

FASTWORKS



BUILT TO LAST, DELIVERED FAST

A HIGH-QUALITY, HIGH-PERFORMANCE SOLUTION DESIGNED FOR THE DEMANDS OF THE UK INFRASTRUCTURE



Providing a faster deployment alternative to bespoke transformer solutions, **FastWorks** delivers trusted BRUSH quality in a pre-configured, ready-to-deploy package. Available in both 33kV and 132kV variants, **FastWorks** eliminates the need for additional engineering, and is fully compliant with IEC 60076.

Every **FastWorks** unit is designed to offer significantly shorter lead times while maintaining BRUSH's engineering excellence.

FastWorks



Reduced build cycle



Cost effective



Low-risk solution



Backed by warranty



Technical support



Ratings

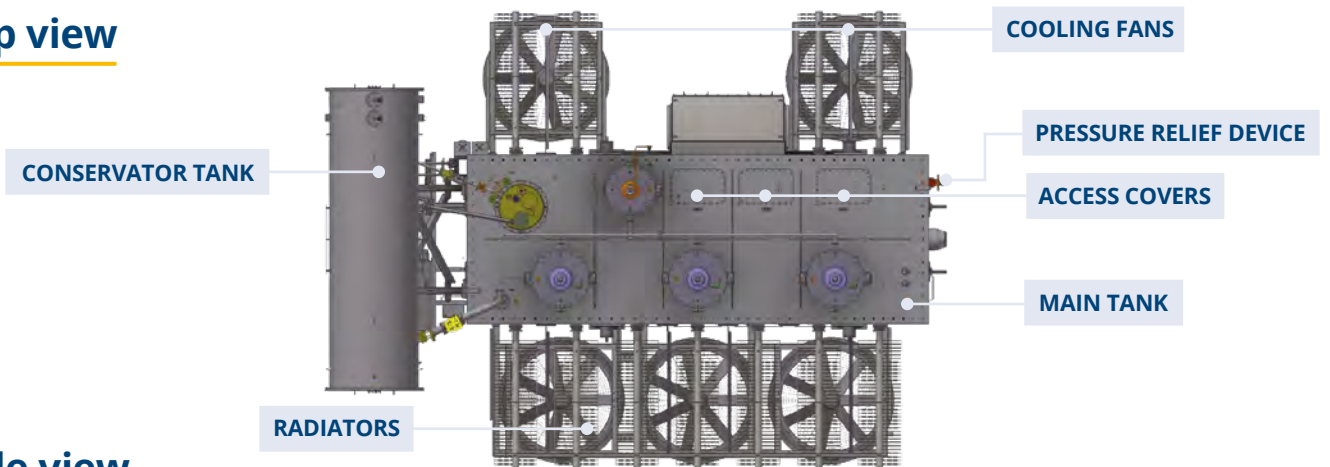
33kV

I Parameter	Value
Rated MVA	7.5/10/15
Cooling methods	ONAN/OFAF-CMR/OFAF-CER
Voltage ratio kV	33/11.5
Vector group	Dyn11
Rated frequency Hz	50
Number of phases	3
Tap range	+10%/-10% @1.25% per steps (16 steps/17 positions)
Tap changer	Bolt on vacuum on load tap changer
Losses	To comply Tier 2 EU efficiency
Noise levels	To ENA TS 35-2
HV insulation levels	170 kVp / 70 kVrms
LV insulation levels	75 kVp /28 kVrms
Cooling arrangement	Tank attached radiators
HV termination	Cable box
LV termination	Cable box
Protection devices	PRV, GOR, WTI, OTI, MOG, CT
Fittings and accessories	Radiators, fans, pumps, breather, temp sensors, valves, conservator
Protection/control panels	Marshalling kiosk, RCP, OLTC MDU, aux wiring
Service life	> 40 years
Tests	Routine and type tests as per IEC 60076
Installed weight	22.7 T
Overall dimensions (L x W x H) in mm	4350 x 3450 x 3750

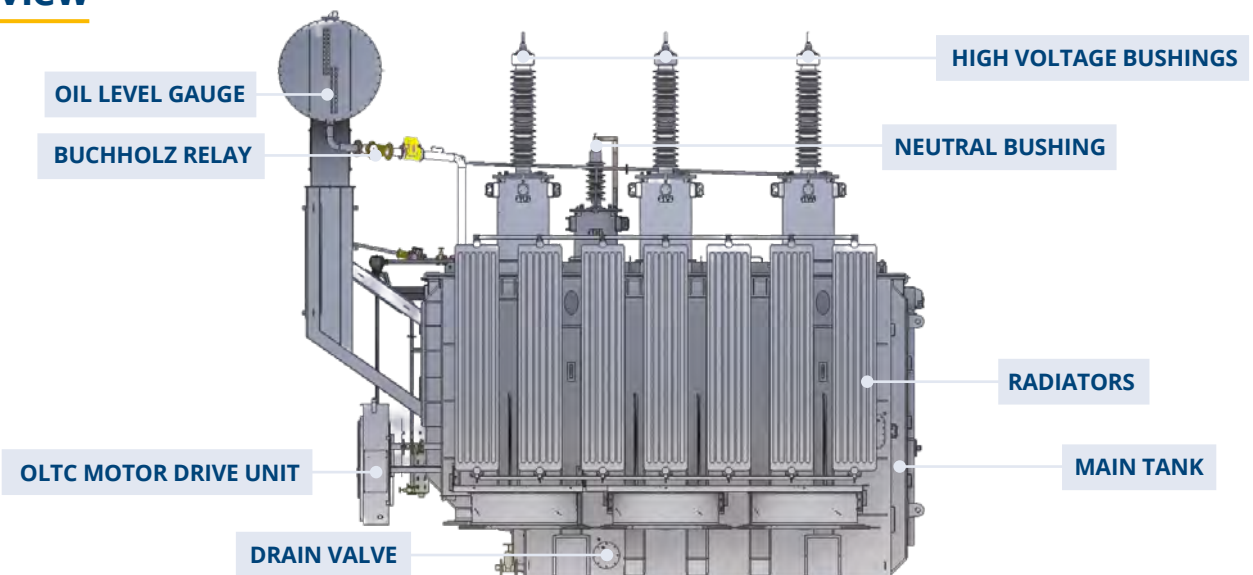
II Parameter	Value
Rated MVA	12/16/24
Cooling methods	ONAN/OFAF-CMR/OFAF-CER
Voltage ratio kV	33/11.5
Vector group	Dyn11
Rated frequency Hz	50
Number of phases	3
Tap range	+10%/-10% @1.25% per steps (16 steps/17 positions)
Tap changer	Bolt on vacuum on load tap changer
Losses	To comply Tier 2 EU efficiency
Noise levels	To ENA TS 35-2
HV insulation levels	170 kVp / 70 kVrms
LV insulation levels	75 kVp /28 kVrms
Cooling arrangement	Tank attached radiators
HV termination	Cable box
LV termination	Cable box
Protection devices	PRV, GOR, WTI, OTI, MOG, CT
Fittings and accessories	Radiators, fans, pumps, breather, temp sensors, valves, conservator
Protection/control panels	Marshalling kiosk, RCP, OLTC MDU, aux wiring
Service life	> 40 years
Tests	Routine and type tests as per IEC 60076
Installed weight	30.6 T
Overall dimensions (L x W x H) in mm	4600 x 3700 x 3950

Parameter	Value
Rated MVA	20/25/40
Cooling methods	ONAN/OFAF-CMR/OFAF-CER
Voltage ratio kV	33/11.5
Vector group	Dyn11
Rated frequency Hz	50
Number of phases	3
Tap range	+10%/-10% @1.25% per steps (16 steps/17 positions)
Tap changer	Bolt on vacuum on load tap changer
Losses	To comply Tier 2 EU efficiency
Noise levels	To ENA TS 35-2
HV insulation levels	170 kVp / 70 kVrms
LV insulation levels	75 kVp / 28 kVrms
Cooling arrangement	Tank attached radiators
HV termination	Cable box
LV termination	Cable box
Protection devices	PRV, GOR, WTI, OTI, MOG, CT
Fittings and accessories	Radiators, fans, pumps, breather, temp sensors, valves, conservator
Protection/control panels	Marshalling kiosk, RCP, OLTC MDU, aux wiring
Service life	> 40 years
Tests	Routine and type tests as per IEC 60076
Installed weight	39.4 T
Overall dimensions (L x W x H) in mm	5000 x 3800 x 4050

Top view



Side view



132kV

Parameter	Value
Rated MVA	60/90
Cooling methods	ONAN/OFAF-CMR
Voltage ratio kV	132/33
Vector group	YNd11 / YNd1
Rated frequency Hz	50
Number of phases	3
Tap range	+10%/-20% @1.67% per steps (18 steps/19 positions)
Tap changer	In tank vacuum on load tap changer
Losses	To comply Tier 2 EU efficiency
Noise levels	To ENA TS 35-3
HV insulation levels	650 kVp / 230 kVrms – 95 kVp / 38 kVrms graded insulation
LV insulation levels	170 kVp / 70 kVrms
Cooling arrangement	Tank attached radiators
HV termination	Outdoor bushings
LV termination	Cable box
Protection devices	PRV, GOR, WTI, OTI, MOG, CT
Fittings and accessories	Radiators, fans, breather, temp sensors, valves, conservator
Protection/control panels	Marshalling kiosk, RCP, OLTC MDU, aux wiring
Service life	> 40 years
Tests	Routine and type tests as per IEC 60076
Installed weight	106 T
Overall dimensions (L x W x H) in mm	7800 × 5600 × 6800



More information

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FOR MORE
INFORMATION
SCAN HERE



TRANSFORMERS

- Technical support 24/7 from our team of highly experienced service engineers.