

Selection Table: Single Phase, Encapsulated

Group 1: 240 x 480 Primary, 120/240 Secondary, 60 Hz



kVA	Catalog Number Group I Rolled Steel	Catalog Number Group II Stainless Steel	Height (inch)	Width (inch)	Depth (inch)	Approx. Ship Weight (lbs)	Design Style**	Elec Conn*	Primary Amps	Secondary Amps
Non-Encapsulated										
.050	HS1B50	N/A	6	4	3	3	2	15	.208/.104	4.16/2.08
.075	HS1B75		6	4	3	3	2	15	.312/.156	6.25/3.12
.100	HS1B100		6	4	3	4	2	15	.417/.208	8.33/4.17
.150	HS1B150		8	4	4	5	2	15	.625/.313	1.25/.625
.250	HS1B250		8	4	4	8	2	15	1.04/.512	2.08/1.04
Encapsulated										
0.5	HS1F500B	HSS1F500B	10	6	5	22	3	15	2.08/1.04	4.16/2.08
0.75	HS1F750B	HSS1F750B	10	6	5	27	3	15	3.13/1.56	6.25/3.13
1	HS1F1BS	HSS1F1BS	10	6	5	28	3	16	4.17/2.08	8.33/4.17
1.5	HS1F1.5AS	HSS1F1.5AS	12	10	7	38	4	16	6.25/3.13	12.5/6.25
2	HS1F2AS	HSS1F2AS	12	10	7	45	4	16	8.33/4.17	16.7/8.33
3	HS5F3AS	HSS5F3AS	12	10	7	55	4	17	12.5/6.25	25.0/12.5
5	HS5F5AS	HSS5F5AS	17	14	9	131	4	17	20.8/10.4	41.6/20.8
7.5	HS5F7.5AS	HSS5F7.5AS	17	14	9	156	4	18	31.3/15.6	62.5/31.3
10	HS5F10AS	HSS5F10AS	17	14	9	156	4	18	41.7/20.8	83.3/41.7
15	HS5F15AS	HSS5F15AS	30	29	12	549	4	18	62.5/31.2	125.0/62.5
25	HS5F25AS	HSS5F25AS	30	29	12	637	4	18	104.0/52.0	208.0/104.0

Group 2: 600 Volt Primary, 120/240 Secondary, 60 Hz



kVA	Catalog Number Group 1 Rolled Steel	Catalog Number Group 2 Stainless Steel	Height (inch)	Width (inch)	Depth (inch)	Ship Weight Approx. (lbs)	Design Style*	Elec Conn*	Primary Amps	Secondary Amps
Non-Encapsulated										
.100	HS10B100	N/A	6	4	3	4	2	21	0.167	.833/.417
.150	HS10B150		8	4	4	5	2	21	0.25	1.25/.625
.250	HS10B250		8	4	4	8	2	21	0.417	2.08/1.04
Encapsulated										
.500	HS10F500B	HSS10F500B	10	6	5	22	3	21	0.833	4.16/2.08
.750	HS10F750B	HSS10F750B	10	6	5	23	3	21	1.25	6.25/3.13
1	HS10F1BS	HSS10F1BS	10	6	5	28	3	21	1.67	8.33/4.17
1.5	HS10F1.5AS	HSS10F1.5AS	12	10	7	38	4	21	2.5	12.5/6.25
2	HS10F2AS	HSS10F2AS	12	10	7	60	4	21	3.33	16.7/8.33
3	HS10F3AS	HSS10F3AS	12	10	7	66	4	22	5.0	25.0/12.5
5	HS10F5AS	HSS10F5AS	17	14	9	100	4	22	8.3	41.6/20.8
7.5	HS10F7.5AS	HSS10F7.5AS	17	14	9	135	4	22	12.5	62.5/31.3
10	HS10F10AS	HSS10F10AS	17	14	9	150	4	22	16.7	83.3/41.7

Note:

* Design Style and Electrical Connections can be found on pages 204-205.

Automation Transformers - Non-Ventilated 50 VA to 45 kVA

SolaHD encapsulated transformers are rated for Hazardous Locations (Class 1, Division 2, Group A-D) as well as harsh industrial environments. Encapsulation and rugged NEMA 3R enclosures protect the transformer from dust, moisture, and provide extra shock and vibration resistance. SolaHD UL listed transformers fully comply with the latest addition of the National Electrical Code for Class 1, Division 2, Group A-D locations when installed in compliance with NEC 501.100(B).

Features

Single Phase: .05 – .250 kVA

- UL-3R non encapsulated enclosure for indoor and outdoor service
- Low temperature rise, UL Class 130°C or 180°C insulation system, 80°C temperature rise under full load
- Conduit knockouts for side entry into wiring compartment
- Copper lead wire terminations
- Class 1, Division 2

Single Phase: 0.500 – 25 kVA

Three Phase: 3 – 45 kVA

- UL-3R encapsulated enclosure for indoor and outdoor service
- Electrostatically shielded for quality power on sizes 1 kVA and larger
- UL Class 180°C or 200°C insulation system, 115°C temperature rise under full load
- Conduit knockouts for side entry into wiring compartment
- Copper lead wire terminations
- .500 - 45 kVA units are encapsulated with electrical grade silica and epoxy for industrial applications



Related Products

- Some SolaHD DC power supplies are available with Class 1, Division 2 ratings or encapsulation.
- Surge Protective Devices

Accessories and Optional Design Styles*

- Wall mounting brackets (500 lbs maximum) (Item WB1C)
- Weather Shields
- Stainless Steel Enclosures
- Totally enclosed non-ventilated designs (TENV)
- Open core and coil designs
- Copper Wound designs
- NEMA 4/12 or 4X Encapsulated Enclosures
- Low temperature designs available.

*Not all optional designs are UL listed. Contact Technical Services.

Note: Weights and dimensions may change and should not be used for construction purposes.