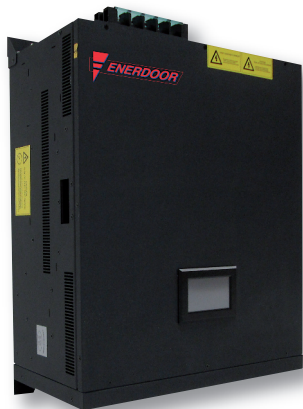




Static var generator to compensate inductive and reactive power

Datasheet 2016

APPROVALS:



FINSVG.035-150

FEATURES

- No capacitor bank
- Controls PF compensation
- Unaffected by harmonic resonance
- High speed response

BENEFITS

- Compensates from 30 KVAR
- Compensates inductive and capacitive reactive power
- Modular design
- Remote control RS485 standard (Modbus-Profibus optional)

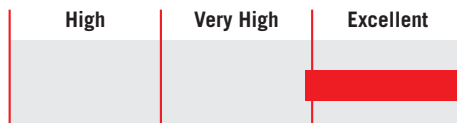
MARKETS

- Soft start motor
- DC motor
- Oil and water plant
- Process automation
- End-user plant

ORDERING CODE

FIN SVG	.090.	5	3F	R
Model	Current	4 = 400V	3F = 3phase	R = Rack
	(A)	5 = 480V	4F = 3phase with neutral	W = Wall
		6 = 600V		
		7 = 690V		

ATTENUATION INDICATOR



TECHNICAL SPECIFICATIONS

Nominal voltage	400 / 690 Vac
Frequency	50 – 60 Hz -5 / +3%
Rated compensation current	25 to 90A
Overall efficiency	>97%
Power grid structure	3-phase, 3-phase plus neutral
Current transformer	150:5 ~ 10,000:5
Harmonic filtering range	2 nd to 50th orders
Reaction time	<50 us
Overall response time	<5 ms
Switching frequency	20 KHz
Communication ports	RS485
Communication protocols	Modbus, TCP/IP
Module display interface	4.3 inch LCD touch screen
Altitude	1500m Over power decreases by 1% every 100m
Operating temperature	-10°C / + 40°C
Protection class	IP 20
Noise level	<56 dB
Color	Ral 7035, Black

ELECTRICAL CHARACTERISTICS

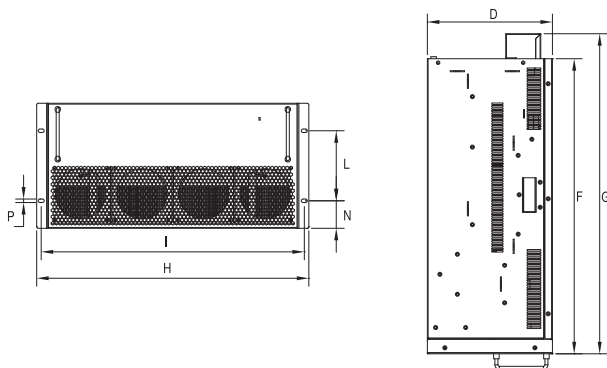
FINSVG	Rated Current (A)	Rated Voltage (Vac)	Power Grid Structure	Cooling Mode	Response Time
.035.400	35	400 (-40%+15%)	3P3W ; 3P4W	Air 75L/sec	<5ms
.035.480	35	480 (-20%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.035.600	35	600 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.050.400	50	400 (-40%+15%)	3P3W ; 3P4W	Air 151L/sec	<5ms
.050.480	50	480 (-20%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.050.600	50	600 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.075.480	75	480 (-20%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.075.600	75	600 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.090.480	90	480 (-20%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.090.600	90	600 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.090.690	90	690 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.100.400	100	400 (-40%+15%)	3P3W ; 3P4W	Air 300L/sec	<5ms
.150.400	150	400 (-40%+15%)	3P3W ; 3P4W	Air 405L/sec	<5ms

*Available 690 Vac version

MECHANICAL DIMENSIONS mm

FINSVG	A	B	C	D	E	F	G	H	I	L	N	P	Weight Kg.
.035.400	470	450	360	150	10	440	490	440	410	110	55	7	18
.035.480	665	638	400	253	10	590	640	544	526	140	55	7	35
.035.600	665	638	400	253	10	590	640	544	526	140	55	7	48
.050.400	610	560	360	190	10	585	590	440	400	89	40	7	35
.050.480	665	638	400	253	10	590	640	544	526	140	55	7	48
.050.600	665	638	400	253	10	590	640	544	526	140	55	7	35
.075.480	665	638	400	253	10	590	640	544	526	140	55	7	66
.075.600	665	638	400	253	10	590	640	544	526	140	55	7	66
.090.480	665	638	400	253	10	590	640	544	526	140	55	7	66
.090.600	665	638	400	253	10	590	640	544	526	140	55	7	66
.090.690	665	638	400	253	10	590	640	544	526	140	55	7	66
.100.400	625	585	360	235	10	540	600	440	410	89	55	7	36
.150.400	557	507	360	270	10	480	560	500	460	110	55	7	48

RACK MOUNTED



WALL MOUNTED

