

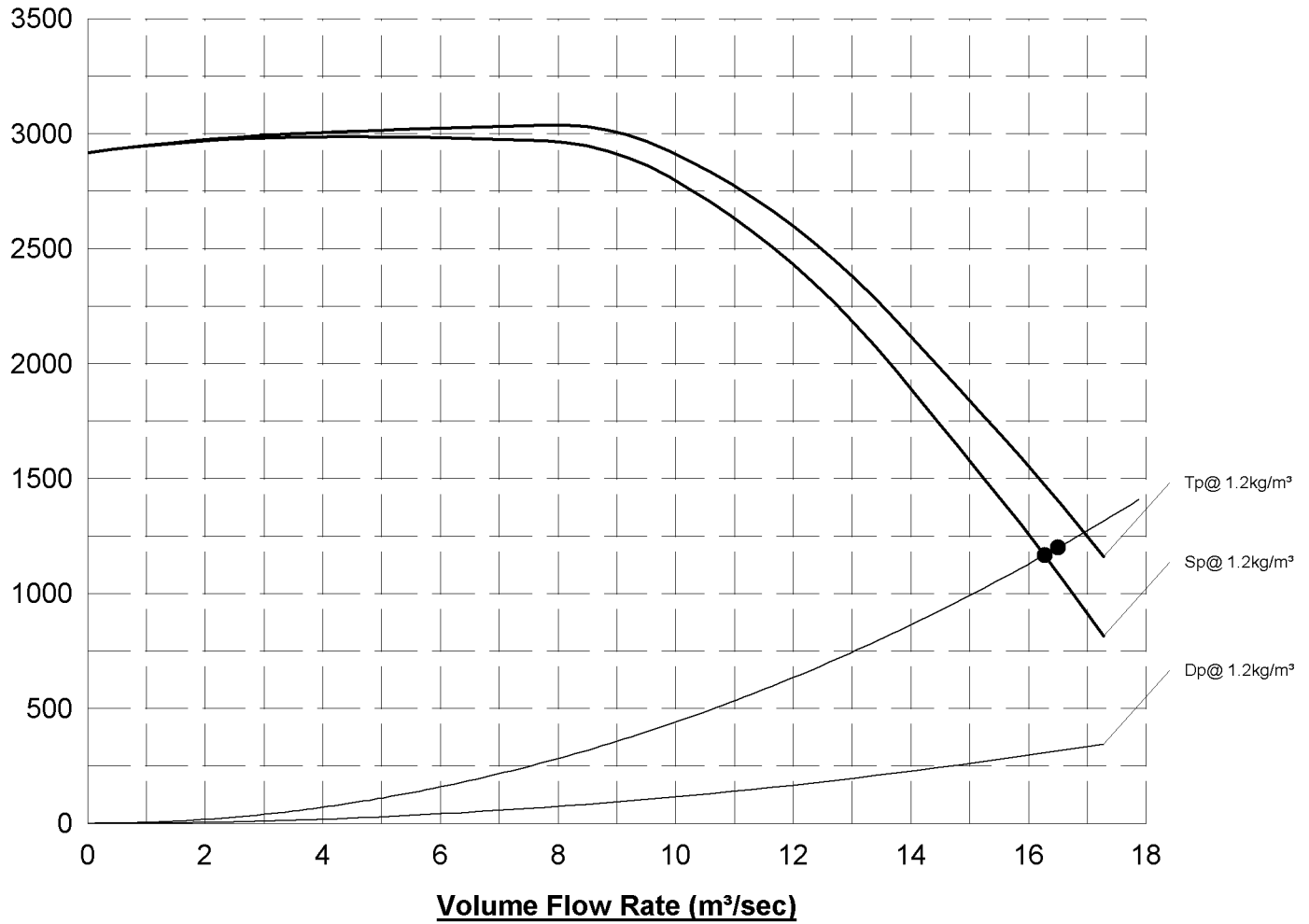
Fan Performance Curve



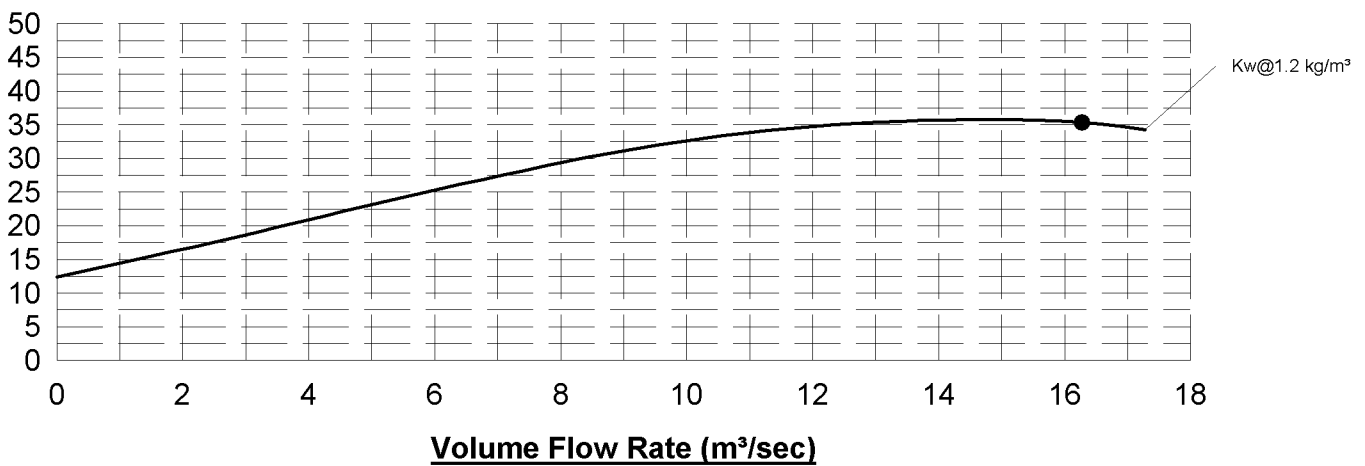
Better thinking, better solutions

Fan Type :- CW7
Fan Size :- 900 T4
Fan Speed :- 1470 rpm (Performance tolerance class:-2)
Density :- 1.2 Kg/m³
Required Duty :- 16.5m³/sec @1200.0(static) @1.2 Kg/m³
Operating point :- 16.27m³/sec @1166.4(static) @1.2 Kg/m³

Pressure (Pa)



Power (Kw)



Power values at 1.2 Kg/m³ At operating point :-35.3 Kw / Peak:-35.78 Kw / Closed:-12.44 Kw

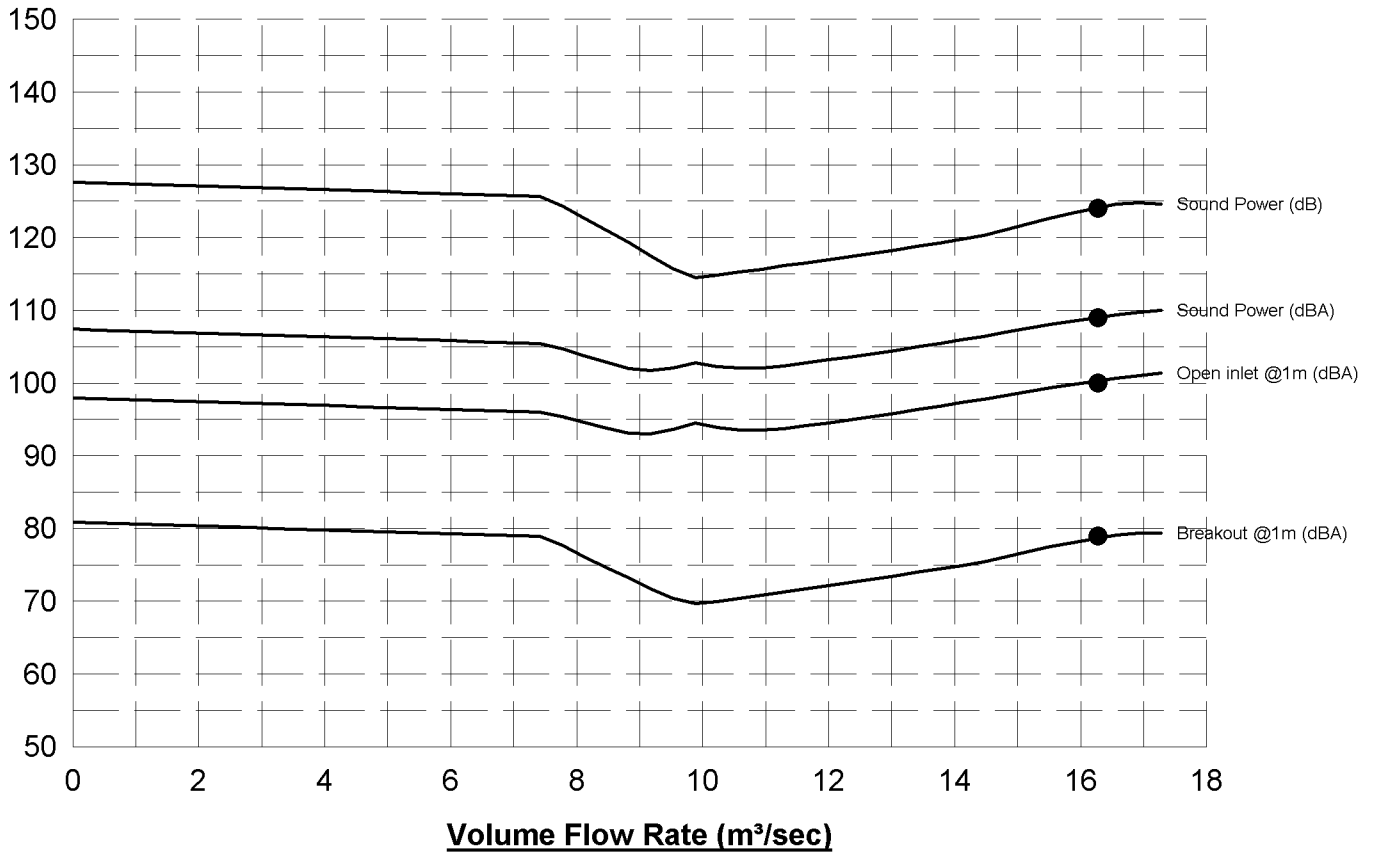
Fan Noise Data



Better thinking, better solutions

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 Breakout figures based on an unlagged fan

Noise level dB/dBA



Noise Spectrum Figures at operating point

	63Hz	125Hz	250Hz	500Hz	1 KHz	2 KHz	4 KHz	8 KHz	O/All
Sound Power radiated into duct (dB):-	122	117	115	103	99	95	92	84	124
Sound Power radiated into duct (dBA):-	96	101	106	100	99	96	93	83	109
Sound Pressure open inlet @ 1m (dBA):-	82	91	97	92	91	88	85	75	100
Sound Pressure open inlet @ 3m (dBA):-	73	81	88	83	81	79	75	66	91
Breakout Sound Pressure @ 1m (dBA):-	75	74	72	61	53	54	53	37	79
Breakout Sound Pressure @ 3m (dBA):-	65	64	63	51	44	44	43	28	69

Motor Sound Pressure @ 1m (dBA):- 75 Fan & un-muffled motor @ 1m (dBA):-80 Fan & muffled motor @ 1m (dBA):-79

Figures are based on undisturbed flow into the fan, any disturbances to the flow will result in increased noise and reduced flow rate.
 All Sound pressure values for open inlet / discharge are an average value of 13 points around the fan and are based on hemi-spherical free field conditions.
 All Sound pressure values for breakout are an average value of 10 points around the fan and are based on hemi-spherical free field conditions.
 Breakout figures are for the fan casing only, breakout from ducting or flexible connections has not been taken into account.
 Spectrum figures vary across the whole curve, the figures quoted above apply only to the operating point.
 Tolerance on values -0 +3db.