



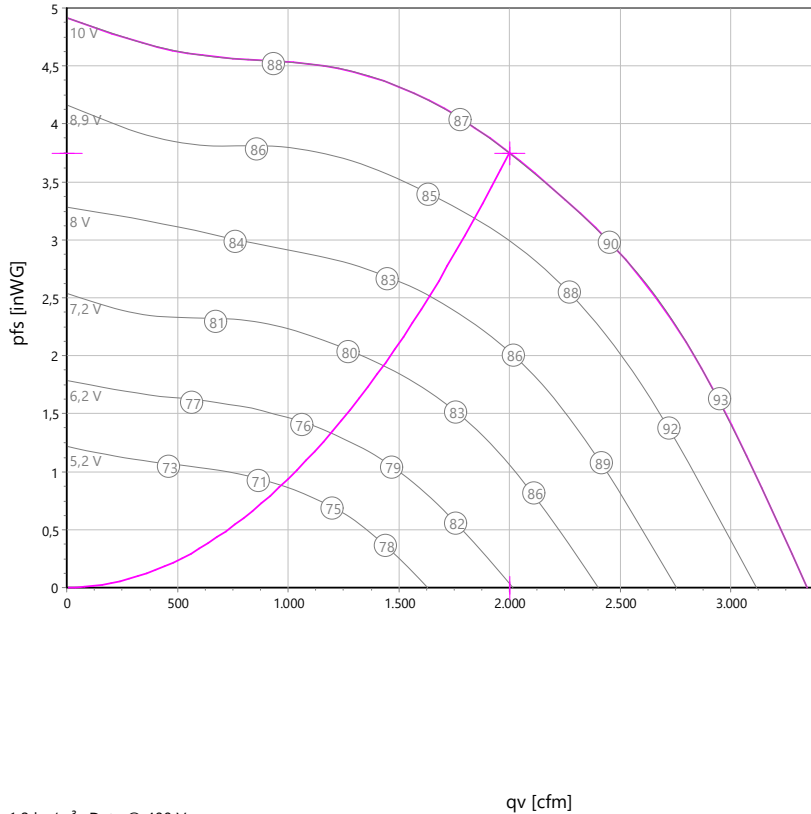
Plug Fan

Type: **GKHM 355-CIW.110.5HF**

Art.-No.: N88-35555



Curve:



p: 1,2 kg/m³; Data @ 400 V

Operating Point:

| | | |
|-----------------------|------|-------|
| q _v | 2000 | cfm |
| p _{fs} | 3,75 | inWG |
| p _{fd} | 0,2 | inWG |
| η _{ed,fs} | 48 | % |
| P _{ed} | 1,87 | kW |
| n | 2668 | U/min |
| I | 3,68 | A |
| L _{WA A,out} | 88 | dB(A) |
| U _C | 10 | V |

Set point:

| | | |
|-----------------|------|------|
| q _v | 2000 | cfm |
| p _{fs} | 3,75 | inWG |

Intersections:

| Curve | q _v [cfm] | p _{fs} [inWG] | P _{ed} [kW] | I [A] | n _N [r/min] | L _{WA A,out} [dB(A)] |
|-------|----------------------|------------------------|----------------------|-------|------------------------|-------------------------------|
| 5,2 V | 970 | 0,883 | 0,262 | 0,67 | 1308 | 72 |
| 6,2 V | 1192 | 1,334 | 0,441 | 1,03 | 1605 | 76 |
| 7,2 V | 1429 | 1,916 | 0,708 | 1,62 | 1911 | 80 |
| 8 V | 1638 | 2,516 | 1,09 | 2,36 | 2182 | 83 |
| 8,9 V | 1844 | 3,188 | 1,484 | 3,05 | 2452 | 85 |
| 10 V | 2000 | 3,75 | 1,866 | 3,68 | 2668 | 87 |

Nominal Data:

| U [V] | f [Hz] | Data @ [V] | P _{ed} [kW] | I _N [A] | n _N [r/min] | t _r [°C] | k ₁₀ [m ² s/h] | I _A / I _N | IP | m [kg] |
|-----------|--------|------------|----------------------|--------------------|------------------------|---------------------|--------------------------------------|---------------------------------|-------|--------|
| 3~380-480 | 50/60 | 400 | 1,96 | 3,5 | 2650 | 40 | 92 | --- | IP 54 | ~22 |

Sound Data:

| Frequency | Σ | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz | Distances | 1 m | 4 m |
|--------------------------------|----|-------|-------|-------|------|------|------|------|--------------------------------|-----|-----|
| L _{WA(A,in)} [dB(A)] | 82 | 62 | 72 | 77 | 76 | 75 | 71 | 66 | L _{pA(A,in)} [dB(A)] | 75 | 65 |
| L _{WA(A,out)} [dB(A)] | 88 | 68 | 77 | 82 | 84 | 81 | 74 | 69 | L _{pA(A,out)} [dB(A)] | 81 | 71 |



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