

## TOYO GR15 RANGE PUMPS

Easy handling, long life-time and economy.

Hi-Chrome casting iron is used in Impeller, Cutter Fan and the other expendable parts and every parts have enough thickness.

Air outlet at the top of pump provides stable working in airwater mixing discharge operation.

Mechanical Seal designed free from direct discharge pressure and has long life-time.



## FEATURES

Toyo GR-10 submersible pumps are heavy duty and capable of pumping slurry. They are a true slurry pump in design and offer real solids pumping effectiveness for a limited investment cost.

The pumps are top outlet discharge pumps and are self cooling. They are therefore able to operate partially submerged. Standard they are equipped with thermal protection.

The design of the pump incorporates the renowned patented Toyo agitator, attached directly on the pump shaft, semi-open impeller, heavy duty shaft and bearings configuration, double mechanical seals working in an oil bath and 4 pole customs built electric motor with 1.15 service factor.

GR15 and bigger models have an adjustable wear plate. The impeller, the wear plate and the agitator are manufactured in cast chrome iron (24 to 28%).

Their maximum operating depth is 30m.

## PERFORMANCE CURVE

MODEL	BORE (mm)	STANDARD		SOLID SIZE (mm)	MOTOR		WEIGHT (Kg)	CABTYRE CABLE 10m (200V) (symbol x mm <sup>2</sup> x core)
		HEAD (m)	CAPACITY (m <sup>3</sup> /min)		OUTPUT (KW)	POLE (P)		
GR-3	80	10	0.5	22	2.2	4	115	2PNCT×5.5 <sup>2</sup> ×4C
GR-5	80	15	0.5	22	3.7	4	135	2PNCT×5.5 <sup>2</sup> ×4C
GR-7.5	100	12	1	25	5.5	4	145	2PNCT×5.5 <sup>2</sup> ×4C
GR-7.5H	100	13.5	1	15	5.5	4	145	2PNCT×5.5 <sup>2</sup> ×4C
GR-10	150	10	2	35	7.5	4	180	2PNCT×5.5 <sup>2</sup> ×4C
GR-10-100	100	10	1.2	35	7.5	4	180	2PNCT×5.5 <sup>2</sup> ×4C
GR-10HS *	100	15	1	20	7.5	4	180	2PNCT×5.5 <sup>2</sup> ×4C
GR-10HS-80 *	80	15	0.8	20	7.5	4	180	2PNCT×5.5 <sup>2</sup> ×4C
GR-15	100	18	1.5	30	11	4	270	2PNCT×8 <sup>2</sup> ×4C
GR-15H	100	20	1.5	25	11	4	270	2PNCT×8 <sup>2</sup> ×4C
GR-15-150 *	50	15	2	30	11	4	270	2PNCT×8 <sup>2</sup> ×4C
GR-30	100	30	1.5	30	22	4	440	2PNCT×380 <sup>2</sup> ×4C
GR-30B	150	19	3.2	40	22	4	440	2PNCT×380 <sup>2</sup> ×4C

● Specifications are changeable without notice. Please ask for Specification Sheet for the details.  
● \* only 60Hz available.

## FEATURES

GR pumps are able to lift up and transport slurries with densities of at least 1.25kg/dm<sup>3</sup> and can handle solids contents reaching 55% by weight. They offer pumping capacities of up to 192m<sup>3</sup>/h.

They are able to pump solids particles with up to 40mm diameter, in slurries temperatures of up to 60°C and pH between 4 and 9.5. They can be furnished in different metallurgies including stainless steel.