# POWER CALCULATION DATA REQUEST*
# Motorized Pulleys

**To identify the right Motorized Pulley for your application, please fill-in this form with the requested data, necessary for the power calculation and a proper selection of the correct type of Pulley.**

**CLIENT**..... **Name**.....

**Address** .....

**Phone**..... **Fax**..... **E-mail**..... **Date**.....

**Speed (m/s)**..... ☐ **BULK** handling roller bed? ☐ **UNIT** handling roller bed? ☐ **UNIT** handling flat bed?

**Belt width (mm)**..... **Conveyor length (Pulleys distance) (m)**.....

**Load rate (t/h)**..... or **load capacity (N/m)**.....

**Incline (m)**..... or **incline (degreases °)**..... **Working hours per day?**.....

**Belt weight (N/m)**..... **Friction factor belt/slider bed (0,2 - 0,7)**..... (Needed for slider bed only)

**Belt strength class** (at 1% nominal of pre-tensioning) **N/mm width:**..... **Real belt pre-tensioning %**.....

**or Total radial load on the drive Pulley T1+T2 in (N):**.....

**£ Skirt-boards (m)**..... ☐ **No. of belt cleaners**..... ☐ **Discharge plough** ☐ **Others**.....

**Shell length (RL) (mm)**..... **Shell Diameter mm**..... **Voltage V AC**.....

**No. of Phases**..... **Frequency Hz**..... **Number of start stops per hour or per min:**.....

**Transported material**..... **Max. or min. ambient Temp. C°**.....

**Ambient type:** ☐ **very dirty** ☐ **wet** ☐ **corrosive** ☐ **wash down** ☐ **others**.....

**Material status:** ☐ **humid** ☐ **dry** ☐ **abrasive** ☐ **wet** ☐ **others**.....

☐ **Dust explosion proof – ATEX 95 – Zone 22 for applications handling dusty grain etc.?**

**OPTIONS:**

☐ Lagging? ☐ Rubber? ☐ Black? ☐ White? ☐ Smooth? ☐ Diamond?

☐ Ceramic? ☐ Thickness?..... (mm)

| | | |
|---|---|---|
| ☐ Matching terminal box | ☐ Single phase motor | ☐ supply capacitor |
| ☐ With cable | ☐ straight connector | ☐ elbow connector 90° |
| ☐ Food application | ☐ Re-greasable seals | ☐ Total in stainless steel |
| ☐ Reversible belt | ☐ Electromagnetic brake | ☐ Parallel shell (cylindrical) |
| ☐ Mechanical backstop | ☐ clockwise direction | ☐ anti-clockwise direction |

☐ Idler Pulley Qty.:..... ☐ Mounting bracket Qty.:.....

NOTES, special options, parallel shell, lagging, re-greasable labyrinth seals etc.....

.....

**<u>To be filled in by Rulmeca:</u>**

SUGGESTED Motorized Pulley:..... EDP No..... Qty.:.....

Options:..... Mounting brackets:..... Qty.:.....

Idler Pulley:..... Qty.:..... Mounting brackets:..... Qty.:.....

Accessories, types, options and comments.....

.....

*** if you have already decided the type and power of the requested motorized pulley, please fill the form at page 7.**