

# EXPERIENCE THAT TRANSFORMS.

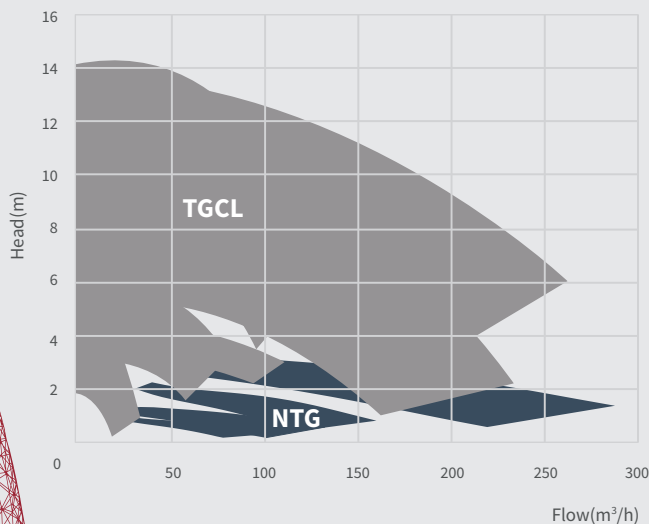
## TRANSFORMER OIL COOLING SOLUTIONS



**EFAFLU** is a Portuguese manufacturer of pumps for transformer oil circulation, with more than 30 years of experience in this market. Our range offers different designs to meet any project requirements, with each unit being developed and fully tested according to EN50216-7. From inline to end-suction, radial or axial configurations, our range is made of multiple flange diameters, impellers, materials and electrical specifications. Our pumps are designed to work under the most demanding conditions as they're supplied with C5-M painting scheme, IP 56 protection along with AISI 316 (A4) screws. They are compatible with mineral oil and synthetic ester, at temperatures from -45°C up to 115°C. To ensure vibration free performance and extend bearings life, dynamic balancing of the complete rotor set is performed according to ISO 1940.

### RANGE CHARTS

50Hz



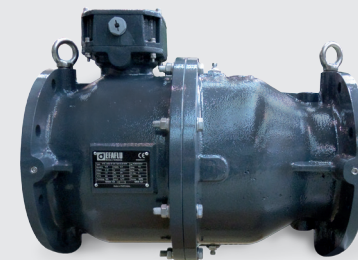
### PUMPS

#### INLINE

##### NTG

##### AXIAL PUMP

- Cast iron construction
- DN 150 & 200
- Multiple impeller angles
- 4 & 6 pole motors

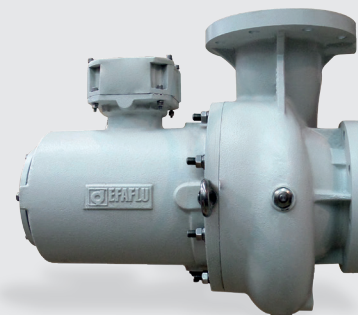


#### END SUCTION

##### TGCL

##### RADIAL PUMP

- Cast iron construction
- DN 65, 100, 125 & 150
- Multiple impeller diameters
- 4 & 6 pole motors



#### HEAD OFFICE

Póvoa de Varzim, Portugal  
geral@efafu.pt  
export@efafu.pt

[www.efafu.pt](http://www.efafu.pt)

Cofinanciado por:

# EXPERIENCE THAT TRANSFORMS.

## TRANSFORMER OIL COOLING SOLUTIONS

**HEAD OFFICE**  
Póvoa de Varzim, Portugal  
geral@efafu.pt  
export@efafu.pt

[www.efafu.pt](http://www.efafu.pt)

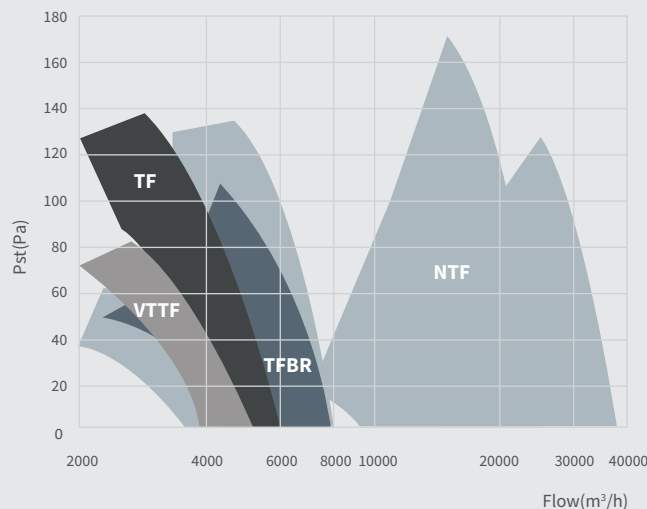
**EFAFLU** is a Portuguese manufacturer of fans for air forced transformer cooling, with more than 30 years of experience in this market. Our fans are fully designed and tested according to EN50216-12 to meet any project requirements, and can be applied directly on utility/industrial transformers or either in OEM cooling equipments.

From short casing to long casing in axial configuration, our range is made of multiple diameters, impellers, materials and electric motors, granting different duty points according to our client's needs. Our fans are designed to work under the most demanding conditions as they're supplied with C5-M painting scheme or hot dip galvanization, IP 56 protection along with AISI 316 (A4) screws.

To ensure vibration free performance and extend working lifetime, the impellers are dynamically balanced according to ISO 1940.

### RANGE CHARTS

50Hz



### FANS

#### SHORT CASING

##### TF

- Medium duty
- 450 mm
- Lightweight
- Aluminum sheet impeller



##### TFBR

- Light to medium duty
- 500 & 550 mm
- Low noise
- Aluminum sheet impeller



##### NTF

- Light to heavy duty
- 450, 800 & 1000 mm
- Casted aluminum/ Glass fiber reinforced polyamid impeller



#### LONG CASING

##### VTTF

- Light duty
- 450 mm
- Encapsulated motor
- Aluminum sheet impeller

