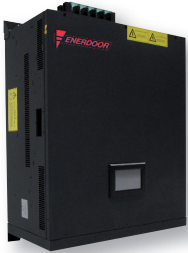




Active harmonic filter with excellent attenuation of current harmonic distortion

Datasheet 3/2017

APPROVALS:

FINHRMA.(050 - 150)
FEATURES

- Advanced digital control
- Rack unit or wall mounting installation
- Modular design
- Remote control RS485 standard (Modbus-Profibus optional)

BENEFITS

- Complete protection for overvoltage, under voltage, over current and over heating
- Unaffected by network conditions
- Touch screen LCD HMI
- Reduces THD to 5%

MARKETS

- Variable frequency drives
- Commercial buildings
- Oil and water plants
- Process automation
- End-user facilities

ORDERING CODE

FINHRMA	.090.	5	3F	R	D
Model	Current (A)	4 = 400V	3F = 3phase	R = Rack	D = with HMI
		5 = 480V	4F = 3phase with neutral	W = Wall	C = without HMI
		6 = 600V			
		7 = 690V			

ATTENUATION INDICATOR

High	Very High	Excellent

TECHNICAL SPECIFICATIONS

Nominal voltage	400 / 690 Vac
Frequency	50 – 60 Hz -5 / +3%
Reactive power compensation	25 to 150
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
Optional external display interface	8.0 inch LCD touch screen (FINHMI8.0)
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

FINHRMA	Rated Current (A)	Rated Voltage (Vac)	Power Grid Structure	Cooling Mode	Response Time
.025.4.X.Y.Z	25	400 (-40%+15%)	3P3W ; 3P4W	Air 75L/sec	<5ms
.050.4.X.Y.Z	50	400 (-40%+15%)	3P3W ; 3P4W	Air 75L/sec	<5ms
.050.5.X.Y.Z	50	480 (-20%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.050.6.X.Y.Z	50	600 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.075.4.X.Y.Z	75	400 (-40%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.075.5.X.Y.Z	75	480 (-20%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.075.6.X.Y.Z	75	600 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.090.5.X.Y.Z	90	480 (-20%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.090.6.X.Y.Z	90	600 (-30%+15%)	3P3W ; 3P4W	Air 359L/sec	<5ms
.100.4.X.Y.Z	100	400 (-40%+15%)	3P3W ; 3P4W	Air 300L/sec	<5ms
.150.4.X.Y.Z	150	400 (-40%+15%)	3P3W ; 3P4W	Air 405L/sec	<5ms

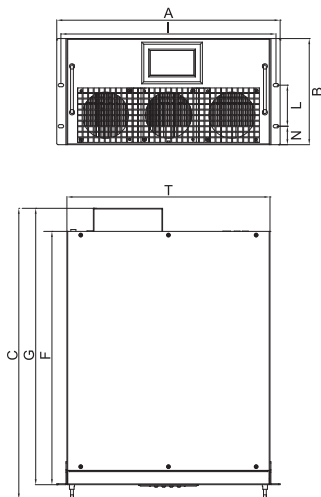
X = power grid structure Y = mounting type Z = HMI display

208Vac version available

MECHANICAL DIMENSIONS mm

FINHRMA	Rack mounted									Wall mounted							Weight Kg.
	A	B	C	F	G	I	L	N	T	H	J	E	P	Q	M	R	
.025.4.X.Y.Z	486	150	490.5	450.5	-	466	89	40	440	470	446	10	360	440	150	420	30
.050.4.X.Y.Z	484	190	621	540	590	466	89	40	440	585	561	10	360	440	195	535	35
.050.5.X.Y.Z	544	250	655	590	640	526	140	55	520	665	638	10	400	505	253	590	48
.050.6.X.Y.Z	544	250	655	590	640	526	140	55	520	665	638	10	400	505	253	590	48
.075.4.X.Y.Z	500	190	626	550	600	478	89	40	500	584	560	12	400	500	191	510	50
.075.5.X.Y.Z	544	250	655	590	640	526	140	55	520	665	638	10	400	505	253	590	35
.075.6.X.Y.Z	544	250	655	590	640	526	140	55	520	665	638	10	400	505	253	590	66
.090.5.X.Y.Z	544	250	655	590	640	526	140	55	520	665	638	10	400	505	253	590	67
.090.6.X.Y.Z	544	250	655	590	640	526	140	55	520	665	638	10	400	505	253	590	67
.100.4.X.Y.Z	484	230	630	550	600	466	89	40	440	625	576	10	360	440	235	550	36
.150.4.X.Y.Z	540	269	590	510	560	524	180	44.5	500	557	530	10	400	505	286	478	48

RACK MOUNTED



WALL MOUNTED

