

# Line Reactors

ENT.SGR Series



Entes ENT.SGR Series line reactors are used between the network and motor drives. Connecting these reactors serially between the network and motor drives provides many benefits to the system.

### Advantages;

- Limits the peaks that occur in the current
- Prevents drive vibrations
- Limits harmonic currents
- Protects the motor drive from high voltages
- Prolongs the system's operating life



### Features

- Iron core with high magnetic permeability
- Voltage drop  $U_k=4\%$ .  $U_k=2\%$  type reactors can be manufactured on demand
- Impregnated with varnish under vacuum to ensure silent, efficient and moisture-free operation
- CE marked and complies with EN 61558-2-20 standard

### Motor Current Selection Table

400V 50Hz 4%		cos φ					
Motor Power (kW)	0,6	0,65	0,7	0,75	0,8	0,85	
1	3,2 A	2,5 A	2,5 A	2,0 A	2,0 A	2,0 A	
1,25	3,2 A	3,2 A	3,2 A	2,5 A	2,5 A	2,5 A	
1,6	4,0 A	4,0 A	4,0 A	3,2 A	3,2 A	3,2 A	
2	5,0 A	5,0 A	5,0 A	4,0 A	4,0 A	4,0 A	
2,5	6,3 A	6,3 A	6,3 A	5,0 A	5,0 A	5,0 A	
3,2	8,0 A	8,0 A	8,0 A	6,3 A	6,3 A	6,3 A	
4	10,0 A	10,0 A	10,0 A	8,0 A	8,0 A	8,0 A	
5	12,5 A	12,5 A	12,5 A	10,0 A	10,0 A	10,0 A	
6,3	16,0 A	16,0 A	16,0 A	12,5 A	12,5 A	12,5 A	
8	20,0 A	20,0 A	20,0 A	16,0 A	16,0 A	16,0 A	
10	25,0 A	25,0 A	25,0 A	20,0 A	20,0 A	20,0 A	
12,5	32,0 A	32,0 A	32,0 A	25,0 A	25,0 A	25,0 A	
16	40,0 A	40,0 A	40,0 A	32,0 A	32,0 A	32,0 A	
20	50,0 A	50,0 A	50,0 A	40,0 A	40,0 A	40,0 A	
25	63,0 A	63,0 A	63,0 A	50,0 A	50,0 A	50,0 A	
32	80,0 A	80,0 A	80,0 A	63,0 A	63,0 A	63,0 A	
40	100,0 A	100,0 A	100,0 A	80,0 A	80,0 A	80,0 A	
50	125,0 A	125,0 A	125,0 A	100,0 A	100,0 A	100,0 A	
63	160,0 A	160,0 A	160,0 A	125,0 A	125,0 A	125,0 A	

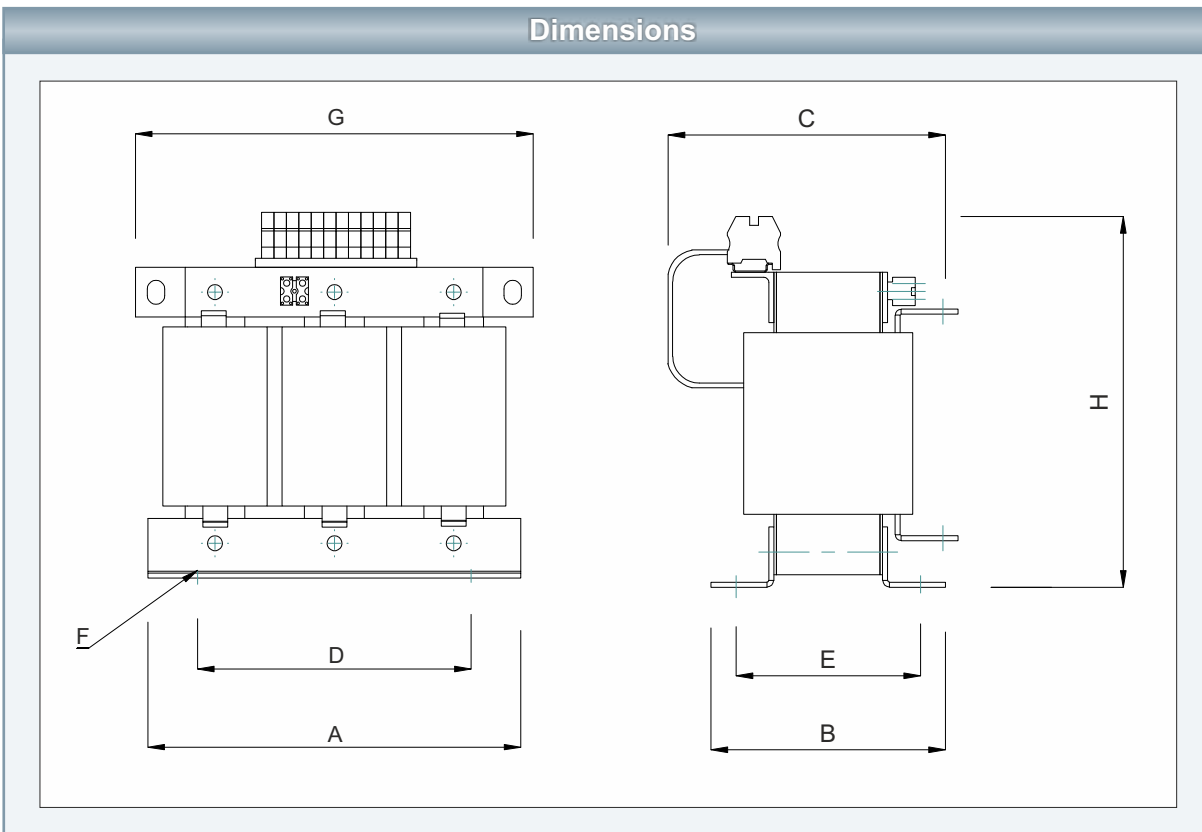


# Line Reactors

ENT.SGR Series

Product Code	Current (A)	Motor Power (KW) Cos = 0,75	Inductance (mH)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	Weight (kg)
ENT.SGR.4.400 - 5A	5	2,5	5,704	120	61	90	44	100	5x10	125	2
ENT.SGR.4.400 - 6,3A	6,3	3	4,753	120	61	90	44	100	5x10	125	2,25
ENT.SGR.4.400 - 8A	8	3,75	3,565	120	61	90	44	100	5x10	125	2,75
ENT.SGR.4.400 - 10A	10	5	2,852	120	71	110	54	100	5x10	125	3
ENT.SGR.4.400 - 12,5A	12,5	6	2,377	150	75	110	55	125	5x10	150	3,25
ENT.SGR.4.400 - 16A	16	7,5	1,901	150	75	110	55	125	5x10	150	4
ENT.SGR.4.400 - 20A	20	10	1,426	150	90	110	70	150	5x10	150	4,5
ENT.SGR.4.400 - 25A	25	12	1,188	150	90	110	70	150	5x10	150	5
ENT.SGR.4.400 - 32A	32	15	0,951	180	94	135	74	150	6x12	181	6
ENT.SGR.4.400 - 40A	40	18	0,792	240	105	185	80	150	6x12	210	10
ENT.SGR.4.400 - 50A	50	25	0,570	240	105	185	80	200	6x12	252	13
ENT.SGR.4.400 - 63A	63	30	0,475	240	125	185	100	200	10x15	252	16
ENT.SGR.4.400 - 80A	80	37,5	0,380	240	125	185	100	205	10x15	262	20
ENT.SGR.4.400 - 100A	100	50	0,285	240	140	185	115	205	10x15	262	22
ENT.SGR.4.400 - 110A	110	55	0,259	240	126	186	106	205	10x15	262	23
ENT.SGR.4.400 - 125A	125	60	0,238	300	132	224	97	235	10x15	300	24
ENT.SGR.4.400 - 160A	160	75	0,190	300	157	224	122	255	10x15	325	28

## Dimensions



Power Factor Correction

