



LINEAR SLOT DIFFUSER | SUPPLY AIR PERFORMANCE GUIDE (1" SLOTS)

HOW TO USE THIS CHART:

- Select the number of slots (diffuser height).
- Choose the design static pressure tier (Low / Standard / High).
- **Blue values** = CFM per Linear Foot (CFM/LF).
- Supply Air Only: Gray values beneath indicate Typical Horizontal (H) & Vertical (V) throw (ft).
- Multiply CFM/LF × diffuser length (ft) to estimate total airflow.
- Example: **40 CFM/LF × 4ft diffuser length = 160 CFM** total airflow.
- Use as preliminary guidance only; verify with engineered selection for critical applications.

# OF SLOTS	LOW STATIC +SP (in. w.g.) 0.03–0.05	STANDARD STATIC +SP (in. w.g.) 0.06–0.10	HIGH STATIC +SP (in. w.g.) 0.12–0.20
1	15–25 CFM/LF H:5–8 V:2–3	25–40 CFM/LF H:7–12 V:3–5	40–55 CFM/LF H:10–17 V:4–8
2	30–50 CFM/LF H:5–9 V:2–3	50–80 CFM/LF H:7–12 V:3–5	80–110 CFM/LF H:10–17 V:4–9
3	45–75 CFM/LF H:5–9 V:2–4	75–120 CFM/LF H:7–13 V:3–5	120–165 CFM/LF H:11–18 V:5–9
4	60–100 CFM/LF H:6–9 V:2–4	100–160 CFM/LF H:7–13 V:3–6	160–220 CFM/LF H:11–19 V:5–9
5	75–125 CFM/LF H:6–10 V:2–4	125–200 CFM/LF H:8–13 V:3–6	200–275 CFM/LF H:11–19 V:5–10
6	90–150 CFM/LF H:6–10 V:2–4	150–240 CFM/LF H:8–14 V:3–6	240–330 CFM/LF H:12–20 V:5–10
7	105–175 CFM/LF H:6–10 V:2–4	175–280 CFM/LF H:8–14 V:3–6	280–385 CFM/LF H:12–20 V:5–10
8	120–200 CFM/LF H:6–10 V:2–4	200–320 CFM/LF H:8–15 V:3–6	320–440 CFM/LF H:12–21 V:5–10
9	135–225 CFM/LF H:6–11 V:2–4	225–360 CFM/LF H:9–15 V:3–6	360–495 CFM/LF H:13–21 V:5–11
10	150–250 CFM/LF H:7–11 V:2–4	250–400 CFM/LF H:9–15 V:3–7	400–550 CFM/LF H:13–22 V:5–11
11	165–275 CFM/LF H:7–11 V:2–4	275–440 CFM/LF H:9–16 V:3–7	440–605 CFM/LF H:13–22 V:6–11
12	180–300 CFM/LF H:7–11 V:2–5	300–480 CFM/LF H:9–16 V:3–7	480–660 CFM/LF H:14–23 V:6–11

DESIGN NOTES

- Throw values are approximate architectural estimates and can vary with ceiling height, ΔT, and pattern controllers.
- Static pressure tiers represent typical operating ranges (*not certified laboratory conditions*).
- For return air, actual capture may depend on grille placement and room air mixing.

***Performance data shown are generalized engineering estimates for preliminary sizing only. Actual airflow and throw vary based on duct design, system static pressure, diffuser length, ceiling height, ΔT, plenum configuration, and installation conditions. Values are not guaranteed ratings. Specifications and performance data are subject to change without notice.*



LINEAR SLOT GRILLE | RETURN AIR PERFORMANCE GUIDE (1" SLOTS)

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- Choose the design static pressure tier (Low / Standard / High).
- **Blue values** = CFM per Linear Foot (CFM/LF).
- Multiply CFM/LF × diffuser length (ft) to estimate total airflow.
- Example: **40 CFM/LF × 4'ft diffuser length = 160 CFM** total airflow.
- Use as preliminary guidance only; verify with engineered selection for critical applications.

# OF SLOTS	LOW STATIC -SP (in. w.g.) 0.03–0.05	STANDARD STATIC -SP (in. w.g.) 0.06–0.10	HIGH STATIC -SP (in. w.g.) 0.12–0.20
1	25–40 CFM/LF	40–70 CFM/LF	70–85 CFM/LF
2	50–80 CFM/LF	80–140 CFM/LF	140–170 CFM/LF
3	75–120 CFM/LF	120–210 CFM/LF	210–255 CFM/LF
4	100–160 CFM/LF	160–280 CFM/LF	280–340 CFM/LF
5	125–200 CFM/LF	200–350 CFM/LF	350–425 CFM/LF
6	150–240 CFM/LF	240–420 CFM/LF	420–510 CFM/LF
7	175–280 CFM/LF	280–490 CFM/LF	490–595 CFM/LF
8	200–320 CFM/LF	320–560 CFM/LF	560–680 CFM/LF
9	225–360 CFM/LF	360–630 CFM/LF	630–765 CFM/LF
10	250–400 CFM/LF	400–700 CFM/LF	700–850 CFM/LF
11	275–440 CFM/LF	440–770 CFM/LF	770–935 CFM/LF
12	300–480 CFM/LF	480–840 CFM/LF	840–1020 CFM/LF

DESIGN NOTES

- Throw values are approximate architectural estimates and can vary with ceiling height, ΔT, and pattern controllers.
- Static pressure tiers represent typical operating ranges (*not certified laboratory conditions*).
- For return air, actual capture may depend on grille placement and room air mixing.

**Performance data shown are generalized engineering estimates for preliminary sizing only. Actual airflow and throw vary based on duct design, system static pressure, diffuser length, ceiling height, ΔT, plenum configuration, and installation conditions. Values are not guaranteed ratings. Specifications and performance data are subject to change without notice.