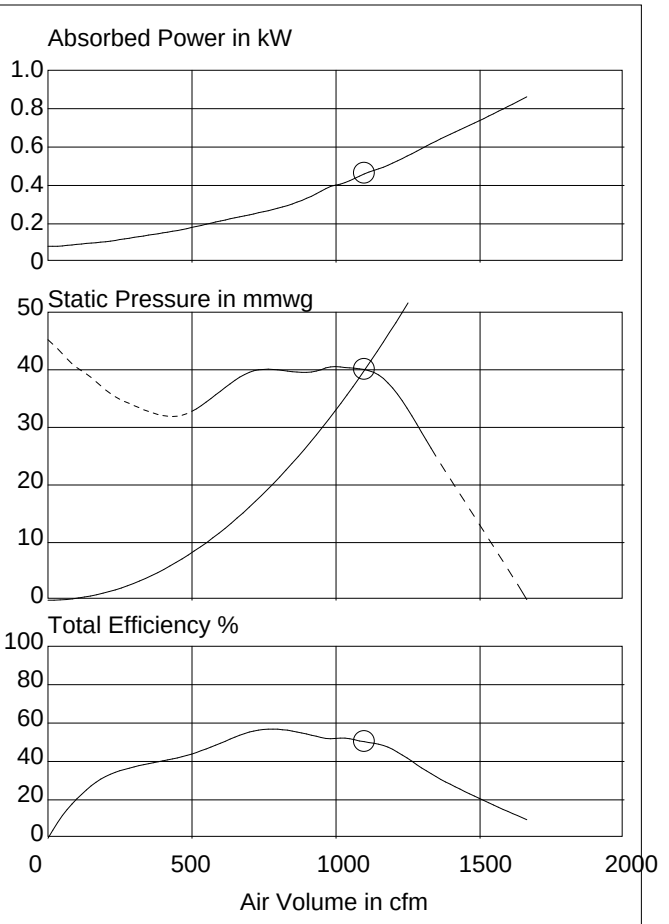
| | |
|---|---|
| Date | 30.12.14 |
| Company | M/S PAVANI ENGINEERS, HYDERABAD |
| Attention | MR. SRINIVAS |
| Project | M/S IIT HYDERABAD |
| Reference | |
| Notes | 1100CFM,40SP |

Kruger Ventilation Industries Pte Ltd
No. 17 Tuas Avenue 10
Singapore 639141

Tel: +65 6861 1577 fax: +65 6861 3577
email: mktg@krugerasia.com

| | |
|---|---|
| Fan Type | DIDW Forward Curved |
| Unit | KAT7/7/CL (CLI) |
| Operating Conditions | Ducted |
| Air Volume | 1100 cfm |
| Static Pressure | 40.0 mmwg |
| Velocity Pressure | 4.6 mmwg |
| Total Pressure | 44.6 mmwg |
| Outlet Velocity | 8.80 m/s |
| Fan Total Efficiency | 50.2 % |
| Fan Static Efficiency | 45.0 % |
| Fan Speed | 1821 rpm |
| Air Temperature | 20.0 °C |
| Altitude | 0 m |
| Fan Absorbed Power | 0.46 kW |
| Recommended Motor | D80 ( 0.55 kW ) |
| Motor Speed | - |
| Service Factor | 5 % |
| Plenum Size | - |
| Outlet Size | - |
| Rec. Airflow Variation | - |
| Fan Pulley / Bush / Shaft | - |
| Motor Pulley / Bush / Shaft | - |
| Belt Length | - |
| Number of Belts / f | - |
| Static Belt Tension/Belt | - |
| Belt Deflection | - |
| Belt Speed (<40m/s) | - |
| Bearing Life ( L10 / L50 ) | - |
| Starting Torque | - |
| **Operating Limits** | |
| Max. Absorbed Power | 1.10 kW |
| Max. Fan Speed | 2600 rpm |
| Temperature (Min-Max) | -20° to +85°C |

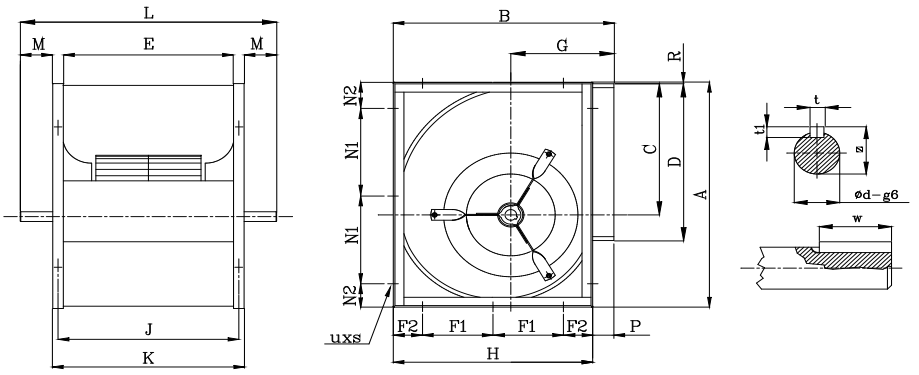



| Hz | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Overall | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lwi(Lin) | 64 | 67 | 72 | 75 | 73 | 70 | 66 | 63 | 80 | dB |
| Lwi(A) | 39 | 52 | 64 | 72 | 73 | 71 | 67 | 62 | 78 | dB(A) |
| Lpi(A) | 32 | 45 | 57 | 65 | 65 | 64 | 60 | 55 | 70 | dB(A) |

* Sound data is for the inlet side

* Sound Pressure Level 1m, Room Conditions

KAT 'C' (CW90)




| A | B | C | D | E | F1 | F2 | G | H | J | K | L | M | N1 | N2 | P | R | t | t1 | w | z | Od | UxS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 336 | 323 | 192 | 228 | 259 | 90 | 57 | 152 | 294 | 279 | 299 | 425 | 63 | 90 | 78 | 29 | 6 | 6 | 6 | 30 | 22.5 | 20 | 9x12 | | |