



C.R.I. FLUID SYSTEMS
Pumping trust. Worldwide.



SUBMERSIBLE PUMPSET - 60Hz
G - Flow Series



SUBMERSIBLE PUMPS SET

G - Flow SERIES



Description : C.R.I. 2" *G-Flow* 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 S.S - 304. Pumps are multi stage centrifugal type. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency.

The pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. The dynamically balanced rotors and equipped with quality ball bearing maintain uniform clearance thereby giving better efficiency and increase the life cycle.

These *G-Flow* Submersible Pumpsets are supplied as a complete package i.e. Pump coupled to motor, with control box and 30meter submersible cable (optional) in a single package.

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

Applications :

- Residential
- Irrigation
- Civil Water Supply
- Fountain
- Gardens
- Sprinkler Systems.

Materials of Construction

PART NAME	MATERIAL
Pump outer Shell	S.S - 304
Check Valve Housing	S.S - 304
Pump Shaft	S.S - 304
Suction Inter Connector	S.S - 304
Impeller	Polyxymethethylene
Diffuser	Polycarbonate
Motor Outer Shell	S.S - 304
Motor Upper Housing	Cast Iron with S.S Cover
Motor Shaft	S.S - 304 + Carbon Steel
Mechanical Seal	Graphite - Ceramic / TC
Motor Base	S.S - 304

Specification

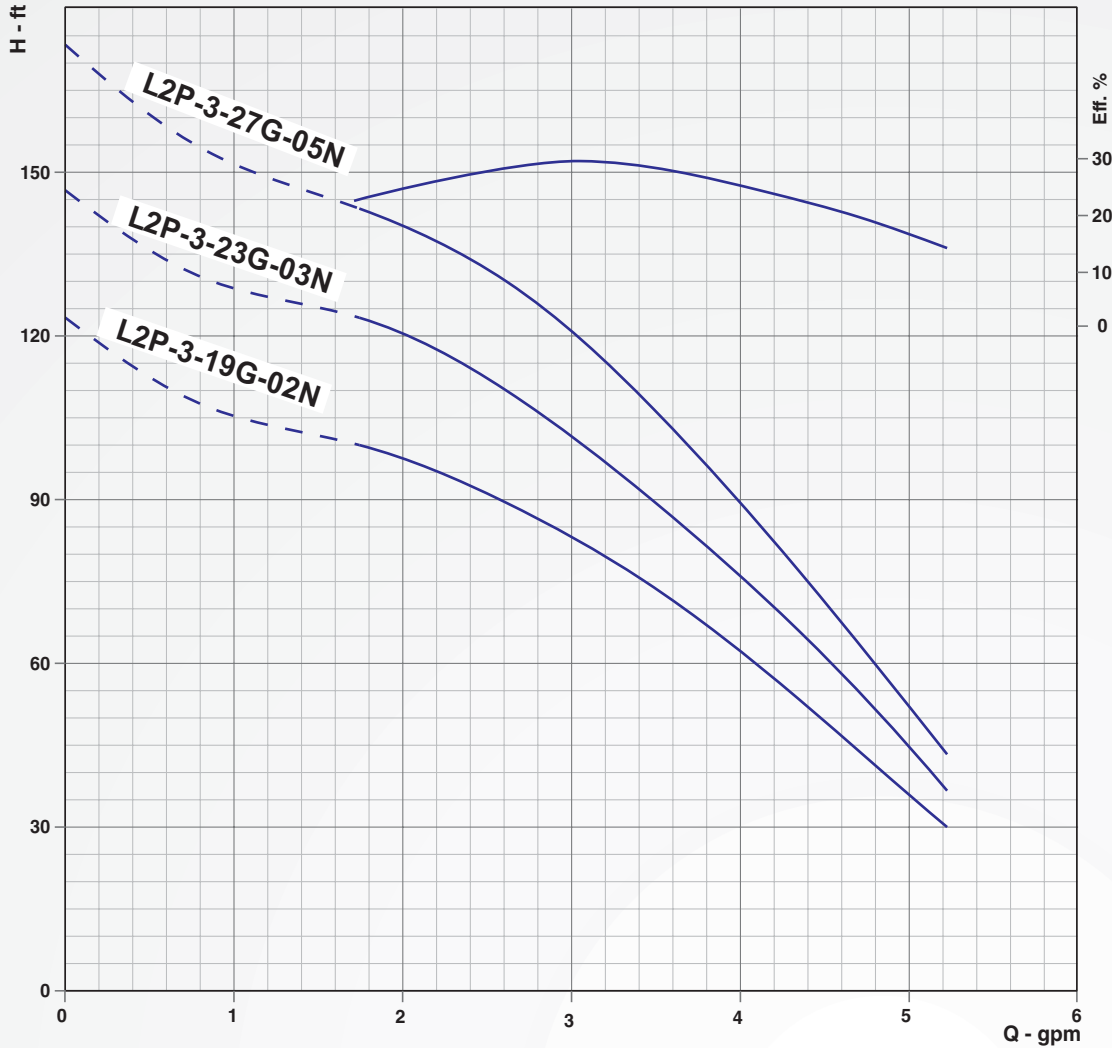
PART NAME	MATERIAL
Power Range	0.25 HP to 0.5 HP
Speed	3500 rpm
Version	1 Ph, 110V & 220V, 60Hz AC Supply
Class of Insulation	B
Degree of Protection	IP 68
Type of Duty	S1 Continuous
Max. Liquid Temperature	95°F
Method of Starting	1 Ph, Permanent Split Capacitor (PSC)
Outlet Size	1/2" & 3/4"



Performance Curves & Tables

Nominal Diameter : 2"
Nominal Flow : 3 gpm
Outlet Size : 1/2" & 3/4"

Flow Range : 1 - 5.23 gpm



PUMP MODEL	MOTOR POWER		m ³ /h	0	0.22	0.45	0.68	0.90	1.13	1.18
	kW	HP	gpm	0	1	2	3	4	5	5.23
L2P-3-19G-02N	0.18	0.25	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	121	104	96	82	61	35	30
L2P-3-23G-03N	0.25	0.33		144	127	118	100	74	43	36
L2P-3-27G-05N	0.37	0.5		170	149	138	119	87	52	44

In view of continuous developments, the information / description / specifications / illustrations are subject to change without notice.
* All the pumpset with 3 wire is supplied with smart control box



SUBMERSIBLE PUMPS SET

G - Flow SERIES



Description : C.R.I. 2.5" *G-Flow* 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 S.S - 304. Pumps are multi stage centrifugal type. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency.

The pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. The dynamically balanced rotors and equipped with quality ball bearing maintain uniform clearance thereby giving better efficiency and increase the life cycle.

These *G-Flow* Submersible Pumpsets are supplied as a complete package i.e. Pump coupled to motor, with control box and 30meter submersible cable (optional) in a single package.

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

Applications :

- Residential
- Irrigation
- Civil Water Supply
- Fountains
- Gardens
- Sprinkler Systems.

Materials of Construction

PART NAME	MATERIAL
Pump outer Shell	S.S - 304
Check Valve Housing	S.S - 304
Pump Shaft	S.S - 304
Suction Inter Connector	S.S - 304
Impeller	Polymethylene
Diffuser	Polycarbonate
Motor Outer Shell	S.S - 304
Motor Upper Housing	Cast Iron with S.S Cover
Motor Shaft	S.S - 304 + Carbon Steel
Mechanical Seal	Graphite - Ceramic / TC
Motor Base	S.S - 304

Specification

PART NAME	MATERIAL
Power Range	0.25 HP to 0.75 HP
Speed	3500 rpm
Version	1 Ph, 110V & 220V, 60Hz AC Supply
Class of Insulation	B
Degree of Protection	IP 68
Type of Duty	S1 Continuous
Max. Liquid Temperature	95°F
Method of Starting	1 Ph, Permanent Split Capacitor (PSC)
Outlet Size	1"



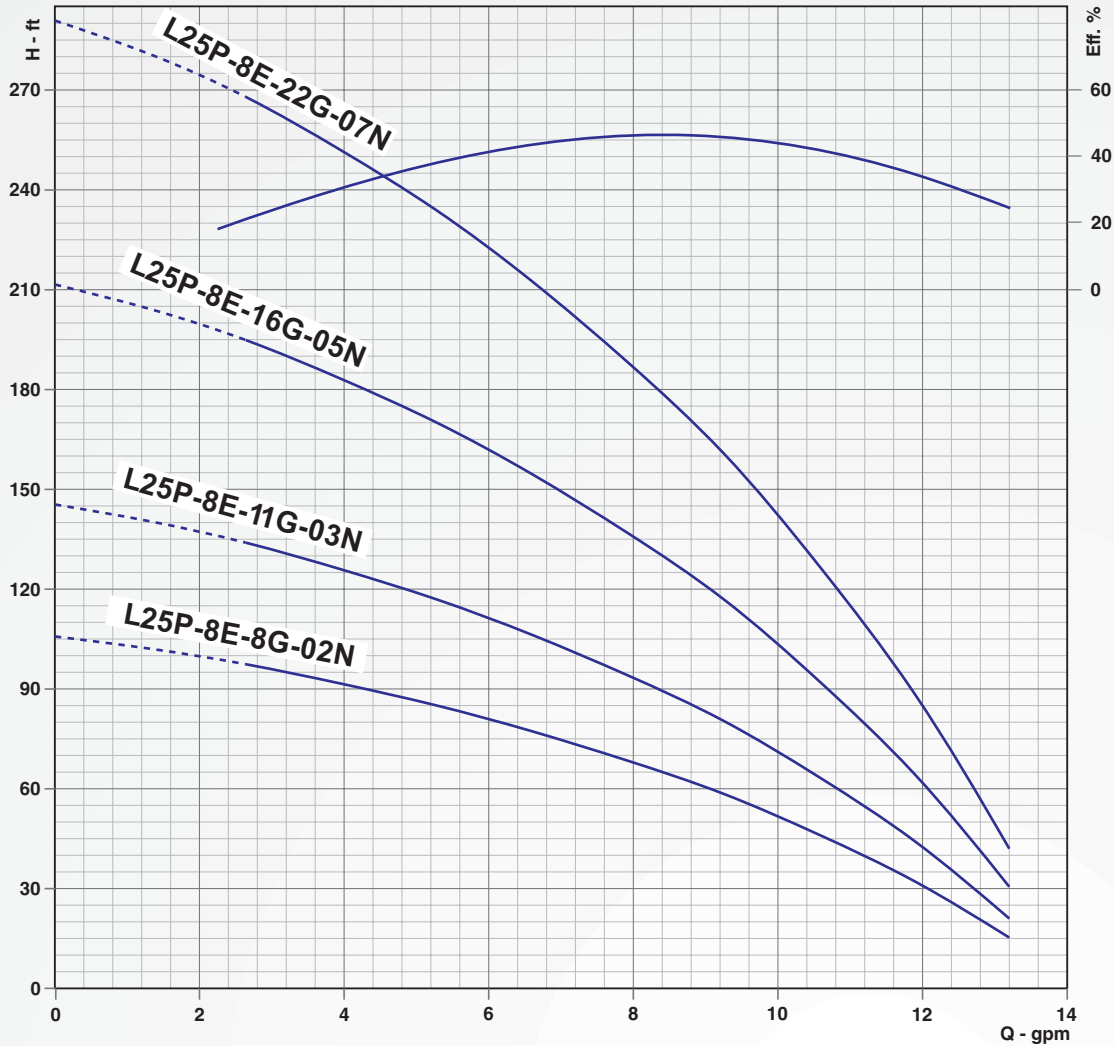
Performance Curves & Tables

Nominal Diameter : 2.5"

Nominal Flow : 3 gpm

Outlet Size : 1"

Flow Range : 2 - 13 gpm



PUMP MODEL	MOTOR POWER		m ³ /h	0	0.45	0.90	1.36	1.81	2.27	2.72
	kW	HP	gpm	0	2	4	6	8	10	12
L25P-8E-8G-02N	0.18	0.25	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	105	100	91	81	68	51	31
L25P-8E-11G-03N	0.25	0.33		145	138	125	111	83	71	42
L25P-8E-16G-05N	0.37	0.50		212	200	183	162	136	93	62
L25P-8E-22G-05N	0.55	0.75		291	274	252	223	186	142	85

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3" SUBMERSIBLE PUMPS SET

G - Flow SERIES



Description : C.R.I. 3" *G-Flow* 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 S.S - 304 / 431. Pumps are multi stage centrifugal type. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency.

The pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. The dynamically balanced rotors and equipped with quality ball bearing maintain uniform clearance thereby giving better efficiency and increase the life cycle.

These *G-Flow* Submersible Pumpsets are supplied as a complete package i.e. Pump coupled to motor, with control box and 30meter submersible cable (optional) in a single package.

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

Applications :

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

Materials of Construction

PART NAME	MATERIAL
Discharge outlet	Casted S.S - 201
Suction inter connector	Casted S.S - 201
Pump Shaft	S.S - 304
Pump Outer Shell	S.S - 201
Impeller	Polyxymethylene
Diffuser	Polycarbonate
Motor Outer Shell	S.S - 201
Motor Upper Housing	Cast Iron with S.S Cover
Motor Shaft	S.S - 304 + Carbon Steel
Oil Seal	Nitrile Rubber (NBR)
Mechanical Seal	Carbon - Silicon
Diaphragm	Nitrile Rubber (NBR)

Specification

PART NAME	MATERIAL
Power Range	0.33 HP to 2.0 HP
Speed	3500 rpm
Version	1 Ph, 220V, 60Hz AC Supply 3 Ph, 380/460V, 60Hz AC Supply
Class of Insulation	B
Degree of Protection	IP 68
Type of Duty	S1 Continuous
Max. Liquid Temperature	33°C
Method of Starting	1 Ph, Permanent Split Capacitor (PSC)
Outlet Size	1" BSP

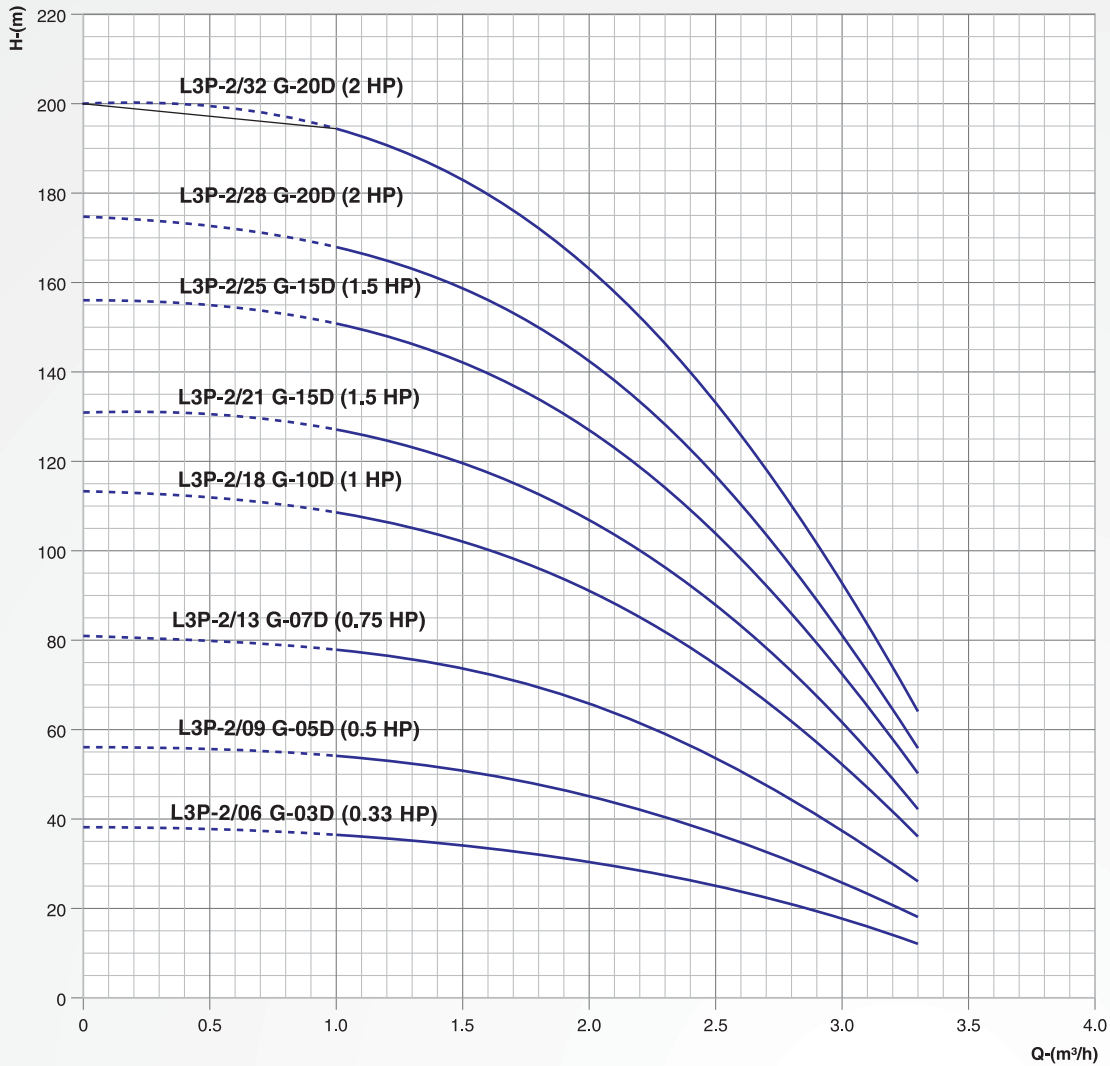


Performance Curves & Tables

Nominal Diameter : **3"**

Nominal Flow : **2m³/h**

Outlet Size : **1"**



PUMP MODEL	MOTOR POWER		m ³ /h lps	0	1.0	1.5	2.0	2.5	3.0	3.3
	kW	HP		0	0.27	0.41	0.55	0.69	0.83	0.91
L3P-2/06 G-03D	0.25	0.33	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	38	36	34	30	25	18	12
L3P-2/09 G-05D	0.37	0.5		56	54	51	45	37	26	18
L3P-2/13 G-07D	0.55	0.75		81	78	74	67	54	38	26
L3P-2/18 G-10D	0.75	1		113	110	103	99	75	53	36
L3P-2/21 G-15D	1.1	1.5		131	127	120	117	88	62	42
L3P-2/25 G-15D	1.1	1.5		156	152	143	128	105	73	50
L3P-2/28 G-20D	1.5	2		175	169	160	144	117	82	56
L3P-2/32 G-20D	1.5	2		200	195	183	164	134	94	64

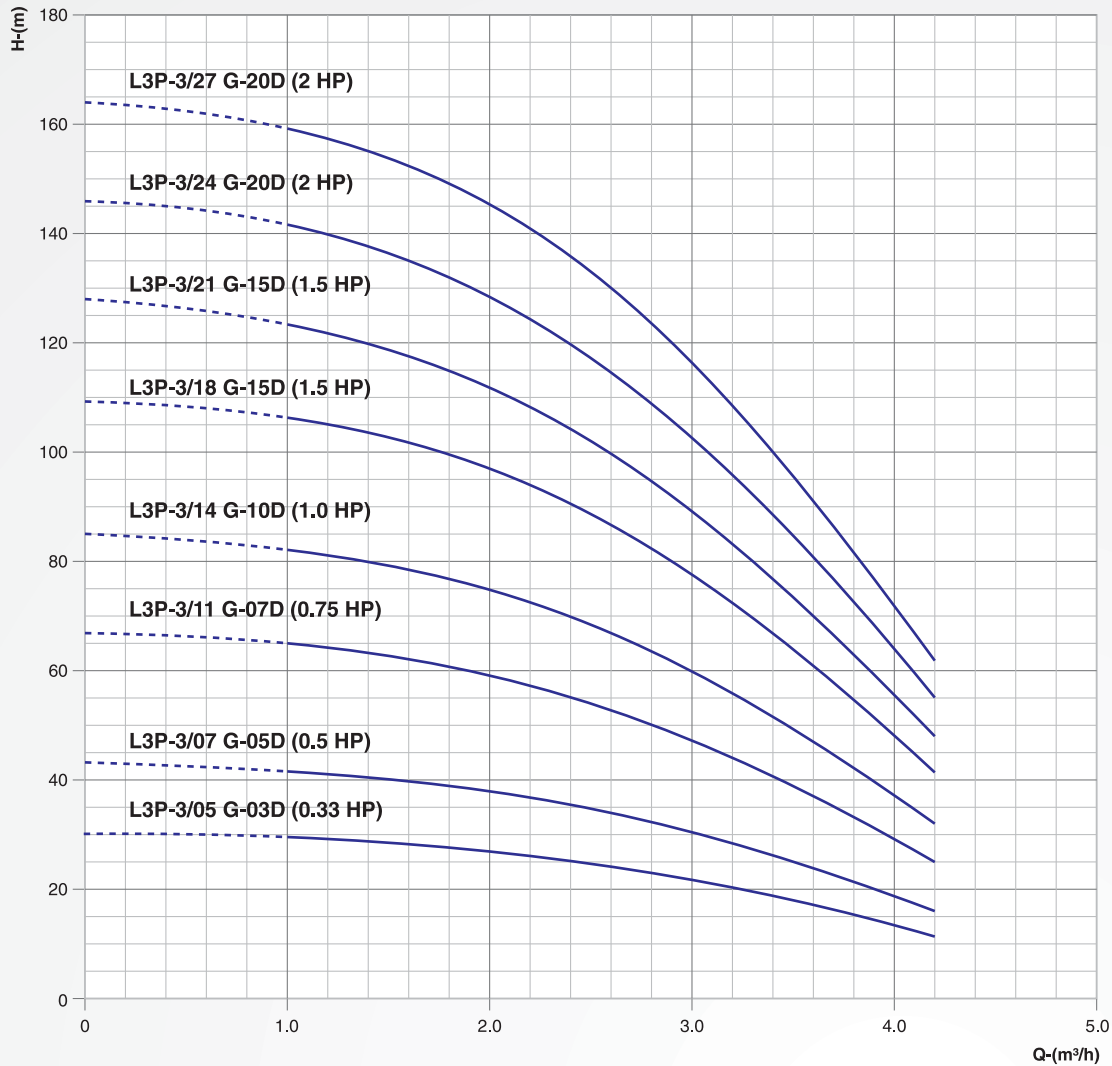
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Performance Curves & Tables

Nominal Diameter : **3"**

Nominal Flow : **3m³/h**

Outlet Size : **1"**



PUMP MODEL	MOTOR POWER		m ³ /h	0	1.0	2.0	3.0	4.0	4.2
	kW	HP		0	0.27	0.55	0.83	1.11	1.16
L3P-3/05 G-03D	0.25	0.33	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	30	29	27	21	13	11
L3P-3/07 G-05D	0.37	0.5		43	42	38	30	19	16
L3P-3/11 G-07D	0.55	0.75		67	65	59	47	29	25
L3P-3/14 G-10D	0.75	1		85	82	75	60	37	32
L3P-3/18 G-15D	1.1	1.5		109	106	96	77	48	41
L3P-3/21 G-15D	1.1	1.5		128	124	113	89	55	48
L3P-3/24 G-20D	1.5	2		146	142	129	102	64	55
L3P-3/27 G-20D	1.5	2		164	159	145	115	71	62

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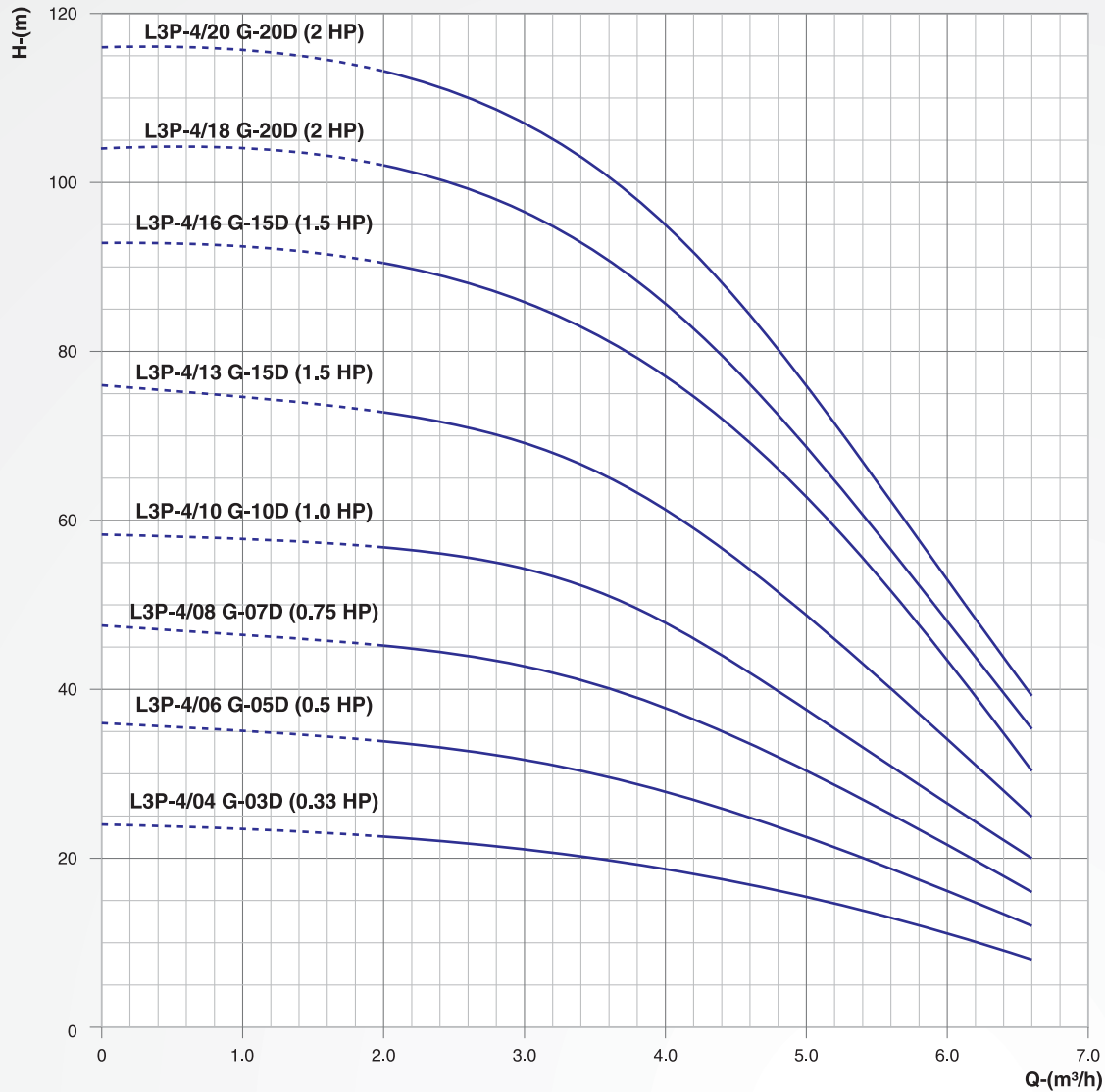


Performance Curves & Tables

Nominal Diameter : **3"**

Nominal Flow : **4m³/h**

Outlet Size : **1"**



PUMP MODEL	MOTOR POWER		m ³ /h	0	2.0	3.0	4.0	5.0	6.0	6.6
	kW	HP								
			lps	0	0.55	0.83	1.11	1.38	1.66	1.83
L3P-4/04 G-03D	0.25	0.33	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	24	22	21	19	15	11	8
L3P-4/06 G-05D	0.37	0.5		36	34	32	28	23	16	12
L3P-4/08 G-07D	0.55	0.75		47	45	43	38	30	21	16
L3P-4/10 G-10D	0.75	1		58	57	54	48	37	26	20
L3P-4/13 G-15D	1.1	1.5		76	73	70	62	49	34	25
L3P-4/16 G-15D	1.1	1.5		93	90	86	77	62	42	31
L3P-4/18 G-20D	1.5	2		104	102	96	86	69	48	35
L3P-4/20 G-20D	1.5	2		116	113	107	95	76	53	39

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