

1.2KV to 5KV CLASS DISTRIBUTION TRANSFORMERS

HPS Millennium™ energy efficient medium voltage distribution transformers are designed for stepping down incoming higher voltage power to utilize voltages for commercial, institutional or industrial applications. The standard NEMA 3R ventilated construction is suitable for indoor or outdoor applications.

ALUMINUM & COPPER WOUND STANDARD SPECIFICATIONS



SINGLE PHASE



THREE PHASE

	15 to 333 kVA	15 to 1500 kVA
Efficiency (where applicable)	Meets U.S. DOE CFR Part 431 and the Canadian Efficiency Regulations efficiency levels at 50% of rated load. Efficiencies are calculated under a linear load profile.	
UL Listed	File: E147879	File: E147879
CSA Certified	File: LR3902	File: LR3902
Frequency	60 Hz	60 Hz
Insulation System	220°C (150°C rise) 200°C (130°C rise) on some copper units (Optional 115°C and 80°C rise available)	220°C (150°C rise) 200°C (130°C rise) on some copper units (Optional 115°C and 80°C rise available)
Enclosure Type	Heavy Duty Ventilated NEMA Type 3R (Optional NEMA 4, 4X and 12 available)	Heavy Duty Ventilated NEMA Type 3R (Optional NEMA 4, 4X and 12 available)
Enclosure Finish	ANSI 61 Grey, UL50	ANSI 61 Grey, UL50
Standard Primary Taps	Refer to wiring diagrams for details.	Refer to wiring diagrams for details.
Termination	Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation.	Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation.
Conduit Knock-Outs	Standard on most units up to 100 kVA.	Standard on units up to 150 kVA
Impedance	Typically 2 to 5%	Typically 3 to 6%
Mounting	Floor or wall/ceiling mounting available. Refer to selection tables for details.	Floor or wall/ceiling mounting available. Refer to selection tables for details.
Seismic	Seismically certified in accordance with 2009 IBC for $S_{Ds} \leq 2.00g$, $z/h = 1.0$ and $I_p = 1.5$	Seismically certified in accordance with 2009 IBC for $S_{Ds} \leq 2.00g$, $z/h = 1.0$ and $I_p = 1.5$

Other voltages not listed in this section are available upon request for both aluminum and copper wound units. Please contact customer service for details, price and availability.

SECTION 10

