

DE =		EN =		PT =		VN =																																	
Elektrische Informationen 1		Electric Information 1		Informações elétrico 1		Thông tin điện 1																																	
de= kW: Nm x Drehzahl x 3.14 / 30'000 = kW Beispiel: 684 x 3800 x 3.14 / 30'000 = 272 kW Nm: kW / Drehzahl x 30'000 / 3.14 = Nm Beispiel: 305 / 5000 x 30'000 / 3.14 = 582 Nm		kW bis KVA = KVA x 0,8 KVA = 80% kW Ampere: Watt / Volt = Ampere 1-Phase Ampere: Watt / Volt / 1,73 = Ampere 3-Phaser Volt: Watt / Ampere = V		<div style="border: 1px solid black; padding: 5px;">                         1 PS / HP = 75 Kp/1 m/sec                          1 PS / HP = 735,49 Watt                          1 Kcahl/h = 1.163 Watt                          1 Kcahl/h = 0.00158 PS / HP                          1 Kp/m/s = 8.4322 Kcahl                          1 KW = 1000 Watt                          1 Watt = 0.102 Kp/m/s                          1 Watt = 0.00136 PS                          1.163 Watt = 1 Kcahl                     </div>																																			
en= kW: Nm x RpM x 3.14 / 3 Example: 684 x 3800 x 3.14 / 30'000 = 272 kW Nm: kW / RpM x 30'000 / 3.14 = Nm Example: 305 / 5000 x 30'000 / 3.14 = 582 Nm		kW to KVA = KVA x 0.8 Ampere: Watt / Volt = Ampere 1-phase Ampere: Watt / Volt / 1.73 = Ampere 3-phase Volt: Watt / Ampere = V																																					
pt= kW: Nm x rpm x 3.14 / 30'000 = kW Exemplo: 684 x 3800 x 3,14 / 30'000 = 272 kW Nm: kW / rpm x 30'000 / 3,14 = Nm Exemplo: 305/5000 x 30'000 / 3,14 = 582 Nm		kW para KVA = KVA x 0.8 Ampere: Watt / Volt Ampere = 1-fase Ampere: Watt / Volt / 1,73 = Ampere 3 fases Volt: Watt / Ampere = V		de= Zum Berechnen braucht man immer 2 Werte Volt, Ampere, Ohm (resistant), Watt																																			
vn= kW: Nm x rpm x 3.14 / 30'000 = kW Ví dụ: 684 x 3800 x 3,14 / 30'000 = 272 kW Nm: kW / rpm x 30'000 / 3,14 = Nm Ví dụ: 305/5000 x 30'000 / 3,14 = 582 Nm		kW để KVA = KVA x 0.8 Ampere: Watt / Volt Ampere = 1 pha Ampere: Watt / Volt / 1.73 = Ampere 3 pha Volt: Watt / Ampere = V		en= For calculations allways you need 2 worth: Volt, Ampere, resistant, Watt																																			
				pt= Para os cálculos sempre que você precisa 2 pena: Volt, Ampere, resistência, Watt																																			
				vn= Để tính toán bạn luôn luôn cần hai giá trị volt, Ampere, điện trở, Watt																																			
de= Volt = Beständig x Ampere Beständig = Volt / Ampere Ampere = Volt / Beständig		<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>DE=</th> <th>EN=</th> <th>PT=</th> <th>VN=</th> </tr> </thead> <tbody> <tr> <td>P = Watt</td> <td>P = Watt</td> <td>P = Watt</td> <td>P = Watt</td> </tr> <tr> <td>I = Ampere</td> <td>I = Ampere</td> <td>I = Ampere</td> <td>I = Ampere</td> </tr> <tr> <td>U = Volt</td> <td>U = Volt</td> <td>U = Volt</td> <td>U = Volt</td> </tr> <tr> <td>R = Ohm Ω</td> <td>R = Ohm Ω</td> <td>R = Ohm Ω</td> <td>R = Ohm Ω</td> </tr> <tr> <td>U = R x I</td> <td>U = R x I</td> <td>U = R x I</td> <td>U = R x I</td> </tr> <tr> <td>R = U / I</td> <td>R = U / I</td> <td>R = U / I</td> <td>R = U / I</td> </tr> <tr> <td>I = U / R</td> <td>I = U / R</td> <td>I = U / R</td> <td>I = U / R</td> </tr> </tbody> </table>		DE=	EN=	PT=	VN=	P = Watt	P = Watt	P = Watt	P = Watt	I = Ampere	I = Ampere	I = Ampere	I = Ampere	U = Volt	U = Volt	U = Volt	U = Volt	R = Ohm Ω	R = Ohm Ω	R = Ohm Ω	R = Ohm Ω	U = R x I	U = R x I	U = R x I	U = R x I	R = U / I	R = U / I	R = U / I	R = U / I	I = U / R	I = U / R	I = U / R	I = U / R	de= Berechnen Sie: Motor 30 kW, 1400 Drehzahl = ..... Nm Motor 1,5 kW, 400 V, 3-Phasen = ..... Amper 400 kVA = ..... kW 400 V, 10 Amp = ..... Ohm Ω			
DE=	EN=	PT=	VN=																																				
P = Watt	P = Watt	P = Watt	P = Watt																																				
I = Ampere	I = Ampere	I = Ampere	I = Ampere																																				
U = Volt	U = Volt	U = Volt	U = Volt																																				
R = Ohm Ω	R = Ohm Ω	R = Ohm Ω	R = Ohm Ω																																				
U = R x I	U = R x I	U = R x I	U = R x I																																				
R = U / I	R = U / I	R = U / I	R = U / I																																				
I = U / R	I = U / R	I = U / R	I = U / R																																				
en= Volt = Resistant x Ampere Resistant = Volt / Ampere Ampere = Volt / Resistant				en= Calculate: Motor 30 kW; 1400 RpM = .....Nm Motor 1,5 kW; 400 V; 3-phasen = ..... Am 400 kVA = .....kW 400 V; 10 Amp = ..... Ohm																																			
pt= Volt = Resistência e Ampere Resistente = Volt / Ampere Ampere = Volt / Resistência				pt= Calculate: Motor 30 kW; 1400 rpm Nm = ..... Ω Motor de 1,5 kW; 400 V; 3-phasen = ..... Am 400 kVA = ..... kW 400 V; 10 Amp = ..... Ohm																																			
vn= Volt = Resistance và Ampere Kháng = Volt / Ampere Ampe = Volt / Resistance		de= (Information: / = Division) en= (Information: / = division) pt= (Informações: / = divisão) vn= (Thông tin: / = bộ phận)		vn= Tính toán: Động cơ 30 kW; 1400 rpm = ..... Nrr Động cơ 1,5 kW; 400 V; 3-phasen = ..... Am 400 kVA = ..... kW 400 V; 10 Amp = ..... Ohm																																			
gezeichnet:	HPW	Datum:		education project	Elektrische Information	translate/en_ds/p_ct/vn_ro	origin: WIAP KFKOK																																
Aenderung:	an	Datum:	11.05.2015	WIAP KFKOK	Electric Information	r5	datei_wi_8_f_17_b_r5_electrinform01_de_en_pt_																																
Aenderung:	control 2	Data:		Safenwil Schweiz	spear 2	<a href="http://www.wiap.ch">www.wiap.ch</a>	idee of / from: HPW																																