

# GENERAL INDUSTRY PUMP FOR SEVERE CONDITIONS

## FOR SLURRIES, CORROSIVE, ABRASIVE LIQUIDS

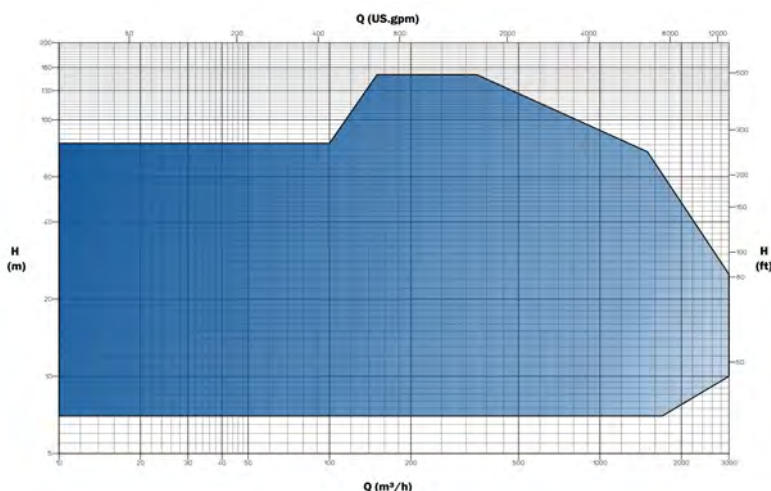
# PLR - NC CR

### Design :

- / Specially designed to handle slurries with high level of very abrasive solids
- / Grease or oil lubricated double tapered roller bearings for V-belt transmission or for direct drive
- / Adjustable discharge nozzle position
- / Closed type impeller screwed on shaft with front and back relief vanes
- / Wear plate fitted on back of the impeller
- / Adjustment of capacity-head characteristics by speed variation (V-belt transmission, frequency converter, etc.)
- / Large clearances preventing wear
- / Shaft sleeve-protected from pumped liquid (hard material sleeve)
- / Shaft seal by packing, special slurry mechanical seal or hydrodynamic by expeller

### Additional Design :

- / Vortex impeller, semi-open impeller, dynamic seal ("packing expeller")
- / Special design for high temperatures



### Performances :

- / Flow : up to 3500 m<sup>3</sup> (15,400 US gpm)
- / Total head : up to 130 m (430 ft).
- / Maximum operating pressure : up to 10 bar (145 PSI)
- / Operating temperature range : up to 150° C (up to 300° F)
- / Higher capacities and pressures upon request

### Standard materials :

- / Duplex stainless steel
- / Austenitic stainless steel
- / Other stainless steel grades upon request
- / Martensitic cast iron, Ni-hard cast iron, chromium cast iron
- / Hastelloy

### Industrial applications :

- / Petrochemical industry
- / Chemical industry
- / Mining industry
- / Steel industry
- / Sugar industry
- / Cement works
- / Quarries