HIGH VOLTAGE **POWER CAPACITORS**

KLV

SINGLE-PHASE CAPACITORS

THREE-PHASE CAPACITORS

SINGLE-PHASE WITH
TWO OUTPUTS - TWIN CAPACITORS

GENERAL

ADVANCED TECHNOLOGY OF KLV CAPACITORS IS **BASED ON CONSTRUCTION OF ALL-FILM CAPACITOR SECTIONS, FOLDING FOIL EDGE DESIGN, IMPROVED ELECTRICAL AND MECHANICAL CONNECTIONS BETWEEN SECTIONS AND IMPREGNATION WITH ENVIRONMENTALLY COMPATIBLE INSULATING OIL**. KLV CAPACITORS HAVE **VERY LOW DIELECTRIC LOSSES** AND ARE DESIGNED FOR **LONG SERVICE LIFE**.

- KLV 3xxx - INTERNALLY FUSED CAPACITORS. **EACH CAPACITOR ELEMENT HAS A SEPARATE INTERNAL FUSE**.
- KLV1xxx - CAPACITORS **WITHOUT INTERNAL FUSES**
- KLVxxx4 - **SINGLE PHASE CAPACITORS WITH TWO OUTPUTS (TWIN)**. CAPACITORS ARE SUPPLIED IN SETS OF THREE TO PROVIDE AN ECONOMICAL UNBALANCE DETECTION SCHEME. THIS IS PARTICULARLY ADVAN-TAGEOUS IN LOW OUTPUT CAPACITOR BANKS.

TECHNICAL DATA

RATED POWER (MAX.):	600 kVAR, 50 Hz ; 720 KVAR, 60 Hz
RATED VOLTAGE:	1.0 - 20 KV
RATED FREQUENCY:	50 OR 60 Hz
LOSSES TOTAL:	MAX. 0.2 W/kVAR (0.08...0.15 AVERAGE)
DIELECTRIC:	ALL-FILM (HAZY POLYPROPYLENE)
IMPREGNATING FLUID:	ENVIRONMENTALLY COMPATIBLE IMPREGNATING OIL BASED ON M/DBT (NON - PCB)
DISCHARGE RESISTOR:	BUILT IN DISCHARGE RESISTOR REDUCES THE VOLTAGE ON A DE-ENERGISED CAPACITOR FROM THE CREST OF RATED VOLTAGE TO 75 V IN 10 MINUTES OR LESS (DISCHARGE TO 50 V IN 5 MINUTES ON DEMAND).
PERMISSIBLE OVERLOADS:	MAXIMUM PERMISSIBLE CURRENT 1,3 x I_N CONTINUOUSLY MAXIMUM PERMISSIBLE VOLTAGE1,1 x U_N CONTINUOUSLY, 12 H PER DAY
QUALITY:	ISKRA IS CERTIFIED ACCORDING TO ISO 9001(QUALITY) AND ISO 14001 (ENVIRONMENT)
STANDARDS:	IEC 60871-1, ANSI / IEEE 18, NEMA CP 1

HIGH VOLTAGE **POWER CAPACITORS**

KLV

ROUTINE TESTS

SEALING TEST:	MINIMUM OF 16 HOURS AT 75°C
VOLTAGE TEST BETWEEN TERMINALS:	2.15 x RATED VOLTAGE AC, 10 s OR 4.3 x RATED VOLTAGE DC, 10 s
AC VOLTAGE TEST BETWEEN TERMINALS AND CONTAINER:	ACCORDING TO IEC 60871-1, TABLE 3, 10 s
DISCHARGE RESISTOR TEST	
MEASUREMENT OF LOSSES (TAN δ)	

SERVICE CONDITIONS

TEMPERATURE CATEGORIES UP TO -40 /D

UPPER TEMPERATURE CATEGORY LIMIT	C	D
MAXIMUM	50	55
HIGHEST MEAN OVER 24 H	40	45
HIGHEST MEAN OVER 1 YEAR	30	35
LOW TEMPERATURE LIMIT DURING OPERATION	-25 °C OR -40 °C	

INSTALLATION:	OUTDOOR OR INDOOR
INSTALLATION ALTITUDE (ABOVE SEA LEVEL):	1000 M STANDARD, UP TO 4000 M ON DEMAND
CASE MATERIAL:	STAINLESS STEEL PLATE 1.5 MM THICK
FINISH / COLOUR:	TWO-COMPONENT DURABLE PAINTING RAL 7032 (LIGHT GREY) ON TREATED SURFACES.
FIXING:	DEPENDING ON THE HEIGHT OF CAPACITOR, CON-TAINER IS EQUIPED WITH ONE OR TWO MOUNTING BRACKETS ON THE NAROWER SIDES. BRACKETS HAVE MOUNTING SLOTS 11 X 20 mm

TERMINAL & CONNECTIONS

BUSHINGS:	BROWN OR GRAY PORCELAIN BUSHINGS, WELDED TO THE CONTAINER.
THREAD OF TERMINAL STUD:	M14
CURRENT:	110 A MAX.
CONNECTIONS:	TERMINAL CLAMPS WITH PROVISION TO ACCOMMO-DATE ANY COMBINATION OF 2 CONDUCTORS FROM 4 mm^2 SOLID TO 50 mm^2 STRANDED WIRE ARE AVAILABLE ON DEMAND*. THE CAPACITOR UNIT GROUNDING IS PROVIDED BY UNPAINTED SURFACE OF MOUNTING BRACKETS.
PRESSURE SWITCH:	WITH TERMINAL CAP SUPPLIED ON DEMAND
NAME PLATE:	DURABLE PLASTIC LABEL WITH PERMANENT PRINTING

NOTE:
* TERMINAL CLAMPS 70 mm^2 ALSO AVAILABLE ON DEMAND

HIGH VOLTAGE **POWER CAPACITORS**

KLV 1xx1 AND 3xx1, SINGLE-PAHSE CAPACITORS

TYPICAL DIMENSIONS

Q_n at 50 Hz (kVar)	U_n KLV 1xxx (WITHOUT INTERNALY FUSED) (kV)	U_n KLV 3xxx (INTERNALY FUSED) (kV)	DIMENSIONS (mm)						WEIGHT (kg)	WEIGHT* (kg)
			A	B	B*	C	D BIL 75-95 kV	D BIL 125 kV		
100	2.00 - 16.5 (20)	2.00 - 2.4	145	310	340	120 2R	240	315	26	28
150	2.00 - 16.5 (20)	2.00 - 4.8	145	400	430	200 2R	240	315	32	34
200	2.00 - 16.5 (20)	2.00 - 4.8	145	500	550	200 2R	240	315	39	42
250	2.27 - 16.5 (20)	2.27 - 7.2	145	600	670	200 2R	240	315	47	50
300	2.72 - 16.5 (20)	2.72 - 7.2	145	720	770	200 2R	240	315	53	56
350	3.18 - 16.5 (20)	3.18 - 9.6	145	840	870	200 2R	240	315	60	65
400	3.64 - 16.5 (20)	3.64 - 9.6	145	940	1000	200 2R	240	315	66	70
450	4.10 - 16.5 (20)	4.10 - 12	175	860	940	100 2R	240	315	75	78
500	4.56 - 16.5 (20)	4.56 - 14.4	175	920	1000	100 2R	240	315	82	89
550	5.00 - 16.5 (20)	5.00 - 14.4	190	920	970	100 2R	240	315	93	98
600	5.46 - 16.5 (20)	5.46 - 14.4	190	1000	1025	100 2R	240	315	93	98

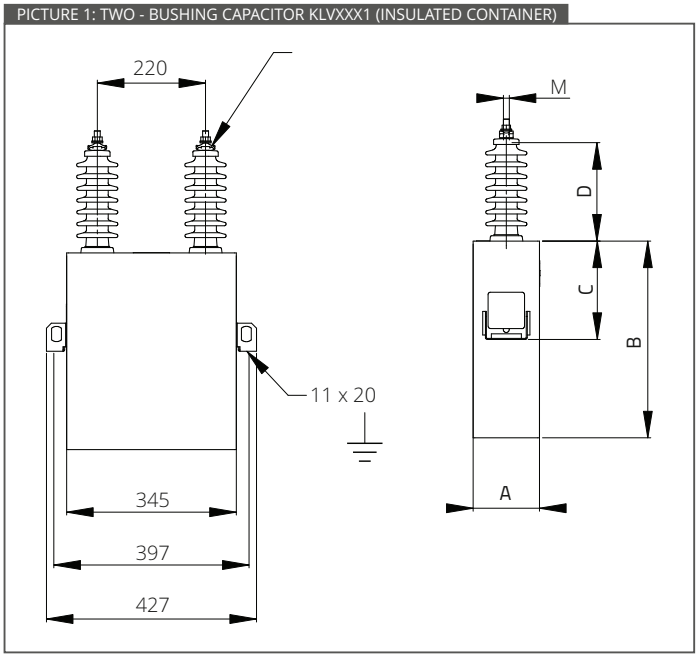
NOTES:

* DIMENSIONS WITH AN ASTERISK (*) REFER TO INTERNALLY FUSED CAPACITORS

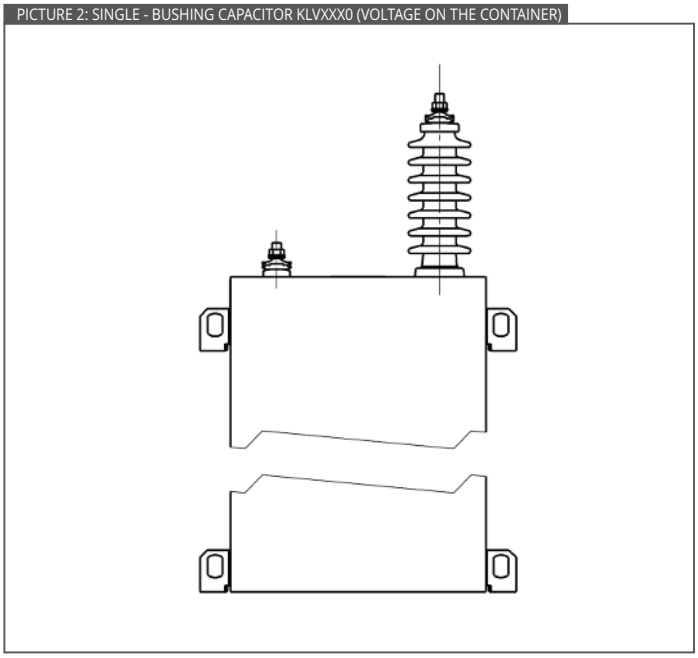
1) VOLTAGE IN PARENTHESIS ( ) REFER TO ONE-BUSHING CAPACITORS ONLY
2) FOR OUTPUT AND VOLTAGE OUTSIDE THIS RANGE, PLEASE CONTACT FACTORY
3) CASE SIZES ARE TYPICAL AND ACTUAL SIZES WILL BE CONFIRMED AT THE TIME OF ORDER
4) CAPACITOR CONTAINER COULD HAVE 2 OR 4 BRACKETS (1 OR 2 BRACKETS ON NARROWER SIDE)

   DIMENSION C - 2R MEANS 1 BRACKET FROM EACH SIDE (CAPACITOR TYPE KLVXX1X); 4R MEANS 2 BRACKETS ON EACH SIDE, ONE ON THE TOP AND ONE ON THE BOTTOM, EXCEPT WHERE THE HEIGHT IS 310 MM OR BELOW, WHERE BRACKETS ARE ON THE BOTTOM ONLY (TYPE KLVXX2X).
5) DIM A MAY EXPAND UP TO 115% DUE TO THERMAL FLEXURE
6) POWER AT 60 HZ = 1.2 X POWER AT 50 HZ

PICTURE 1: TWO - BUSHING CAPACITOR KLVXXX1 (INSULATED CONTAINER)



PICTURE 2: SINGLE - BUSHING CAPACITOR KLVXXX0 (VOLTAGE ON THE CONTAINER)



BIL 20/60 kV

TYPICAL DIMENSIONS (PICTURE 3)

U_n (kV)	Q_n at 50 Hz (kVar)	Dimensions (mm)					Weight (kg)	Weight* (kg)
		A	B	B*	D	E		
3.3 - 7.2	50	145	200	200	250	240	16	20
	100	145	290	325	250	240	23	26
	150	145	415	430	250	240	30	33
	200	145	520	550	250	240	37	42
	250	145	620	670	250	240	44	49
	300	145	740	770	250	240	51	55
	350	145	825	900	250	240	60	63
	400	145	940	1000	250	240	66	71
	450	175	870	960	250	240	73	78

BIL 28/75 kV

TYPICAL DIMENSIONS (PICTURE 4)

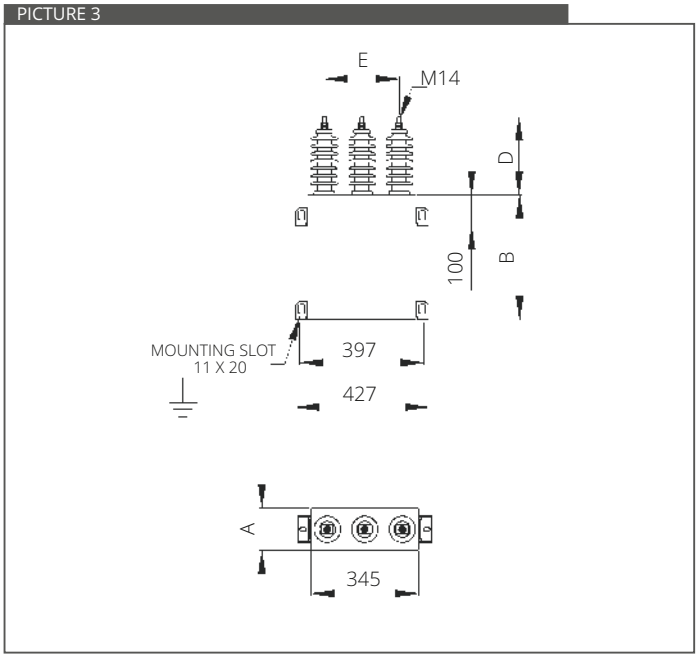
U_n (kV)	Q_n at 50 Hz (kVar)	Dimensions (mm)					Weight (kg)	Weight* (kg)
		A	B	B*	D	E		
UP TO 12	50	145	200	200	300	510	22	23
	100	145	290	310	300	510	28	29
	150	145	400	430	300	510	35	37
	200	145	500	550	300	510	42	44
	250	145	600	670	300	510	49	51
	300	145	720	770	300	510	55	60
	350	145	825	870	300	510	63	66
	400	145	940	1000	300	510	69	75
	450	175	840	940	300	510	76	82

NOTES:

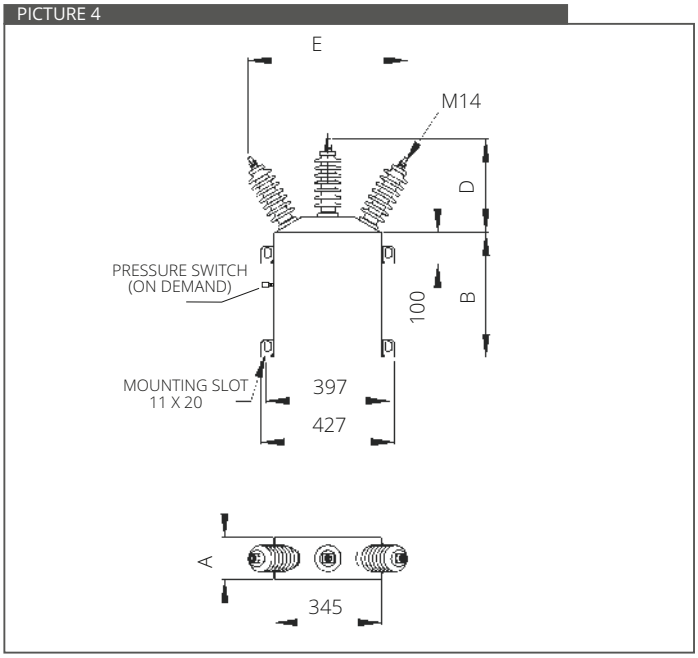
* DIMENSIONS WITH AN ASTERISK (*) REFER TO INTERNALLY FUSED CAPACITORS

1) FOR OUTPUT AND VOLTAGE OUTSIDE THIS RANGE, PLEASE CONTACT FACTORY
2) CASE SIZES ARE TYPICAL AND ACTUAL SIZES WILL BE CONFIRMED AT THE TIME OF ORDER
3) PRESSURE SWITCH ON DEMAND
4) EITHER 2 OR 4 FIXING BRACKETS ARE USED, DEPENDING ON THE HEIGHT OF THE UNIT. SPECIAL BRACKET POSITIONS CAN BE PROVIDED IF REQUIRED. PLEASE SPECIFY AT THE ENQUIRY STAGE.
5) DIM A MAY EXPAND UP TO 115 % DUE TO THERMAL FIEXURE
6) POWER AT 60 HZ = 1.2 x POWER AT 50 HZ

PICTURE 3



PICTURE 4



BIL 20/60 kV

TYPICAL DIMENSIONS (PICTURE 5)

U_n (kV)	Q_n at 50 Hz (kVar)	Dimensions (mm)					Weight (kg)	Weight* (kg)
		A	B	B*	D	E		
2.0 - 4.16	50 (2x25)	135	200	220	250	240	22	23
	100 (2x50)	145	290	310	250	240	28	29
	150 (2x75)	145	400	430	250	240	35	37
	200 (2x100)	145	500	550	250	240	42	44
	250 (2x125)	145	620	640	250	240	49	51
	300 (2x150)	145	720	770	250	240	51	55
	400 (2x200)	145	940	1000	250	240	66	71

BIL 28/75 kV

TYPICAL DIMENSIONS (PICTURE 6)

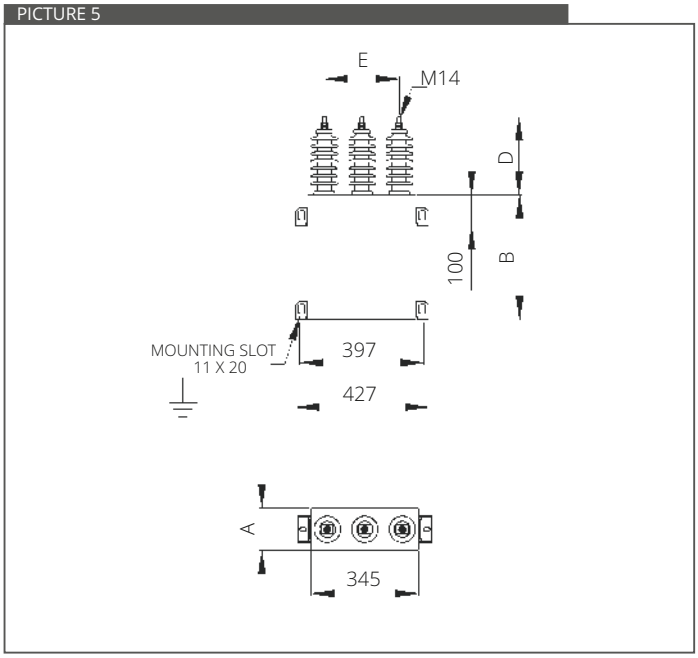
U_n (kV)	Q_n at 50 Hz (kVar)	Dimensions (mm)					Weight (kg)	Weight* (kg)
		A	B	B*	D	E		
UP TO 6.93	50 (2x25)	145	180	200	300	510	22	23
	100 (2x50)	145	290	330	300	510	28	29
	150 (2x75)	145	400	440	300	510	35	37
	200 (2x100)	145	500	550	300	510	42	44
	250 (2x125)	145	590	670	300	510	49	51
	300 (2x150)	145	690	770	300	510	55	60
	400 (2x200)	145	900	1000	300	510	69	75

NOTES:

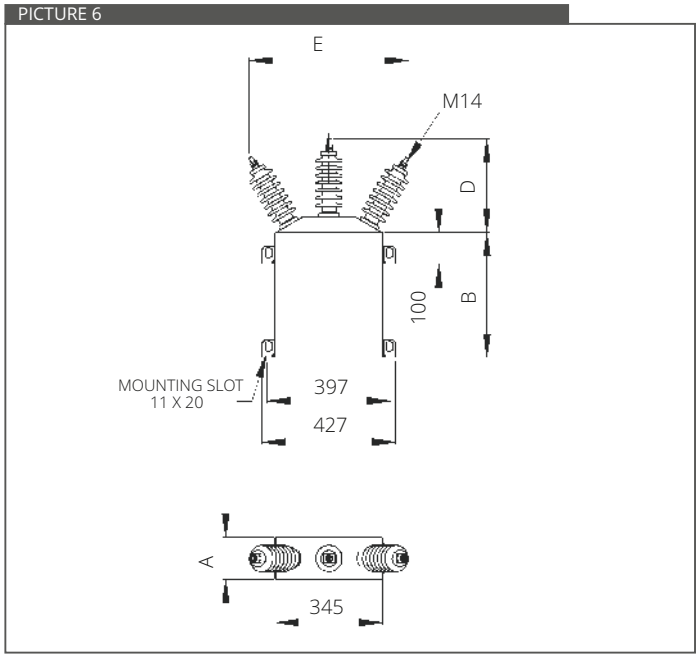
* DIMENSIONS WITH AN ASTERISK (*) REFER TO INTERNALLY FUSED CAPACITORS

1) FOR OUTPUT AND VOLTAGE OUTSIDE THIS RANGE, PLEASE CONTACT FACTORY
2) CASE SIZES ARE TYPICAL AND ACTUAL SIZES WILL BE CONFIRMED AT THE TIME OF ORDER
3) EITHER 2 OR 4 FIXING BRACKETS ARE USED, DEPENDING ON THE HEIGHT OF THE UNIT. SPECIAL BRACKET POSITIONS CAN BE PROVIDED IF REQUIRED. PLEASE SPECIFY AT THE ENQUIRY STAGE.4) DIM A MAY EXPAND UP TO 115 % DUE TO THERMAL FIEXURE
5) POWER AT 60 HZ = 1.2 x POWER AT 50 HZ

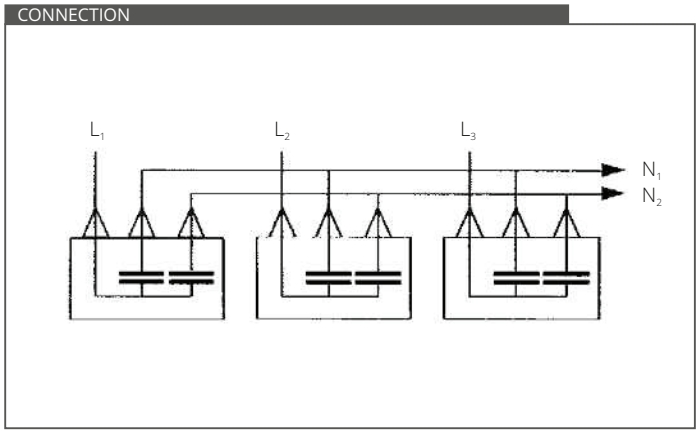
PICTURE 5



PICTURE 6



CONNECTION



ORDERING DATA

TYPE DESIGNATION DATA:

A1 A2 A3 A4 A5-A6 A7

K

DIELECTRIC

APPLICATION

INTERNAL DEVICES

CASE MATERIAL AND FINISH

NUMBER OF TERMINALS, CONNNECTION

A1	K	CAPACITOR
A2	L	DIELECTRIC POLYPROPYLENE (ALL-FILM)
A3	V	HIGH VOLTAGE CAPACITOR FOR POWER FACTOR CORRECTION
A4	1	DISCHARGE RESISTOR BUILT IN
	2	WITHOUT DISCHARGE RESISTORS
	3	INTERNAL FUSES AND DISCHARGE RESISTORS BUILT IN
	4	INTERNAL FUSES BUILT IN
A5	0	ORDINARY STEEL CASE COATED WITH PRIMER AND TOP COAT (INTENDED FOR INDOOR INSTALLATION)
	2	STAINLESS STEEL CASE COATED WITH PRIMER AND TOP COAT (INTENDED FOR OUTDOOR AND AGGRESSIVE ATMOSPHERE INSTALLATION)
A6	1	CASE SIDE MOUNTING (2 BRACKETS)
	2	CASE SIDE MOUNTING (2 BRACKETS ON THE TOP AND / OR 2 BRACKETS ON THE BOTTOM)
A7	0	SINGLE PHASE, ONE BUSHING CAPACITOR
	1	SINGLE-PHASE, TWO BUSHING CAPACITOR
	3	THREE PHASE CAPACITOR
	4	SINGLE PHASE CAPACITOR WITH TWO OUTPUTS

WHEN ORDERING, PLEASE STATE:

RATED OUTPUT	**kVar**
RATED VOLTAGE	V
RATED FREQUENCY	Hz
TOLERANCE OF CAPACITANCE	-...% / +...%
NUMBER OF BUSHINGS	SINGLE BUSHING, TWO BUSHINGS...
INSTALLATION	INDOOR/OUTDOOR
INSULATION LEVEL	.../...kV, IF HIGHER THAN REQUIRED BY U
INTERNAL FUSES	YES/NO
PRESSURE SWITCH	YES/NO
TERMINAL CLAMPS	YES/NO

INDUCTION **HEATING CAPACITORS**

KLS

ADVANCED TECHNOLOGY OF LOW LOSS **KLS CAPACITOR UNITS IS BASED ON CONSTRUCTION OF ALL-FILM CAPACITOR SECTIONS** AND **IMPREGNATION WITH ENVIRONMENTALLY COMPATIBLE INSULATING OIL** (NON-PCB).

APPLICATIONS

KLS CAPACITORS ARE ESPECIALLY **DESIGNED FOR INDUCTIVE HEAT GENERATING PLANTS OPERATING AT FREQUENCIES BETWEEN 50 AND 10000 HZ**. MANUFACTURED BY REQUEST, THESE CAPACITORS ARE DESIGNED TO COMPLY WITH THE SPECIFIC REQUIREMENTS OF EACH CUSTOMER. MOST OF THESE CAPACITORS PROVIDE FOR STEP CHANGES IN KVAR BY VIRTUE OF TERMINATED SECTIONS WITHIN EACH UNIT. THIS ALLOWS FOR THE TUNING OF THE CIRCUIT FOR CHANGING INDUCTIVE LOADS.

CONSTRUCTION

KLS CAPACITORS UTILIZE A POLYPROPYLENE FILM AND ALUMINUM FOIL CONSTRUCTION WITH NON-PCB LIQUID IMPREGNANT. THE IMPREGNATING FLUID M/DBT AND TEXTURED POLYPROPYLENE FILM HAVE EXCEPTIONAL DIELECTRIC PROPERTIES OVER THE ENTIRE OPERATING TEMPERATURE RANGE OF INDUCTION HEATING CAPACITORS.

THE **EXTENDED FOIL DESIGN OF CAPACITOR ELEMENTS MAKES NEARLY CONTINUOUS CONNECTION TO THE FOILS**, SO CAPACITOR OVERCURRENT AND COOLING CAPABILITIES ARE INCREASED.

KLS CAPACITORS **DESIGNED FOR OPERATING AT LOWER FREQUENCIES ARE AIR COOLED**. MEDIUM FREQUENCY CAPACITORS UTILIZE INTERNAL TUBES FOR COOLING. BUSHINGS AND CONNECTION FOR COOLING WATER ARE PLACED ON CAPACITOR CASE COVER.

SAFETY REQUIREMENTS

THE **STANDARD CAPACITOR DOES NOT HAVE INTERNAL DISCHARGE DEVICES** - ALL CAPACITOR UNITS SHOULD BE CONNECTED DIRECTLY WITH A DISCHARGE DEVICE, THIS MAY BE OTHER ELECTRICAL EQUIPMENT CONNECTED DIRECTLY ACROSS THE CAPACITOR (I.E. FURNACE COIL). THE DISCHARGE PATH MUST NOT HAVE A DISCONNECTING SWITCH OR FUSES.

WHEN THE CAPACITORS IS SWITCHED OFF AND RE-ENERGIZED AT SHORT INTERVALS, ARRANGEMENTS SHOULD BE MADE SO THAT, AT THE TIME OF RE-APPLICATION OF THE VOLTAGE, THE CAPACITOR TERMINAL VOLTAGE SHALL NOT BE MORE THAN 10% OF THE RATED VOLTAGE OF THE CAPACITOR.

BEFORE WORKING ON A CAPACITOR ENSURE THAT THE CAPACITOR BANK IS PROPERLY ISOLATED, WAIT TO ENSURE THE CAPACITOR IS DISCHARGED AND SHORT CIRCUIT THE CAPACITOR TERMINALS BEFORE HANDLING.

QUALITY ASSURANCE

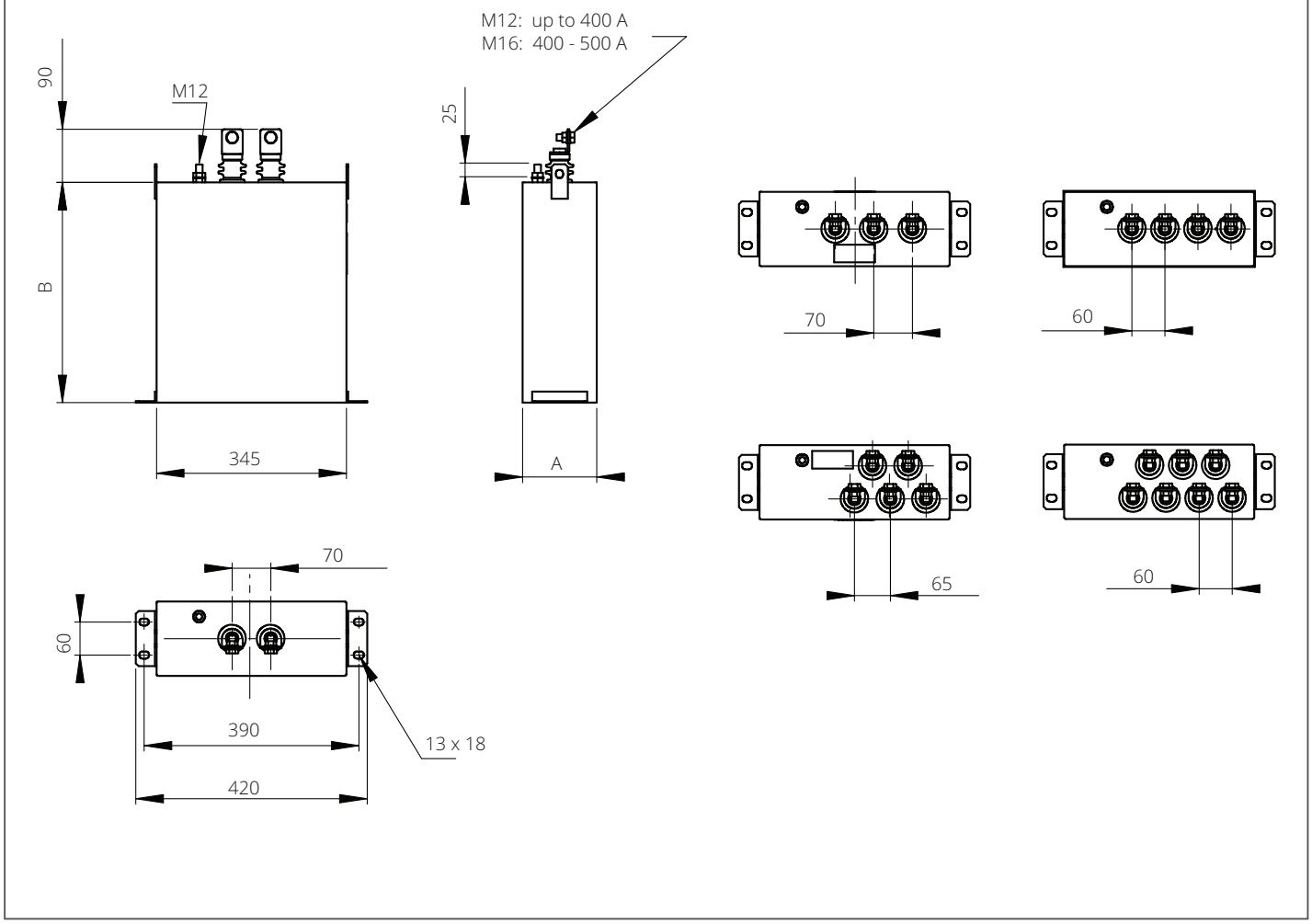
ALL CAPACITORS ARE SUBJECTED TO THE FOLLOWING ROUTINE TESTS:

- SEALING TEST ON CONTAINER
- SHORT CIRCUIT DISCHARGE TEST 1.7 × RATED VOLTAGE DC, ONE DISCHARGE, FOR INTERNALLY FUSED CAPACITORS
- CAPACITANCE MEASUREMENTS
- LOSS MEASUREMENTS AT 50 HZ
- VOLTAGE TEST BETWEEN TERMINALS AT 2.0 × RATED VOLTAGE AC, 10 SEC OR 4.0 × RATED VOLTAGE DC, 10 SEC.
- VOLTAGE TEST TERMINALS TO CONTAINER WHERE APPLICABLE
- CAPACITORS COMPLY WITH IEC 60110-1 AND VDE 0560 PART 9.

50 / 60 Hz

TECHNICAL DATA			
VOLTAGE RANGE	U_n	V	500 - 3000
OUTPUT RANGE	Q_n	kVar	UP TO 600
RATED FREQUENCY	f_n	Hz	50/60
TOLERANCE OF CAPACITY			-5 % . . . +10 % (NARROWER TOLERANCES ON REQUEST)
LOSSES (TYPICAL)		W/kVar	0.15 - 0.3
TEMPERATURE CATEGORY (AMBIENT TEMPERATURE)		° C	-25 / +45 % (AIR-COOLED CAPACITORS)
IMPREGNATING FLUID			BIODEGRADABLE NON-PCB DIELECTRIC OIL BASED ON M/DBT
DISCHARGE RESISTORS			ON DEMAND
INTERNAL FUSES			BUILT IN, WITHOUT FUSES ON DEMAND
TEMPERATURE MONITORING			TEMPERATURE SENSORS CAN BE BUILT-IN UPON REQUEST
PRESSURE MONITORING			PRESSURE SWITCHES CAN BE BUILT-IN UPON REQUEST
CASE MATERIAL			MILD STEEL OR STAINLESS STEEL
CASE FINISH			ONE LAYER OF TOP COAT ON ONE LAYER OF PRIMER. STANDARD COLOUR RAL 7032.
DIMENSIONS			DIM A : 110 - 165 mm, DIM B : UP TO 1000 mm ACTUAL SIZES WILL BE CONFIRMED AT THE TIME OF ORDER

PICTURE 1 - KLS X12X AIR COOLED CAPACITORS 50/60 HZ



INDUCTION **HEATING CAPACITORS**

KLS x2xx, x3xx, x4xx - WATER COOLED

180 ... 10000 Hz

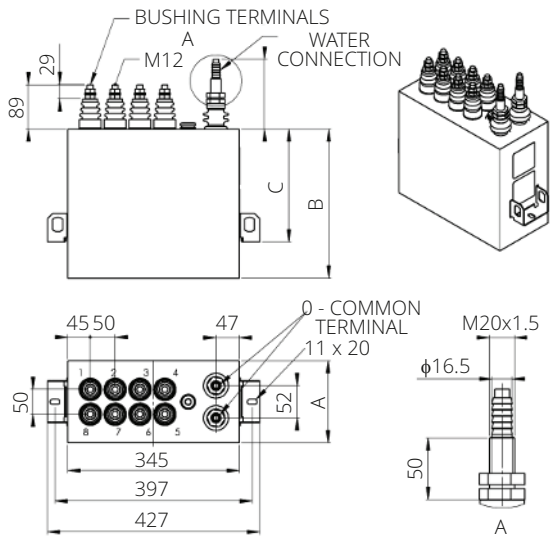
TECHNICAL DATA

VOLTAGE RANGE	U_n	V	100 - 3000
OUTPUT RANGE	Q_n	kVar	UP TO 3000
RATED FREQUENCY	f_n	Hz	150 ... 10000
TOLERANCE OF CAPACITY			-10 % . . . +10 % (NARROWER TOLERANCES ON REQUEST)
LOSSES (TYPICAL)		W/kVar	0.2 - 0.7
TEMPERATURE CATEGORY (AMBIENT TEMPERATURE)		° C	+1 / +45 % (WATER COOLED CAPACITORS)
OUTLET WATER TEMPERATURE		° C	45 MAX.
MAX. PRESSURE OF INCOMING COOLING WATER		bar	8
COOLING WATER FLOW		l/min	4.5 - 12.5
IMPREGNATING FLUID			BIODEGRADABLE NON-PCB DIELECTRIC OIL BASED ON M/DBT
DISCHARGE RESISTORS			NO
INTERNAL FUSES			NO
TEMPERATURE MONITORING			TEMPERATURE SENSORS CAN BE BUILT-IN UPON REQUEST
PRESSURE MONITORING			PRESSURE SWITCHES CAN BE BUILT-IN UPON REQUEST
CASE MATERIAL			BRASS OR ALUMINIUM CONTAINERS FOR MEDIUM FREQUENCY CAPACITORS
CASE FINISH			ONE LAYER OF TOP COAT ON ONE LAYER OF PRIMER. STANDARD COLOUR RAL 7032.
DIMENSIONS			DIM A : 110 - 165 mm, DIM B : UP TO 1000 mm ACTUAL SIZES WILL BE CONFIRMED AT THE TIME OF ORDER
NUMBER OF TAPS			UP TO 8

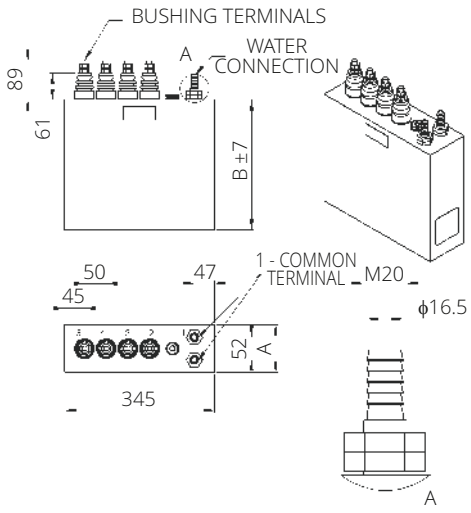
INDUCTION **HEATING CAPACITORS**

KLS x2xx, x3xx, x4xx - WATER COOLED

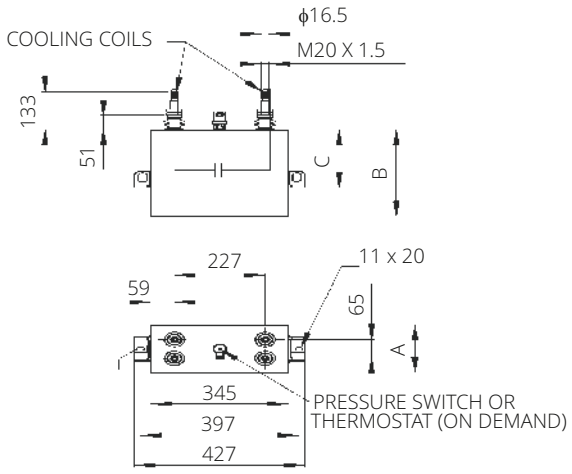
PICTURE 2 - KLS X3XX SINGLE COOLING COIL CAPACITOR (INSULATED POLES, "DEAD"CASE)



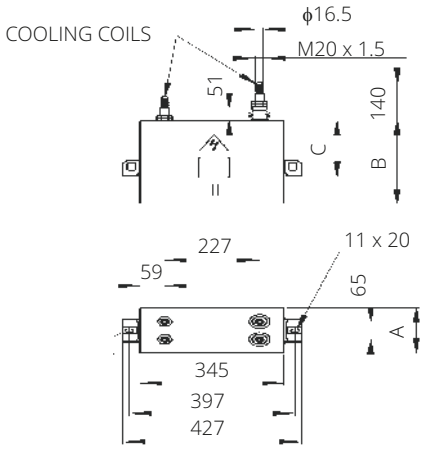
PICTURE 3 - KLS X2XX SINGLE COOLING COIL CAPACITOR ("LIVE" CASE)HZ



PICTURE 4 - KLS X400 DOUBLE COOLING COILS CAPACITOR - "DEAD"



PICTURE 5 -KLS X200 DOUBLE COOLING COILS CAPACITOR - "LIVE" CASE



ORDERING DATA

TYPE DESIGNATION DATA:

A1 A2 A3 A4 A5 A6 A7

K

DIELECTRIC

APPLICATION

INTERNAL DEVICES

CONSTRUCTION

CONTAINER

NUMBER OF TERMINALS, CONNNECTION

A1	K	CAPACITOR
A2	L	DIELECTRIC POLYPROPYLENE (ALL- LM)
A3	S	INDUCTION HEATING CAPACITOR
A4	1	DISCHARGE RESISTORS BUILT IN
	2	WITHOUT DISCHARGE RESISTORS
	3	INTERNAL FUSES ANDDISCHARGE RESISTORS BUILT IN
	4	INTERNAL FUSES BUILT IN
	5	DISCHARGE RESISTO1S AND THERMOSTAT OR PRESSURE SWITCH BUILT-IN
	6	THERMOSTAT OR PRES 217URE SWITCH BUILT-IN
	7	INTERNAL FUSES, DILCHARGE RESISTORS AND THERMOSTAT OR PRESSURE SWITCH BUILT-IN
	8	INTERNAL FUSES, ANL032THERMOSTAT OR PRESSURE SWITCH BUILT-IN
A5	0	AIR COOLED, COMMON1TERMINAL ON THE CASE (»LIVE CASE«)
	1	AIR COOLED, ISOLATED TERMINALS
	2	WATER COOLED, COMM1N TERMINAL ON THE CASE (»LIVE CASE«)
	3	WATER COOLED, ISOLATED TERMINALS
	4	WATER COOLED, TWO C\ 36OLING COILS, ISOLATED TERMINAL
A6	0	CASE SIDE MOUNTING
	2	CASE BOTTOM MOUNTING
A7	0	NUMBER OF TERMINALS

When ordering, please state:

RATED OUTPUT	kVar
RATED VOLTAGE	V
RATED FREQUENCY	Hz
TOLERANCE OF CAPACITANCE	-...% / +...%
COOLING	air / water
TERMINAL CONNECTION	one terminal conne 026ed to the case (“live“) / isolated (“dead“)
NUMBER OF BUSHINGS	
INTERNAL FUSES	Yes/No
DISCHARGE RESISTORS	Yes/No
THERMOSTAT	Yes/No
PRESSURE SWITCH	Yes/No
SPECIAL CONDITIONS	
STANDARDS AND REGULATIONS	