GENERAL PUMPS

DOMESTIC PUMPS
50 Hz

www.pumpsgp.com

GNP050, GNP100

Non Self - Priming Pumps

Construction

- The GNP050, GNP100 pumps are non self priming, horizontal, single-stage, centrifugal pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port.

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials. (solids content up to 0.2%)
- For water supply to small home.
- For civil and industrial water circulation applications.
- As pressure boosting pumps for domestic & industrial applications.
- For washing applications.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature up to 90°C.
- Ambient temperature up to 45°C.
- Total suction lift up to 8 m.
- Continuous duty.

Motor

- 2-pole induction motor, 50 Hz (n = 2900 RPM)
- Single phase 230V +5% -15% with thermal protection.
- Insulation class B.
- Protection IP 44.
- Constructed in accordance with IEC 34.
- Available in 60 Hz.

Special Features on Request

- Other voltages.
- Available in three phase.
- Special mechanical seal.
- Higher liquid or ambient temperatures.

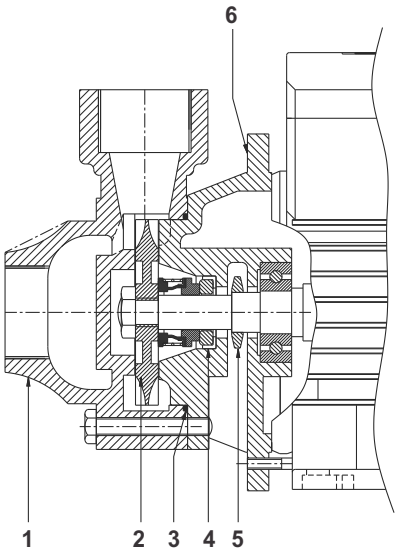
Direction of rotation

Clockwise as seen from the motor rear end.

Materials

Pos.	Component	Material
1	Pump Casing	Cast Iron
2	Impeller	Brass
3	'O' Ring for Pump Casing	Rubber
4	Mechanical Seal	Carbon/Ceramic
5	Water Thrower	Rubber
6	Adapter	Cast Iron

Sectional drawing



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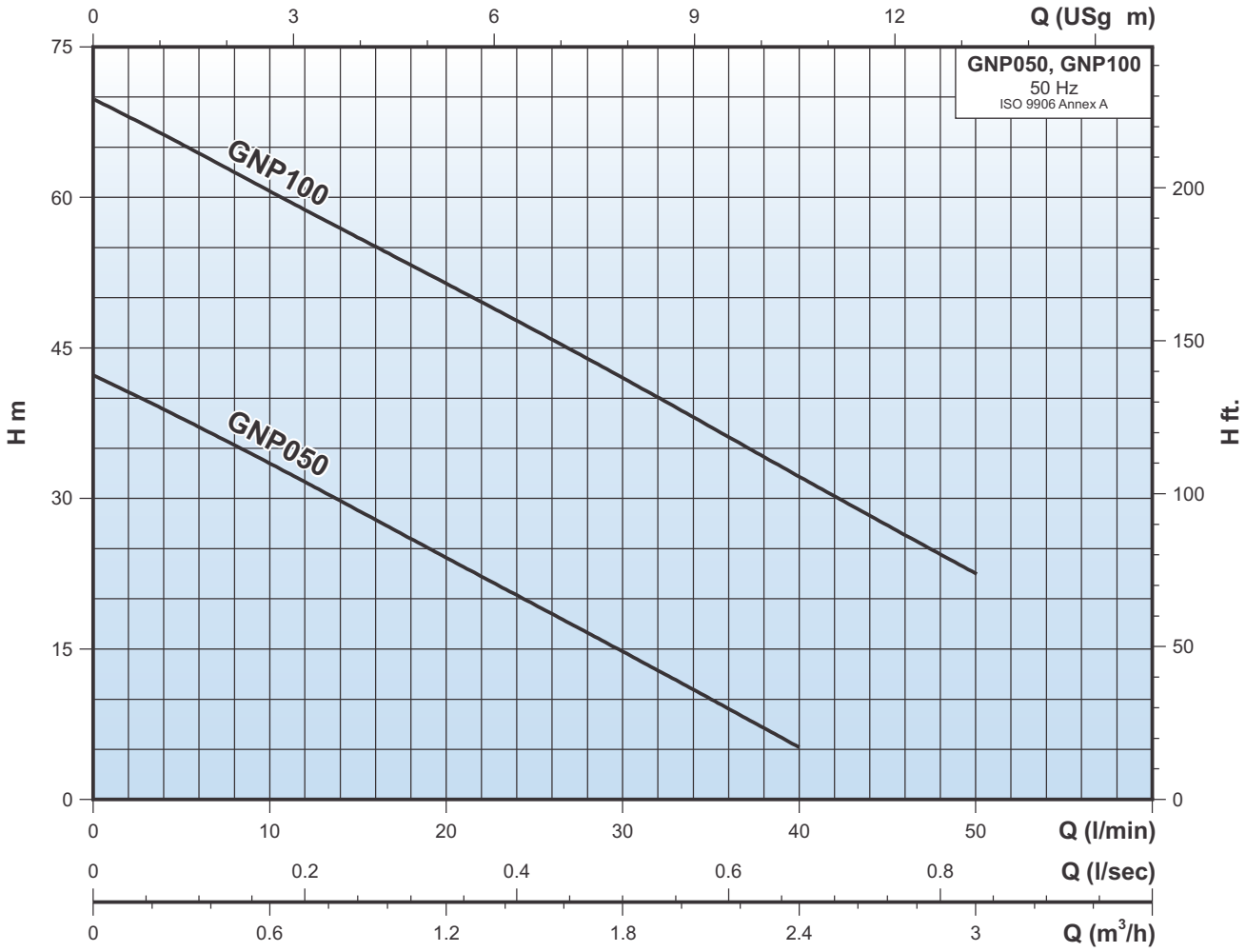
Performance Curve



Performance data For Centrifugal Pumps

MODEL	POWER		Pipe Size [mm]	Q m^3/h	n = 2900 rpm					
					0.6	1.2	1.5	1.8	2.1	2.4
	KW	HP		l/min	10	20	25	30	35	40
GNP050	0.37	0.50	25 X 25	H (m)	33.5	24	19	15	10	5

MODEL	POWER		Pipe Size [mm]	Q m^3/h	n = 2900 rpm				
					0.6	1.2	1.8	2.4	3.0
	KW	HP		l/min	10	20	30	40	50
GNP100	0.75	1.00	25 X 25	H (m)	60	51	42	32	22

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Construction

- The GCP100-22, GCP150-32, GCP200-55 and GCP300-77 pumps are non self priming, horizontal, single-stage, centrifugal pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port.

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials. (solids content up to 0.2%)
- For water supply to small home.
- For heating, cooling, air-conditioning and circulation plants.
- For civil and industrial water circulation applications.
- As pressure boosting pumps for domestic & industrial applicatins.
- For irrigation.
- For washing application.

Operating Conditions

- Liquid temperature up to 90°C.
- Ambient temperature up to 45°C.
- Total suction lift up to 8 m.
- Continuous duty.

Motor

- 2-pole induction motor, 50 Hz (n = 2900 RPM)
- Single phase 230V +5% -15% with thermal protection.
- Insulation class B.
- Protection IP 44.
- Constructed in accordance with IEC 34.
- Available in 60 Hz.

Special Features on Request

- Other voltages.
- Available in three phase.
- Available in Noryl impeller.
- Special mechanical seal.
- Higher liquid or ambient temperatures.

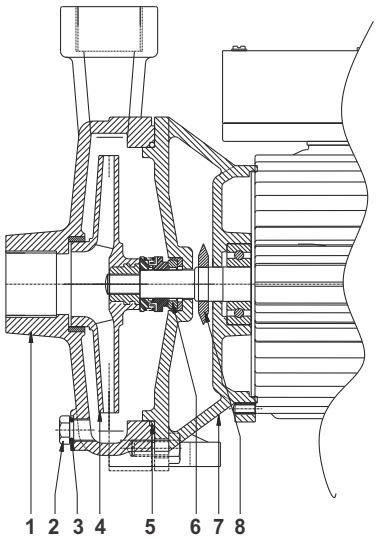
Direction of rotation

Clockwise as seen from the motor rear end.

Materials

Pos.	Component	Material
1	Volute	Cast Iron
2	Drainage Plug	Brass
3	'O' Ring	Rubber
4	Impeller	Brass
5	'O' Ring	Rubber
6	Mechanical Seal	Ceramic/Carbon
7	Adaptor	Cast Iron
8	Water Thrower	Rubber

Sectional drawing



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Performance data For Centrifugal Pumps

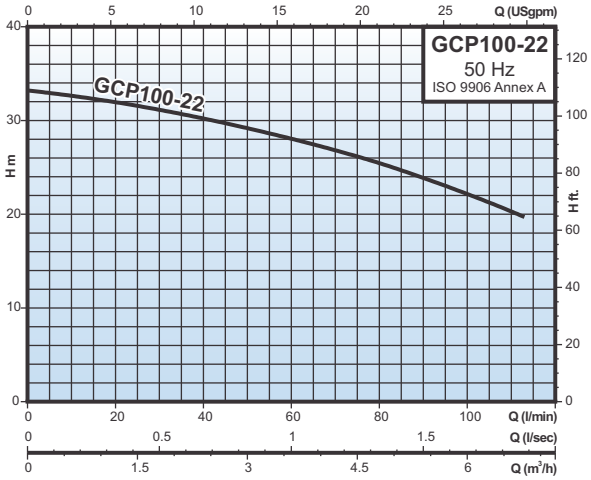
MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm									
	KW	HP			1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	7.2
				l/min	20	30	40	50	60	70	80	90	100	120
GCP100-22	0.75	1.00	25x25	H mts.	32	31	30	29	28	27	25.5	24	22	19.5

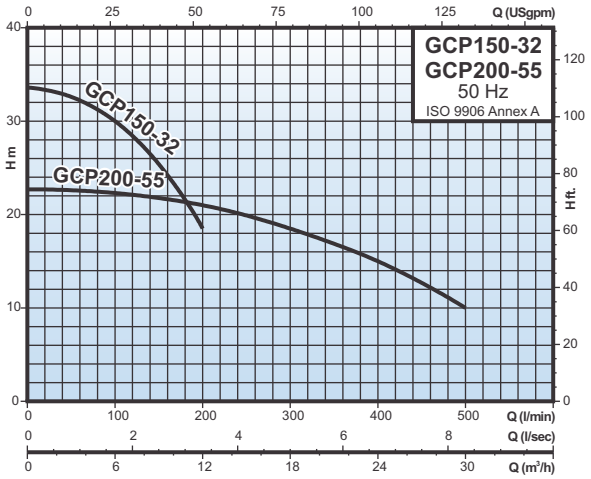
MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm						
	KW	HP			3.0	4.5	6.0	7.5	9.0	10.5	12.0
				l/min	50	75	100	125	150	175	200
GCP150-32	1.10	1.50	32x25	H mts.	32.5	31.5	30	28	25	22	18.5

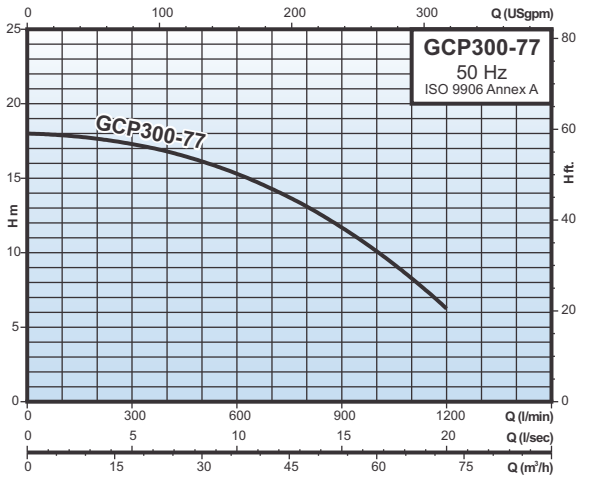
MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm				
	KW	HP			6.0	12.0	18.0	24.0	30.0
				l/min	100	200	300	400	500
GCP200-55	1.50	2.00	50x50	H mts.	22.5	21	18.5	15	10

MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm									
	KW	HP			18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
				l/min	300	400	500	600	700	800	900	1000	1100	1200
GCP300-77	2.20	3.00	75x75	H mts.	17.5	17	16	15	14	13	11.5	10	8	6

Performance Curve







Construction
- The GCP100-55, GCP150-55, GCP200-55, GCP200-54 & GCP300-77 pumps are non self priming, horizontal, single-stage, centrifugal pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port.

Applications
- For clean liquids without abrasives, which are non-aggressive for the pump materials. (solids content up to 0.2%)
- For water supply.
- For heating, cooling, air-conditioning and circulation plants.
- For civil and industrial applications.
- As pressure boosting pumps for central water systems.
- For irrigation.

Operating Conditions
- Liquid temperature up to 90°C.
- Ambient temperature up to 45°C.
- Total suction lift up to 8 m.
- Continuous duty.

Motor
- 2-pole induction motor, 50 Hz (n = 2900 RPM)
- Single phase 230V +5% -15% with thermal protection.
- Insulation class B.
- Protection IP 44.
- Constructed in accordance with IEC 34.
- Available in 60 Hz.

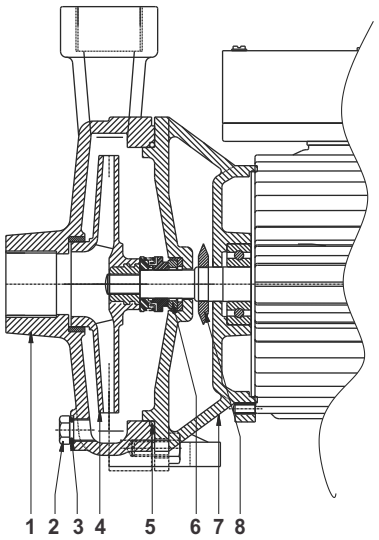
Special Features on Request
- Other voltages.
- Available in three phase.
- Available Brass impeller.
- Special mechanical seal.
- Higher liquid or ambient temperatures.

Direction of rotation
Clockwise as seen from the motor rear end.

Materials

Pos.	Component	Material
1	Volute	Cast Iron
2	Drainage Plug	Brass
3	'O' Ring	Rubber
4	Impeller	Noryl
5	'O' Ring	Rubber
6	Mechanical Seal	Ceramic/Carbon
7	Adaptor	Cast Iron
8	Water Thrower	Rubber

Sectional drawing



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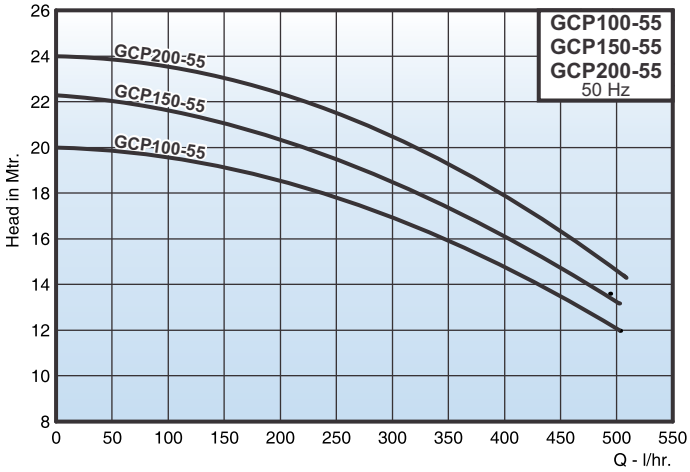
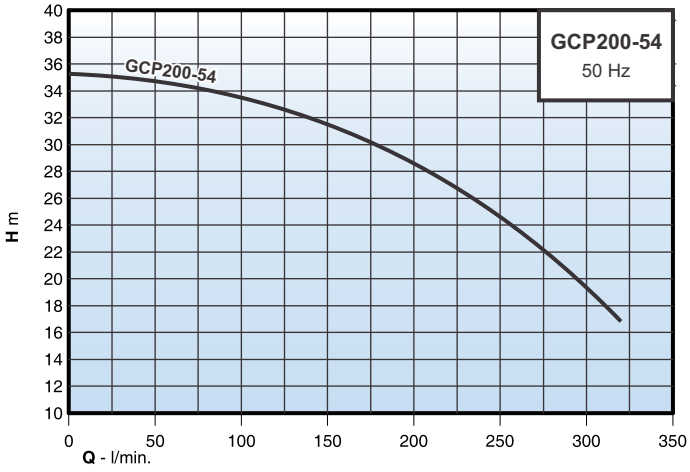
Performance Curve



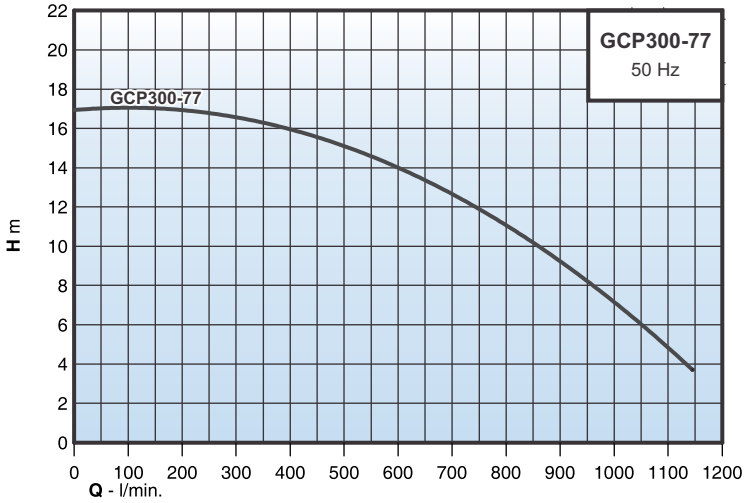


Performance data For Centrifugal Pumps

MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm										
	KW	HP			0	3	6	9	12	15	18	21	24	27	30
				l/min	0	50	100	150	200	250	300	350	400	450	500
*GCP100-55	0.75	1.0	50x50	H mts.	20.0	19.8	19.2	19.0	18.4	17.8	17.0	16.0	14.4	13.8	-
*GCP150-55	1.1	1.5	50x50		22.5	22.0	21.8	21.1	20.2	19.8	18.4	17.3	16.2	14.3	-
*GCP200-55	1.5	2.0	50x50		24.0	23.7	23.4	23.0	22.5	21.6	20.5	19.3	18.0	16.5	15.0
GCP200-54	1.5	2.0	50x40		35.0	-	-	33.8	28.3	24.5	19.5	-	-	-	-

Note : * This pump are with side delivery.

Performance Curve



Performance data For Centrifugal Pumps

MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm										
	KW	HP			0	12	18	24	30	36	42	48	54	60	66
				l/min	0	200	300	400	500	600	700	800	900	1000	1100
GCP300-77	2.2	3.0	75x75	H mts.	17.0	16.8	16.5	16.0	15.0	14.0	12.8	11.0	9.0	7.0	4.8

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GSJ050-22, GSJ100-22
GSJ150-32, GSJ200-32

Self - Priming Jet Pumps

Motor

- 2-pole induction motor, 50 Hz (n = 2900 RPM)
- Single phase 230V +5% -15% with thermal protection.
- Insulation class B.
- Protection IP 44.
- Constructed in accordance with IEC 34.
- Available in 60 Hz.

Special Features on Request

- Other voltages.
- Available in three phase.
- Special mechanical seal.
- Higher liquid or ambient temperatures.

Construction

- The GSJ050-22, GSJ100-22, GSJ150-32 & GSJ200-32 pumps are self priming, horizontal, single-stage, centrifugal jet pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port.

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials. (solids content up to 0.2%)
- For water supply.
- For heating, cooling, air-conditioning and circulation plants.
- As pressure boosting pumps for central water systems.
- For watering gardens.
- For washing applications.

Operating Conditions

- Liquid temperature up to 90°C.
- Ambient temperature up to 45°C.
- Total suction lift up to 9 m.
- Continuous duty.

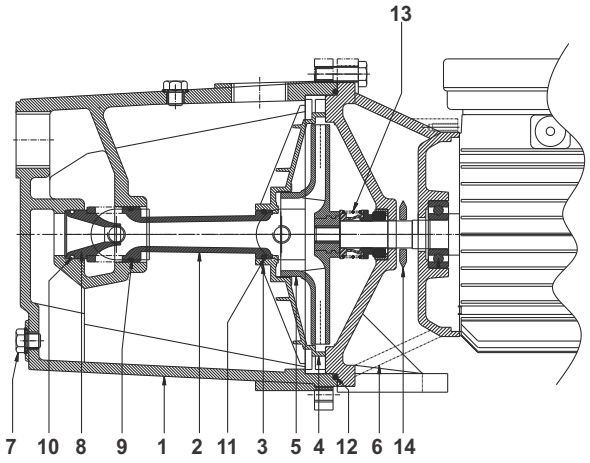
Direction of rotation

Clockwise as seen from the motor rear end.

Materials

Pos.	Component	Material
1	Pump Casing	Cast Iron
2	Ejector	Noryl
3	Diffuser Plate	Cast Iron
4	Diffuser	Noryl
5	Impeller	Brass
6	Adaptor	Cast Iron
7	Drainage Plug	Brass
8	Nozzle	Noryl
9	'O' for Ejector Front Side	Rubber
10	'O' for Nozzle	Rubber
11	'O' for Ejector Back Side	Rubber
12	'O' for Pump Casing	Rubber
13	Mechanical Seal	Ceramic/Carbon
14	Water Thrower	Rubber

Sectional drawing



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Performance data For Centrifugal Pumps

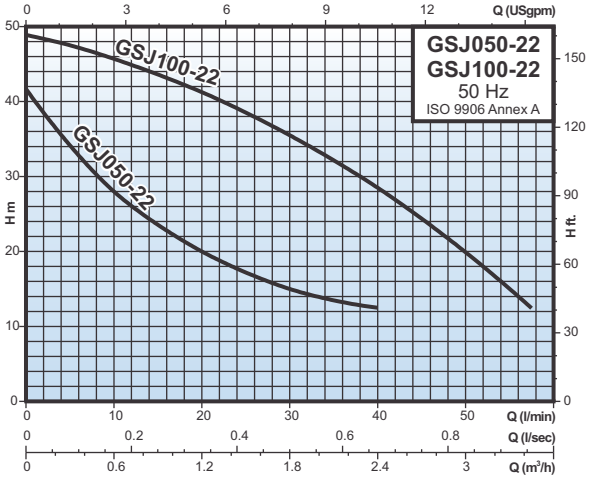
MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm					
	KW	HP			0.6	1.2	1.5	1.8	2.1	2.4
				l/min	10	20	25	30	35	40
GSJ050-22	0.37	0.50	25x25	H mts.	28	20	17	15	13.5	12.5

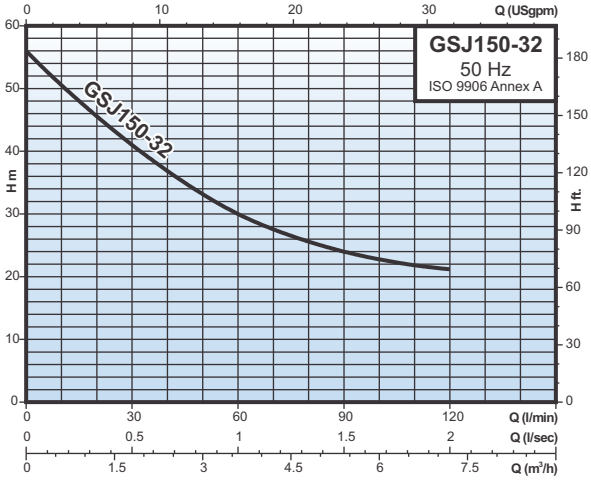
MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm					
	KW	HP			0.6	1.2	1.8	2.4	3.0	3.5
				l/min	10	20	30	40	50	57.5
GSJ100-22	0.75	1.00	25x25	H mts.	45.5	41	35.5	28.5	20	12.5

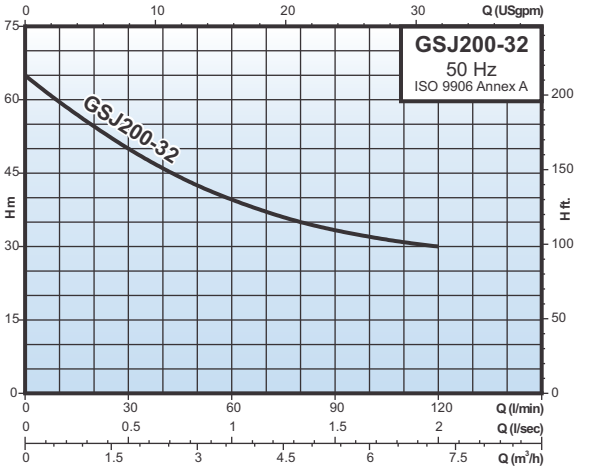
MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm									
	KW	HP			1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
				l/min	30	40	50	60	70	80	90	100	110	120
GSJ150-32	1.10	1.50	32x25	H mts.	41	36.9	33	30	27.5	25.5	24	23	22	21

MODEL	POWER		Pipe Size [mm]	Q m³/h	n = 2900 rpm									
	KW	HP			1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
				l/min	30	40	50	60	70	80	90	100	110	120
GSJ200-32	1.50	2.00	32x25	H mts.	50	46	42.5	39.5	37	35	33	32	31	30

Performance Curve







GSJS075-22, GSJS100-22, GSJS120-22

Self - Priming Centrifugal Pumps

Construction

- The GSJS075-22, GSJS100-22 & GSJS120-22 pumps are self priming, horizontal, single-stage, centrifugal pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port.

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials. (solids content up to 0.2%)
- For water supply.
- For heating, cooling, air-conditioning and circulation plants.
- As pressure boosting pumps for central water systems.
- For watering gardens.
- For washing applications.

Operating Conditions

- Liquid temperature up to 90°C.
- Ambient temperature up to 45°C.
- Total suction lift up to 9 m.
- Continuous duty.

Direction of rotation

Clockwise as seen from the motor rear end.

Motor

- 2-pole induction motor, 50 Hz (n = 2900 RPM)
- Single phase 230V +5% -15% with thermal protection.
- Insulation class B.
- Protection IP 44.
- Constructed in accordance with IEC 34.
- Available in 60 Hz.

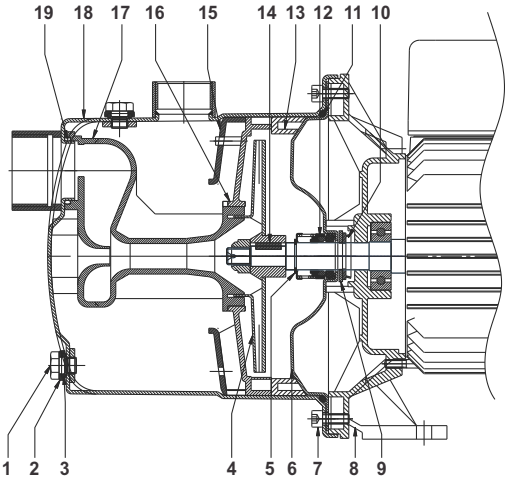
Special Features on Request

- Other voltages.
- Available in three phase.
- Special mechanical seal.
- Higher liquid or ambient temperatures.

Materials

Pos.	Component	Material
1	Drainage Plug	AISI 410
2	'O' Ring Cover Washer	AISI 410
3	Plug 'O' Ring	Rubber
4	Impeller	AISI 304
5	Extranal Circlip	Spring Steel
6	Pump Casing Cover	AISI 304
7	Socket Head Cap Screw	Stainless Steel
8	Adaptor	Aluminum
9	Water Thrower	Rubber
10	'V' Seal	Rubber
11	'O' Ring for Pump Casing	Rubber
12	Mechanical Seal	Carbon/Ceramic
13	Diffuser Front Cover	Noryl
14	Key	AISI 410
15	Diffuser Back Cover	Noryl
16	Diffuser	Noryl
17	Ejector	Noryl
18	Pump Casing	AISI 304
19	'O' Ring for Ejector	Rubber

Sectional drawing



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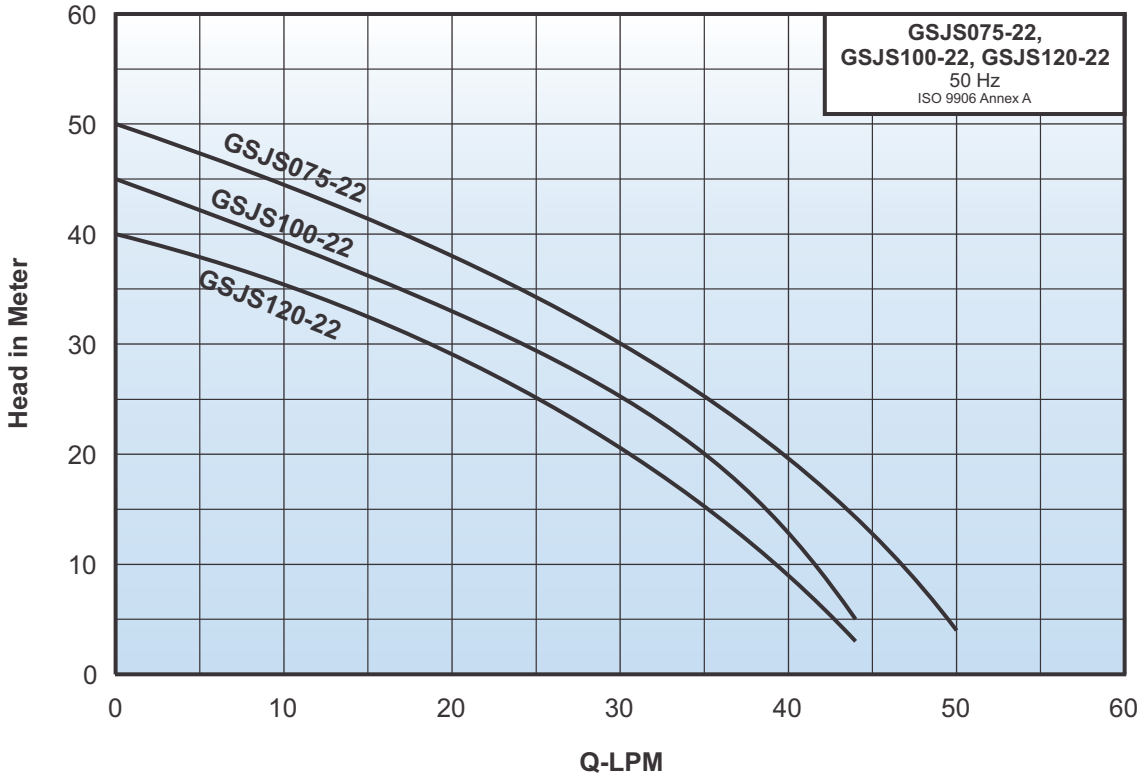
Performance Curve



Performance data For Centrifugal Pumps

MODEL	KW	HP	Pipe Size [mm]	l/min	0	9	17	24	30	35.7	39	43.3	46.5	50
GSJS075-22	0.55	0.75	25x25	H (m)	50	45	40	35	30	25	21	15	10	4

MODEL	KW	HP	Pipe Size [mm]	l/min	0	5	10	15	20	25	30	35	40	44
GSJS100-22	0.75	1.0	25x25	H (m)	45	42	39	36	33	29.5	25.5	20	12.7	5

MODEL	KW	HP	Pipe Size [mm]	l/min	0	11	19	25	30	35	39.5	43	44	50
GSJS120-22	0.9	1.25	25x25	H (m)	40	35	30	24	20.5	15	10	5	3	0

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GHMC, GHMFC — Horizontal Multi-Stage Centrifugal Pumps

Construction

- The GHMC pumps are non-self priming, horizontal, multistage, centrifugal pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have suction port above pump axis and radial discharge port.
- Suction chamber and delivery chamber are made of cast iron, and they are painted in glossy black.

Applications

- For suitable liquids which are thin, clean, non-explosive, non-aggressive, not containing solid particles or fibers.
- For water supply systems.
- As pressure boosting pump for central water systems with low pressure (follow local specifications if increasing network pressure).
- For civil and industrial applications.
- For fire fighting applications.
- For irrigation.
- For garden use.

Direction of rotation

Clockwise as seen from the motor rear end.

Operating conditions

Flow range	: Up to 10.5 m³/h
Head range	: Up to 67 metres
Ambient temperature	: Max. +45°C
Liquid temperature range	: 0°C to +90°C
Total suction lift	: Max. 8 metres
Duty rating	: Continuous.

Motor

The pump is fitted with a Totally Enclosed Fan Cooled, 2-pole induction motor with principal dimensions in accordance with the IEC 60034 standards.

Rated speed	: 2900 rpm
Enclosure class	: IP 44
Insulation class	: B
Standard voltages (Tolerance +5% / -15%)	: 0.55 - 1.5 kW: 1 x 230 V
Supply frequency	: 50 Hz.

Single-phase motors have built-in thermal overload protection.
Capacitor inside the terminal box.

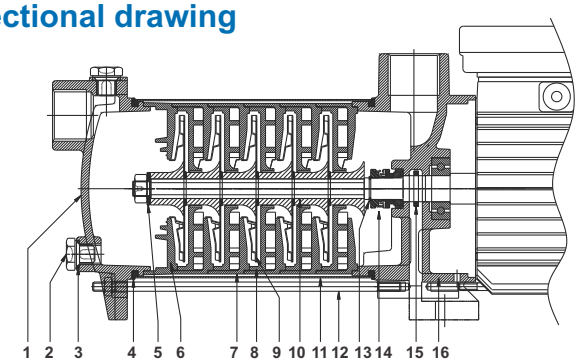
Special features on request

Other voltages.
Available in three phase.
Special mechanical shaft seal.
Frequency 60 Hz.

Materials

Pos.	Component	Material
1	Suction Chamber	Cast Iron
2	Drainage Plug	Polypropylene
3	Plug 'O' Ring	Rubber
4	Gasket	Rubber
5	Impeller Support Washer	AISI 202
6	Bowl-1	Noryl
7	Bowl-2	Noryl
8	Guide Vane	Noryl
9	Impeller	AISI 304
10	Sleeve	Noryl
11	Jacket Body	AISI 202
12	Pump Fitting Stud with Nut	Chrome Plated
13	External Circlip	Spring Steel
14	Mechanical Seal	Ceramic/Carbon
15	Water Thrower	Rubber
16	Delivery Chamber	Cast Iron

Sectional drawing



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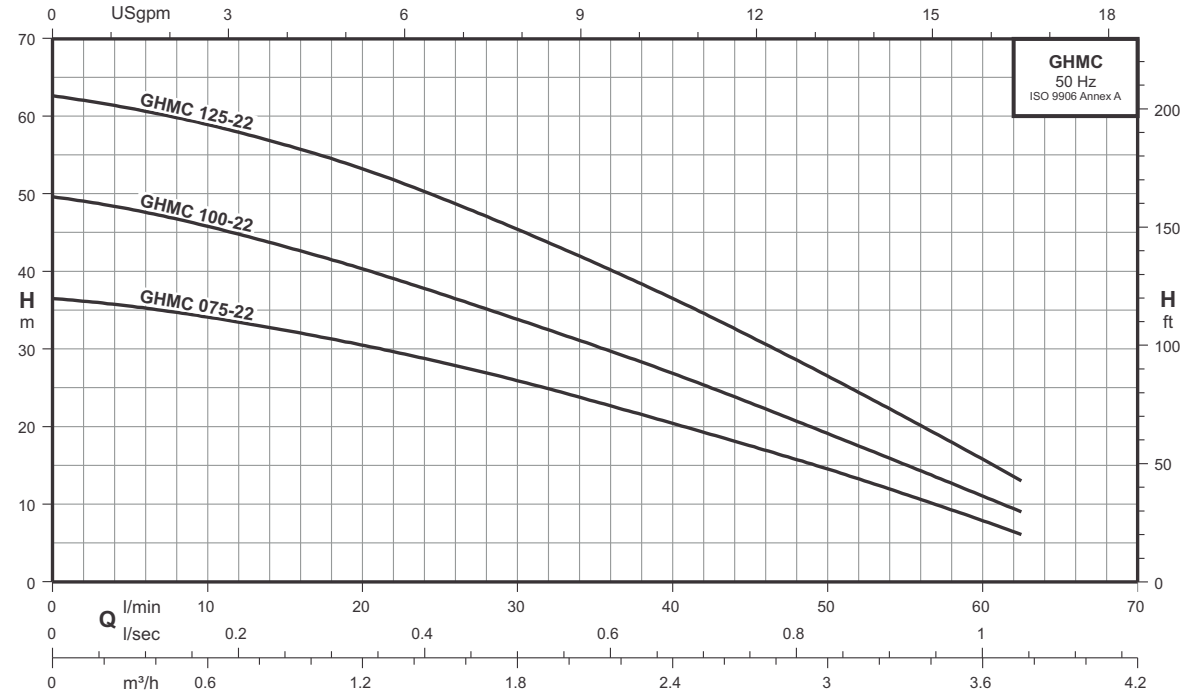
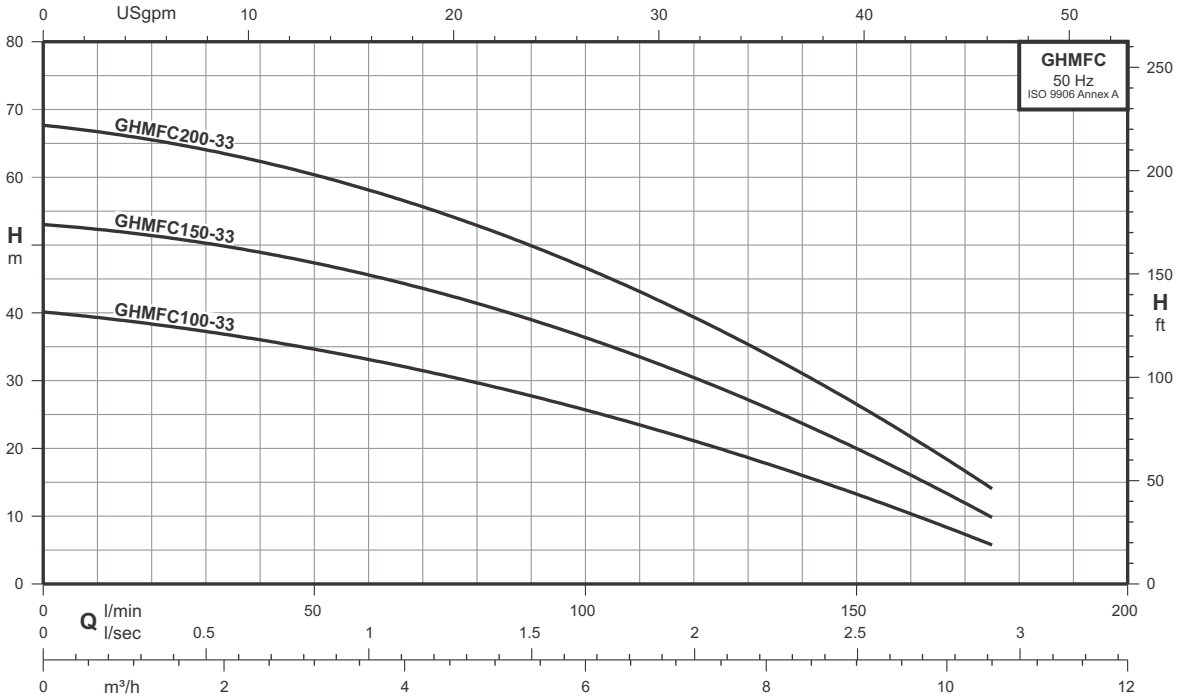
Characteristic Curves, Dimensions and Weights



Pump type	Motor power		Pipe Size	Q m³/h	0	0.6	1.2	1.8	2.4	3	3.6	3.8
	kW	HP	[mm]	Q l/min	0	10	20	30	40	50	60	62.5
GHMC 075-22	0.55	0.75	25x25	H m	37	34	30	26	20	15	8	6
GHMC 100-22	0.75	1.00	25x25		50	46	40	34	27	19	11	9
GHMC 125-22	0.9	1.25	25x25		63	59	53	45	37	27	16	13



Pump type	Motor power		Pipe Size	Q m³/h	0	1	2	3	4.5	6	7.5	9	10.5
	kW	HP	[mm]	Q l/min	0	17	33	50	75	100	125	150	175
GHMFC100-33	0.75	1.00	32x32	H m	40	39	37	35	31	26	20	13	6
GHMFC150-33	1.10	1.50	32x32		53	52	50	47	43	37	28	20	10
GHMFC200-33	1.50	2.00	32x32		67	66	64	61	54	47	37	27	14

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GHM, GHMN — Horizontal Multi-Stage End-Suction Pumps

Construction

- The GHM and GHMN pumps are non-self priming, horizontal, multistage, centrifugal pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port and are mounted on a base plate.
- These pumps are available in two basic versions.
- **GHM**: Pump stages as well as all moving parts in contact with the pumped liquid are made of stainless steel AISI 304. Discharge casing and suction casing are grey iron, base plate is steel and they are painted in glossy black.
- **GHMN**: Discharge casing, suction casing as well as all parts in contact with the pumped liquid are made of stainless steel AISI 304.
- The pump is CE marked.

Applications

The GHM and GHMN pumps are designed for small domestic and industrial water supply systems.

Applications include

- Liquid transfer and circulation of liquids within light industry & farming.
- Pressure boosting in single-pump and multi-pump booster systems.
- Domestic water supply.
- Cooling systems.
- Air-conditioning systems.

Pumped liquids

GHM: Thin, clean, non-aggressive and non-explosive liquids without solid particles or fibers.

GHMN: Thin, clean, slightly aggressive and non-explosive liquids without solid particles or fibers.

Special features on request

- Other voltages.
- Special mechanical shaft seal.
- Available in 3 phase on request.
- Frequency 60 Hz.

Direction of rotation

Anticlockwise as seen from the motor rear end.

Operating conditions

Flow range : 0.5 - 8 m³/h
Head range : Up to 57 metres
Ambient temperature : Max. +45°C
Liquid temperature range : 0°C to +90°C.

The maximum operating pressure depends on the temperature of the pumped liquid, see the below table:

Pump type	Max. Operating pressure	
	1 Mpa (10 bar)	0.6 Mpa (6 bar)
	Temperature of the pumped liquid	
GHM 2, GHMN 2 GHM 4, GHMN 4	0°C to +45°C	+41°C to +90°C

Min. inlet pressure : According to the NPSH curve + a safety margin of 1 metres.
Max. inlet pressure : Limited by the maximum operating pressure.

Motor

The pump is fitted with a Totally Enclosed Fan Cooled, squirrel-cage General Pump motor.

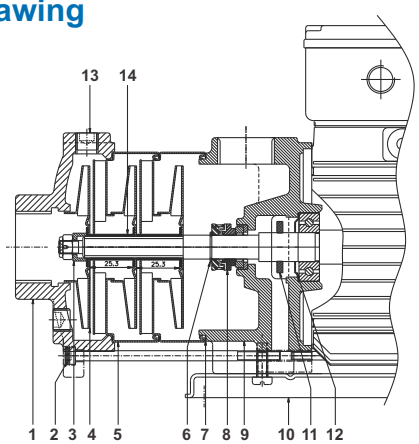
Rated speed : 2900 rpm
Enclosure class : IP 54
Insulation class : B
Standard voltages : 0.37 - 1.1 kW: 1 x 220-240 V
0.37 - 1.1 kW: 3 x 220-240/380-415 V
Nos. of starts/hour : Max. 100
Supply frequency : 50 Hz.

Single-phase motors have built-in thermal overload protection.

Materials

Pos.	Component	Material
1	Suction Chamber	Cast Iron
2	Hex Head Bolt	Zinc Plated
3	Impeller Lock Bush	AISI 304
4	Impeller	AISI 304
5	Bowl	AISI 304
6	Circlip	Spring Steel
7	Paper Packing	Oil Paper
8	Mechanical Seal	Ceramic/Carbon
9	Delivery Chamber	Cast Iron
10	Base Plate	M.S.
11	Water Thrower	Rubber
12	Bearing Washer	AISI 304
13	Impeller Support Bush	AISI 304
14	Drain Plug	M.S.

Sectional drawing



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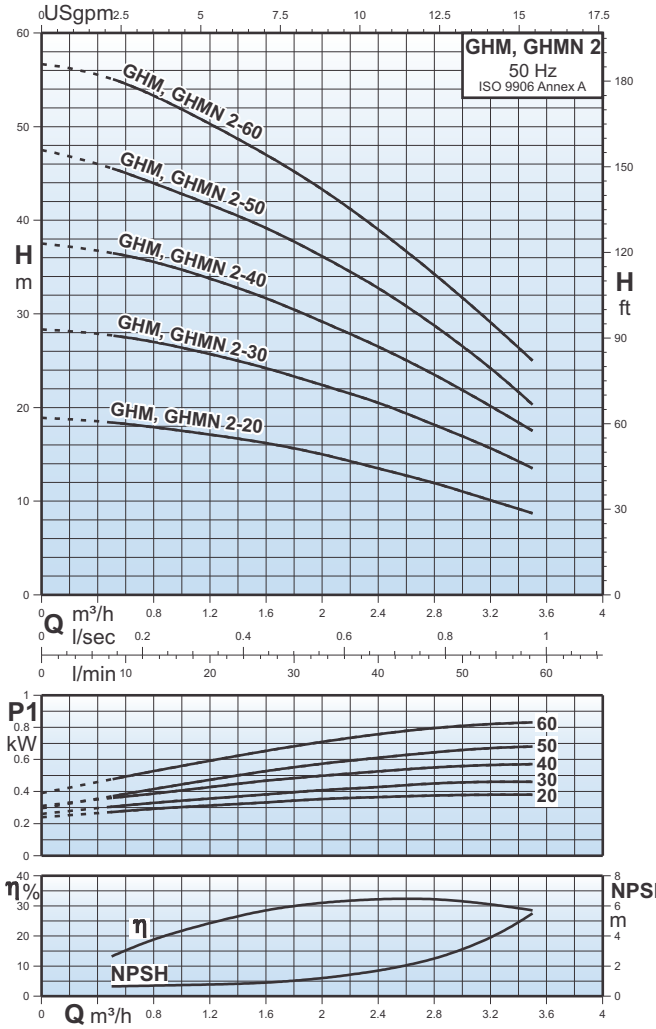
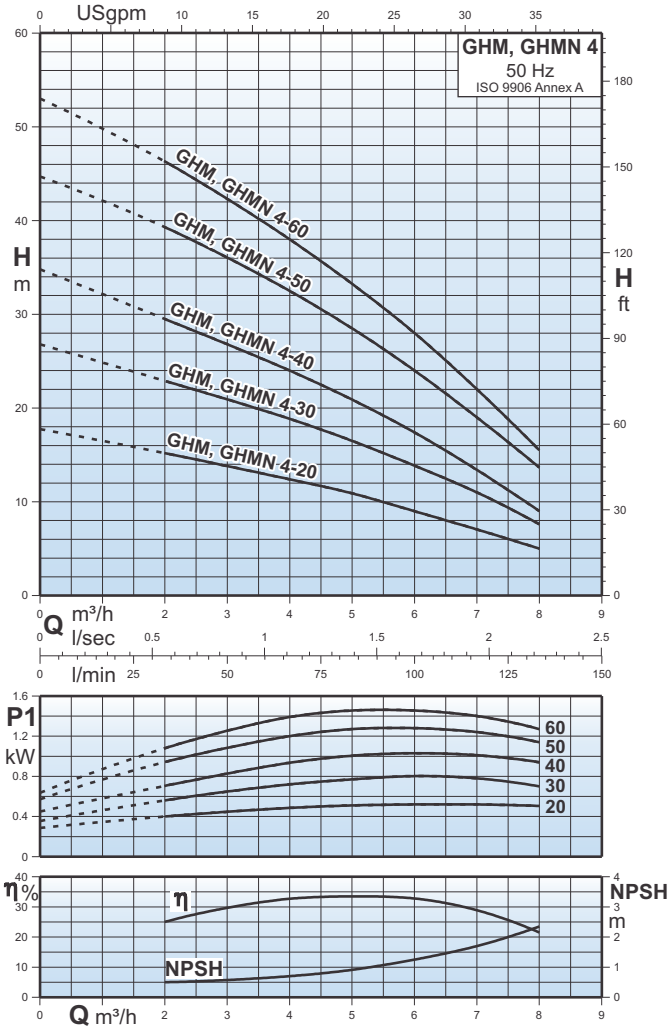
Characteristic Curves



- Nominal flow rate : 2.6 m³/h
- Flow range : 0.5 - 3.5 m³/h
- Head range : Up to 57 metres
- Max. pump efficiency (η) : 32.2%
- Motor power : 0.37 - 0.75 kW
- RPM : 2900
- Pipe connection : G 1 - Suction & Discharge port



- Nominal flow rate : 5 m³/h
- Flow range : 2 - 8 m³/h
- Head range : Up to 53 metres
- Max. pump efficiency (η) : 33.5%
- Motor power : 0.37 - 1.1 kW
- RPM : 2900
- Pipe connection : 32 mm. Suction port
  25 mm. Discharge port.

Pump type	Watts	Q m³/h	0	1.6	2.0	2.4	2.8	3.2	3.5
		Q l/min	0	26.7	33.3	40.0	46.7	53.3	58.3
GHM, GHMN 2-20	420	H m	19	16	15	14	12	10	9
GHM, GHMN 2-30	480		28	24	22	21	18	16	14
GHM, GHMN 2-40	570		38	32	29	27	24	20	18
GHM, GHMN 2-50	680		48	39	36	33	29	24	20
GHM, GHMN 2-60	800		57	47	43	39	34	29	25

Pump type	Watts	Q m³/h	0	2.0	4.0	5.0	6.0	7.0	8.0
		Q l/min	0	33.3	66.7	83.3	100	116.7	133.3
GHM, GHMN 4-20	540	H m	18	15	12	11	9	7	5
GHM, GHMN 4-30	840		27	23	19	17	14	11	8
GHM, GHMN 4-40	1160		35	30	24	21	17	13	9
GHM, GHMN 4-50	1300		45	39	33	29	24	19	14
GHM, GHMN 4-60	1460		53	46	38	33	28	22	16

Motor Electrical Data

Pump type	Watts	Phase	Frame size	Voltage [V]	$I_{1/1}$ [A]	I_{start} [A]	C [µF/V]
GHM, GHMN 2-20	420	1	71	220-240	2.2	10.5	10/400
GHM, GHMN 2-30	480	1	71	220-240	2.3	10.5	10/400
GHM, GHMN 2-40	570	1	71	220-240	2.6	10.5	10/400
GHM, GHMN 2-50	680	1	71	220-240	2.9	10.5	10/400
GHM, GHMN 2-60	800	1	71	220-240	3.7	13.0	16/400
GHM, GHMN 2-20	380	3	71	220-240Δ /380-415Y	1.6/0.9	11.4/6.6	-
GHM, GHMN 2-30	460	3	71	220-240Δ /380-415Y	1.7/1.1	11.4/6.6	-
GHM, GHMN 2-40	570	3	71	220-240Δ /380-415Y	1.9/1.1	11.4/6.6	-
GHM, GHMN 2-50	680	3	71	220-240Δ /380-415Y	2.35/1.25	11.4/6.6	-
GHM, GHMN 2-60	820	3	71	220-240Δ /380-415Y	2.55/1.35	11.4/6.6	-

Pump type	Watts	Phase	Frame size	Voltage [V]	$I_{1/1}$ [A]	I_{start} [A]	C [µF/V]
GHM, GHMN 4-20	540	1	71	220-240	2.3	11.0	16/400
GHM, GHMN 4-30	840	1	71	220-240	3.9	21.0	25/400
GHM, GHMN 4-40	1160	1	71	220-240	3.9	21.0	25/400
GHM, GHMN 4-50	1300	1	80	220-240	5.8	29.0	30/400
GHM, GHMN 4-60	1460	1	80	220-240	6.7	29.0	50/400
GHM, GHMN 4-20	560	3	71	220-240Δ /380-415Y	1.9/1.0	11.4/6.6	-
GHM, GHMN 4-30	820	3	71	220-240Δ /380-415Y	2.3/1.3	11.4/6.6	-
GHM, GHMN 4-40	965	3	71	220-240Δ /380-415Y	2.8/1.6	11.4/6.6	-
GHM, GHMN 4-50	1320	3	80	220-240Δ /380-415Y	4.0/2.3	26.0/15.0	-
GHM, GHMN 4-60	1510	3	80	220-240Δ /380-415Y	4.4/2.5	26.0/15.0	-

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Applications

The main application of the GSP pump is recycling and filtering of water in small, medium & large size swimming pools.

The pump incorporates a removable basket filter to filter out leaves, twigs & other large solids. Therefore these pump must be installed between the skimmer & the pool filter.

These pump are designed for pumping pool water being disinfected by chlorine.

Operating conditions

- Flow range : Up to 119 m³/h
- Head range : Up to 21 metres
- Ambient temperature : Max. +45°C
- Liquid temperature range : 0°C to +45°C
- Max. permissible operating pressure : 3 bar

Description

GSP swimming pool pumps are horizontal, closed-coupled, single-stage centrifugal pumps with self priming properties.

These pumps are equipped with a removable basket filter which protects the pump against possible impurities in the water.

The compact construction makes the installation quick and easy. The installation requires very little space.

Features and benefits

Following are the main features and benefits offered by the GSP pumps.

- Complete range of pumps
- Compact design
- Easy installation & easy to operate
- Reliable operation
- Corrosion resistant materials
- Stainless steel AISI 304 shaft
- Quiet running
- Built-in motor protection
- Built-in suction strainer
- CE marked
- No need for special service tools
- Quick & easy to repair.

Motor

The pump is directly coupled to a special fan-cooled, asynchronous, 2 pole motor.

- Rated speed : 2900 min⁻¹
- Enclosure class : IP 55
- Insulation class : Class B
- Standard voltages : 1 Phase, 220-240 V, 50 Hz
  3 Phase, 380-415 V, 50 Hz
- Sound Pressure level : <70 dB(A).

Performance data at n = 2900 rpm

Model	Power		Q m³/h	2.4	4.8	7.2	9.6	12.9	15.9	17.4	20.4
	[kW]	[HP]	Q l/min	40	80	120	160	215	265	290	340
GSP75	0.55	0.75	H mts.	15	14.9	14.8	13.6	11	7.8	-	-
GSP100	0.75	1.00		16.8	16.6	16.2	15.3	12.9	9.5	7.5	-
GSP150	1.10	1.50		18	17.2	16.6	15.8	14	13	11	8.5

Performance data at n = 2900 rpm

Model	Power		Q m³/h	6.0	9.0	15.0	21.0	27.0	30.0	33.0
	[kW]	[HP]	Q l/min	100	150	250	350	450	500	550
GSP200	1.50	2.00	H mts.	18.5	18	17.1	14.7	11	9	6.8
GSP300	2.20	3.00		20.9	20.5	19.4	18	15.4	12.6	7.2

Performance data at n = 2900 rpm

Model	Power		Q m³/h	50.0	70.0	90.0	100	120
	[kW]	[HP]	Q l/min	833	1166	1500	1666	2000
GSP505	3.70	5.00	H mts.	15.2	12.6	9	7.5	3.8

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