

HPS TITAN® STANDARD FEATURES

Features	Single Phase	Three Phase
Voltage Groups	5 standard voltage groups	5 standard voltage groups
Ratings	0.5 kVA to 37.5 kVA	2 kVA to 150 kVA
Frequency	60 Hz (50/60 Hz on units with 380V primary)	60 Hz (50/60 Hz on units with 380V primary)
Electrostatic Shield	Optional on 0.50 kVA Standard on 0.75 kVA to 37.5 kVA	Standard on all units
Encapsulated	All units are encapsulated with electrical grade silica sand and resin compounds	
Enclosure	Heavy Duty Type 3R Optional Type 4, 4X (stainless steel) and 12	Heavy Duty Type 3R Optional Type 4, 4X (stainless steel) and 12 Optional gasket kit
Terminations	Front accessible separated high and low voltage lead wires or copper tabs	Top accessible separate high and low voltage lead wires or copper tabs
Insulation System	130°C (80°C rise) up to 1 kVA - standard 180°C (115°C rise) 1.5 kVA to 37.5 kVA - standard 180°C (80°C rise) 1.5 kVA to 37.5 kVA - optional	130°C (80°C rise) up to 5 kVA - standard 180°C (115°C rise) 6 kVA to 150 kVA 180°C (80°C rise) 6 kVA to 150 kVA - optional
Mounting	Standard wall mounting with keyhole mounting slots. Lifting provisions standard from 5 kVA to 37.5 kVA.	Standard wall mounting with keyhole mounting slots 2 kVA to 15 kVA (Optional wall mounting kit available for 30 kVA and 45 kVA). Floor Mounted 25 kVA to 150 kVA. Lifting provisions standard on 6 kVA to 150 kVA.
Conduit Knockouts	For rear and side entry into an easily accessible and spacious wiring compartment.	
Approvals	ANSI/ISA 12.12.10 - File No. E258346 (Class 1, Division 2, Groups A, B, C, D, and Class I, Zone 2, Group IIC, T3 Hazardous Locations) T3C Temperature Classification for 80°C rise units T3A Temperature Classification for 115°C rise units UL 508 Listed - File No. E258346 UL Certificate No. 04-HS435190/1-PDA (Marine Duty Service and Offshore Applications) ABS Type Approval	
Warranty	All HPS standard catalog encapsulated transformers come with a 10 year limited warranty (Please refer to the HPS standard Catalog Transformer Products Warranty for full details)	

OPTIONS AND ACCESSORIES

The following options and accessories are available on all standard and custom three phase encapsulated hazardous location transformers.

Optional Type 4/12 Gasket Kits

Previously ordered three phase HPS Titan® encapsulated transformers in standard Type 3R rated NQT enclosures can easily be converted to a Type 4 or 12 rating by ordering and installing the appropriate gasket kit as listed in the table on page 6.

Optional Stainless Steel Enclosure

Optional Type 4 rated NQT stainless steel enclosures are identical to the standard steel enclosure designs, but are designed using Type 316 stainless steel in accordance with ANSI, NEMA, UL and ABS requirements for indoor, outdoor and marine duty applications. If your application calls for a HPS Titan® Series unit in a stainless steel enclosure, just add the suffix '7' to the end of the standard HPS part number. (e.g. P045KBKF is a standard unit. For stainless steel change the part number to P045KBKF7.)

SINGLE PHASE PRODUCT SPECIFICATIONS

208/240/277V Primary, 120/240V Sec. 60 Hz

kVA Rating	Catalog Number	Case Style	Approx. Weight
0.50	QC50YECB	NQ2	19
0.75	QC75YEKB	NQ2	21
1	Q1C0YEKF	NQ3	28
1.5	Q1C5YEKF	NQ3	36
2	Q002YEKF	NQ4	44
3	Q003YEKF	NQ4	56
5	Q005YEKF	NQ5	134
7.5	Q007YEKF	NQ5	160
10	Q010YEKF	NQ6	204
15	Q015YEKF	NQ6	248
25	Q025YEKF	NQ7	345
37.5	Q037YEKF	NQ8	476

600V Primary, 120/240V Sec. 60 Hz

kVA Rating	Catalog Number	Case Style	Approx. Weight
0.50	QC50PECB	NQ2	15
0.75	QC75PEKB	NQ2	18
1	Q1C0PEKF	NQ3	27
1.5	Q1C5PEKF	NQ3	31
2	Q002PEKF	NQ4	40
3	Q003PEKF	NQ4	52
5	Q005PEKF	NQ5	114
7.5	Q007PEKF	NQ5	129
10	Q010PEKF	NQ6	197
15	Q015PEKF	NQ6	234
25	Q025PEKF	NQ7	285
37.5	Q037PEKF	NQ8	454



347/380V Primary, 120/240V Sec. 50/60 Hz

kVA Rating	Catalog Number	Case Style	Approx. Weight
0.50	QC50FECB	NQ2	18
0.75	QC75FEKB	NQ2	20
1	Q1C0FEKB	NQ3	26
1.5	Q1C5FEKF	NQ3	36
2	Q002FEKF	NQ4	55
3	Q003FEKF	NQ5	88
5	Q005FEKF	NQ5	130
7.5	Q007FEKF	NQ6	145
10	Q010FEKF	NQ6	155
15	Q015FEKF	NQ6	248
25	Q025FEKF	NQ7	345
37.5	Q037FEKF	NQ8	476



Export* Primary, 120/240V Sec. 50/60 Hz

kVA Rating	Catalog Number	Case Style	Approx. Weight
0.50	QC50XECB	NQ2	15
0.75	QC75XEKB	NQ2	20
1	Q1C0XEKB	NQ3	32
1.5	Q1C5XEKF	NQ3	35
2	Q002XEKF	NQ4	54
3	Q003XEKF	NQ5	105
5	Q005XEKF	NQ5	138
7.5	Q007XEKF	NQ6	189
10	Q010XEKF	NQ6	222
15	Q015XEKF	NQ7	300
25	Q025XEKF	CF	CF
37.5	Q037XEKF	CF	CF

CF = consult factory

240 X 480V Primary, 120/240V Sec. 60 Hz

kVA Rating	Catalog Number	Case Style	Approx. Weight
0.50	QC50LECB	NQ2	23
0.75	QC75LEKB	NQ2	24
1	Q1C0LEKB	NQ3	28
1.5	Q1C5LEKF	NQ3	35
2	Q002LEKF	NQ4	47
3	Q003LEKF	NQ4	62
5	Q005LEKF	NQ5	131
7.5	Q007LEKF	NQ5	155
10	Q010LEKF	NQ6	220
15	Q015LEKF	NQ6	248
25	Q025LEKF	NQ7	345
37.5	Q037LEKF	NQ8	476

*Export = 190/200/208/220/240¹ X 380/400/415/440/480¹ Primary Volts

Note 1: The primary voltage ratio of 240 or 480 is available at 60Hz only with secondary voltage of approximately 130/262V.

Note: For shielded units 0.50 kVA, replace the suffix "CB" with a "KB"

Units ending with letter "B" are 80°C rise

Units ending with letter "F" are 115°C rise; 80°C rise optional replace end suffix "F" with "B"

80°C rise units are T3C; 115°C rise units are T3A.