

Land Drilling Duty Transformers

HPS Land Drilling Transformers

HPS land drilling transformers have been specifically designed and built for the land drilling market. These innovative designs provide ideal solutions for the drilling environment, where quality, ease of installation and durability are key.

HPS dry-type land drilling transformers feature the industry's best technology and manufacturing processes. They feature designs that are built to withstand the vibration and shock associated not only with the difficult day-to-day drilling conditions, but also the transportation between job sites. These features include:

- Heavy-duty core & coil and frame construction
- Heavy-duty HV and LV cable supports
- Rugged Type 3R enclosures with heavy-duty enclosure supports
- Strapping and tie-down provisions

Standard Distribution Transformers from 15 kVA to 1500 kVA for auxiliary power are also available and stocked.



Standard Features



Features	Three Phase
High Voltage	600V Delta
Low Voltage	480V Delta
Ratings (kVA)	500, 750, 1000, 1250, 1500
HV Taps	500-1000kVA: 2 at 2.5% FCAN and 2 at 2.5% FCBN, 1250-1500kVA: 2 at 3% FCAN and 2 at 3% FCBN
Winding	Aluminum or Copper
Frequency	60 Hz
Insulation Class	220°C insulation class
Temperature Rise	150°C and 130°C
Nameplate	Standard stainless steel nameplate
Harmonic (k-factor) Rating	Suitable for non-linear loads not to exceed K4
Duty	Land Drilling
Approvals	UL, CSA, CE
Enclosure Rating	Type 3R
Warranty	1 year
Standard Convenience Features	
Fork Lift Provisions	Designed to provide easy access to safe and reliable lifting, moving and installation
Enclosure Knockouts	For easy rear and side access into roomy wiring compartment
Provisions for Fans	6 brackets (shipped, but not installed) to allow for field installation of optional fan kits (for fresh air augmentation only).
Enclosure Tie Downs	For safe and secure enclosure strapping to prevent enclosure damage during transportation (not to be used for lifting).
Transformer Tie Downs	Provides for additional transformer attachment during transportation and installation (not to be used for lifting).
Provisions for Heaters	4 brackets (shipped, but not installed) to allow for easy field installation of strip heater kits.



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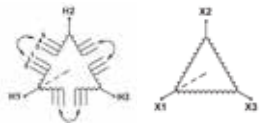
Options & Accessories

- Custom voltage and kVA ratings available
- Type 3RE enclosures (enhanced 3R enclosures with filters and/or baffles)
- Fan Kits (used for fresh air augmentation only)
- Strip Heater Kits

Three Phase Specifications

600 Primary 480 Secondary

Aluminum



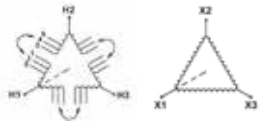
60 Hz

kVA Rating	Catalog Number	Temperature Rise	Insulation Class	Impedance	Enclosure Style	Width	Height	Depth	Weight
500	MK500PTAH3R	150°C	220°C	5-7%	NJ2	48.5	63	38.75	2450
750	MK750PTAH3R	150°C	220°C	5-7%	NJ3	51.5	70	43.75	3400
1000	MK1000PTAH3R	150°C	220°C	5-7%	NJ6	64	68	44.75	4400
1250	MK1250PTAH3R	150°C	220°C	5-7%	NJ7	64	68	51.75	5500
1500	MK1500PTAH3R	150°C	220°C	5-7%	NJ7	64	68	51.75	7200

kVA Rating	Catalog Number	Temperature Rise	Insulation Class	Impedance	Enclosure Style	Width	Height	Depth	Weight
500	MK500PTAN3R	130°C	220°C	5-7%	NJ2	48.5	63	38.75	2550
750	MK750PTAN3R	130°C	220°C	5-7%	NJ3	51.5	70	43.75	3700
1000	MK1000PTAN3R	130°C	220°C	5-7%	NJ6	64	68	44.75	4800
1250	MK1250PTAN3R	130°C	220°C	5-7%	NJ7	64	68	51.75	5600
1500	MK1500PTAN3R	130°C	220°C	5-7%	NJ7	64	68	51.75	7550

600 Primary 480 Secondary

Copper



60 Hz

kVA Rating	Catalog Number	Temperature Rise	Insulation Class	Impedance	Enclosure Style	Width	Height	Depth	Weight
500	MK500PTCH3R	150°C	220°C	5-7%	NJ2	48.5	63	38.75	3000
750	MK750PTCH3R	150°C	220°C	5-7%	NJ3	51.5	70	43.75	3750
1000	MK1000PTCH3R	150°C	220°C	5-7%	NJ6	64	68	44.75	5200
1250	MK1250PTCH3R	150°C	220°C	5-7%	NJ7	64	68	51.75	6400
1500	MK1500PTCH3R	150°C	220°C	5-7%	NJ7	64	68	51.75	8150

kVA Rating	Catalog Number	Temperature Rise	Insulation Class	Impedance	Enclosure Style	Width	Height	Depth	Weight
500	MK500PTCN3R	130°C	220°C	5-7%	NJ2	48.5	63	38.75	3100
750	MK750PTCN3R	130°C	220°C	5-7%	NJ3	51.5	70	43.75	4100
1000	MK1000PTCN3R	130°C	220°C	5-7%	NJ6	64	68	44.75	5300
1250	MK1250PTCN3R	130°C	220°C	5-7%	NJ7	64	68	51.75	6250
1500	MK1500PTCN3R	130°C	220°C	5-7%	NJ7	64	68	51.75	8350

Enclosures

