



# ELDRIDGE FAN

## FAN DATA FOR MODEL EIP42S-4P300-K4A

### Requirements

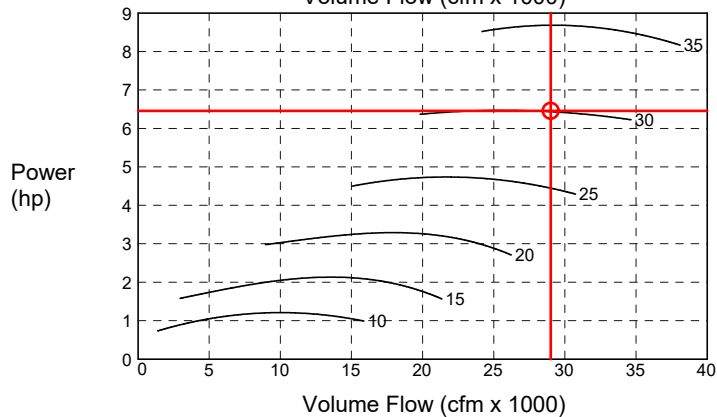
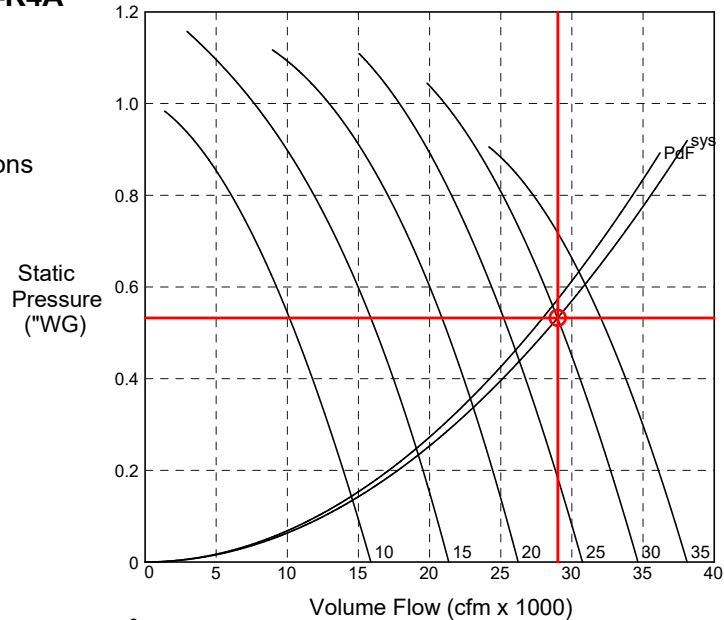
Volume: 29000 cfm  
 Static Pressure: 0.25 "WG  
 Selection Pressure: 0.53 "WG at std conditions  
 Installation Category: TYPE A  
 Temperature: 70 deg F  
 Altitude: 0 ft

### Fan Data (at STP)

Type: Impeller  
 Diameter: 42 in  
 Hub: 255 mm  
 Impeller Blades: 4  
 Pitch: 30 degrees  
 Blade Material: Aluminium  
 Speed: 1170 RPM  
 Absorbed Power: 6.45 hp  
 Peak Power: 6.49 hp  
 Impeller Total Eff: 79 %  
 Specific Fan Power: 0.42 W/(l/s)

### Motor Data (at STP)

Motor Type:  
 Electrical Supply:  
 Frame/Power/Eff:  
 Current FLC/Start:  
 Motor Speed:



Density: 0.075 lbs/ft<sup>3</sup>

### Sound Power

Spectrum (Hz)	63	125	250	500	1K	2K	4K	8K	dBW	dBA @ 5ft
Outlet PWL (dB)	102	92	88	88	87	85	82	79	104	77
Inlet PWL (dB)	99	88	85	85	84	80	77	76	100	74

Note: Levels are quoted as in-duct values. dBA values are average spherical free-field for comparative use only.