215 1.500 |
| 31-10693 | LKT 20,1-480-HD60 | 3 x 77.1 | 3.1 3.8 | 4.2 5.0 | 6.5 7.9 | 11.6 14.0 | 12.5 15.0 | 14.1 16.9 | 16.8 20.1 | | | 20.2 24.2 | 85 × 215 1.500 |
| 31-10694 | LKT 21,6-480-HD60 | 3 x 82.9 | 3.4 4.1 | 4.5 5.4 | 7.0 8.4 | 12.5 15.0 | 13.5 16.2 | 15.1 18.2 | 18.0 21.6 | | | 21.7 26.0 | 85 × 215 1.500 |
| 31-10695 | LKT 18,7-500-HD60 | 3 x 66.1 | 2.7 3.2 | 3.6 4.3 | 5.6 6.7 | 10.0 12.0 | 10.7 12.9 | 12.1 14.5 | 14.4 17.2 | 15.6 18.7 | | 18.0 21.6 | 85 × 215 1.500 |
| 31-10696 | LKT 19,3-500-HD60 | 3 x 68.3 | 2.8 3.3 | 3.7 4.4 | 5.8 6.9 | 10.3 12.4 | 11.1 13.3 | 12.5 15.0 | 14.8 17.8 | 16.1 19.3 | | 18.6 22.3 | 85 × 215 1.500 |
| 31-10697 | LKT 20,2-500-HD60 | 3 x 71.4 | 2.9 3.5 | 3.9 4.7 | 6.1 7.3 | 10.7 12.9 | 11.6 13.9 | 13.0 15.6 | 15.5 18.6 | 16.8 20.2 | | 19.4 23.3 | 85 × 215 1.500 |
| 31-10698 | LKT 21,6-525-HD60 | 3 x 69.3 | 2.8 3.4 | 3.8 4.5 | 5.9 7.1 | 10.5 12.5 | 11.3 13.5 | 12.6 15.2 | 15.1 18.1 | 16.3 19.6 | 18.0 21.6 | 18.0 23.8 | 85 × 215 1.500 |