

HP20

Automatic PFC system

U _e	U _N	U _{MAX}	f	THDI _R %	THDI _C %**
400-415V	460 V	500 V	50 Hz	≤20%	≤70%

Technical characteristics

Selectable output voltage	400-415V
Rated frequency	50 Hz
Max current overload I_n (bank)	1.3 I _n
Max current overload I_n (capacitors @40°C)	1,3 I _n (continuous) 2 I _n (x380s every 60 minutes) 3 I _n (x150s every 60 minutes) 4 I _n (x70s every 60 minutes) 5 I _n (x45s every 60 minutes)
Max overload V_n (bank)	1,1xU _e
Max overload V_n (capacitors)	3xU _n (for 1 minute)
Insulation voltage	690V
Temperature class (bank)	-5/+40°C
Temperature class (capacitors)	-25/+55°C
Discharge device	mounted on each bank
Installation	indoor
Service	continuous
Internal connection	delta
Total losses	~ 2W/kvar
Inner surface finish	zinc passivation
Standards (bank)	IEC 61439-1/2, IEC 61921
Standards (capacitors)	IEC 60831-1/2

Part number (U _e =400V)	Power U _e =460V	Power U _e =415V	Power U _e =400V	Steps	Contr.	Cabin type	Cabinet dimensions WxDxH	Price
	[kvar]	[kvar]	[kvar]	[Nr.]				
MICROmatic								
IC0JLF214050652	14	11	10.5	7	5LGA	49	460 x 260 x 480	988,00
IC0JLF222050652	22	18	16.5	11	5LGA	50	610 x 260 x 480	1.237,00
IC0JLF230050652	30	24	22.5	15	5LGA	50	610 x 260 x 480	1.185,00
IC0JLF238050652	38	31	28.5	19	5LGA	50	610 x 260 x 480	1.352,00
IC0JLF244050652	44	36	33	11	5LGA	50	610 x 260 x 480	1.227,00
IC0JLF252050652	52	42	39	13	5LGA	50	610 x 260 x 480	1.393,00
IC0JLF260050652	60	49	45	15	5LGA	50	610 x 260 x 480	1.393,00
IC0JLF272050652	72	58	54	9	5LGA	50	610 x 260 x 480	1.414,00

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	[kvar]	[kvar]	[kvar]	[Nr.]				
MINImatic								
IF0JLF280050652	80	65	60	10	5LGA	55	420 x 425 x 745	1.924,00
IF0JLF311250652	112	91	84	14	5LGA	56	420 x 425 x 965	2.381,00
IF0JLF313650652	136	110	102	17	5LGA	56	420 x 425 x 965	2.839,00
IF0JLF316050652	160	130	120	10	5LGA	56	420 x 425 x 965	2.880,00
IF0JLF319250652	192	155	144	12	5LGA	57	420 x 425 x 1183	3.411,00
IF0JLF321650652	216	168	156	13	5LGA	57	420 x 425 x 1183	3.640,00
IF0JLF324050652	240	194	180	15	5LGA	57	420 x 425 x 1183	3.796,00
IF0JLF327250652	272	220	204	8	5LGA	58	420 x 425 x 1403	4.336,00

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	[kvar]	[kvar]	[kvar]	[Nr.]				
MINImatic IP55								
IJ0JLF280050654	80	65	60	10	5LGA	60	600 x 440 x 1500	3.900,00
IJ0JLF311250654	112	91	84	14	5LGA	60	600 x 440 x 1500	4.368,00
IJ0JLF313650654	136	110	102	17	5LGA	60	600 x 440 x 1500	4.617,00
IJ0JLF316050654	160	130	120	10	5LGA	60	600 x 440 x 1500	4.836,00
IJ0JLF319250654	192	155	144	12	5LGA	60	600 x 440 x 1500	5.241,00
IJ0JLF321650654	216	168	156	13	5LGA	60	600 x 440 x 1500	5.512,00
IJ0JLF324050654	240	194	180	15	5LGA	60	600 x 440 x 1500	5.792,00
IJ0JLF327250654	272	220	204	8	5LGA	61	600 x 440 x 1700	6.208,00

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MIDImatic								
IL0ULF332050884	320	259	240	10	8LGA	64	600 x 690 x 1835	6.676,00
IL0ULF340050884	400	324	300	10	8LGA	64	600 x 690 x 1835	8.018,00
IL0ULF348050884	480	389	360	10	8LGA	64	600 x 690 x 1835	8.372,00

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MULTImatic								
INONLF332050700	320	259	240	10	8BGA	72	610 x 670 x 1760	7.623,00
INONLF340050700	400	324	300	10	8BGA	72	610 x 670 x 1760	9.578,00
INONLF348050700	480	389	360	10	8BGA	72	610 x 670 x 1760	10.067,00
INONLF356050700	560	454	420	10	8BGA	74	610 x 670 x 1960	11.820,00
INONLF364050700	640	518	480	10	8BGA	74	610 x 670 x 1960	12.290,00
INONLF372050700	720	583	540	10	8BGA	70	610 x 670 x 2160	13.940,00
INONLF380050700	800	648	600	10	8BGA	92	1220 x 670 x 1760	18.688,00
INONLF388050700	880	713	660	10	8BGA	92	1220 x 670 x 1760	19.947,00
INONLF396050700	960	778	720	10	8BGA	92	1220 x 670 x 1760	20.446,00
INONLF410450700	1040	842	780	10	8BGA	94	1220 x 670 x 1960	22.700,00
INONLF411250700	1120	907	840	10	8BGA	94	1220 x 670 x 1960	23.250,00
INONLF412050700	1200	972	900	10	8BGA	94	1220 x 670 x 1960	24.460,00
INONLF412850700	1280	1037	960	10	8BGA	94	1220 x 670 x 1960	24.940,00
INONLF413650700	1360	1102	1020	10	8BGA	90	1220 x 670 x 2160	26.920,00
INONLF414450700	1440	1166	1080	10	8BGA	90	1220 x 670 x 2160	27.420,00

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MULTImatic IP55								
IPONLF332050700	320	259	240	10	8BGA	75	610 x 777 x 1760	10.990,00
IPONLF340050700	400	324	300	10	8BGA	75	610 x 777 x 1760	12.520,00
IPONLF348050700	480	389	360	10	8BGA	75	610 x 777 x 1760	13.380,00
IPONLF356050700	560	454	420	10	8BGA	81	610 x 777 x 1960	15.185,00
IPONLF364050700	640	518	480	10	8BGA	81	610 x 777 x 1960	20.970,00
IPONLF372050700	720	583	540	10	8BGA	73	610 x 670 x 2160	23.330,00
IPONLF380050700	800	648	600	10	8BGA	83	1220 x 777 x 1760	25.810,00
IPONLF388050700	880	713	660	10	8BGA	83	1220 x 777 x 1760	26.330,00
IPONLF396050700	960	778	720	10	8BGA	83	1220 x 777 x 1760	26.730,00
IPONLF410450700	1040	842	780	10	8BGA	85	1220 x 777 x 1960	29.420,00
IPONLF411250700	1120	907	840	10	8BGA	85	1220 x 777 x 1960	30.720,00
IPONLF412050700	1200	972	900	10	8BGA	85	1220 x 777 x 1960	31.900,00
IPONLF412850700	1280	1037	960	10	8BGA	85	1220 x 777 x 1960	32.510,00
IPONLF413650700	1360	1102	1020	10	8BGA	93	1220 x 777 x 2160	35.080,00
IPONLF414450700	1440	1166	1080	10	8BGA	93	1220 x 777 x 2160	35.760,00