

PARAMETER		DATA						UNITS	
Electrical Rating	Type	Dry Type, Harmonic Treatment Isolation Transformer							
	Power	150 (60Hz)						kVA	
	Primary	600 (Nominal)						Volts	
	Primary Taps	2 x 2 ½ % FCAN, 2 x 2 ½ % FCBN						%	
	Secondary	208/120 (no load)						Volts	
	Phase Shift	0 (Primary/Secondary)						Degrees	
	Load Compatibility	K13						K-Factor	
Construction	Connection	Primary: 3 Ph 3-Wire, Secondary: 3 Ph. 4 -Wire							
	Neutral Bus Rating	200% of Line Current							
	Type	Low Voltage, Dry							
	Coils	Copper, Braised Internal Connections							
	Core	3-Leg, Very Low Loss Grain Oriented Steel							
	Insulation Class	220 (UL Listed)							
	Insulation	Nomex – 20 mil min. Primary/Secondary							
	Impregnation / Properties	Epoxy Copolymer: Build > 2 mils @ 3.2 kV/mil (dielectric); H ₂ O absorption < 0.05%; Curing VOC < 1.65 lbs/gal.							
Losses	Linear Loading	no load	15%:	25%:	35%:	50%:	75%:	100%:	%
	Watt Loss	274	325	419	564	892	1,810	3,393	Watts
	Heat	935	1,109	1,430	1,925	3,044	6,176	11,577	BTU/hr
Efficiency	Per NEMA TP-2 (35% Load)	98.9 (NEMA TP-1 requirement 98.3 %) (DOE 10 CFR Part 430 CSL3 requirement 98.9 %)							
	Linear Loading	1/6: 98.5	1/4: 98.9	1/2: 98.8	3/4: 98.4	1/1: 97.7		%	
	Non-linear (K13)	1/6: 98.4	1/4: 98.7	1/2: 98.5	3/4: 97.8	1/1: 97.0			
Operation	Temperature Rise	< 115 (full linear load)						°C	
	Excitation	0.835						Amps	
	Audible Noise	50 (per NEMA ST-20)						dBA	
	Ambient	40 °C (per ANSI C57.96-01.100)						°C	
	B.I.L.	10						kV	
Harmonic Treatment	Transformer secondary System (common coupling)	Triplens: 3 rd , 9 th , 15 th 5 th , 7 th , 17 th and 19 th with complimentary 30 degree transformer							
Abnormal	Short Circuit	Primary	2,905 (Sym. O/P Short circuit)				Amps		
		Secondary	11,732 (Asymmetrical L-N/G Short Circuit)						
		Inrush	465 (typ. 3 cycle recovery)						
Impedance	Z: (+/- Sequence)		Z:	5.4	X:	5.0	R:	1.8	%
	Zo: (IEEE C57.12.91-1995/9.5.1)		Zo:	0.88	Xo:	0.32	Ro:	0.81	
Mechanical	Enclosure	Type	N3R (Rain Shield): Vermin resistant with < ½" wide openings						
		Finish	Green Epoxy Powder Coating						
		Drawing	D-Case / 300-000068-404 (attached)						
		Weight	1,250						lbs
Certification /Approvals	ISO Certifications		ISO 9001-2000: Quality Management System ISO 14001-2004: Environmental Management System						
	UL/CSA / Specifications		UL 1561 Listed, CSA C22.2 No. 47-M90 Certified, NEMA ST-20						
Options: (Supplied only when marked with 'X')	X	Electrostatic Shield	> 60 (CM Attenuation @ 10kHz)						dB
		Thermal Sensors	N.C. Dry Contacts @ 170 °C & 200 °C						
		TVSS	Surge Protection						
		SMART-1	Monitoring Port						



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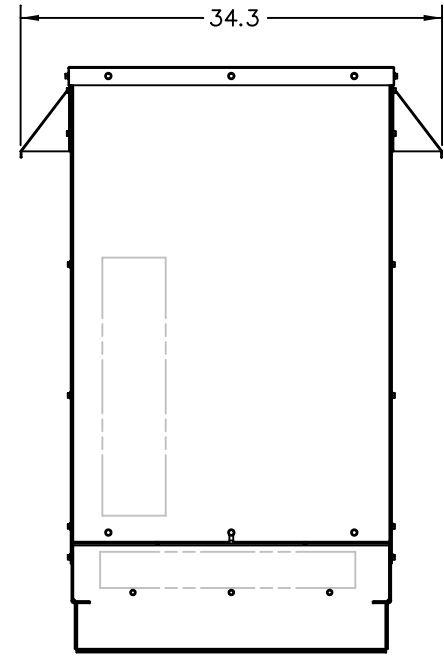
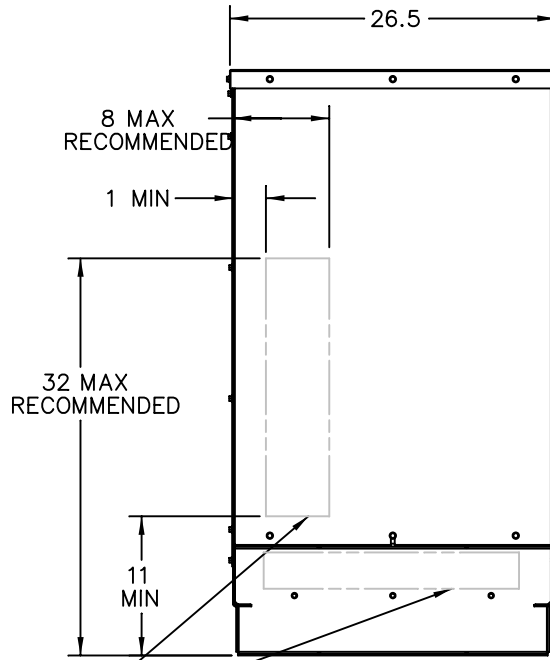
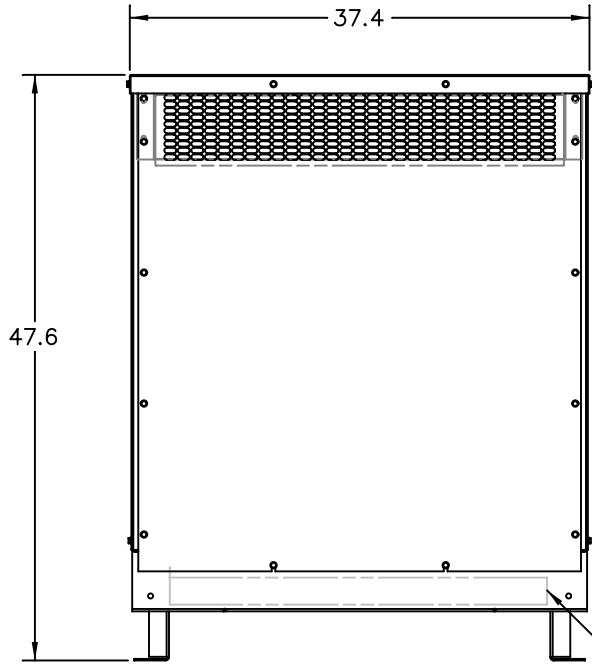
DATA SHEET

MODEL:

HMT-C3-150-0-600-208

Prepared: N.Xie	Date: 09 May 08	Doc. No: 200-002355-800	Part No: 200-002355-100
Approved:	Date:	Rev. Date: 09 May 08	By: N.Xie Rev: A02

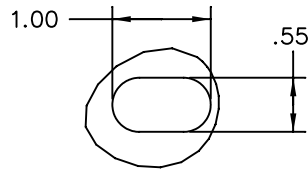
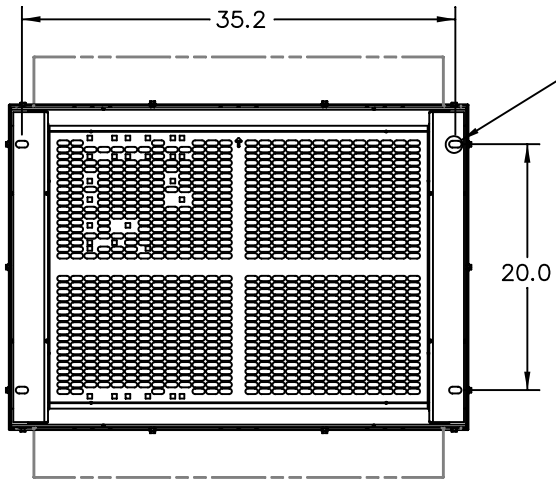
REV	ECO No.	DESCRIPTION
A00		RELEASED
A01		ADDED -3R SIDE VIEW
A02		INCREASED DEPTH BY 1"
A03		ADDED SUGGESTED DIMENSIONS FOR SIDE PANEL ACCESS



CONDUIT ACCESS

NEMA TYPE-1 (STANDARD)

NEMA TYPE-3R (OPTION WHEN SPECIFIED)
NOTE: RAIN SHIELDS INSTALLED AT SITE



DETAIL A
SCALE 1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.		BY	DATE	E-FACTOR
TOLERANCES ARE:		APPROVED	DT 08-Sep-01	
1-PLACE DECIMAL	: ± .03 ± .8	APPROVED		
2-PLACE DECIMAL	: ± .010 ± .25	APPROVED		
3-PLACE DECIMAL	: ± .005 ± .10	APPROVED		TITLE
ANGULAR	: ± 1/2° ± 1/2°	APPROVED		OUTLINE, D CASE
SURFACE FINISH	: 125 ✓	APPROVED		DRAWING NO.
MATERIAL		UNLESS OTHERWISE NOTED REMOVE ALL BURRS AND SHARP EDGES		300-000068-404
FINISH		DO NOT SCALE DRAWING	REF:	SHEET 1 of 1
				REV. A03