

Will Work With No Modifications	Will Work With A Machine Wiring Change And / Or Plug Change	Will Require An External Customer Supplied Converter

COUNTRY	VOLTS	CYCLES	UTN	VS UTN 1	VS UTN 2	Std. BR	Ind. VS BR
Afghanistan	220V	50 Hz					
Albania	220V	50 Hz					
Algeria	230V	50 Hz					
American Samoa	120V	60 Hz					
Andorra	230V	50Hz					
Angola	220V	50 Hz					
Anguilla	110V	60Hz					
Antigua	230V	60 Hz					
Argentina	220V	50 Hz					
Armenia	220V	50 Hz					
Aruba	127V	60 Hz					
Australia	230V	50 Hz					
Austria	230V	50 Hz					
Azerbaijan	220V	50 Hz					
Azores	220V	50 Hz					
Bahamas	120V	60 Hz					
Bahrain	230V	50 Hz					
Balearic Islands	220V	50 Hz					
Bangladesh	220V	50 Hz					
Barbados	115V	50 Hz					
Belarus	220V	50 Hz					
Belgium	230V	50 Hz					
Belize	110/220V	60 Hz					
Benin	220V	50 Hz					
Bermuda	120V	60 Hz					
Bhutan	230V	50 Hz					
Bolivia	220/230V	50 Hz					
Bosnia	220V	50 Hz					
Botswana	231V	50 Hz					
Brazil	110/220V	60 Hz					
Brunei	240V	50 Hz					
Bulgaria	230V	50 Hz					

COUNTRY	VOLTS	CYCLES	UTN	VS UTN 1	VS UTN 2	Std. BR	Ind. VS BR
Burkina Faso	220V	50 Hz					
Burundi	220V	50 Hz					
Cambodia	230V	50 Hz					
Cameroon	220V	50 Hz					
Canada	120V	60 Hz					
Canary Islands	220V	50 Hz					
Cape Verde	220V	50 Hz					
Cayman Islands	120V	60 Hz					
Central African Republic	220V	50 Hz					
Chad	220V	50Hz					
Channel Islands	230V	50 Hz					
Chile	220V	50 Hz					
China, People's Republic of	220V	50 Hz					
Colombia	110V	60Hz					
Comoros	220V	50 Hz					
Congo, People's Rep. of	230V	50 Hz					
Congo, Dem. Rep. of (former Zaire)	220V	50 Hz					
Cook Islands	240V	50 Hz					
Costa Rica	120V	60 Hz					
Côte d'Ivoire (Ivory Coast)	220V	50 Hz					
Croatia	230V	50Hz					
Cuba	110/220V	60Hz					
Cyprus	240V	50 Hz					
Czech Republic	230V	50 Hz					
Denmark	230V	50 Hz					
Djibouti	220V	50 Hz					
Dominica	230V	50 Hz					
Dominican Republic	110V	60 Hz					
East Timor	220V	50 Hz					
Ecuador	120- 127V	60 Hz					
Egypt	220V	50 Hz					
El Salvador	115V	60 Hz					
England							
Equatorial Guinea	220V*	50 Hz					
Eritrea	230V	50 Hz					

COUNTRY	VOLTS	CYCLES	UTN	VS UTN 1	VS UTN 2	Std. BR	Ind. VS BR
Estonia	230V	50 Hz					
Ethiopia	220V	50 Hz					
Faeroe Islands	220V	50 Hz					
Falkland Islands	240V	50 Hz					
Fiji	240V	50 Hz					
Finland	230V	50 Hz					
France	230V	50 Hz					
French Guiana	220V	50 Hz					
Gaza	230V	50 Hz					
Gabon	220V	50 Hz					
Gambia	230V	50 Hz					
Germany	230V	50 Hz					
Ghana	230V	50 Hz					
Gibraltar	240V	50 Hz					
Great Britain	230V	50 Hz					
Greece	220V	50 Hz					
Greenland	220V	50 Hz					
Grenada (Windward Is.)	230V	50 Hz					
Guadeloupe	230V	50 Hz					
Guam	110V	60Hz					
Guatemala	120V	60 Hz					
Guinea	220V	50 Hz					
Guinea-Bissau	220V	50 Hz					
Guyana	240V	60 Hz					
Haiti	110V	60 Hz					
Honduras	110V	60 Hz					
Hong Kong	220V	50 Hz					
Hungary	230V	50 Hz					
Iceland	220V	50 Hz					
India	230V	50 Hz					
Indonesia	127/230V	50 Hz					
Iran	230V	50 Hz					
Iraq	230V	50 Hz					
Ireland (Eire)	230	50 Hz					
Isle of Man	240V	50 Hz					
Israel	230V	50 Hz					

COUNTRY	VOLTS	CYCLES	UTN	VS UTN 1	VS UTN 2	Std. BR	Ind. VS BR
Italy	230V	50 Hz					
Jamaica	110V	50 Hz					
Japan	100V	50/60 Hz	*1	*1		*1	*1
Jordan	230V	50 Hz					
Kenya	240V	50 Hz					
Kazakhstan	220V	50 Hz					
Kiribati	240V	50 Hz					
Korea, South	220V	60 Hz					
Kuwait	240V	50 Hz					
Laos	230V	50 Hz					
Latvia	220V	50 Hz					
Lebanon	110/220V	50 Hz					
Lesotho	220V	50 Hz					
Liberia	120V	60 Hz					
Libya	127V*	50 Hz					
Lithuania	220V	50 Hz					
Liechtenstein	230V	50 Hz					
Luxembourg	220V	50 Hz					
Macau	220V	50 Hz					
Macedonia	220V	50 Hz					
Madagascar	220V	50 Hz					
Madeira	220V	50 Hz					
Malawi	230V	50 Hz					
Malaysia	240V	50 Hz					
Maldives	230V	50 Hz					
Mali	220V	50 Hz					
Malta	240V	50 Hz					
Martinique	220V	50 Hz					
Mauritania	220V	50 Hz					
Mauritius	230V	50 Hz					
Mexico	127V	60 Hz					
Micronesia (Federal States of)	120V	60 Hz					
Monaco	127/220V	50 Hz					
Mongolia	230V						
Montserrat (Leeward Is.)	230V	60 Hz					
Morocco	127/220V	50 Hz					

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Mozambique	220V	50 Hz					
Myanmar (formerly Burma)	230V	50 Hz					
Namibia	220V	50 Hz					
Nauru	240V	50 Hz					
Nepal	230V	50 Hz					
Netherlands	230V	50 Hz					
Netherlands Antilles	127/220V	50 Hz					
New Caledonia	220V	50 Hz					
New Zealand	230V	50 Hz					
Nicaragua	120V	60 Hz					
Niger	220V	50 Hz					
Nigeria	240V	50 Hz					
Northern Ireland	230V	50 Hz					
Norway	230V	50 Hz					
Okinawa	100V*	60 Hz					
Oman	240V*	50 Hz					
Pakistan	230V	50 Hz					
Palmyra Atoll	120V	60Hz					
Panama	110V*	60 Hz					
Papua New Guinea	240V	50 Hz					
Paraguay	220V	50 Hz					
Peru	220V*	60 Hz*					
Philippines	220V	60 Hz					
Poland	230V	50 Hz					
Portugal	230V	50 Hz					
Puerto Rico	120V	60 Hz					
Qatar	240V	50 Hz					
Réunion Island	220V	50Hz					
Romania	230V	50 Hz					
Russian Federation	220V	50 Hz					
Rwanda	230V	50 Hz					
St. Kitts and Nevis (Leeward Is.)	230V	60 Hz					
St. Lucia (Windward Is.)	240V	50 Hz					
St. Vincent (Windward Is.)	230V	50 Hz					
Saudi Arabia	127/220V	60 Hz					
Scotland	230V	50 Hz					

COUNTRY	VOLTS	CYCLES	UTN	VS UTN 1	VS UTN 2	Std. BR	Ind. VS BR
Senegal	230V	50 Hz					
Serbia-Montenegro	220V	50 Hz					
Seychelles	240V	50 Hz					
Sierra Leone	230V	50 Hz					
Singapore	230V	50 Hz					
Slovak Republic	230V	50 Hz					
Slovenia	220V	50 Hz					
Somalia	220V	50 Hz					
South Africa	220/230V	50 Hz					
Spain	230V	50 Hz					
Sri Lanka	230V	50 Hz					
Sudan	230V	50 Hz					
Suriname	127V	60 Hz					
Swaziland	230V	50 Hz					
Sweden	230V	50 Hz					
Switzerland	230V	50 Hz					
Syria	220V	50 Hz					
Tahiti	110/220V	60 Hz					
Tajikistan	220V	50 Hz					
Taiwan	110V	60 Hz					
Tanzania	230V	50 Hz					
Thailand	220V	50 Hz					
Togo	220V	50 Hz					
Tonga	240V	50 Hz					
Trinidad & Tobago	115V	60 Hz					
Tunisia	230V	50 Hz					
Turkey	230V	50 Hz					
Turkmenistan	220V	50 Hz					
Uganda	240V	50 Hz					
Ukraine	220V	50 Hz					
United Arab Emirates	220V	50 Hz					
United Kingdom	230V	50 Hz					
United States of America	120V	60 Hz					
Uruguay	220V	50 Hz					
Uzbekistan	220V	50 Hz					
Vanuatu	230V	50 Hz					

COUNTRY	VOLTS	CYCLES	UTN	VS UTN 1	VS UTN 2	Std. BR	Ind. VS BR
Venezuela	120V	60 Hz					
Vietnam	127/220V	50 Hz					
Virgin Islands (British and U.S.)	115V	60 Hz					
Wales							
Western Samoa	230V	50 Hz					
Yemen, Rep. of	220/230V	50 Hz					
Yugoslavia (<i>Former</i>)	220V	50 Hz					
Zambia	230V	50 Hz					
Zimbabwe	220V	50 Hz					

50 & 60 Cycles basically interchange. The RPM's will be slightly lower at 50 cycles.

*1: Japan may require 100 to 110 Converter for extended use.

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Watts = Volts X Amps

Standard UTN with 1/2hp or 1hp is wired standard from Mittler Bros. for 110 Volts & 60 cycles. These units can be rewired by the customer to use 220 Volts and 50 / 60 cycles.

1/2hp = 110 Volts / 8.8 Amps / 60 Cycles 220 Volts / 4.4 Amps / 60 Cycles
1hp = 110 Volts / 12.8 Amps / 60 Cycles 220 Volts / 6.4 Amps / 60 Cycles

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Variable Speed UTN 1st Design with 1hp is wired from Mittler Bros. for 110 Volts & 60 cycles. These units can be rewired by the customer to use 220 Volts and 50 / 60 cycles.

1hp = 110 Volts / 10 Amps / 60 Cycles 220 Volts / 7.5 Amps / 60 Cycles

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Variable Speed UTN 2nd Design with 2hp is wired from Mittler Bros. for 220 Volts Single Phase & 60 cycles. These units can be used from 200 Volts to 240 Volts

2hp = 220 Volts / 13 Amps / 60 Cycles

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Standard Bead Roller is wired from Mittler Bros. for 110 Volts & 60 cycles. These units are only designed for this voltage. A customer supplied converter is required for other voltages.

110 Volts / 1.3 Amps / 60 Cycles.....110Watts

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Variable Speed Industrial Bead Roller is wired from Mittler Bros. for 110 Volts & 60 cycles. These units are only designed for this voltage. A customer supplied converter is required for other voltages.

110 Volts / 3 Amps / 60 Cycles.....330Watts
