PAD-MOUNTED TRANSFORMERS

Project Name	**Brooks-XFMR**	**Date**	**Apr 30, 2024**
Quotation Number	**202029**	**Quote Line #**	**1**

TECHNICAL SPECIFICATIONS:			
KVA Rating	2000kVA	**Application**	Outdoor
Cooling Class	KNAN	**Winding Temp. Rise**	65°C
Number of Phases	3-Phase	**Insulating Fluid**	FR3
Frequency	60 Hertz	**Winding Material**	Aluminum
HV Rating (KV)	12.47GrdY/7.2	**LV Rating (KV)**	0.600GrdY/0.346
HV BIL (KV)	95 kV	**LV BIL (KV)**	30 kV
HV L-L Current (A)	92.6	**LV L-L Current (A)**	1924.56
Tapping Ratio	±2-2½%	**Number of Taps**	5
Windings Configuration	GrdWye-GrdWye	**Vector Group**	YNyn0
Function	Step-Up	**Load-Break Switch**	2 Position
HV Termination	Dead Front	**HV Feed**	Loop Feed
LV Termination	Live Front	**LV Bushing**	Transformer to be close coupled with switchboard
Color	Munsell Green	**Efficiency (%)**	99%
Overcurrent Protection	Bayonet fuse in series with partial CLF	**Nominal Impedance (%)**	5.75 ±7.5% Tolerance
		Loop Feed Current	600A

ACCESSORIES:	
Dial-type thermometer with form “C” Contacts	Pressure Relief Valve
Liquid level gauge with form “C” Contacts	1" Upper Fill Plug
Pressure/Vacuum Gauge with form “C” Contacts	Standard Nameplate Mounted inside the LV Door
(6) 15kV 600A One-piece HV Bushing dead-break	1" Drain Valve with 3/8 Sampler
H0 porcelain bushing with removable ground strap	Electrostatic shield (externally grounded in LV Cabinet)
Cooling Radiators	Ground pads
Schrader Valve	Fully insulated LV neutral with removable ground strap
Nitrogen blanket (filled in the factory)	Pressure Relief Device (Cover Mounted)
Other Details:	
Seismic Anchoring Provision	H0 and X0 to be isolated
Transformer Throat to connect Switchboard	H0 bond externally to the tank
All gauge’s contacts wired to a set of terminals in the LV compartment	

Project Name	**Brooks-XFMR**	**Date**	**Apr 30, 2024**
Quotation Number	**202029**	**Quote Line #**	**2**

TECHNICAL SPECIFICATIONS:			
KVA Rating	2000kVA	**Application**	Outdoor
Cooling Class	KNAN	**Winding Temp. Rise**	65°C
Number of Phases	3-Phase	**Insulating Fluid**	FR3
Frequency	60 Hertz	**Winding Material**	Aluminum
HV Rating (KV)	12.47GrdY/7.2	**LV Rating (KV)**	0.600GrdY/0.346
HV BIL (KV)	95 kV	**LV BIL (KV)**	30 kV
HV L-L Current (A)	92.6	**LV L-L Current (A)**	1924.56
Tapping Ratio	±2-2½%	**Number of Taps**	5
Windings Configuration	GrdWye-GrdWye	**Vector Group**	YNyn0
Function	Step-Up	**Load-Break Switch**	2 Position
HV Termination	Dead Front	**HV Feed**	Loop Feed
LV Termination	Live Front	**LV Bushing**	Transformer to be close coupled with Switchboard
Color	Munsell Green	**Efficiency (%)**	99%
Overcurrent Protection	Bayonet fuse in series with partial CLF	**Nominal Impedance (%)**	5.75 ±7.5% Tolerance
		Loop Feed Current	200A

ACCESSORIES:	
Dial-type thermometer with form “C” Contacts	Pressure Relief Valve
Liquid level gauge with form “C” Contacts	1" Upper Fill Plug
Pressure/Vacuum Gauge with form “C” Contacts	Standard Nameplate Mounted inside the LV Door
(6) 15kV 200A HV Bushing well with removable stud	1" Drain Valve with 3/8 Sampler
(6) 15kV 200A Load-break inserts	Electrostatic shield (externally grounded in LV Cabinet)
H0 porcelain bushing with removable ground strap	Ground pads
Cooling Radiators	Fully insulated LV neutral with removable ground strap
Pressure Relief Device (Cover Mounted)	Schrader Valve
Nitrogen blanket (filled in the factory)	(3) Surge Arresters 10kV Duty Cycle, 8.4 MCOV
Other Details:	
Seismic Anchoring Provision	H0 and X0 to be isolated
Transformer Throat to connect Switchboard	H0 bond externally to the tank
All gauge’s contacts wired to a set of terminals in the LV compartment	