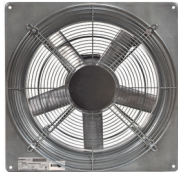


## SP/DP Series - square plate adjustable pitch axial



SP



DP

product SP/DP - Square Plate Adjustable Pitch Axial		
dimensions mm 400 - 1000	poles & duty 2 - 8 / up to 16,000 L/s	
application A comprehensive range of wall plate fans suitable for supply or exhaust ventilation. <b>Models available for Smoke Spill Applications</b>		

### Specifications

Casings for all models are of hot dipped galvanised steel construction with bell mouth inlets for improved air flow. Motor mountings are fabricated from heavy duty galvanised steel.

### Testing

Rated fan performance has been determined by testing to ISO 5801 : 2007. Fan sound data has been determined by testing to BS848 Part 2 : 1985 or AMCA 300.

### Impellers

Adjustable pitch impellers consist of hubs manufactured from pressure die cast aluminium alloy. Blades are of special aerofoil section giving excellent performance and low noise characteristics. Blade materials include injection moulded glass reinforced polypropylene (GRP), nylon or pressure cast aluminium. Impellers are balanced to ISO1940 Grade G6.3.

### Motors

Motors are of TEFC design. Motor enclosure features IP54 protection. Motor windings incorporate class 'F' insulation as standard although class 'H' is readily available. Motor bearings are sealed for life and maintenance free.

### Wiring diagrams and latest data

Refer to the latest product datasheet for individual model wiring instructions, data and specifications. Datasheets are available from our electronic selection software **FansSelect** downloadable at [www.pacificHVAC.com](http://www.pacificHVAC.com) It is a condition of our warranty that all equipment supplied is installed according to the requirements of AS/NZS3000:2007 Australian/New Zealand wiring rules.

### Features

- Heavy duty construction.
- Inlet guards fitted as standard.
- Bell inlet designs for maximised performance.
- Wide range of sizes and motor configurations
- Low noise adjustable pitch impellers
- Sealed for life ball bearings
- Available in Form A or Form B flow versions.
- Available in optional Colorbond™ colours.

### Suggested Specification

Axial Flow wall mount type fans shall be of the SP/DP Series manufactured by Pacific HVAC Engineering Axial Flow impellers shall be driven by TEFC motors with sealed for life bearings. Fan cases shall be of heavy gauge steel with roll formed or fully welded flanges or pressed galvanised sheet steel housings. All welded cases to be hot dip galvanised to AS1650 specification. Impeller blades to be of aerofoil section manufactured from Nylon, GRP, Antistatic or pressure die cast aluminium. All fans shall be fully tested in accordance with the requirements of ISO 5801 : 2007 for air flow and BS848 Part 2 : 1985 or AMCA 300 for sound.

### Ancillaries



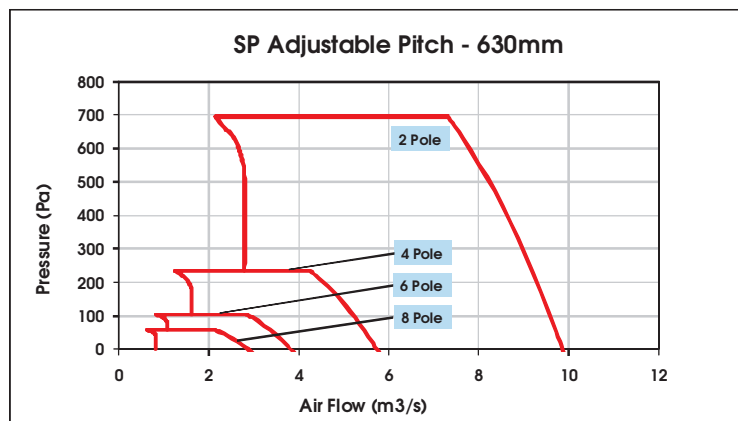
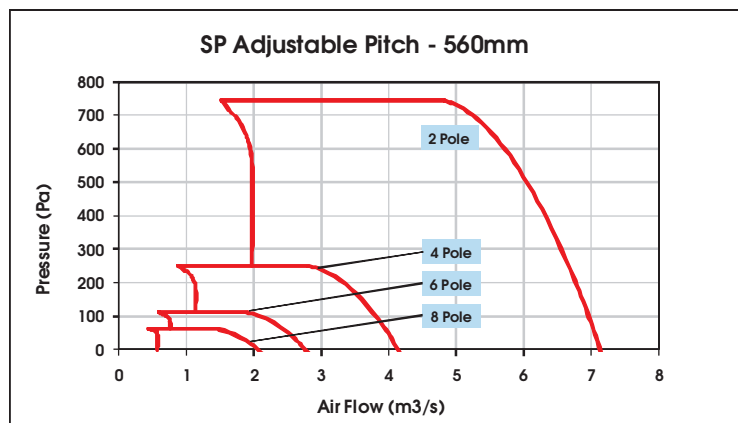
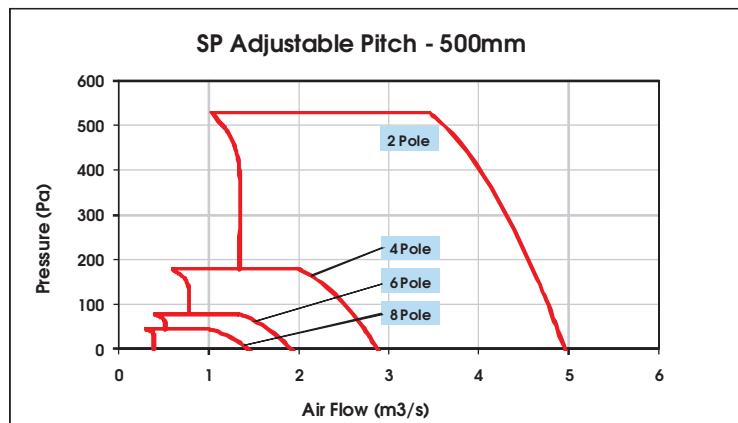
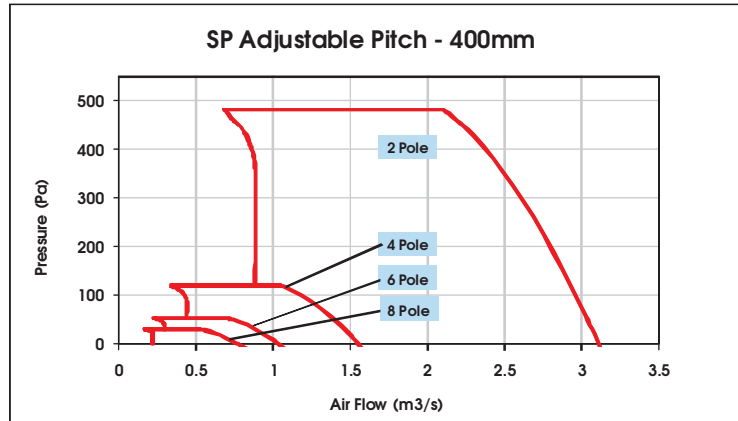
## SP Envelopes By Ø and Motor Speed

### Performance Envelope Curves

The performance curves on this page offer a guide to the duties covered within the model range described. Performance envelopes have been grouped by motor speed for each fan model's available diameter. Note that scales for all charts are linear. We strongly recommend that these curves be used as a guide only. For detailed performance capability refer to our fan selection software **FansSelect** available for free download at [www.pacificHVAC.com](http://www.pacificHVAC.com)



SP



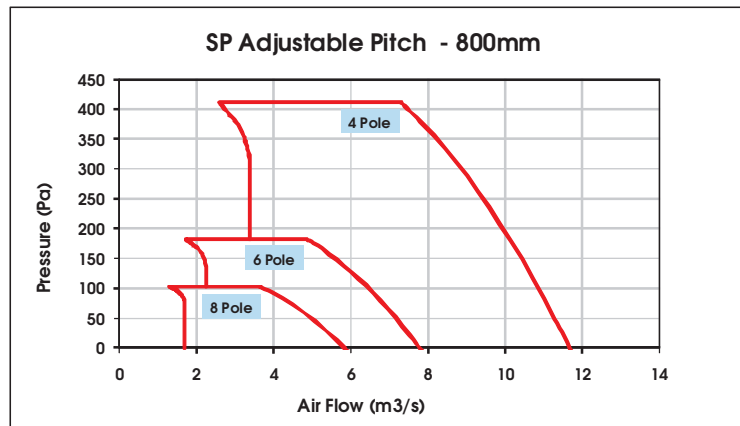
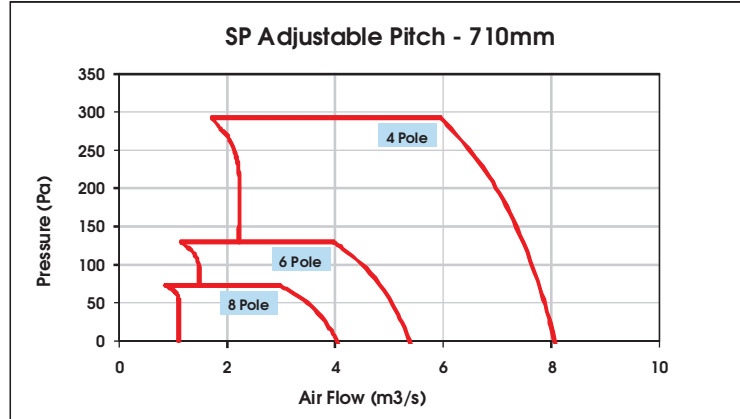
## SP/DP Envelopes By Ø and Motor Speed

### Performance Envelope Curves

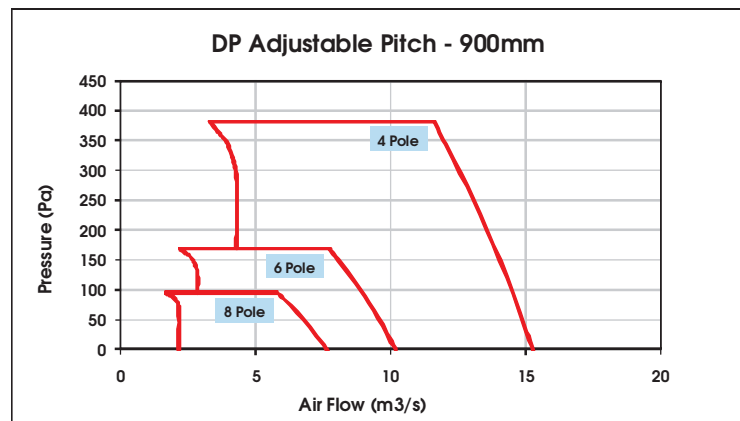
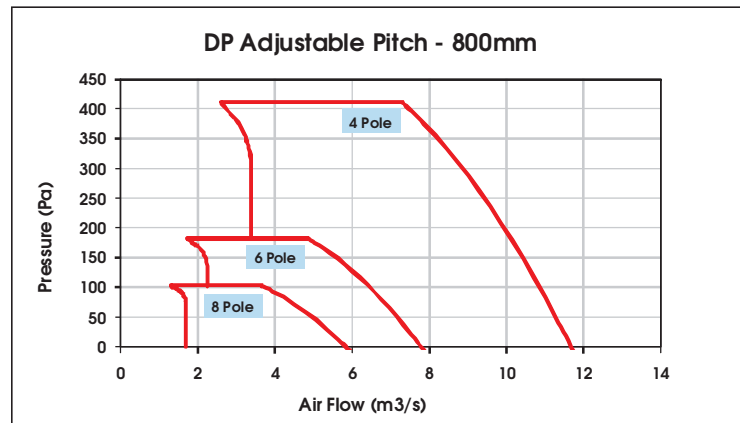
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SP



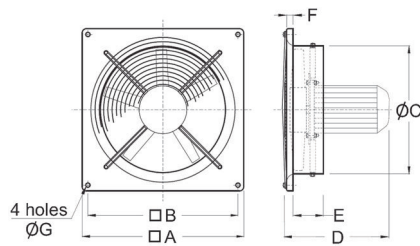
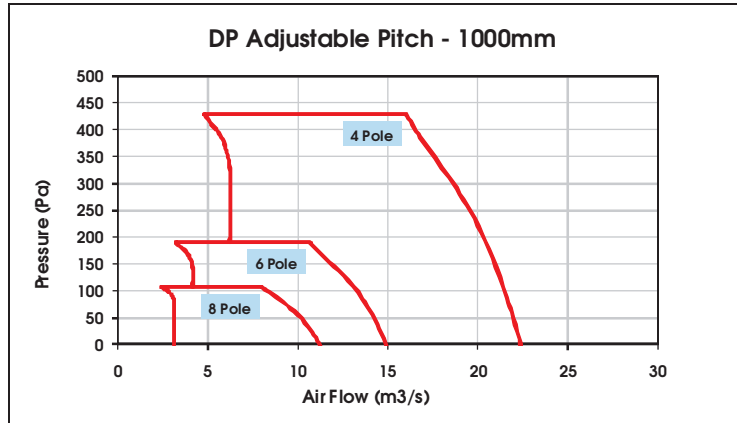
DP



## DP Envelopes By Ø and Motor Speed

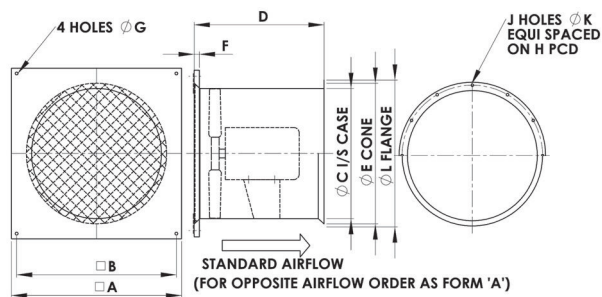


DP



SP								
Size	A	B	C	*D	E	F	G	*kg
400	540	490	406	395	88	12	9	38
500	655	615	508	415	104	16	11	43
560	725	675	564	415	104	16	11	45
630	805	750	639	430	130	20	11	48
710	850	810	715	470	150	20	14.5	61
800	970	910	801	605	190	20	14.5	85

\*Based on maximum size.



DP						
Size	A	B	C	D	E	F
900	1070	1010	900	630	970	1000
1000	1170	1110	1000	630	1100	1100