

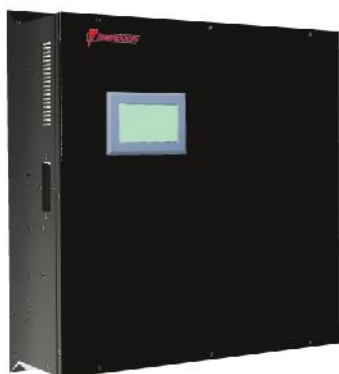


## Active Harmonic Filter

APPROVALS:



FINHRMA.030 – 150



### BENEFITS

- ⇒ Advantage digital control
- ⇒ Unaffected by network
- ⇒ Touch screen LCD HMI
- ⇒ High speed response

### FEATURES

- ⇒ Complete protection for : overvoltage, under voltage, over current and over heating
- ⇒ Rack unit or wall mounting installation option
- ⇒ Modular system
- ⇒ Remote control RS485 standard (Modbus-Profibus optional)

### MARKET

- ⇒ Variable frequency drive
- ⇒ Commercial building
- ⇒ Oil and water plant
- ⇒ Process automation
- ⇒ End-user plant

### ORDERING CODE

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

### INDICATOR TYPICAL ATTENUATION

High      Very High      Excellent



### TECHNICAL SPECIFICATIONS

Nominal voltage	380 / 690 Vac
Frequency	50 – 60 Hz -5%/+3%
Rated compensate current	25 to 90 @40 °C
Overall efficiency	>97%
Power grid structure	3-phase, 3-phase plus neutral
Current transformer	150:5 ~ 10,000:5
Harmonic filtering range	2 <sup>nd</sup> to 50 <sup>th</sup> orders
Reaction time	<50 us
Overall response time	<5 ms
Switching frequency	20KHz
Communications ports	RS485
Communications protocols	Modbus, TCP/IP
Module display interface	4.3 inch LCD touch screen
Altitude	1500mt. Over power dereases by 1% every 100m
Operating temperature	-10°C / + 40°C
Protection class	IP 20
Noise level	<56dB
Color	Ral 7035, Black

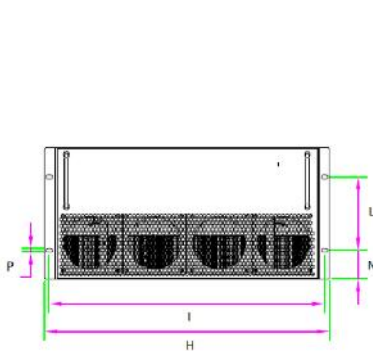
## ELECTRICAL CHARACTERISTICS

FINHRMA	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
.075.400	75	400 (-40%+15%)	3P3W ; 3P4W	Air 151L/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
100.400	100	400 (-40%+15%)	3P3W ; 3P4W	Air 300L/sec	<5ms
150.400	150	400 (-40%+15%)	3P3W ; 3P4W	Air 405L/sec	<5ms

## MECHANICAL DIMENSIONS

FINHRMA	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
.075.400	584	550	360	190	10	540	590	440	410	110	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
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

