



OTF Electric Arc and Ladle Furnace transformers

ELECTRICAL DATA & DESIGN FEATURES

Rating Power:	Up to 120 MVA
N° of Phases:	Single or three phase construction
Windings & type of design:	<ul style="list-style-type: none"> - Standard or multiple concentric suitable for high current and heavy duty - Direct, booster or Auto transformer regulation core or Shell type construction - High secondary current & multiple voltages
Cooling:	(K)ONAN - (K)ONAF - (K)OFAF - (K)ODAF - (K)OFWF
Frequency:	50, 60, 25, 16 2/3 Hz (fix or variable)
Standards:	Any Standard applicable
Primary Winding:	Single or multi-primary voltage design
Max Working Voltage (U_m):	Up to 72.5 kV
Voltage Regulation:	<ul style="list-style-type: none"> - No Load Tap Changer (NLTC) - On Load Tap Changer (OLTC)
Secondary Winding:	Single or multi-secondary windings design
Insulating Level:	Up to L.I. 350 kV
Winding Conductors:	Cu, Cu-silver plated, Cu-tinned, Al
Bushing Protection Degree and secondary terminals:	Cable boxes and any special bushing execution also with water-cooled tubular elbows
Ambient Temperature (MIN/MAX):	From (minus)-60°C to MAX required design
Altitude of installation:	Up to 4500 m
Installation:	<ul style="list-style-type: none"> - Industrial - Steel & metallurgical processes
Painting Cycles:	Available Know-how in a wide range of environment conditions
Tank Execution:	Any type of solution and material according to the special design required for furnace applications
Available Insulating Liquid:	Mineral oil, Silicon fluid, Synthetic or Vegetal Ester fluid (Bio)

ACCESSORIES ON REQUEST

A wide of state of the art accessories available for:

- Life safety equipments
- Fire detection
- Power quality integration
- Life cycle monitoring unit device
- Coupling accessories for plant request
- Any other special needs if applicable

SPECIAL TECHNICAL REMARKS

- Latest design and production technology checked by a fully equipped test lab and validated by a wide range of special and type test certification.
- Finite Elements Design is available for special executions and details engineering, both for electrical and mechanical calculations.

ALL KIND OF DESIGN IMPLEMENTATION AVAILABLE ON REQUEST (if applicable)

