

Alternator design data for "Overhung" mounting of hydro turbine rotors

Please complete YELLOW cells for generator inquiries.

Name and address:



Project name:

No. of units: pcs.

Type of turbine:

Date:

Mounting type:

Shaft Overlength L =	<input style="background-color: yellow;" type="text"/>	inches =	<input style="background-color: yellow;" type="text"/>	mm
Axial thrust: Fa =	<input style="background-color: yellow;" type="text"/>	kpf =	<input style="background-color: yellow;" type="text"/>	kN
If Pelton: Number of jets =	<input style="background-color: yellow;" type="text"/>			
Radial force per jet Fx =	<input style="background-color: yellow;" type="text"/>	kpf =	<input style="background-color: yellow;" type="text"/>	kN
Resulting radial force: Fr =	<input style="background-color: yellow;" type="text"/>	kpf =	<input style="background-color: yellow;" type="text"/>	kN
Mass of runner =	<input style="background-color: yellow;" type="text"/>	lbs =	<input style="background-color: yellow;" type="text"/>	kg
Inertia of runner =	<input style="background-color: yellow;" type="text"/>	lbft ² =	<input style="background-color: yellow;" type="text"/>	kgm ²
Rated speed =	<input style="background-color: yellow;" type="text"/> rpm			
Runaway speed =	<input style="background-color: yellow;" type="text"/> rpm			
Duration of runaway speed =	<input style="background-color: yellow;" type="text"/> min.			
Required inertia I of alternator, if any =	<input style="background-color: yellow;" type="text"/>	lbft ² =	<input style="background-color: yellow;" type="text"/>	kgm ²
or: Required GD ² of alternator, if any =	<input style="background-color: yellow;" type="text"/>	lbft ² =	<input style="background-color: yellow;" type="text"/>	kgm ²
Rated output =	<input style="background-color: yellow;" type="text"/>	kVA		
Power Factor =	<input style="background-color: yellow;" type="text"/>	pf		
Rated voltage =	<input style="background-color: yellow;" type="text"/>	kV +/-	<input style="background-color: yellow;" type="text"/>	%
Frequency =	<input style="background-color: yellow;" type="text"/>	Hz +/-	<input style="background-color: yellow;" type="text"/>	%
Cooling mode =	<input style="background-color: yellow;" type="text"/>			
Enclosure type =	<input style="background-color: yellow;" type="text"/>			
Site altitude =	<input style="background-color: yellow;" type="text"/>	ft.a.s.l.	<input style="background-color: yellow;" type="text"/>	m.a.s.l.
Ambient air temperature =	<input style="background-color: yellow;" type="text"/>	°F =	<input style="background-color: yellow;" type="text"/>	°C
Cooling water temperature =	<input style="background-color: yellow;" type="text"/>	°F =	<input style="background-color: yellow;" type="text"/>	°C
Temperature rise limit, if any =	<input style="background-color: yellow;" type="text"/>			



wkv_angebot_HEP_englisch.XLS
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