

YOU GOT TO GRANT IT TO GRANSA



4" POWER PLUS SERIES - 50 Hz

COMPANY PROFILE



YOU GOT TO GRANT IT TO GRANSA

First things first. Gransa is not your run-of-the-mill pump. It is the best there is. Period. In fact it is much more than just pumps. It is a movement. A revolution that can bring about change in the way we look at pumping technology. Gransa incorporates inspired design with new generation technology to ensure perfection at every level. Aesthetically pleasing with its sleek hi-tech looks, every Gransa pump is a marvel of workmanship and design and technologically superior. Functionally, Gransa is in a class all its own. The performance parameters are legendary and would leave you awe struck. It is not for nothing that it is said: you got to grant it to Gransa!

The Gransa quality edge comes from our collective attitude that will not compromise, will not accept second best, will not take no for an answer and will not rest until the perfect solution is found. Every single product bears the imprint of this commitment. Right from sourcing raw material to the finished product every step is



monitored both online and offline till it meets our exacting standards. We know that there is a lot riding on the quality of the raw material used in the manufacture of the pump. That is why we invest more time and money in sourcing the finest raw material available to give you a pump that is perfect in all respects. Another area where our pumps score is in energy efficiency. In these days of depleting energy resources, we believe that it is imperative that power saving should be central to your buying decision.

The fact that the manufacturing facilities are quite extensive and state of the art makes a big difference. The infrastructure is one of the best in the world - CI foundry, fully mechanized and Steel automated Foundry, world class R&D facilities with flow dynamic software, ISO 9001 & 14001 Certified production environment, highly skilled and qualified hands and more. All contributing to a production capacity of over 1 million pumps per annum.

The range is extensive. Applications include irrigation, domestic, civil construction, de-watering, Fire fighting, HVAC, Industrial etc. Our 4" to 8" borehole submersible pumps meet NEMA standards.

Gransa, in keeping with its reputation as a global brand has a wide network across strategic locations worldwide with an extensive dealer presence and service support centers.

SUBMERSIBLE PUMPSET

GRANSA Submersible Pumps are the products of the expertise gained from over five decades of experience, endurance and workmanship. These products are engineered to perfection with utmost care and stringent quality control at all stages to ensure a trouble free service.

Description : GRANSA 4" Power Plus Series submersible pumps are built with thermoplastic impellers, diffusers and inbuilt check valve. All vital components of these pumps are made of corrosive resistance thermoplastic and the shaft is of SS 304/431. Pumps are multi stage centrifugal type. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. Built in check valve prevents back flow and reduces the risk of water hammering.

The pump is firmly coupled to a submersible oil filled motor which operates submerged beneath the surface of water. Dynamically balanced rotors and quality ball bearings maintain uniform clearance thereby giving better efficiency and increase the life cycle. All mounting dimensions of pumps & motors are in accordance with NEMA standard.

These Power Plus submersible pumpsets are supplied as a complete package i.e. pump coupled to motor, with control box, 30m submersible cables and Safety rope in a single packing.

Features : | More Longevity & Hygiene | High Operating efficiency | Lesser power consumption | Floating impeller design prevents sand blockages | Easy to dismantle & Repair | Rigid construction | Highly durable | Can handle upthrust load | NEMA Mounting Standard | Extremely hardwearing water lubricated bearings.

Applications : | Residential | Irrigation | Civil Water Supply | Fountains | Industrial & Rural Water supply | Fire Fighting | Pressure Boosting Units | Gardens | Sprinkler Systems.

SPECIFICATIONS

NOMINAL DIA.	4" (100mm)
Power range	0.37kW to 2.2kW
Speed	2900 rpm
Version	Single phase 230V, 50Hz, A.C Supply
Class of insulation	"F"
Degree of protection	IP 68
Type of duty	S1 (Continuous)
Min. Cooling flow	0.15m/s
Max. Liquid temp.	33°C
Max. Immersion depth	150m
Starts per hour	20 times
Method of starting	Single phase permanent split capacitor (PSC)
Pump outlet size	1¼", 1½" & 2"
Cable lead out	Permanently connected and sealed 3 core rubber flat cable

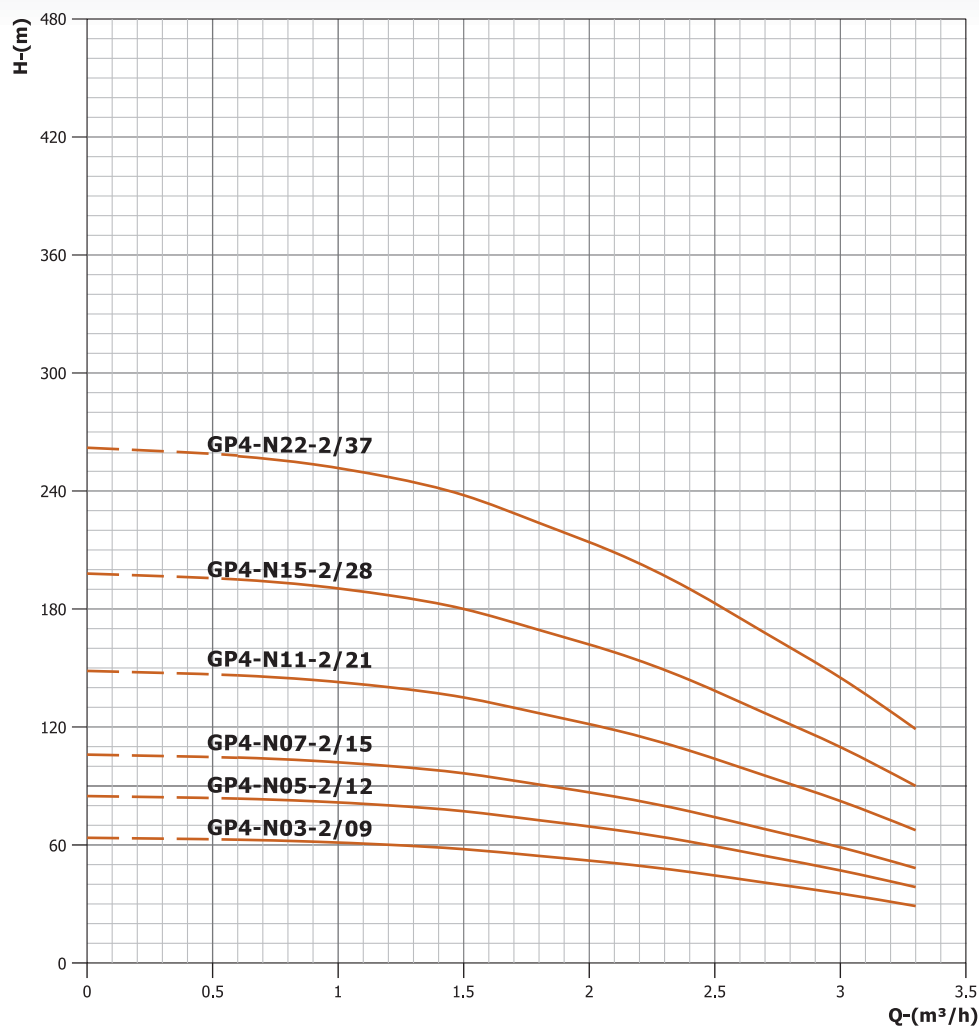
MATERIALS OF CONSTRUCTION

PART NAME	MATERIAL
Discharge Outlet	S.S - 304 (Casted)
Pump Outer Shell	S.S - 201
Impeller	Thermo Plastic (POM)
Diffuser	Thermo Plastic (PPO)
Suction Inter Connector	S.S - 304 (Casted)
Inlet Screen	S.S - 304
Pump Shaft	S.S - 304
Cable Guard	S.S - 420
Coupling Splines	S.S - 430
Motor Outer Shell	S.S - 304
Oil Seal	Nitrile Rubber (NBR)
Mechanical Seal	Carbon / Silicon
Diaphragm	Nitrile Rubber (NBR)

SUBMERSIBLE PUMPSET

Nominal Diameter : 4 Nominal Flow : 2m³/h Outlet Size : 1¼"

PERFORMANCE CURVE



PERFORMANCE TABLE

PUMP SET MODEL	MOTOR POWER		PUMP STAGES	Ips m³/h	0	0.28	0.41	0.55	0.69	0.83
	kW	HP			0	1	1.5	2	2.5	3
GP4-N03-2/09	0.37	0.5	9	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	64	61	59	51	45	35
GP4-N05-2/12	0.55	0.75	12		86	81	78	69	60	48
GP4-N07-2/15	0.75	1.0	15		107	101	97	88	74	60
GP4-N11-2/21	1.1	1.5	21		149	142	135	121	103	71
GP4-N15-2/28	1.5	2.0	28		199	190	180	161	139	100
GP4-N22-2/37	2.2	3.0	37		262	251	238	215	182	134

*All above said models are supplied as complete set consists of Pump, Motor & 1Ph Control Box. On request 30mtrs cable & safety rope can be provided.

*In view of continuous developments, the information / description / specifications / illustrations are subject to change without notice.

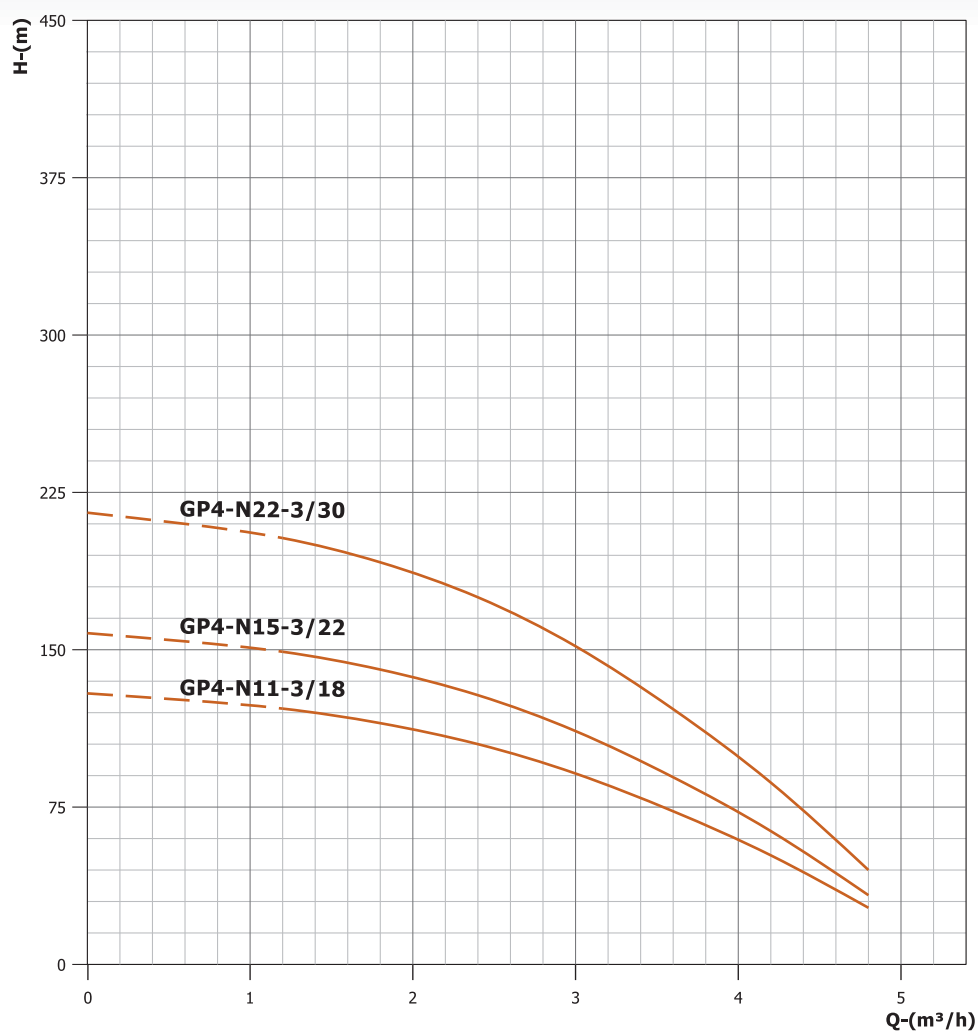
SUBMERSIBLE PUMPSET

Nominal Diameter : 4

Nominal Flow : 3m³/h

Outlet Size : 1¼"

PERFORMANCE CURVE



PERFORMANCE TABLE

PUMP SET MODEL	MOTOR POWER		PUMP STAGES	lps m³/h	0	0.28	0.55	0.83	1.11	1.25
	kW	HP			0	1	2	3	4	4.5
GP4-N11-3/18	1.1	1.5	18	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	132	122	110	90	60	40
GP4-N15-3/22	1.5	2.0	22		159	150	137	110	75	47
GP4-N22-3/30	2.2	3.0	30		217	207	190	150	100	68

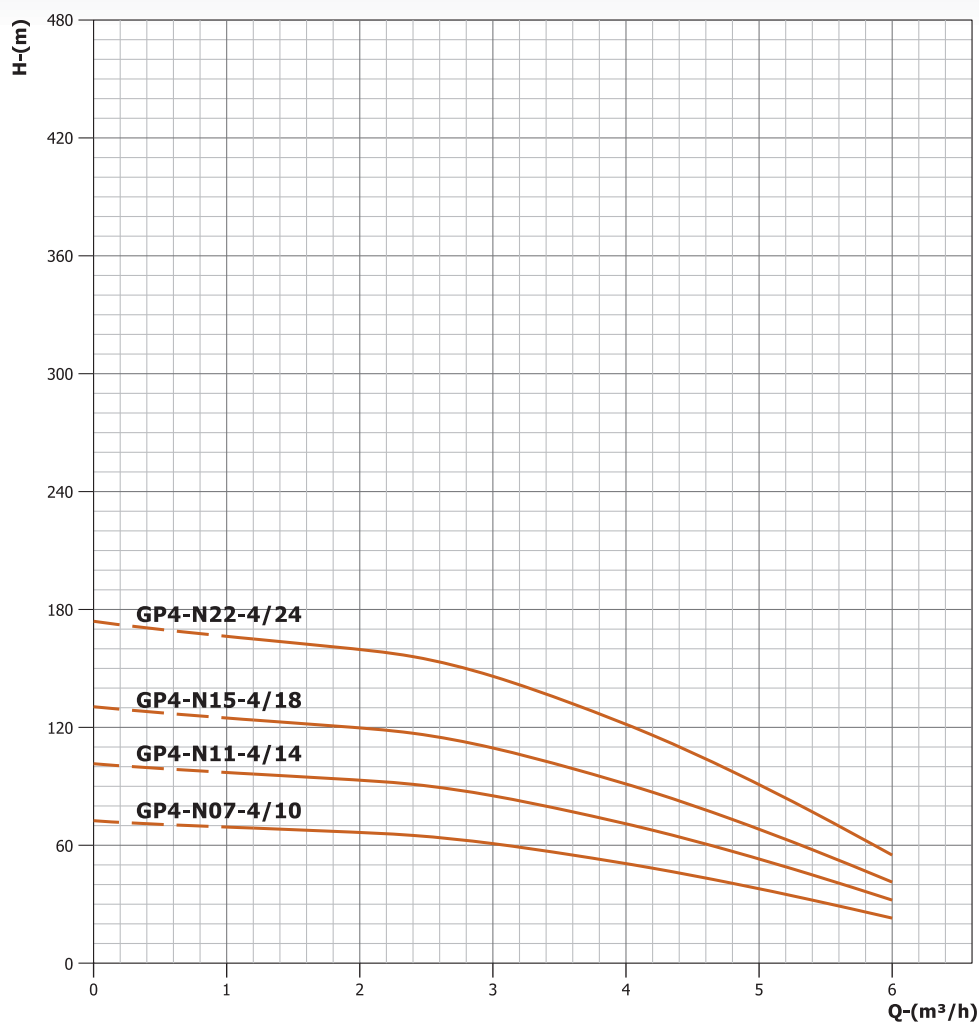
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SUBMERSIBLE PUMPSET

Nominal Diameter : 4 Nominal Flow : 4m³/h Outlet Size : 1¼"

PERFORMANCE CURVE



PERFORMANCE TABLE

PUMP SET MODEL	MOTOR POWER		PUMP STAGES	lps m³/h	0	0.55	0.83	1.11	1.38	1.66
	kW	HP			0	2	3	4	5	6
GP4-N07-4/10	0.75	1.0	10	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	72	68	60	50	39	23
GP4-N15-4/14	1.1	1.5	14		101	93	85	70	52	33
GP4-N11-4/18	1.5	2.0	18		130	120	110	91	69	41
GP4-N22-4/24	2.2	3.0	24		174	160	147	121	90	55

*All above said models are supplied as complete set consists of Pump, Motor & 1Ph Control Box. On request 30mtrs cable & safety rope can be provided.

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Vision & Mission

To lead from the front and set the standard in providing fluid management solutions across a wide spectrum of industries across the globe. To make the world a better place by embracing viable, sustainable technologies and processes and enlightened business practices. Our experience, expertise, the quality of our people and, of course, our strong customer orientation would be factors that would leverage our efforts to achieve our ends and fulfil our avowed commitment to all our stakeholders.



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