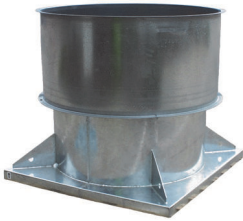


## LR Series - adjustable pitch roof axial



<b>product</b> LR Series - adjustable pitch roof axial		
<b>dimensions mm</b> 800 - 1800	<b>poles &amp; duty</b> 4 - 8 / up to 60,000 L/s	
<b>application</b> A high performance adjustable pitch axial flow series for general and smoke spill vertical discharge ventilation.		

### Specifications

Bases and casings for all models are of hot dipped galvanised steel construction. Wind bands and shutter flaps are manufactured from cold rolled galvanised steel. The flap mounting mechanism is designed to prevent water leaking into the fan. Special materials and finishes are available for hazardous environments and special circumstances. Available in optional Colorbond™ colours.

### Testing

Units comply with AS4429 and approved by BS and AMCA. AS1668 pt1 for Smoke Spill applications. 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

Aerofoil adjustable pitch impellers are available in a range of materials, including pressure die cast aluminium, injection moulded glass reinforced polypropylene (GRP) and nylon. 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 either sealed for life and maintenance free or supplied with grease lines terminated outside the fan case.

### Smoke Spill

LR Series fans have been tested and certified to meet the requirements of AS4429:1999. The fans comply with requirements of AS/NZS 1668.1:1998

### 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.

### Ancillaries



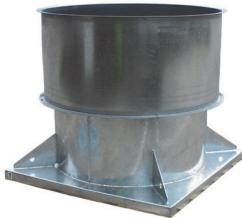
### Features

High efficiency, low noise adjustable pitch axial impeller.  
Perfectly matched to medium / high pressure and volume systems.  
Heavy duty hot dip galvanised steel construction.  
Easy access to wiring junction box from above the roof line.

## LR Series - envelopes by Ø and motor speed

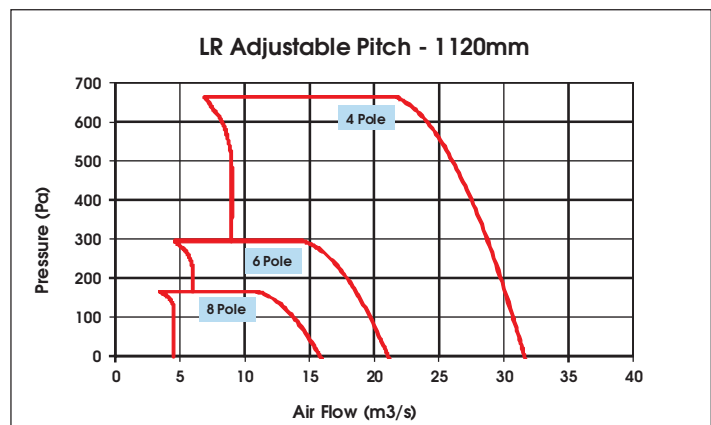
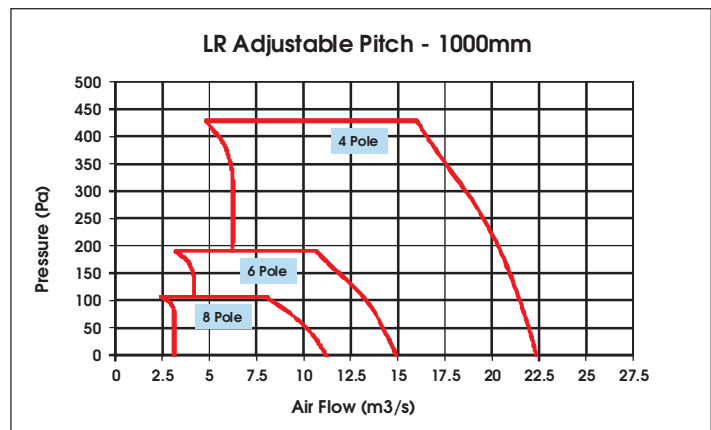
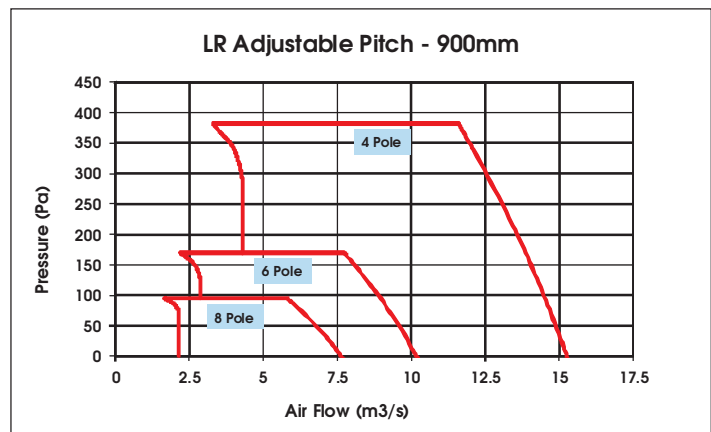
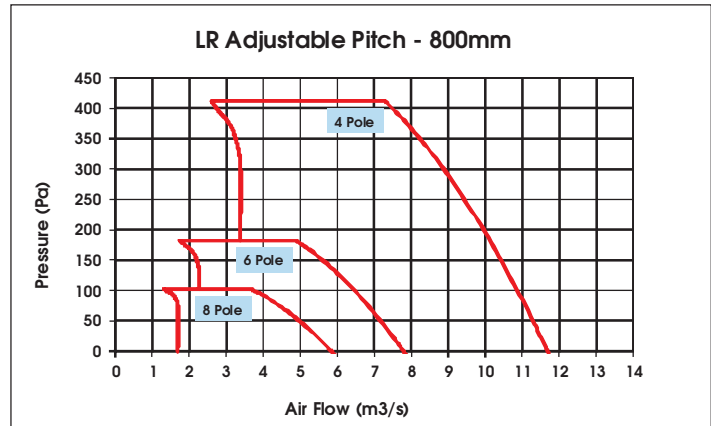
### Performance Envelope Curves

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)



#### Suggested Specification

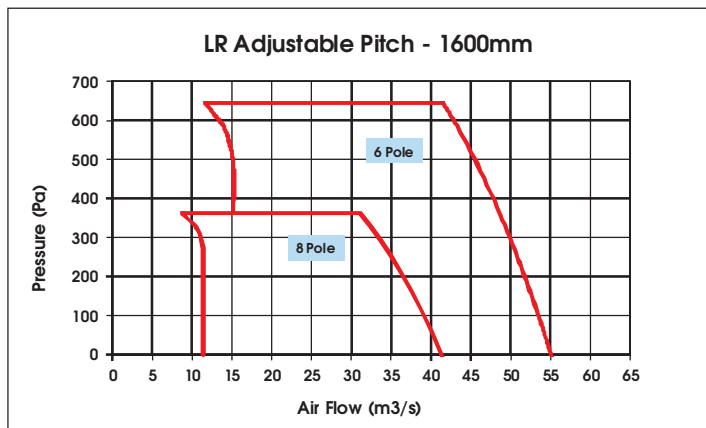
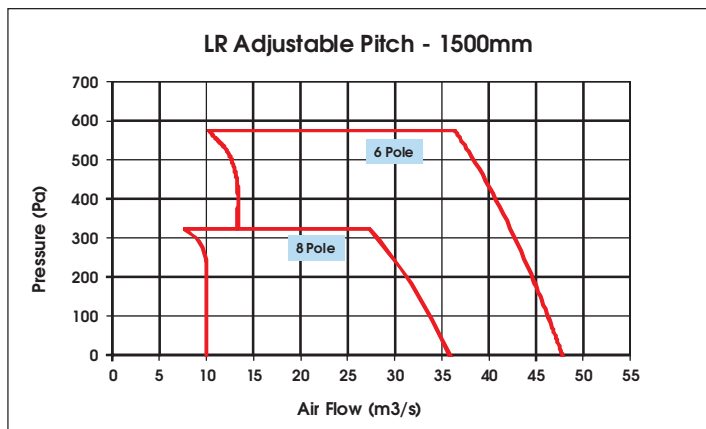
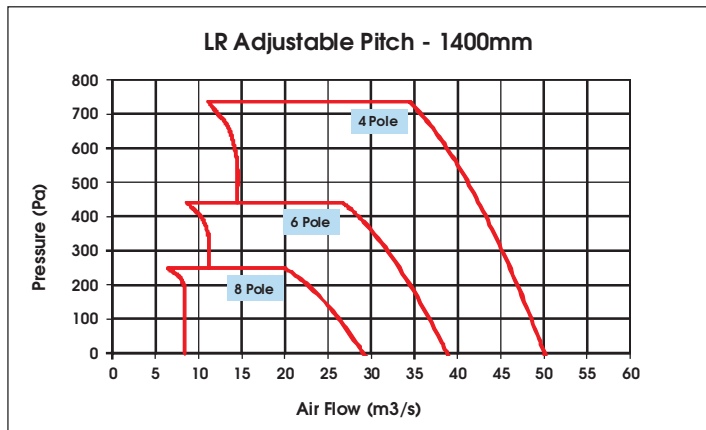
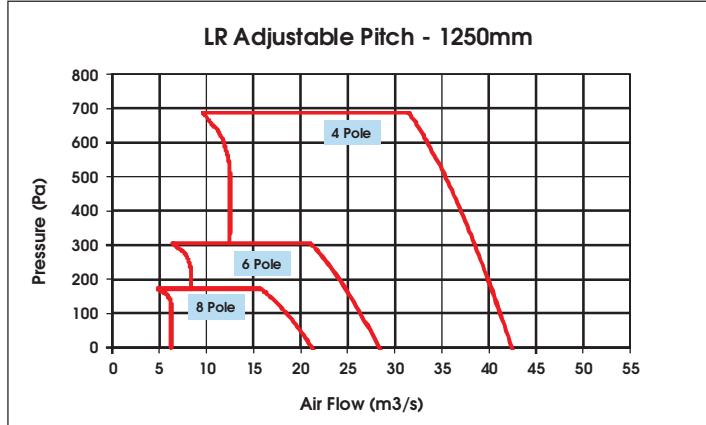
Adjustable Pitch Axial Flow Exhaust/Supply type fans shall be of the LR Series manufactured by Pacific HVAC Engineering. Axial Flow impellers shall be driven by TEFC motors with sealed for life bearings. Fan cases shall be fully welded heavy gauge steel hot dip galvanised to AS1650 specification. Wind bands shall be weather proof and fabricated from corrosion protected steel. 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. LR units shall comply with the requirements of AS4429 and AS1668 pt 1 for smoke spill applications.



## LR Series - envelopes by Ø and motor speed

### Performance Envelope Curves

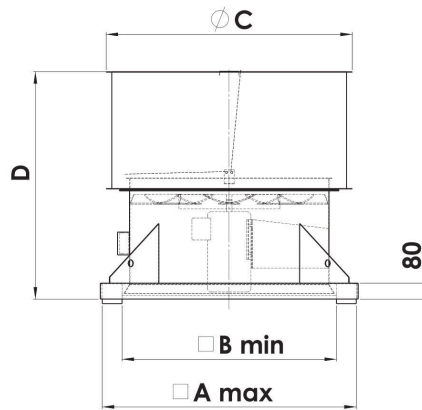
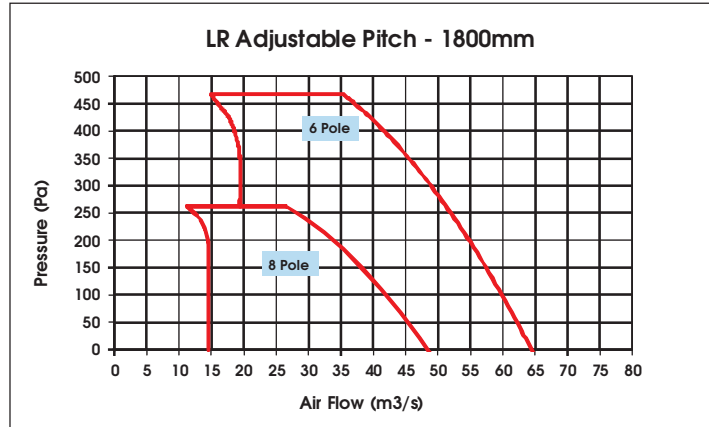
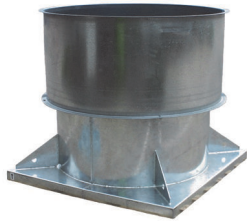
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## LR Series - envelopes by Ø and motor speed

### Performance Envelope Curves

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LR								
Size	Motor Frame Size	A	B	C	D min	D max	Kg min	Kg max
LR80	90-160	1100	900	1040	975	1225	140	250
LR90	100-160	1170	1020	1140	1045	1275	165	270
LR10	112-180	1280	1080	1240	1145	1340	200	370
LR11	112-180	1420	1270	1360	1205	1450	225	395
LR12	112-180	1480	1380	1490	1280	1590	310	510
LR14	160-250	1680	1480	1640	1585	1825	500	890
LR15	160-250	1850	1650	1760	1640	1930	545	950
LR16	180-250	1880	1680	1860	1770	1970	700	995
LR18	180-315	2080	1880	2060	1880	2330	760	1780