

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

The NEPEAN Power range of filter fans offer a superior solution for enclosure ventilation. Our functional design offers reduced installation depth to allow use within small spaces. With an extended service life, these fans prove to be durable and require minimal maintenance. Available in various voltages, our range is suitable for use across a multitude of industry requirements.

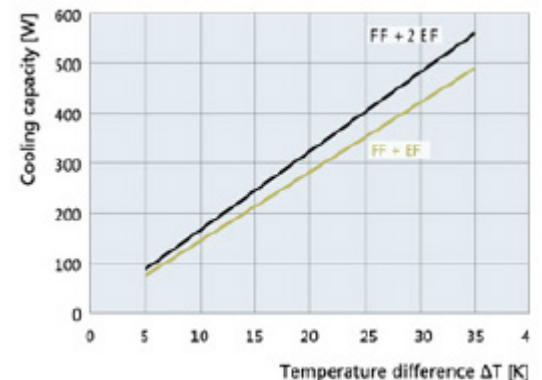
## FF145 Series

### Technical Specifications

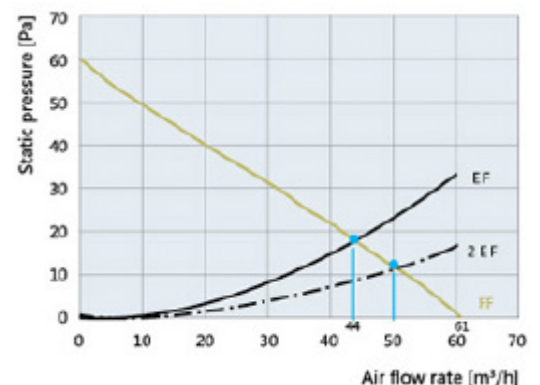
Part Number	FF145.012	FF145.024	FF145.048	FF145.115	FF145.230
Rated Voltage	12VDC	24VDC	48VDC	110VAC	240VAC
Unimpeded Air Flow (m <sup>3</sup> /h)			56/64		
Combined Air Volume (m <sup>3</sup> /h)			40/46		
Power	5W	5W	5W	18/15W	19/14W
Current	0.42A	0.21A	0.1A	0.24/0.20A	0.12/0.10A
Noise Level	44dB(A)				
Type of Connection	Terminal Row				
Protection Level	NEMA Type 12 - Standard Filter				
Filtration Efficiency	88%				
Filter Pad	G3				
Performance Level	100%				
Duty Cycle	100%				
Service Life (hrs)	62500	62500	62500	40000	37500
Temperature Range	-40 to 70°C				
Design	Injection-Moulded Thermoplastic, Self-Extinguishing UL 94 VO				
Colour	RAL 7035				
Dimensions (HxWxD)	145mm x 145mm x 70mm				
Material Thickness	5mm				
Cutout Size	125mm x 125mm				



### Cooling Capacity Performance Curves



### Characteristics of Static Pressure



### Ordering Information

Part Number	Description
FF145.012	IP55 Filter Fan, 12V DC RAL7035
FF145.024	IP55 Filter Fan, 24V DC RAL7035
FF145.048	IP55 Filter Fan, 48V DC RAL7035
FF145.115	IP55 Filter Fan, 110V AC RAL7035
FF145.230	IP55 Filter Fan, 240V AC RAL7035
EF145	IP55 Exit Filter RAL7035 to suit FF145 range of Filter Fans
EF145-SSC	IP56 Stainless Cover to suit FF145 range of Filter Fans
LC013-NO	Air Flow sensor (No grill)

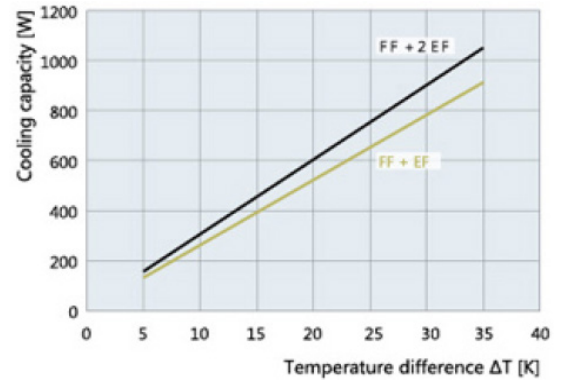
# Filter Fans

## FF202 Series

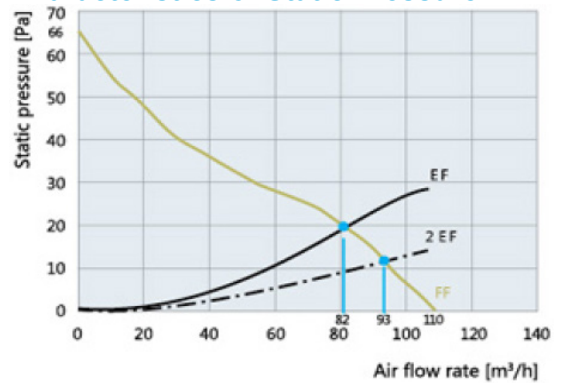
### Technical Specifications

Part Number	FF202.012	FF202.024	FF202.048	FF202.115	FF202.230
Rated Voltage	12VDC	24VDC	48VDC	110VAC	240VAC
Unimpeded Air Flow (m <sup>3</sup> /h)	100/110				
Combined Air Volume (m <sup>3</sup> /h)	55/64				
Power	5W	5W	5W	20/20W	19/18W
Current	0.42A	0.21A	0.1A	0.24/0.20A	0.12/0.10A
Noise Level	40dB(A)				
Type of Connection	Terminal Row				
Protection Level	NEMA Type 12 - Standard Filter				
Filtration Efficiency	88%				
Filter Pad	G3				
Performance Level					
Duty Cycle	100%				
Service Life (hrs)	62500	62500	62500	40000	37500
Temperature Range	-40 to 70°C				
Design	Injection-Moulded Thermoplastic, Self-Extinguishing UL 94 VO				
Colour	RAL 7035				
Dimensions (HxWxD)	202mm x 202mm x 87mm				
Material Thickness	6.5mm				
Cutout Size	177mm x 177mm				

### Cooling Capacity Performance Curves

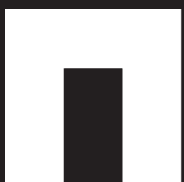


### Characteristics of Static Pressure



### Ordering Information

Part Number	Description
FF202.012	IP55 Filter Fan, 12V DC RAL7035
FF202.024	IP55 Filter Fan, 24V DC RAL7035
FF202.048	IP55 Filter Fan, 48V DC RAL7035
FF202.115	IP55 Filter Fan, 110V AC RAL7035
FF202.230	IP55 Filter Fan, 240V AC RAL7035
EF202	IP55 Exit Filter RAL7035 to suit FF202 range of Filter Fans
EF202-SSC	IP56 Stainless Cover to suit FF202 range of Filter Fans
LC013-NO	Air Flow sensor (No grill)



**NEPEAN**  
Power

www.nepeanpower.com

For more information please contact:

P: +61 2 4088 2790

E: [power@nepean.com](mailto:power@nepean.com)

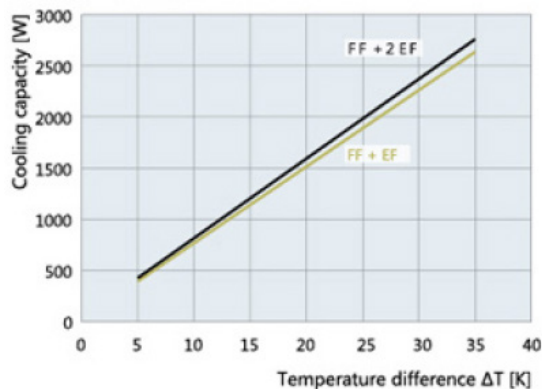
# Filter Fans

## FF252 Series

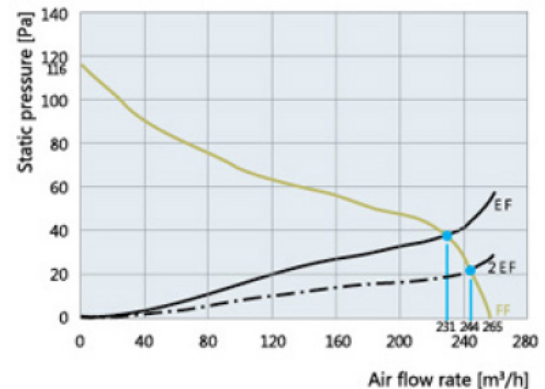
### Technical Specifications

Part Number	FF252.012	FF252.024	FF252.048	FF252.115-M	FF252.230-M	FF252.400-M
Rated Voltage	12VDC	24VDC	48VDC	110VAC	240VAC	415VAC
Unimpeded Air Flow (m <sup>3</sup> /h)	205/235			233/265		
Combined Air Volume (m <sup>3</sup> /h)	155/185			180/207		
Power	6W	4.7W	4.6W	40/40W	37/33W	42/37W
Current	0.5W	0.2W	0.1W	0.52/0.43A	0.25/0.20A	0.16/0.14A
Noise Level	40dB(A)			42/46dB(A)		
Type of Connection	Terminal Row					
Protection Level	NEMA Type 12 - Standard Filter					
Filtration Efficiency	88%					
Filter Pad Performance Level	G3					
Duty Cycle	100%					
Service Life	57500	70000	70000	40000	40000	40000
Temperature Range	-40 to 55°C			-40 to 70°C		
Design	Injection-Moulded Thermoplastic, Self-Extinguishing UL 94 VO					
Colour	RAL 7035					
Dimensions (HxWxD)	252mm x 252mm x 111mm			252mm x 252mm x 114mm		
Material Thickness	6.5mm			6.5mm		
Cutout Size	223mm x 223mm			223mm x 223mm		

### Cooling Capacity Performance Curves



### Characteristics of Static Pressure



### Ordering Information

Part Number	Description
FF252.012	IP55 Filter Fan, 12V DC RAL7035
FF252.024	IP55 Filter Fan, 24V DC RAL7035
FF252.048	IP55 Filter Fan, 48V DC RAL7035
FF252.115-M	IP55 Filter Fan, 110V AC RAL7035
FF252.230-M	IP55 Filter Fan, 240V AC RAL7035
FF252.400-M	IP55 Filter Fan, 415V AC RAL7035
EF252	IP55 Exit Filter RAL7035 to suit FF252 range of Filter Fans
EF252-SSC	IP56 Stainless Cover to suit FF252 range of Filter Fans
LC013-NO	Air Flow sensor (No grill)



**NEPEAN**  
Power

www.nepeanpower.com

For more information please contact:

P: +61 2 4088 2790

E: [power@nepean.com](mailto:power@nepean.com)

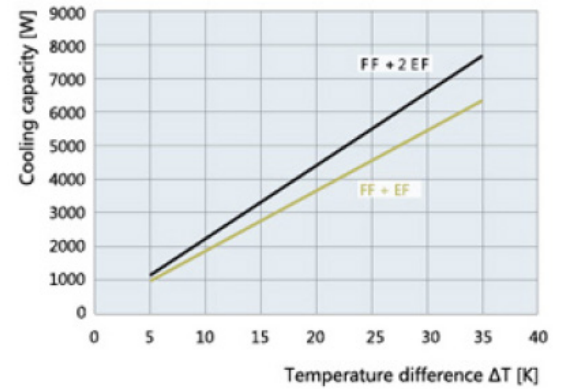
# Filter Fans

## LK324.230-D Series

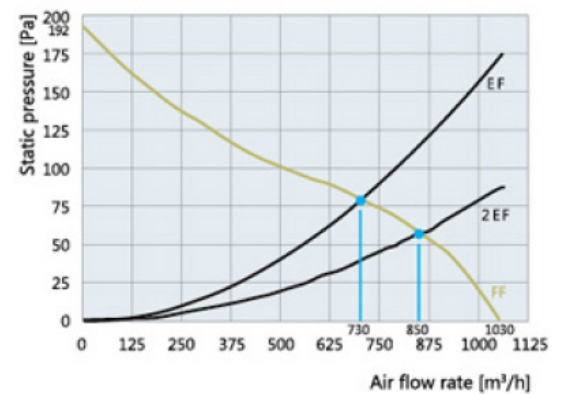
### Technical Specifications

Part Number	LK324.230-D
Rated Voltage	240VAC
Unimpeded Air Flow (m <sup>3</sup> /h)	1200/1350m/h
Combined Air Volume (m <sup>3</sup> /h)	1xLK324.300:800/940m/h 2xLK324.300:960/1050m/h
Power	160/115W
Current	0.70/0.70A
Noise Level	59/68dB(A)
Type of Connection	Terminal Row
Protection Level	NEMA Type 12 - Standard Filter
Filtration Efficiency	91%
Filter Pad Performance Level	G4
Duty Cycle	100%
Service Life	40000 hrs
Temperature Range	-10-+55°C
Design	Injection-Moulded Thermoplastic, Self-Extinguishing UL 94 VO
Colour	RAL 7035
Dimensions (HxWxD)	324mm x 324mm x 145mm
Material Thickness	7mm
Cutout Size	291mm x 291mm

### Cooling Capacity Performance Curves



### Characteristics of Static Pressure



### Ordering Information

Part Number	Description
FF320.115-D	IP55 Filter Fan, 110V AC RAL7035
FF320.230-D	IP55 Filter Fan, 240V AC RAL7035
FF7000.400	IP55 Filter Fan, 415V AC RAL7035
EF320	IP55 Exit Filter RAL7035 to suit FF320/FF7000 range of Filter Fans
EF320-SSC	IP56 Stainless Cover to suit FF320/FF7000 range of Filter Fans
LC013-NO	Air Flow sensor (No grill)



**NEPEAN**  
Power

www.nepeanpower.com

For more information please contact:

P: +61 2 4088 2790

E: [power@nepean.com](mailto:power@nepean.com)

# Filter Fans

## LK324.230-D Series

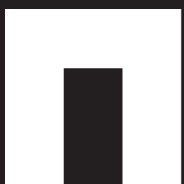


### Technical Specifications

Part Number	LK324.230-D
Rated Voltage	240VAC
Unimpeded Air Flow (m <sup>3</sup> /h)	1200/1350
Combined Air Volume (m <sup>3</sup> /h)	1 x LK324.300:800/940 2 x LK324.300:960/1050
Power	160/115W
Current	0.70/0.70A
Noise Level	59/68dB(A)
Dimensions (HxWxD)	324mm x 324mm x 145mm
Cutout Size	289mm x 289mm

### Ordering Information

Part Number	Description
LK324.230-D	IP55 filter fan, 240VAC RAL7035
LC013-NO	Air Flow sensor (No grill)



**NEPEAN**  
Power

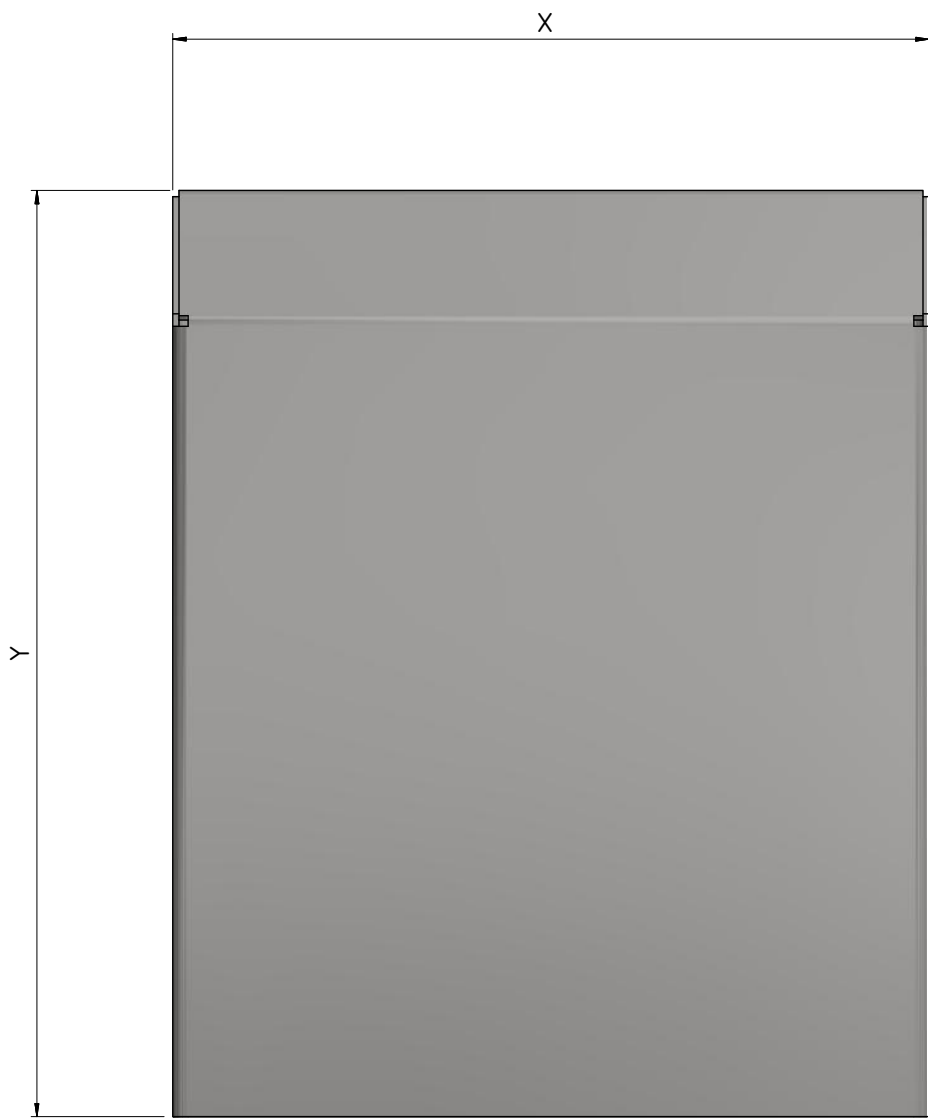
www.nepeanpower.com

For more information please contact:

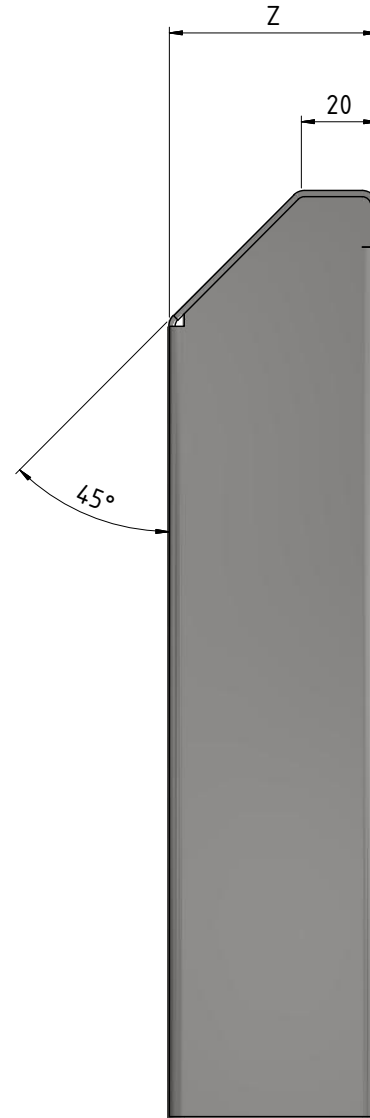
P: +61 2 4088 2790

E: [power@nepean.com](mailto:power@nepean.com)

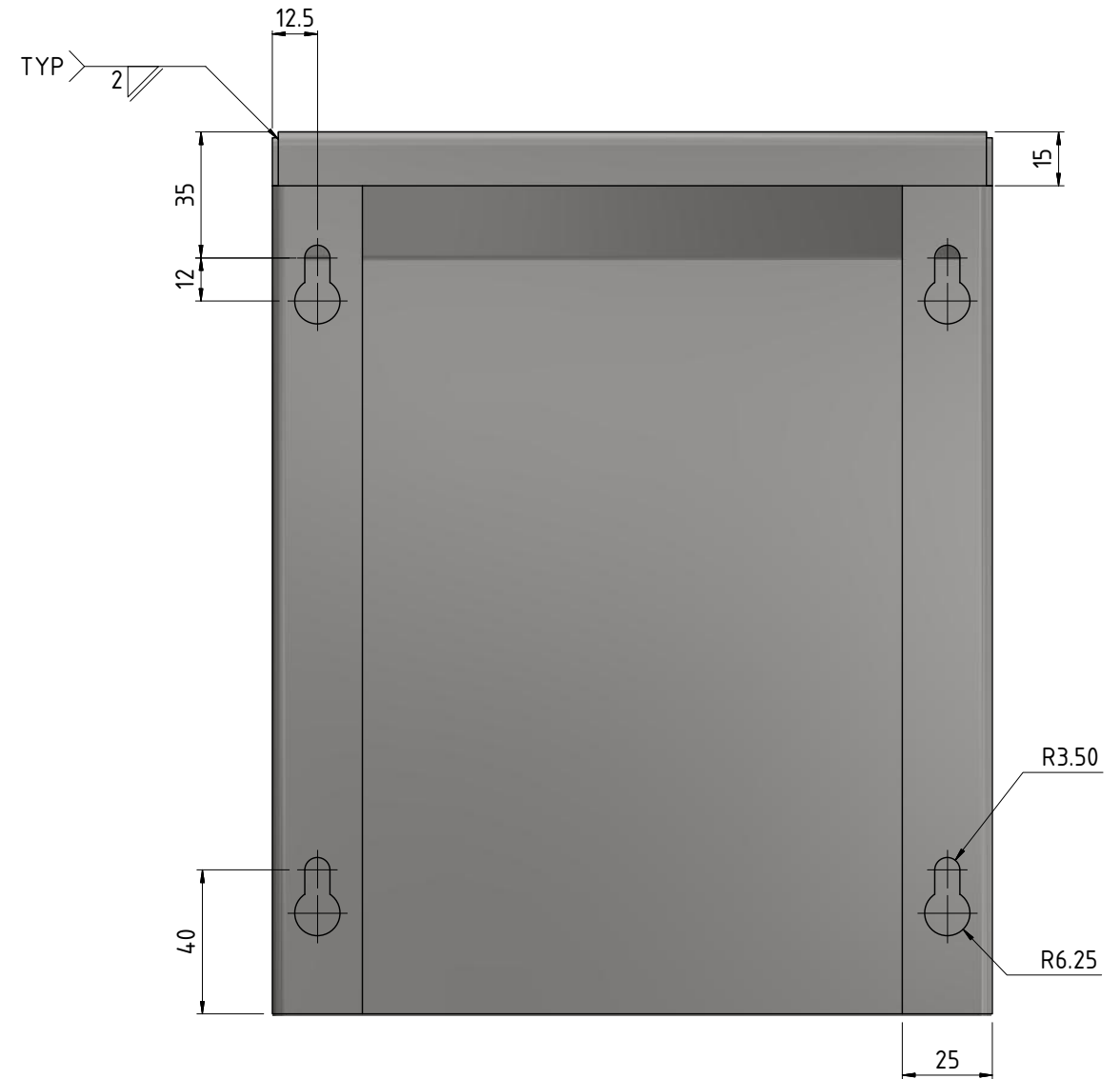
ITEM LIST						
ITEM	PART NUMBER	DESCRIPTION	MATERIAL	X	Y	Z
1	EF145-SSC	IP56 COVER	Stainless Steel	200	245	55
2	EF202-SSC	IP56 COVER	Stainless Steel	260	330	55
3	EF252-SSC	IP56 COVER	Stainless Steel	310	390	85
4	EF320-SSC	IP56 COVER	Stainless Steel	380	480	110



FRONT VIEW



END VIEW



REAR VIEW

**HOSE PROOF COVERS**  
MATERIAL: 1.6mm THK GD 304 S/STEEL

REV	DETAILS	DRN	CHK'D	APP'D	DATE

REV	DETAILS	DRN	CHK'D	APP'D	DATE

REV	DETAILS	DRN	CHK'D	APP'D	DATE
D	UPDATE DIMENSIONS IN COLUMN 'X'	P.S.	B.G.	B.G.	14/12/2018
C	TOP FOLD REDUCED TO 15mm	P.S.			31/08/2018
B	TOP FOLD NOW 25mm, SLOT REVISED	T.J.S.	B.G.	B.G.	5/07/2018
A	FIRST ISSUE	T.J.S.	B.G.	B.G.	19/06/2018

**NEPEAN Power**  
58 Bonville Ave Thornton, NSW 2322  
Ph: (02) 4028 5000 Fax: (02) 4028 5096

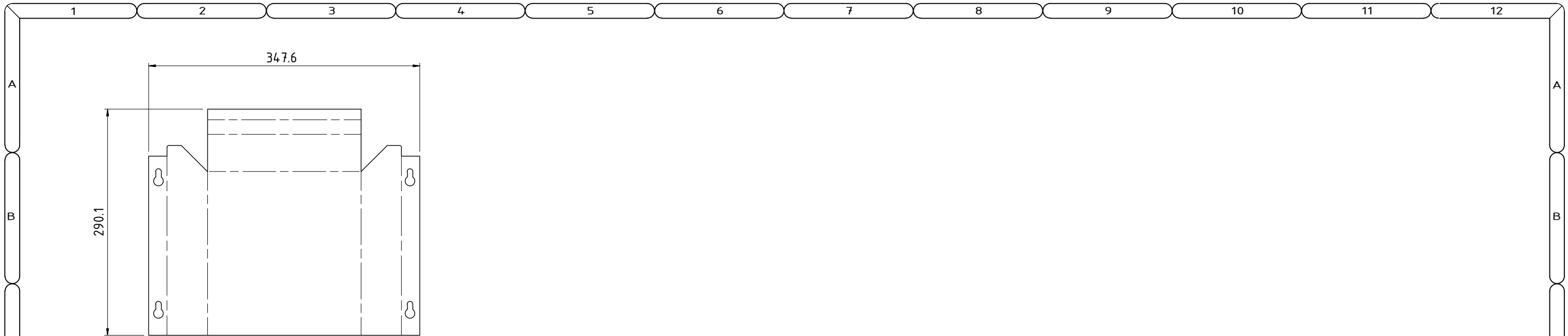
This Drawing and Design is the property of NEPEAN Power Pty Ltd and must not be copied, loaned or otherwise used without their express permission or licence in writing.

**NEPEAN POWER**  
**FAN - FILTER**  
**IP 56 STAINLESS STEEL COVER**  
**DETAILS**

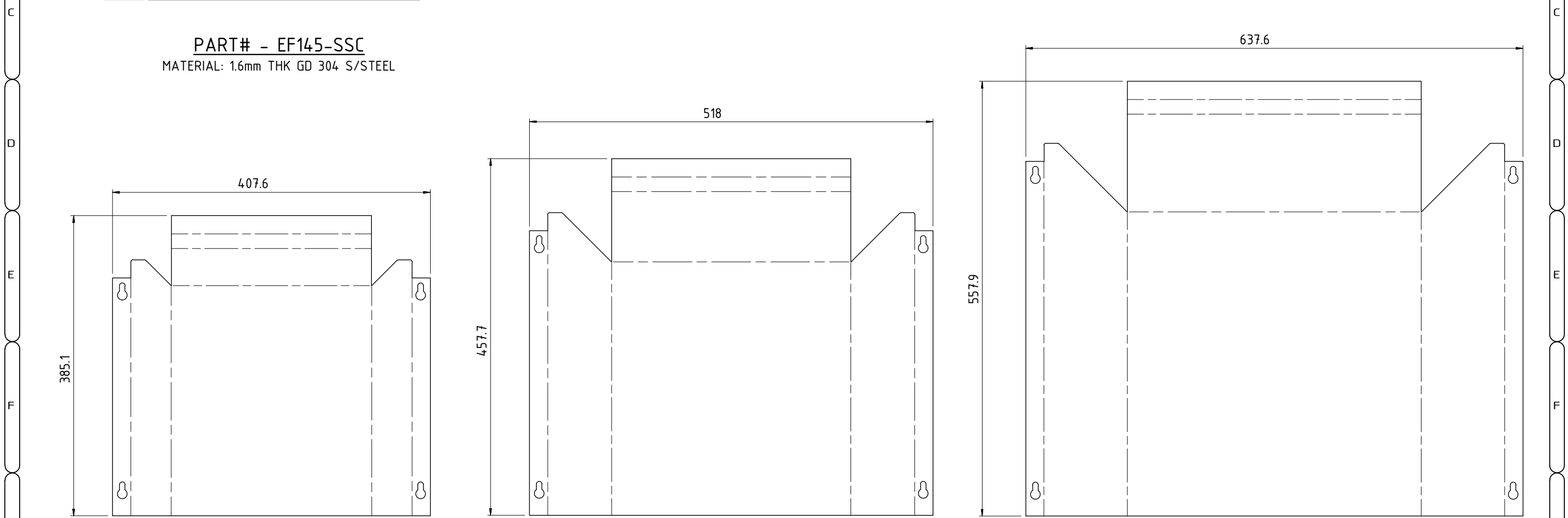
SHEET	DRAWING NUMBER	REVISION
A3	SMD-193-1	D
SCALE	DRAWN	ENG CHK
NTS	C.N	G.S
DATE	DWG CHK	APPROVED
5/03/2018	C.N	G.S

NOTES

1. ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.
2. DRAWING IS UNCONTROLLED IF THERE IS NOT A RED APPROVED STAMP.



**PART# - EF145-SSC**  
 MATERIAL: 1.6mm THK GD 304 S/STEEL



**PART# - EF202-SSC**  
 MATERIAL: 1.6mm THK GD 304 S/STEEL

**PART# - EF252-SSC**  
 MATERIAL: 1.6mm THK GD 304 S/STEEL

**PART# - EF320-SSC**  
 MATERIAL: 1.6mm THK GD 304 S/STEEL

NOTES  
 1. ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.  
 2. DRAWING IS UNCONTROLLED IF THERE IS NOT A RED APPROVED STAMP.

REV	DETAILS	DRN	CHK'D	APP'D	DATE

REV	DETAILS	DRN	CHK'D	APP'D	DATE
D	DIMENSIONS UPDATED	P.S.	B.G.	B.G.	14/12/2018
C	TOP FOLD REDUCED TO 15mm	P.S.			31/08/2018
B	TOP FOLD NOW 25mm, SLOT REVISED	T.J.S.	B.G.	B.G.	5/07/2018
A	FIRST ISSUE	T.J.S.	B.G.	B.G.	19/06/2018

**NEPEAN Power**  
 58 Bonville Ave Thornton, NSW 2322  
 Ph: (02) 4028 5000 Fax: (02) 4028 5096

This Drawing and Design is the property of NEPEAN Power Pty Ltd and must not be copied, loaned or otherwise used without their express permission or licence in writing.

**NEPEAN POWER**  
**FAN - FILTER**  
**IP56 STAINLESS STEEL COVER**  
**FLAT PATTERN**

SHEET	DRAWING NUMBER	REVISION
A3	SMD-193-2	D
SCALE	DRAWN	ENG CHK
NTS	C.N	G.S
DATE	DWG CHK	APPROVED
5/03/2018	C.N	G.S