# Ballasts with Thermal Cut-out for HS and HI Lamps 35 to 250 W

**Shape: 53x66 mm**

| Lamp | | | Ballast | | | | | | | | | | | | Capacitor | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Output W | Type | Current A | Type | **Ref. No.** | Voltage AC V, Hz | Drawing | a mm | b mm | c mm | Weight kg | Δt K | Power factor λ | Energy efficiency | | $C_P$ µF | $I_N$ A |
| **Screw terminals: 0.5–2.5 mm² (Drawing B) or 0.75–2.5 mm² (Drawing C)** | | | | | | | | | | | | | | | | |
| 35 | HS, HI | 0.53 | NaHJ 35.485* | **503010** | 230/240, 50 | B | 108 | 86 | 36 | 1.07 | 60 | 0.40 | EEI=A3 | | 6 | 0.22/0.21 |
| 35 | HS, HI | 0.53 | NaH 50/35.412 | **563871** | 230, 50 | B | 117 | 92 | 55 | 1.52 | 25 | 0.36 | **A2** | | 6 | 0.22 |
| 50 | HS, HI | 0.76 | | | | | | | | | 40 | 0.34 | **A2** | | 8 | 0.30 |
| 35 | HS, HI | 0.53 | NaH 50/35.797* | **539515** | 230, 50 | B | 108 | 86 | 36 | 1.07 | 45 | 0.40 | EEI=A3 | | 6 | 0.22 |
| 50 | HS, HI | 0.76 | | | | | | | | | 70 | 0.37 | EEI=A3 | | 8 | 0.30 |
| 50 | HS, HI | 0.76 | NaH 50.486* | **507498** | 230/240, 50 | B | 108 | 86 | 36 | 1.07 | 65 | 0.37 | EEI=A3 | | 8 | 0.30 |
| 50 | HS, HI | 0.76 | NaHJ 70/50.695* | **507697** | 230/240, 50 | B | 108 | 86 | 48 | 1.39 | 50 | 0.37 | EEI=A3 | | 8 | 0.30/0.29 |
| 70 | HS, HI | 0.98 | | | | | | | | | 70 | 0.37 | EEI=A3 | | 12 | 0.38/0.37 |
| 70 | HS, HI | 0.98 | NaHJ 70.226 | **563039** | 230, 50 | B | 108 | 86 | 48 | 1.39 | 50 | 0.37 | **A2** | | 12 | 0.38 |
| | | | NaHJ 70.128* | **536582** | 230, 50 | B | 108 | 86 | 36 | 1.07 | 70 | 0.36 | EEI=A3 | | 12 | 0.38 |
| | | | NaHJ 70.158* | **169722** | 230/240, 50 | B | 108 | 86 | 42 | 1.23 | 70 | 0.36 | EEI=A3 | | 12 | 0.38/0.37 |
| | | | NaHJ 70.128* | **538830** | 230/240, 50 | B | 108 | 86 | 36 | 1.07 | 70/75 | 0.36 | EEI=A3 | | 12 | 0.38/0.37 |
| | | | NaHJ 70.158 | **546817** | 240, 50 | B | 108 | 86 | 42 | 1.23 | 70 | 0.36 | EEI=A3 | | 12 | 0.37 |
| 70 | HS, HI | 0.98 | NaHJ 100/70.519 | **507628** | 230, 50 | B | 145 | 120 | 75 | 2.03 | 60 | 0.36 | **A2** | | 12 | 0.38 |
| 100 | HS, HI | 1.20 | | | | | | | | | 70 | 0.41 | **A2** | | 12 | 0.55 |
| 70 | HS, HI | 0.98 | NaHJ 100/70.703* | **504131** | 230, 50 | B | 117 | 92 | 48 | 1.39 | 60 | 0.37 | EEI=A3 | | 12 | 0.38 |
| 100 | HS, HI | 1.20 | | | | | | | | | 70 | 0.43 | EEI=A3 | | 12 | 0.55 |
| 100 | HS, HI | 1.20 | NaHJ 100.213 | **554005** | 230/240, 50 | B | 117 | 92 | 55 | 1.55 | 60 | 0.41 | **A2** | | 12 | 0.55/0.53 |
| | | | NaHJ 100.941* | **543349** | 230, 50 | B | 108 | 86 | 42 | 1.23 | 75 | 0.42 | EEI=A3 | | 12 | 0.55 |
| | | | NaHJ 100.941* | **502799** | 230/240, 50 | B | 108 | 86 | 42 | 1.23 | 75/80 | 0.42 | EEI=A3 | | 12 | 0.55/0.53 |
| 100 | HS, HI | 1.20 | NaHJ 150/100.923 | **563876** | 230, 50 | C | 135 | 115 | 68 | 2.87 | 30 | 0.40 | **A2** | | 12 | 0.55 |
| 150 | HS, HI | 1.80 | | | | | | | | | 45 | 0.40 | **A2** | | 20 | 0.77 |
| 100 | HS, HI | 1.20 | NaHJ 150/100.973* | **504135** | 230, 50 | B | 145 | 120 | 75 | 2.02 | 55 | 0.41 | **A2** | | 12 | 0.55 |
| 150 | HS, HI | 1.80 | | | | | | | | | 75 | 0.41 | EEI=A3 | | 20 | 0.77 |
| 150 | HS, HI | 1.80 | NaHJ 150.166 | **562450** | 230/240, 50 | B | 160 | 135 | 95 | 2.5 | 50 | 0.40 | **A2** | | 20 | 0.77/0.74 |
| | | | NaHJ 150.355 | **539270** | 220, 50 | B | 145 | 120 | 75 | 2.02 | 65 | 0.39 | EEI=A3 | | 20 | 0.80 |
| | | | NaHJ 150.620* | **536593** | 230, 50 | B | 145 | 120 | 64 | 1.80 | 70 | 0.40 | EEI=A3 | | 20 | 0.77 |
| | | | NaHJ 150.995* | **169721** | 230/240, 50 | B | 145 | 120 | 75 | 2.02 | 70 | 0.40 | EEI=A3 | | 20 | 0.77/0.74 |
| | | | NaHJ 150.620* | **538831** | 230/240, 50 | B | 145 | 120 | 64 | 1.80 | 70/75 | 0.40 | EEI=A3 | | 20 | 0.77/0.74 |
| | | | NaHJ 150.620 | **537763** | 240, 50 | B | 130 | 105 | 64 | 1.80 | 75 | 0.40 | EEI=A3 | | 20 | 0.74 |
| | | | NaHJ 150.679 | **526616** | 220, 60 | B | 145 | 120 | 75 | 2.02 | 65 | 0.42 | EEI=A3 | | 16 | 0.80 |
| 250 | HS, HI | 3.00 | NaHJ 250.915* | **505054** | 230, 50 | B | 180 | 155 | 110 | 2.84 | 80 | 0.40 | EEI=A3 | | 32 | 1.26 |
| | | | NaHJ 250.340* | **542349** | 230/240, 50 | B | 180 | 155 | 110 | 2.84 | 80 | 0.39 | EEI=A3 | | 32 | 1.26 |
| | | | NaHJ 250.340 | **508723** | 240, 50 | B | 180 | 155 | 110 | 2.84 | 80 | 0.39 | EEI=A3 | | 32 | 1.26 |

* Ballasts without CE marking for replacements or markets outside of the EU