LINE - LOAD REACTORS

Line-load reactors help to keep your equipment to run longer by absorbing many of the disturbances, especially the spikes coming from the electrical system, which otherwise damage or shut down your inverters, variable speed controllers, or other sensitive equipments. They are the modern technological solution to the problems of the inverter and drive applications. They are very effective at reducing harmonic distortion produced by inverters and drives.

TECHNICAL DATA

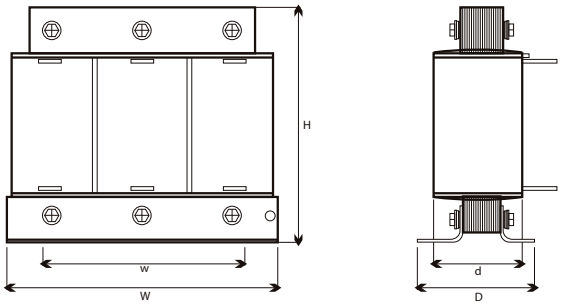
Standarts	: TS EN61558-2-20, TS EN60076-6
	: CE Conformity
Rated Voltage	: 230V...400V...600V...1000V
Rated Current	: 4A.....3000A
Rated Power	: 0,37kW.....1600kW
Rated Frequency	: 50Hz
Phase	: 1 - 3
Impedance	: 4% or demanded
Tolerance of Inductance	: ±5%
Thermal Strength	: 1,15In continuous
Linearity	: 1,4In above
Protection Class	: IP00
İnsulation Class	: F Class 155^{0}C
Impregnation	: H Class Varnish Vacuum Impregnation
Cooling	: Natural
Ambient Temperature	: 40^{0}C
Humidity	: 95%
Altitude	: 1000m
Design	: 3 phase, Iron Cored, with air gap
Winding	: Copper, Aluminium
Terminals	: Terminal blocks, Cable lugs or Copper bars

THE BENEFITS OF LINE REACTORS

- Decrease the harmonic distortion
- Absorb the surges and the spikes
- Decrease voltage peaks
- Improve the true power factor
- Lengthens the operating life of the inverters

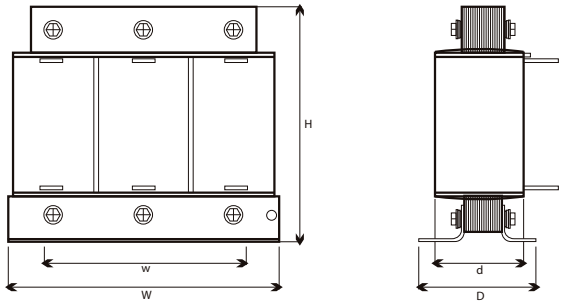
THE BENEFITS OF LOAD REACTORS

- Decrease the ratio of dv/dt
- Decrease peak voltage
- Increase the efficiency of the motor
- Decrease the noise of the motor
- Decrease over heating of the motor
- Lengthens the isolation life of the motor



LINE REACTORS DATA SHEET						
400V, 3 PHASE, 4% IMPEDANCE						
CODE	POWER	VOLTAGE	PHASE	CURRENT	INDUCTANCE	DIMENSIONS W x H x D
	kW	V		A	mH	mm
GKRTN3704	0,37	400	3	1,5	20	120 x 130 x 70
GKRTN5504	0,55	400	3	2	15	120 x 130 x 70
GKRTN7504	0,75	400	3	2,5	12	120 x 130 x 75
GKRT1N104	1,1	400	3	3	10	120 x 130 x 70
GKRT1N504	1,5	400	3	4	7,4	120 x 130 x 70
GKRT204	2,2	400	3	6	4,9	120 x 130 x 80
GKRT304	3	400	3	8	3,7	120 x 130 x 80
GKRT404	4	400	3	10	3,0	150 x 150 x 85
GKRT504	5,5	400	3	12	2,4	150 x 150 x 80
GKRT704	7,5	400	3	16	1,84	150 x 150 x 100
GKRT1104	11	400	3	25	1,20	150 x 180 x 100
GKRT1504	15	400	3	35	0,84	180 x 215 x 120
GKRT1804	18,5	400	3	40	0,73	180 x 225 x 125
GKRT2204	22	400	3	50	0,59	180 x 160 x 130
GKRT3004	30	400	3	63	0,47	240 x 205 x 140
GKRT3704	37	400	3	80	0,37	240 x 210 x 150
GKRT4504	45	400	3	100	0,29	240 x 210 x 160
GKRT5504	55	400	3	110	0,27	260 x 210 x 170
GKRT7504	75	400	3	160	0,18	300 x 260 x 170
GKRT9004	90	400	3	200	0,15	300 x 260 x 185
GKRT11004	110	400	3	220	0,13	300 x 260 x 200
GKRT13204	132	400	3	260	0,11	300 x 260 x 210
GKRT16004	160	400	3	320	0,092	360 x 305 x 210
230V, 1PHASE, 4% IMPEDANCE						
GKRON3704	0,37	230	1	4	8	84 x 100 x 75
GKRMN5504	0,55	230	1	6	5	84 x 100 x 80
GKRMN7504	0,75	230	1	8	4	84 x 100 x 80
GKRM1N104	1,1	230	1	10	3	96 x 120 x 95
GKRM1N504	1,5	230	1	12	2,5	96 x 110 x 95
GKRM2N204	2,2	230	1	20	1,5	95 x 110 x 90
GKRM304	3	230	1	25	1,2	96 x 105 x 120
GKRM404	4	230	1	30	1	96 x 100 x 120

Reactors up to 3000A are available



LOAD REACTORS DATA SHEET						
400V, 50Hz, 3 PHASE						
CODE	VOLTAGE	PHASE	MOTOR POWER	CURRENT	INDUCTANCE	DIMENSIONS W x H x D
	V		kW	A	mH	mm
MKRT1N1	400	3	1,1	3	4	120 x 130 x 75
MKRT1N5	400	3	1,5	4	3	120 x 135 x 75
MKRT2	400	3	2,2	6	2,4	120 x 130 x 80
MKRT3	400	3	3	8	1,5	120 x 130 x 80
MKRT4	400	3	4	10	1,4	150 x 150 x 90
MKRT5	400	3	5,5	12	1,2	150 x 155 x 85
MKRT7	400	3	7,5	16	0,9	150 x 180 x 90
MKRT11	400	3	11	25	0,55	150 x 180 x 95
MKRT15	400	3	15	35	0,40	180 x 160 x 105
MKRT18	400	3	18,5	40	0,35	180 x 155 x 120
MKRT22	400	3	22	45	0,30	180 x 160 x 130
MKRT30	400	3	30	63	0,24	240 x 210 x 145
MKRT37	400	3	37	80	0,18	240 x 210 x 155
MKRT45	400	3	45	100	0,15	240 x 210 x 160
MKRT55	400	3	55	110	0,12	240 x 210 x 160
MKRT75	400	3	75	160	0,09	300 x 260 x 180
MKRT90	400	3	90	200	0,07	300 x 260 x 190
MKRT110	400	3	110	220	0,06	300 x 260 x 200
MKRT132	400	3	132	260	0,05	300 x 255 x 200
MKRT160	400	3	160	320	0,04	360 x 310 x 200
230V, 50Hz, 3PHASE						
MKRMN75	230	3	0,75	4	2	120 x 130 x 70
MKRM1N1	230	3	1,1	6	1,7	120 x 130 x 70
MKRM1N5	230	3	1,5	8	1,2	120 x 130 x 80
MKRM2	230	3	2,2	10	1,0	120 x 130 x 80

Reactors up to 3000A are available