# Technical Submission

| | | | |
|---|---|---|---|
| Project | Sunlight House, Manchester | Project Ref. | 1394 |
| Tech Sub Ref. | TS-M- 0011 | Issued By | Lee Holland |
| Date | 07/08/2024 | Authorised | David Wilson |

| Technical Submission | | WC Extract Fans |
|---|---|---|
| **SPECIFICATION COMPLIANCE** | ✓ | **In compliance with CSD Schedule reference 1298-CSD-ZZ-ZZ-SH-M-57004** |
| **DEROGATIONS** | ✓ | **Elta fans apposed to Vent Axia** |
| **CALCULATIONS PROVIDED** | | **N/A** |

This technical submission has been issued byG&H Building Services Ltd for the approval of WC extract fans

**Fans**
EF01, 02, 03 & 04 - Elta SJMF150
EF05 - Elta SJMF200

| | |
|---|---|
| Information Required From | Myco |
| Latest Date Required | 21/08/2024 |

| Acceptance/Refusal | | |
|---|---|---|
| | | |
| **STATUS A** | **STATUS B** | **STATUS C** |

| | |
|---|---|
| Response From | |
| Response Date | |

## EXTRACT FAN SCHEDULE

| | |
|---|---|
| **Project:** | Sunlight House - Manchester |
| **Project No:** | CSD1298 |
| **Revision:** | Rev 1 (G&H comments incorporated) |
| **Schedule No:** | 1298-CSD-ZZ-ZZ-SH-M-57004 |
| **Date:** | 30.07.2024 |

| REFERENCE | EF01 | EF02 | EF03 | EF04 | EF05 | | |
|---|---|---|---|---|---|---|---|
| QTY | 10 | 10 | 10 | 11 | 11 | | |
| SYSTEM | BOH MALE & DDA WC EXTRACT | BOH FEMALE WC EXTRACT | TEA POINT KITCHENETTE EXTRACT | FOH MALE WC EXTRACT | FOH FEMALE & DDA WC EXTRACT | | |
| LOCATION | BOH MALE WC | BOH MALE WC | VARIOUS | FOH MALE WC | FOH FEMALE WC | | |
| DIMENSIONS | TBA | TBA | TBA | TBA | TBA | | |
| FAN TYPE | DUCT MOUNTED (150dia) | DUCT MOUNTED (150dia) | DUCT MOUNTED (200dia) | DUCT MOUNTED (150dia) | DUCT MOUNTED (200dia) | | |
| INVERTER | NO | NO | NO | NO | NO | | |
| SPARE MOTORS | NO | NO | NO | NO | NO | | |
| EXTRACT VOLUME | **(52+10%) 57 l/s** | **(38+10%) 42 l/s** | **(60+10%) 66 l/s** | **(56+10%) 62 l/s** | **(89+10%) 98 l/s** | | |
| STATIC PRESSURE | **(50+20%) 60Pa** | **(50+20%) 60Pa** | **(50+20%) 60Pa** | **(50+20%) 60Pa** | **(50+20%) 60Pa** | | |
| PART L2 SFP | 0.5 w/l/s | 0.5 w/l/s | 0.5 w/l/s | 0.5 w/l/s | 0.5 w/l/s | | |
| FIRE RATED | NO | NO | NO | NO | NO | | |
| ATTENUATORS | YES (separately scheduled) | YES (separately scheduled) | YES (separately scheduled) | YES (separately scheduled) | YES (separately scheduled) | | |
| NOISE | 50dBA @ 1m | 50dBA @ 1m | 40dBA @ 1m | 50dBA @ 1m | 50dBA @ 1m | | |
| HEAT RECOVERY | NO | NO | NO | NO | NO | | |
| DAMPERS | n/a | n/a | n/a | n/a | n/a | | |
| CONTROLS | PIR with Run on Timer linked to lighting c/w BMS Fault | PIR with Run on Timer linked to lighting c/w BMS Fault | PIR with Run on Timer linked to lighting c/w BMS Fault | PIR with Run on Timer linked to lighting c/w BMS Fault | PIR with Run on Timer linked to lighting c/w BMS Fault | | |
| WEIGHT | TBC | TBC | TBC | TBC | TBC | | |

**Notes:**

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800  Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10  Copyright © 2010-23 Elta Group

**Quotation 50K-0724-590**

## Schedule - Fans

**Project:** Sunlight House - Manchester

**Date:** 23/07/2024  **Consulting Engineer:**

| Location | Designation | Catalogue No. | Description | Qty. | Vol. ($m^3/s$) | Press (Pa) | Speed (r/min) | Wgt (kg) | Motor Power | Motor Type | Electrical Supply | Inlet Sound Spectra(dBW) 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | SPL (dBA) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF01 | | SJMF150 (5 speed) | Jetflow SJMF EC | 1 | 0.06 | 60 | 2723 | 1.6 | 0.04kW | | 230V 1ph 50Hz | 50 | 43 | 50 | 53 | 50 | 53 | 49 | 48 | 37@ 3m |
| EF02 | | SJMF150 (5 speed) | Jetflow SJMF EC | 1 | 0.04 | 60 | 2433 | 1.6 | 0.04kW | | 230V 1ph 50Hz | 47 | 40 | 47 | 50 | 47 | 50 | 46 | 45 | 34@ 3m |
| EF03 | | SJMF150 (5 speed) | Jetflow SJMF EC | 1 | 0.07 | 60 | 2919 | 1.6 | 0.04kW | | 230V 1ph 50Hz | 51 | 44 | 51 | 54 | 51 | 54 | 50 | 49 | 38@ 3m |
| EF04 | | SJMF150 (5 speed) | Jetflow SJMF EC | 1 | 0.06 | 60 | 2826 | 1.6 | 0.04kW | | 230V 1ph 50Hz | 51 | 44 | 51 | 54 | 51 | 54 | 50 | 49 | 38@ 3m |
| EF05 | | SJMF200 (5 speed) | Jetflow SJMF EC | 1 | 0.10 | 60 | 1907 | 2.6 | 0.08kW | | 230V 1ph 50Hz | 40 | 41 | 50 | 49 | 52 | 53 | 49 | 46 | 37@ 3m |

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF150 (5 speed)

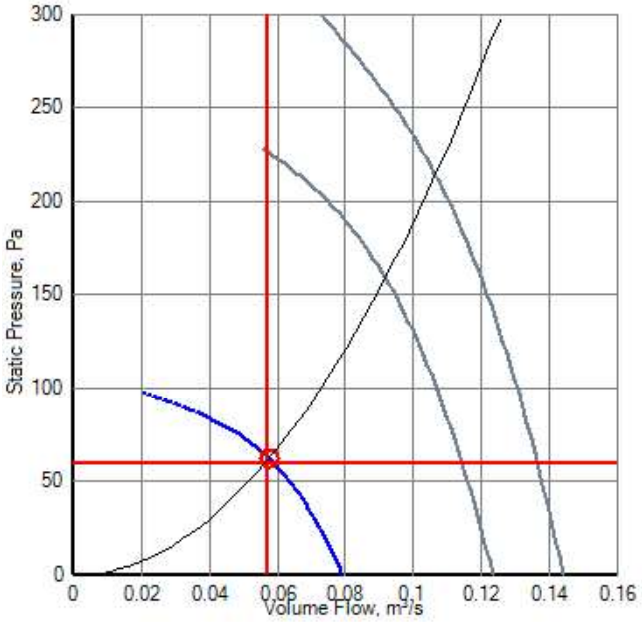
**Location:** EF01 **Designation:**

## Performance - Required

| | |
|---|---|
| Air Flow : | 0.06 m³/s |
| Static Pressure : | 60 Pa |
| Selection Pressure: | 60 Pa |
| Installation Type: | n/a |
| Air Density: | 1.204 kg/m³ |
| - Atmos. Temp: | 20 °C |
| - Altitude: | 0 m |
| - Humidity: | 0.0 % |

## Actual

| | |
|---|---|
| Air Flow: | 0.06 m³/s |
| Static Pressure: | 63 Pa |
| Total Pressure: | 69 Pa |

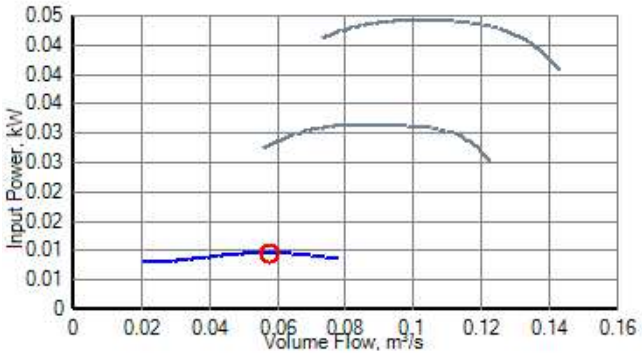



## Fan Data

| | | | |
|---|---|---|---|
| Catalogue Code: | SJMF150 (5 speed) | | |
| Description: | Jetflow SJMF EC | | |
| Diameter: | 150 mm | | |
| Impeller Type: | Mixed Flow | | |
| Blade Material: | - | | |
| Speed: | 2723 r/min @50 Hz | | |
| Power, Abs: | - | | |
| Input Power: | 0.01 kW | Peak: | - |
| Efficiency Total: | - | | |
| SFP: | 0.17 | Static: | - |
| Fan Weight: | 1.6 kg | | |

## Motor Data (at STP)

| | |
|---|---|
| Motor Type: | |
| Electrical Supply: | 230V 1ph 50Hz |
| Motor Frame: | |
| Motor Power: | 0.04kW |
| FLC/Start: | 0.33A / - |
| Motor Speed: | 2 pole |
| Motor Efficiency: | - |




## Sound Data

| Spectrum (Hz): | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | dBW | dB(A) @ 3m |
|---|---|---|---|---|---|---|---|---|---|---|
| Inlet (dB): | 50 | 43 | 50 | 53 | 50 | 53 | 49 | 48 | 59 | 37 |
| Outlet (dB): | 46 | 42 | 49 | 53 | 50 | 52 | 51 | 48 | 59 | 37 |

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.
Sound levels for fans running at non-standard speeds are estimated.

*As part of our continuous improvement processes, Elta reserves the right to make changes in design or specification to products without notice.*

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF150 (5 speed)

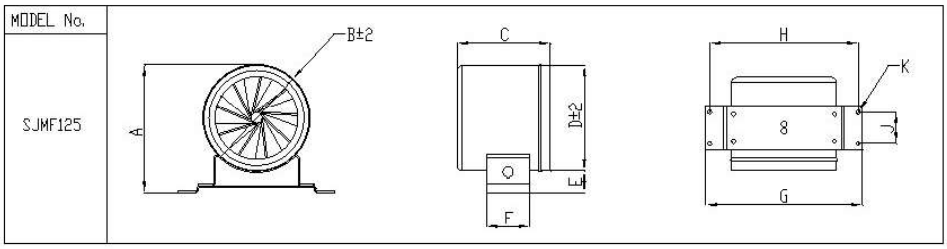
**Location:** EF01 **Designation:**

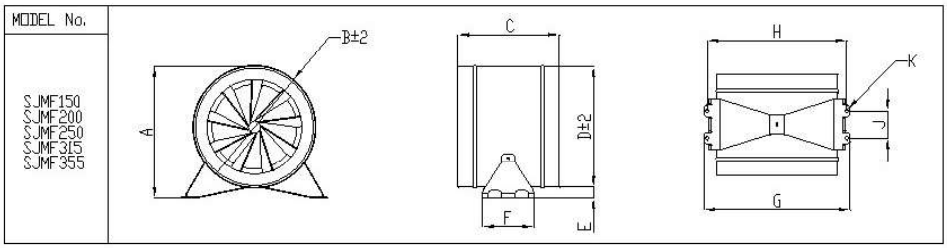
## Energy Related Product Data

| | | | |
|---|---|---|---|
| Typology: | NRVU, UVU | Drive Type: | Variable-Speed |
| HRS Type: | None | Thermal Efficiency: | n/a% |
| Nom. Flow Rate: | 0.09 m³/s | Effective Input Power: | 0.049 kW |
| SFP int: | 532 W/(m³/s) | Face Velocity: | 5.09 m/s |
| Nom. Ext. Pressure: | 258 Pa | Casing Sound Power: | 37 dB(A) |
| Internal Pressure: | n/a | Int. Pressure (non-vent): | n/a |
| Static Efficiency: | 57% | Max. External Leakage: | 2.5% |

Energy Performance of Filters: n/a
Visual Filter Warning Details: n/a
Disassembly Instructions: http://www.eltafans.com

# Drawing for Fan Model SJMF150




| MODEL | A | B | C | D | E | F | G | H | J | K |
|---|---|---|---|---|---|---|---|---|---|---|
| SJMF125 | 151 | 126 | 110 | 124 | 26 | 51 | 184 | 175 | 37 | 5 |
| SJMF150 | 173 | 153 | 165 | 150 | 21 | 80 | 187 | 175 | 37 | 5 x 8 SLOT |
| SJMF200 | 223 | 203 | 220 | 200 | 22 | 105 | 221 | 210 | 39 | 5 x 8 SLOT |
| SJMF250 | 274 | 254 | 210 | 250 | 22 | 105 | 300 | 288 | 26 | 5 x 8 SLOT |
| SJMF315 | 356 | 317 | 290 | 313 | 39 | 164 | 360 | 336 | 68 | 9 x 14 SLOT |
| SJMF355 | 401 | 358 | 330 | 353 | 45 | 184 | 405 | 380 | 77 | 9 x 14 SLOT |

PLEASE NOTE:

PHYSICAL REPRESENTATION OF THE UNIT MAY DIFFER DEPENDING ON THE SIZE/MODEL AND IS USED FOR REFERENCE PURPOSES ONLY

DIMENSIONS IN mm UNLESS OTHERWISE STATED, TOLERANCE ± 2.0

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF150 (5 speed)

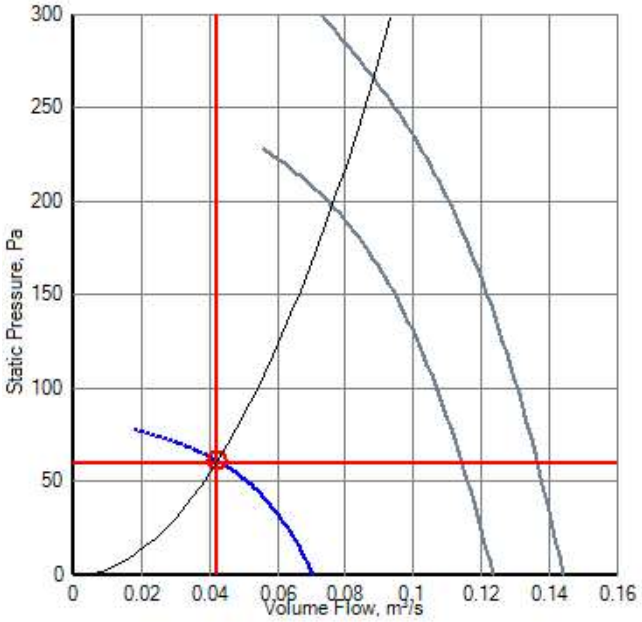
**Location:** EF02 **Designation:**

## Performance - Required

| | |
|---|---|
| Air Flow : | 0.04 m³/s |
| Static Pressure : | 60 Pa |
| Selection Pressure: | 60 Pa |
| Installation Type: | n/a |
| Air Density: | 1.204 kg/m³ |
| - Atmos. Temp: | 20 °C |
| - Altitude: | 0 m |
| - Humidity: | 0.0 % |

## Actual

| | |
|---|---|
| Air Flow: | 0.04 m³/s |
| Static Pressure: | 61 Pa |
| Total Pressure: | 65 Pa |

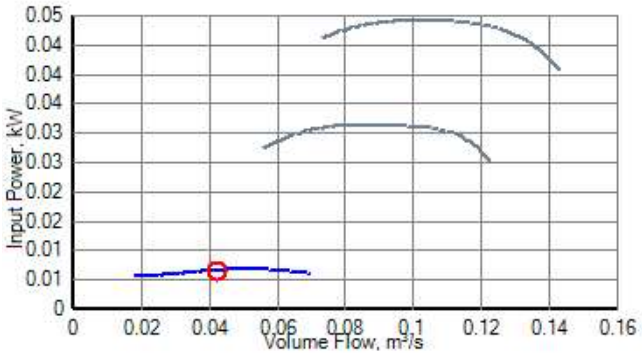



## Fan Data

| | | | |
|---|---|---|---|
| Catalogue Code: | SJMF150 (5 speed) | | |
| Description: | Jetflow SJMF EC | | |
| Diameter: | 150 mm | | |
| Impeller Type: | Mixed Flow | | |
| Blade Material: | - | | |
| Speed: | 2433 r/min @50 Hz | | |
| Power, Abs: | - | | |
| Input Power: | 0.01 kW | Peak: | - |
| Efficiency Total: | - | | |
| SFP: | 0.16 | Static: | - |
| Fan Weight: | 1.6 kg | | |

## Motor Data (at STP)

| | |
|---|---|
| Motor Type: | |
| Electrical Supply: | 230V 1ph 50Hz |
| Motor Frame: | |
| Motor Power: | 0.04kW |
| FLC/Start: | 0.33A / - |
| Motor Speed: | 2 pole |
| Motor Efficiency: | - |




## Sound Data

| Spectrum (Hz): | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | dBW | dB(A) @ 3m |
|---|---|---|---|---|---|---|---|---|---|---|
| Inlet (dB): | 47 | 40 | 47 | 50 | 47 | 50 | 46 | 45 | 56 | 34 |
| Outlet (dB): | 43 | 39 | 46 | 50 | 47 | 49 | 48 | 45 | 56 | 34 |

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.
Sound levels for fans running at non-standard speeds are estimated.

*As part of our continuous improvement processes, Elta reserves the right to make changes in design or specification to products without notice.*

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF150 (5 speed)

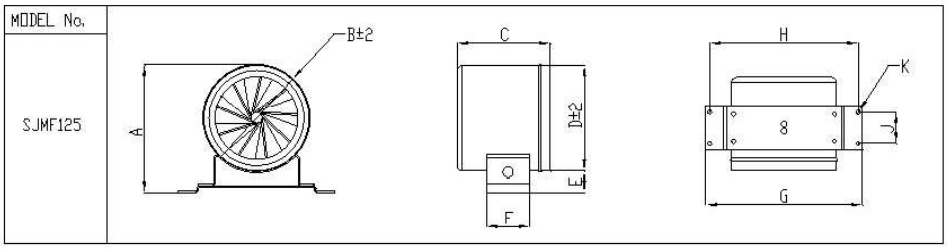
**Location:** EF02 **Designation:**

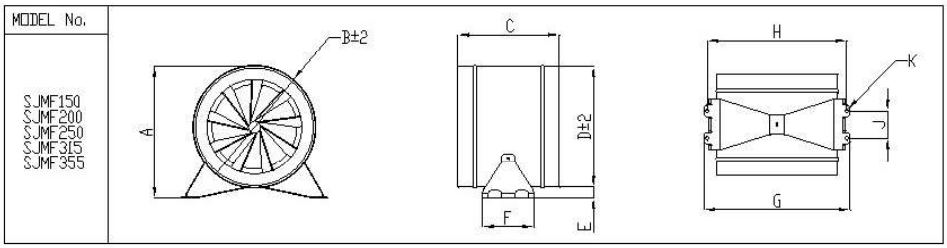
## Energy Related Product Data

| | | | |
|---|---|---|---|
| Typology: | NRVU, UVU | Drive Type: | Variable-Speed |
| HRS Type: | None | Thermal Efficiency: | n/a% |
| Nom. Flow Rate: | 0.09 m³/s | Effective Input Power: | 0.049 kW |
| SFP int: | 532 W/(m³/s) | Face Velocity: | 5.09 m/s |
| Nom. Ext. Pressure: | 258 Pa | Casing Sound Power: | 34 dB(A) |
| Internal Pressure: | n/a | Int. Pressure (non-vent): | n/a |
| Static Efficiency: | 57% | Max. External Leakage: | 2.5% |

Energy Performance of Filters: n/a
Visual Filter Warning Details: n/a
Disassembly Instructions: http://www.eltafans.com

# Drawing for Fan Model SJMF150




| MODEL | A | B | C | D | E | F | G | H | J | K |
|---|---|---|---|---|---|---|---|---|---|---|
| SJMF125 | 151 | 126 | 110 | 124 | 26 | 51 | 184 | 175 | 37 | 5 |
| SJMF150 | 173 | 153 | 165 | 150 | 21 | 80 | 187 | 175 | 37 | 5 x 8 SLOT |
| SJMF200 | 223 | 203 | 220 | 200 | 22 | 105 | 221 | 210 | 39 | 5 x 8 SLOT |
| SJMF250 | 274 | 254 | 210 | 250 | 22 | 105 | 300 | 288 | 26 | 5 x 8 SLOT |
| SJMF315 | 356 | 317 | 290 | 313 | 39 | 164 | 360 | 336 | 68 | 9 x 14 SLOT |
| SJMF355 | 401 | 358 | 330 | 353 | 45 | 184 | 405 | 380 | 77 | 9 x 14 SLOT |

PLEASE NOTE:

PHYSICAL REPRESENTATION OF THE UNIT MAY DIFFER DEPENDING ON THE SIZE/MODEL AND IS USED FOR REFERENCE PURPOSES ONLY

DIMENSIONS IN mm UNLESS OTHERWISE STATED, TOLERANCE ± 2.0

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF150 (5 speed)

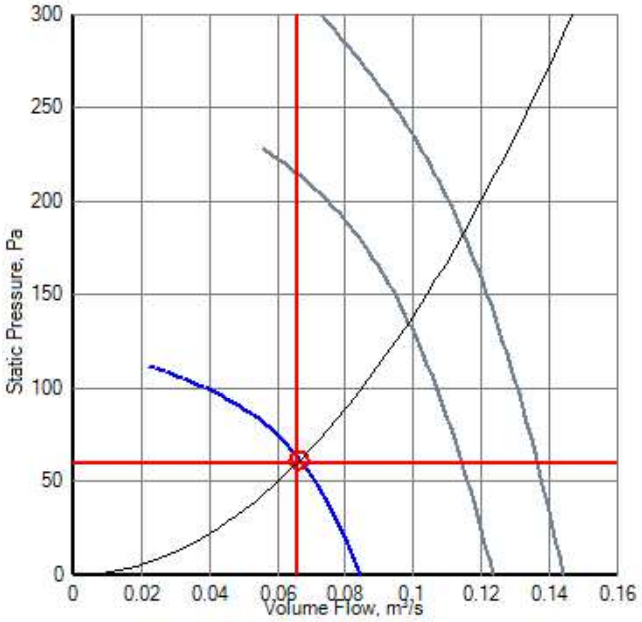
**Location:** EF03 **Designation:**

## Performance - Required

| | |
|---|---|
| Air Flow : | 0.07 m³/s |
| Static Pressure : | 60 Pa |
| Selection Pressure: | 60 Pa |
| Installation Type: | n/a |
| Air Density: | 1.204 kg/m³ |
| - Atmos. Temp: | 20 °C |
| - Altitude: | 0 m |
| - Humidity: | 0.0 % |

## Actual

| | |
|---|---|
| Air Flow: | 0.07 m³/s |
| Static Pressure: | 62 Pa |
| Total Pressure: | 70 Pa |

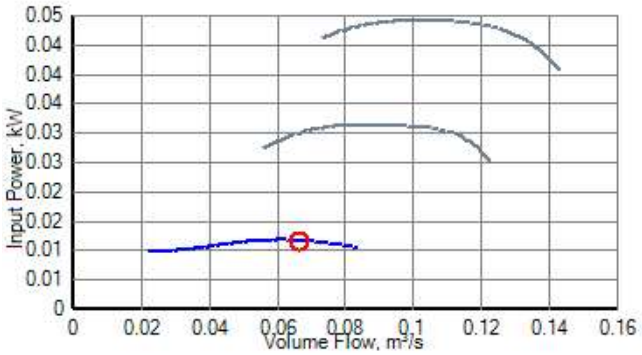



## Fan Data

| | | | |
|---|---|---|---|
| Catalogue Code: | SJMF150 (5 speed) | | |
| Description: | Jetflow SJMF EC | | |
| Diameter: | 150 mm | | |
| Impeller Type: | Mixed Flow | | |
| Blade Material: | - | | |
| Speed: | 2919 r/min @50 Hz | | |
| Power, Abs: | - | | |
| Input Power: | 0.01 kW | Peak: | - |
| Efficiency Total: | - | | |
| SFP: | 0.18 | Static: | - |
| Fan Weight: | 1.6 kg | | |

## Motor Data (at STP)

| | |
|---|---|
| Motor Type: | |
| Electrical Supply: | 230V 1ph 50Hz |
| Motor Frame: | |
| Motor Power: | 0.04kW |
| FLC/Start: | 0.33A / - |
| Motor Speed: | 2 pole |
| Motor Efficiency: | - |




## Sound Data

| Spectrum (Hz): | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | dBW | dB(A) @ 3m |
|---|---|---|---|---|---|---|---|---|---|---|
| Inlet (dB): | 51 | 44 | 51 | 54 | 51 | 54 | 50 | 49 | 60 | 38 |
| Outlet (dB): | 47 | 43 | 50 | 54 | 51 | 53 | 52 | 49 | 60 | 38 |

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.
Sound levels for fans running at non-standard speeds are estimated.

*As part of our continuous improvement processes, Elta reserves the right to make changes in design or specification to products without notice.*

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

## Technical Data - Fan Model SJMF150 (5 speed)

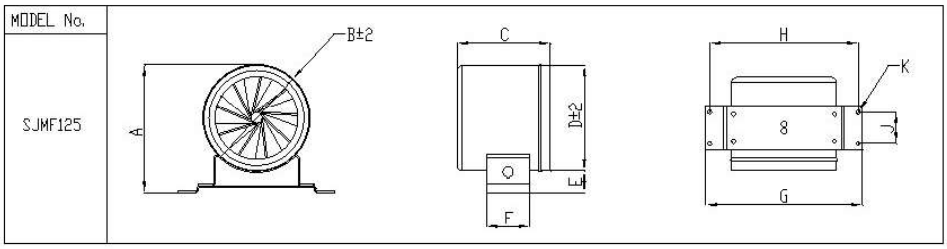
**Location:** EF03 **Designation:**

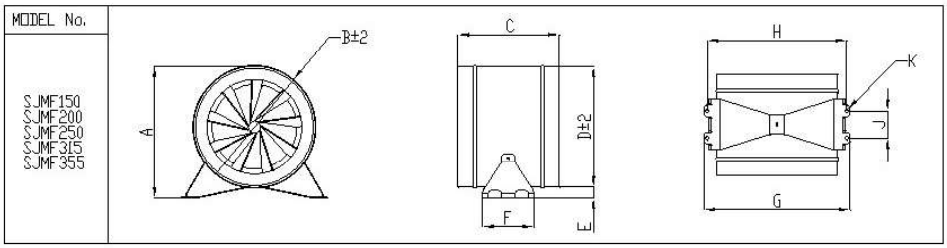
### Energy Related Product Data

| | | | |
|---|---|---|---|
| Typology: | NRVU, UVU | Drive Type: | Variable-Speed |
| HRS Type: | None | Thermal Efficiency: | n/a% |
| Nom. Flow Rate: | 0.09 m³/s | Effective Input Power: | 0.049 kW |
| SFP int: | 532 W/(m³/s) | Face Velocity: | 5.09 m/s |
| Nom. Ext. Pressure: | 258 Pa | Casing Sound Power: | 38 dB(A) |
| Internal Pressure: | n/a | Int. Pressure (non-vent): | n/a |
| Static Efficiency: | 57% | Max. External Leakage: | 2.5% |

Energy Performance of Filters: n/a
Visual Filter Warning Details: n/a
Disassembly Instructions: http://www.eltafans.com

## Drawing for Fan Model SJMF150




| MODEL | A | B | C | D | E | F | G | H | J | K |
|---|---|---|---|---|---|---|---|---|---|---|
| SJMF125 | 151 | 126 | 110 | 124 | 26 | 51 | 184 | 175 | 37 | 5 |
| SJMF150 | 173 | 153 | 165 | 150 | 21 | 80 | 187 | 175 | 37 | 5 x 8 SLOT |
| SJMF200 | 223 | 203 | 220 | 200 | 22 | 105 | 221 | 210 | 39 | 5 x 8 SLOT |
| SJMF250 | 274 | 254 | 210 | 250 | 22 | 105 | 300 | 288 | 26 | 5 x 8 SLOT |
| SJMF315 | 356 | 317 | 290 | 313 | 39 | 164 | 360 | 336 | 68 | 9 x 14 SLOT |
| SJMF355 | 401 | 358 | 330 | 353 | 45 | 184 | 405 | 380 | 77 | 9 x 14 SLOT |

PLEASE NOTE:

PHYSICAL REPRESENTATION OF THE UNIT MAY DIFFER DEPENDING ON THE SIZE/MODEL AND IS USED FOR REFERENCE PURPOSES ONLY

DIMENSIONS IN mm UNLESS OTHERWISE STATED, TOLERANCE ± 2.0

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF150 (5 speed)

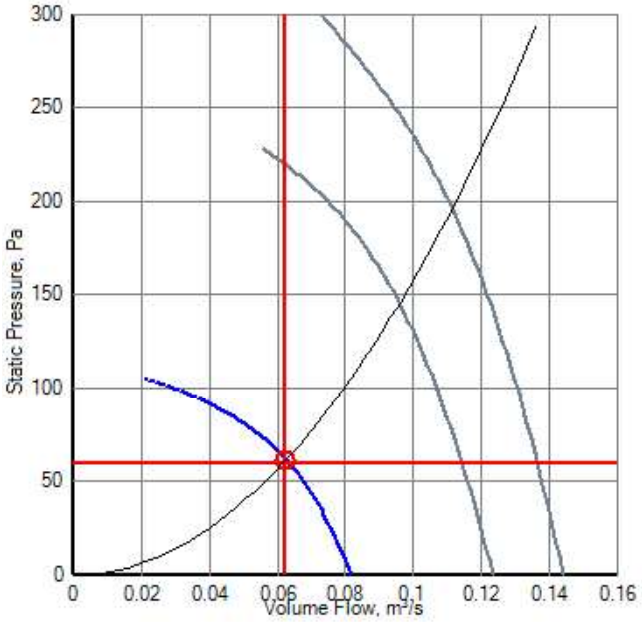
**Location:** EF04 **Designation:**

## Performance - Required

| | |
|---|---|
| Air Flow : | 0.06 m³/s |
| Static Pressure : | 60 Pa |
| Selection Pressure: | 60 Pa |
| Installation Type: | n/a |
| Air Density: | 1.204 kg/m³ |
| - Atmos. Temp: | 20 °C |
| - Altitude: | 0 m |
| - Humidity: | 0.0 % |

## Actual

| | |
|---|---|
| Air Flow: | 0.06 m³/s |
| Static Pressure: | 62 Pa |
| Total Pressure: | 69 Pa |

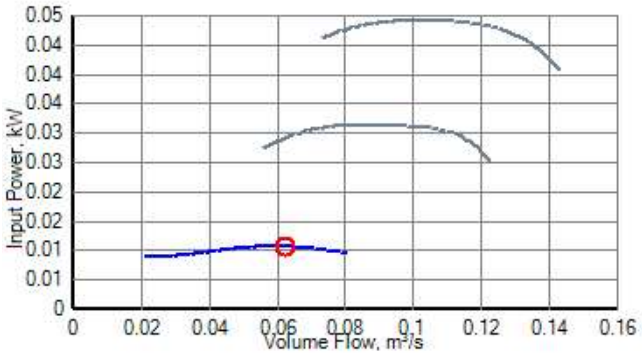



## Fan Data

| | | | |
|---|---|---|---|
| Catalogue Code: | SJMF150 (5 speed) | | |
| Description: | Jetflow SJMF EC | | |
| Diameter: | 150 mm | | |
| Impeller Type: | Mixed Flow | | |
| Blade Material: | - | | |
| Speed: | 2826 r/min @50 Hz | | |
| Power, Abs: | - | | |
| Input Power: | 0.01 kW | Peak: | - |
| Efficiency Total: | - | | |
| SFP: | 0.17 | Static: | - |
| Fan Weight: | 1.6 kg | | |

## Motor Data (at STP)

| | |
|---|---|
| Motor Type: | |
| Electrical Supply: | 230V 1ph 50Hz |
| Motor Frame: | |
| Motor Power: | 0.04kW |
| FLC/Start: | 0.33A / - |
| Motor Speed: | 2 pole |
| Motor Efficiency: | - |




## Sound Data

| Spectrum (Hz): | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | dBW | dB(A) @ 3m |
|---|---|---|---|---|---|---|---|---|---|---|
| Inlet (dB): | 51 | 44 | 51 | 54 | 51 | 54 | 50 | 49 | 60 | 38 |
| Outlet (dB): | 47 | 43 | 50 | 54 | 51 | 53 | 52 | 49 | 60 | 38 |

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.
Sound levels for fans running at non-standard speeds are estimated.

*As part of our continuous improvement processes, Elta reserves the right to make changes in design or specification to products without notice.*

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF150 (5 speed)

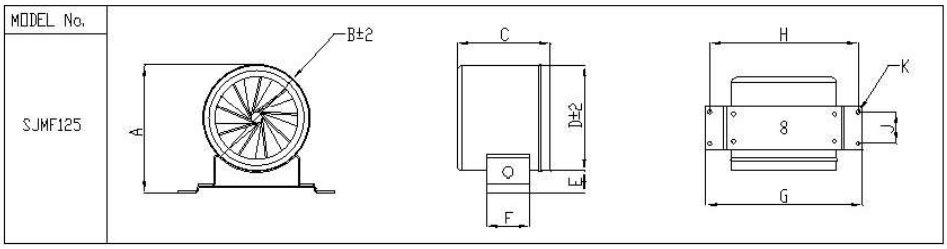
**Location:** EF04 **Designation:**

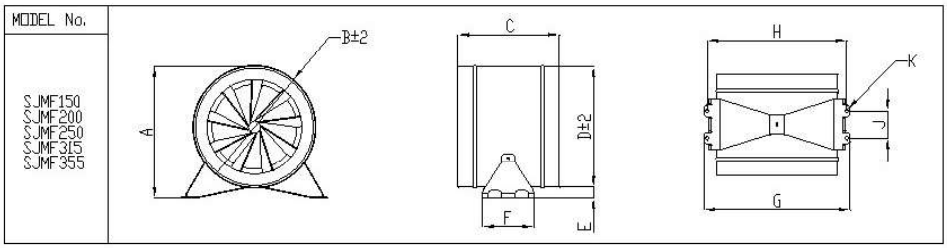
## Energy Related Product Data

| | | | |
|---|---|---|---|
| Typology: | NRVU, UVU | Drive Type: | Variable-Speed |
| HRS Type: | None | Thermal Efficiency: | n/a% |
| Nom. Flow Rate: | 0.09 m³/s | Effective Input Power: | 0.049 kW |
| SFP int: | 532 W/(m³/s) | Face Velocity: | 5.09 m/s |
| Nom. Ext. Pressure: | 258 Pa | Casing Sound Power: | 38 dB(A) |
| Internal Pressure: | n/a | Int. Pressure (non-vent): | n/a |
| Static Efficiency: | 57% | Max. External Leakage: | 2.5% |

Energy Performance of Filters: n/a
Visual Filter Warning Details: n/a
Disassembly Instructions: http://www.eltafans.com

# Drawing for Fan Model SJMF150




| MODEL | A | B | C | D | E | F | G | H | J | K |
|---|---|---|---|---|---|---|---|---|---|---|
| SJMF125 | 151 | 126 | 110 | 124 | 26 | 51 | 184 | 175 | 37 | 5 |
| SJMF150 | 173 | 153 | 165 | 150 | 21 | 80 | 187 | 175 | 37 | 5 x 8 SLOT |
| SJMF200 | 223 | 203 | 220 | 200 | 22 | 105 | 221 | 210 | 39 | 5 x 8 SLOT |
| SJMF250 | 274 | 254 | 210 | 250 | 22 | 105 | 300 | 288 | 26 | 5 x 8 SLOT |
| SJMF315 | 356 | 317 | 290 | 313 | 39 | 164 | 360 | 336 | 68 | 9 x 14 SLOT |
| SJMF355 | 401 | 358 | 330 | 353 | 45 | 184 | 405 | 380 | 77 | 9 x 14 SLOT |

PLEASE NOTE:

PHYSICAL REPRESENTATION OF THE UNIT MAY DIFFER DEPENDING ON THE SIZE/MODEL AND IS USED FOR REFERENCE PURPOSES ONLY

DIMENSIONS IN mm UNLESS OTHERWISE STATED, TOLERANCE ± 2.0

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF200 (5 speed)

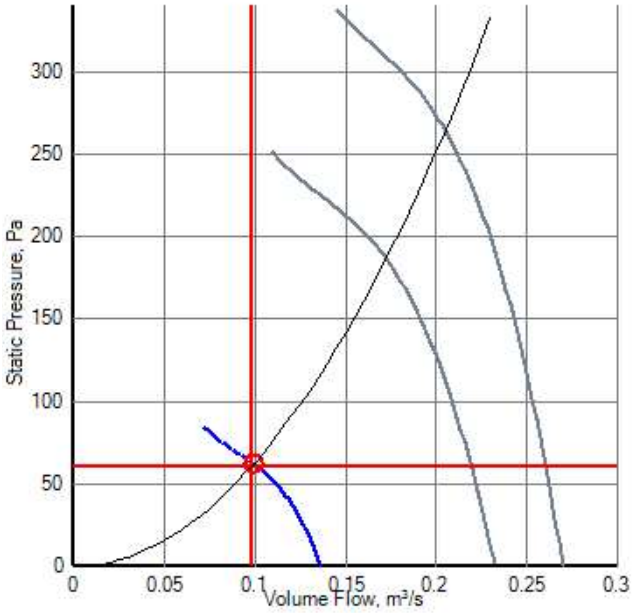
**Location:** EF05 **Designation:**

## Performance - Required

| | |
|---|---|
| Air Flow : | 0.10 m³/s |
| Static Pressure : | 60 Pa |
| Selection Pressure: | 60 Pa |
| Installation Type: | n/a |
| Air Density: | 1.204 kg/m³ |
| - Atmos. Temp: | 20 °C |
| - Altitude: | 0 m |
| - Humidity: | 0.0 % |

## Actual

| | |
|---|---|
| Air Flow: | 0.10 m³/s |
| Static Pressure: | 62 Pa |
| Total Pressure: | 68 Pa |

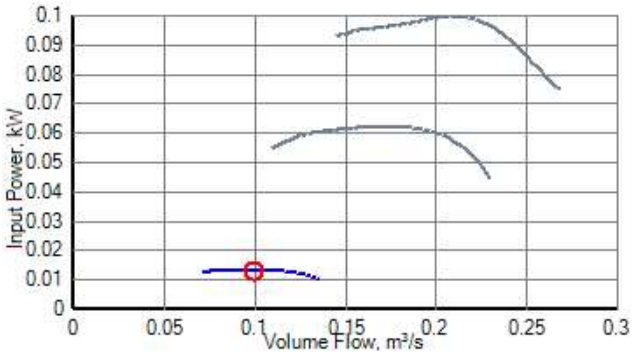



## Fan Data

| | | | |
|---|---|---|---|
| Catalogue Code: | SJMF200 (5 speed) | | |
| Description: | Jetflow SJMF EC | | |
| Diameter: | 200 mm | | |
| Impeller Type: | Mixed Flow | | |
| Blade Material: | - | | |
| Speed: | 1907 r/min @50 Hz | | |
| Power, Abs: | - | | |
| Input Power: | 0.01 kW | Peak: | - |
| Efficiency Total: | - | | |
| SFP: | 0.13 | Static: | - |
| Fan Weight: | 2.6 kg | | |

## Motor Data (at STP)

| | |
|---|---|
| Motor Type: | |
| Electrical Supply: | 230V 1ph 50Hz |
| Motor Frame: | |
| Motor Power: | 0.08kW |
| FLC/Start: | 0.70A / - |
| Motor Speed: | 2 pole |
| Motor Efficiency: | - |




## Sound Data

| Spectrum (Hz): | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | dBW | dB(A) @ 3m |
|---|---|---|---|---|---|---|---|---|---|---|
| Inlet (dB): | 40 | 41 | 50 | 49 | 52 | 53 | 49 | 46 | 58 | 37 |
| Outlet (dB): | 42 | 42 | 52 | 52 | 51 | 53 | 50 | 46 | 59 | 37 |

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.
Sound levels for fans running at non-standard speeds are estimated.

*As part of our continuous improvement processes, Elta reserves the right to make changes in design or specification to products without notice.*

Represented by:
**ELTA-UK LTD (BUILDING SERVICES)**
Tel: +44 (0)1384 275800 Email: sales@eltauk.com
46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
Web: eltauk.com

Version 5.27.10 Copyright © 2010-23 Elta Group

# Technical Data - Fan Model SJMF200 (5 speed)

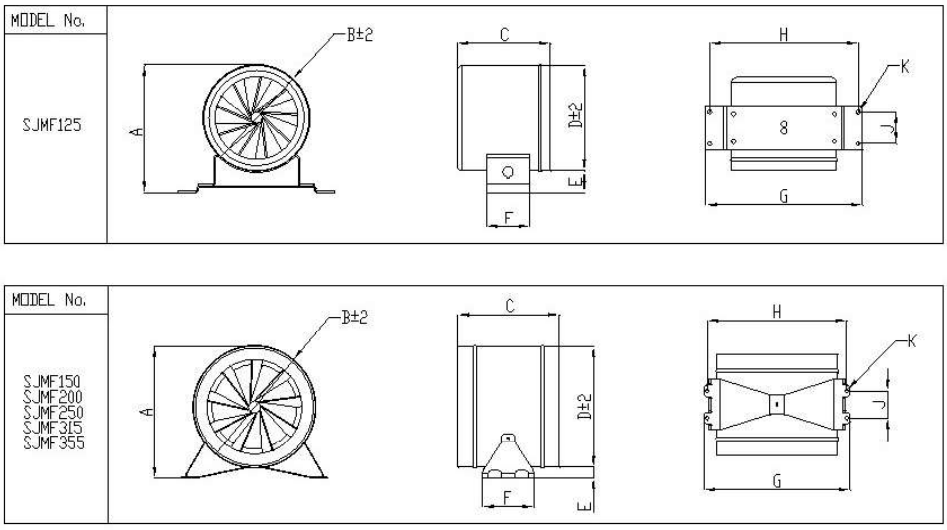
**Location:** EF05 **Designation:**

## Energy Related Product Data

| | | | |
|---|---|---|---|
| Typology: | NRVU, UVU | Drive Type: | Variable-Speed |
| HRS Type: | None | Thermal Efficiency: | n/a% |
| Nom. Flow Rate: | 0.18 m³/s | Effective Input Power: | 0.097 kW |
| SFP int: | 529 W/(m³/s) | Face Velocity: | 5.73 m/s |
| Nom. Ext. Pressure: | 296 Pa | Casing Sound Power: | 37 dB(A) |
| Internal Pressure: | n/a | Int. Pressure (non-vent): | n/a |
| Static Efficiency: | 64.8% | Max. External Leakage: | 2.5% |

Energy Performance of Filters: n/a
Visual Filter Warning Details: n/a
Disassembly Instructions: http://www.eltafans.com

# Drawing for Fan Model SJMF200




| MODEL | A | B | C | D | E | F | G | H | J | K |
|---|---|---|---|---|---|---|---|---|---|---|
| SJMF125 | 151 | 126 | 110 | 124 | 26 | 51 | 184 | 175 | 37 | 5 |
| SJMF150 | 173 | 153 | 165 | 150 | 21 | 80 | 187 | 175 | 37 | 5 x 8 SLOT |
| SJMF200 | 223 | 203 | 220 | 200 | 22 | 105 | 221 | 210 | 39 | 5 x 8 SLOT |
| SJMF250 | 274 | 254 | 210 | 250 | 22 | 105 | 300 | 288 | 26 | 5 x 8 SLOT |
| SJMF315 | 356 | 317 | 290 | 313 | 39 | 164 | 360 | 336 | 68 | 9 x 14 SLOT |
| SJMF355 | 401 | 358 | 330 | 353 | 45 | 184 | 405 | 380 | 77 | 9 x 14 SLOT |

PLEASE NOTE:

PHYSICAL REPRESENTATION OF THE UNIT MAY DIFFER DEPENDING ON THE SIZE/MODEL AND IS USED FOR REFERENCE PURPOSES ONLY

DIMENSIONS IN mm UNLESS OTHERWISE STATED, TOLERANCE ± 2.0