

TECHNICAL SPECIFICATIONS

BALLAST TYPE: VS-MH 400 1776-3 (Without thermal protection)
VS-MH-T 400 1776-3 (Without thermal protection)

FINISHING: Core and coil

APPLICATION: HPS 400W / 4,6A & MH 400W / 4,2A lamps.

1. Electrical data

Line voltage (Un +/- 10%)	V	230
Line frequency Hz 50	Hz	50
Ballast-Lamp Power factor	P.F.	0,42
Lamp current at Un	A	4,6(HPS) / 4,2(MH)
Maximum starting current at 106% Un in low power factor units	A	7,5(HPS) / 8,2(MH)
Line starting current in high power factor units	A	3,3(HPS) / 3,6(MH)
Steady state line current in high power factor units	A	2,2(HPS) / 2,2(MH)
Power losses (maximum)	W	44
Power factor correction capacitor	μF	45
Energy efficiency Index	EEI	EEI=A2
Electrical Insulation classification	-	Class 1

2. Thermal data

Temperature increment (Δt)	°C	75
Maximum winding temperature (t_w)	°C	130

3. Compatible ignitors

22CV (Only HPS), R-23CV (Only HPS), MR-22V, RL-23V	Impulser or semiparalel
HT-23	Timed Impulser or semiparalel
MRi-22 plus	Independent or superimposed pulse
MRi-23C plus	Timed Independent or superimposed pulse

4. Mechanical data

Dimensions (length x width x height)	Standard case	mm	152 x 105 x 87
	Short case		105 x 105 x 87
Distance between fixing points	Standard case	mm	142 x 72
	Short case		96 x 72
Approximate weight	Kg		2,0
Maximum connection wires section	mm ²		2,5
Average lifetime	Years		10
Protection index	IP		00

5. Manufacture materials

Core	FeV 400-50HA
Coil base	Polyamide with F.G. 30%
Wire insulation	Class H 200°C
Impregnation compound	Epoxy resin class 180°C

6. Waste disposal / Environment normatives

RAEE	Exempted product
WEEE	Exempted product
RoHS	Compliant
REACH	Compliant

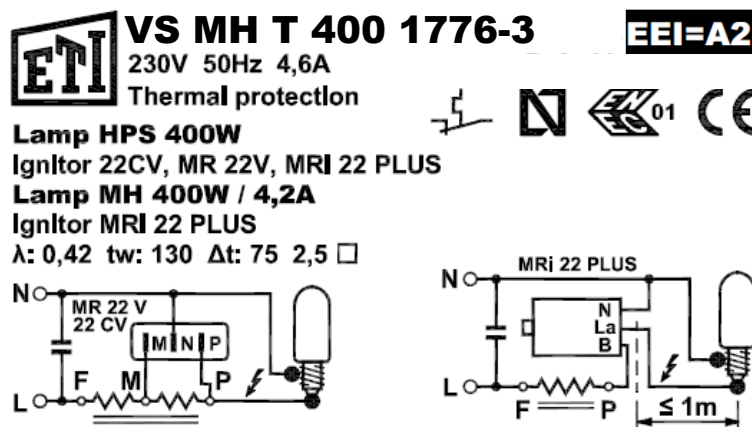
7. Energy efficiency

RD 1890/2008 ITC-EA-04, EUP 2017

8. Standards / Approvals

EN 61347-1, EN 61347-2-9, EN 60923, ENEC, N, CE

9. Wiring diagram



Versions for other line voltages and frequencies are available.