

DRAKOS PUMP – CP, MP, GQ, DV Series Submersible Pump

Drakos Submersible Pumps utilize the latest technology designed for economical and reliable pumping of sewage from commercial, industrial or civil sources.

It is suitable for clear and wastewater, rainwater, living water containing solid grains and for medium contains fibrous material.

The pump can be installed in automatic type with separate pedestal or portable style.

Drakos Submersible Pump has various design for different pump application, e.g. CP is with open channel impeller for non-clog. MP & DG is with rotary lobe and stationary ring before impeller for grinding. GQ is with strainer for dirty water. DV is with vortex impeller. It is best use for the wastewater with large solids.

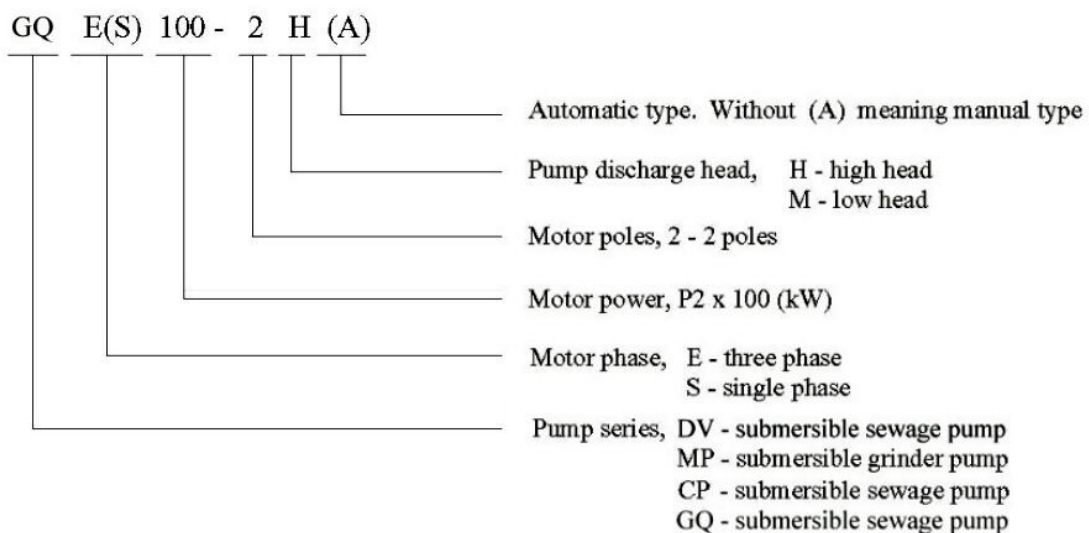
Pump Features

Name	Description
Motor	IP68, F class insulation, 50 or 60 Hz, single or three phase Thermal sensor for each phase
Impeller	Open channel or vortex impeller, static and dynamic balance, and for grinder pump, it has rotary lobe before impeller
Mechanical seal	Double highly quality sealing unit using a tungsten carbide vs silicon carbide, independent of direction of rotation and resistant to temperature shock.
Bearing	Lubricated for life maintenance – free ball bearing, generally NSK brand.
Shaft	Strictly static and dynamic balance check to ensure the smooth operation
Cable	Separate, water – pressure tight encapsulated connection chamber, cable inlet with strain relief and anti – kink protection.
Protection	With DI sensor located in oil chamber, it will detect any moisture before enter into the motor chamber from the shaft seal. And give you timely warning about the problem occurred.

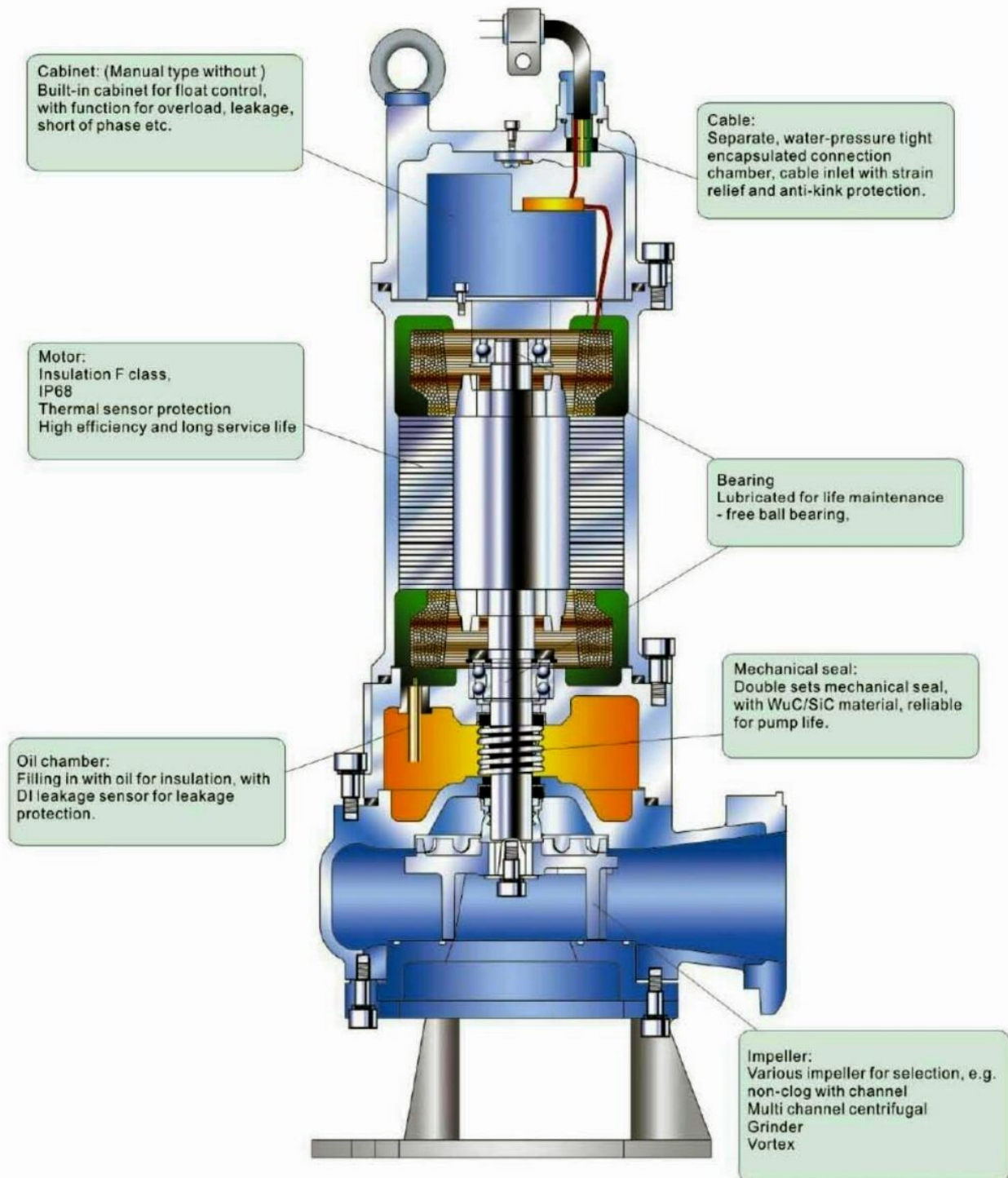
Material

Specification	Material
Motor casing	Cast iron GG25
Volute	Cast iron GG25
Bottom plate	Cast iron GG25
Shaft	Stainless steel SS420
Impeller	Cast iron GG25
Mechanical seal	WuC / SiC
Fasteners	Galvanized steel
Cable	H07 RN – F
O-ring	H07 RN – F

Definition of Model



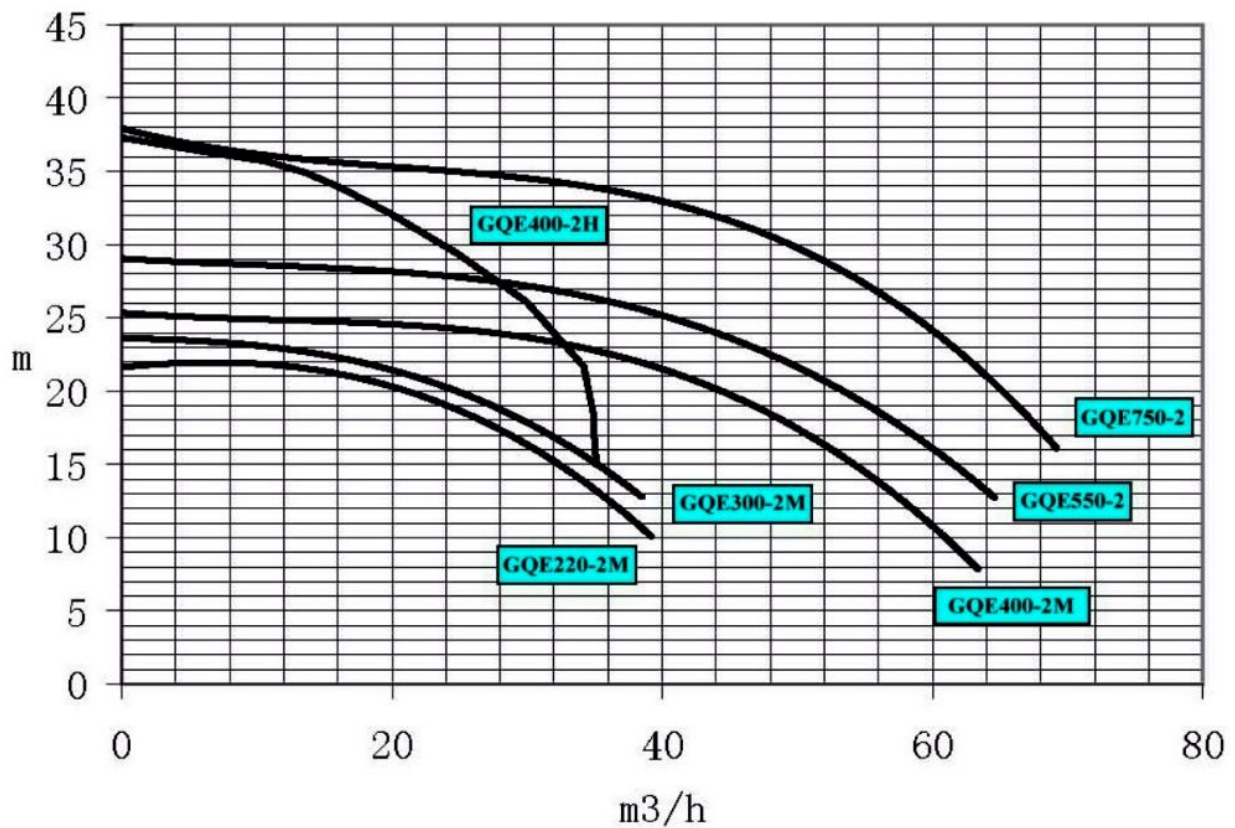
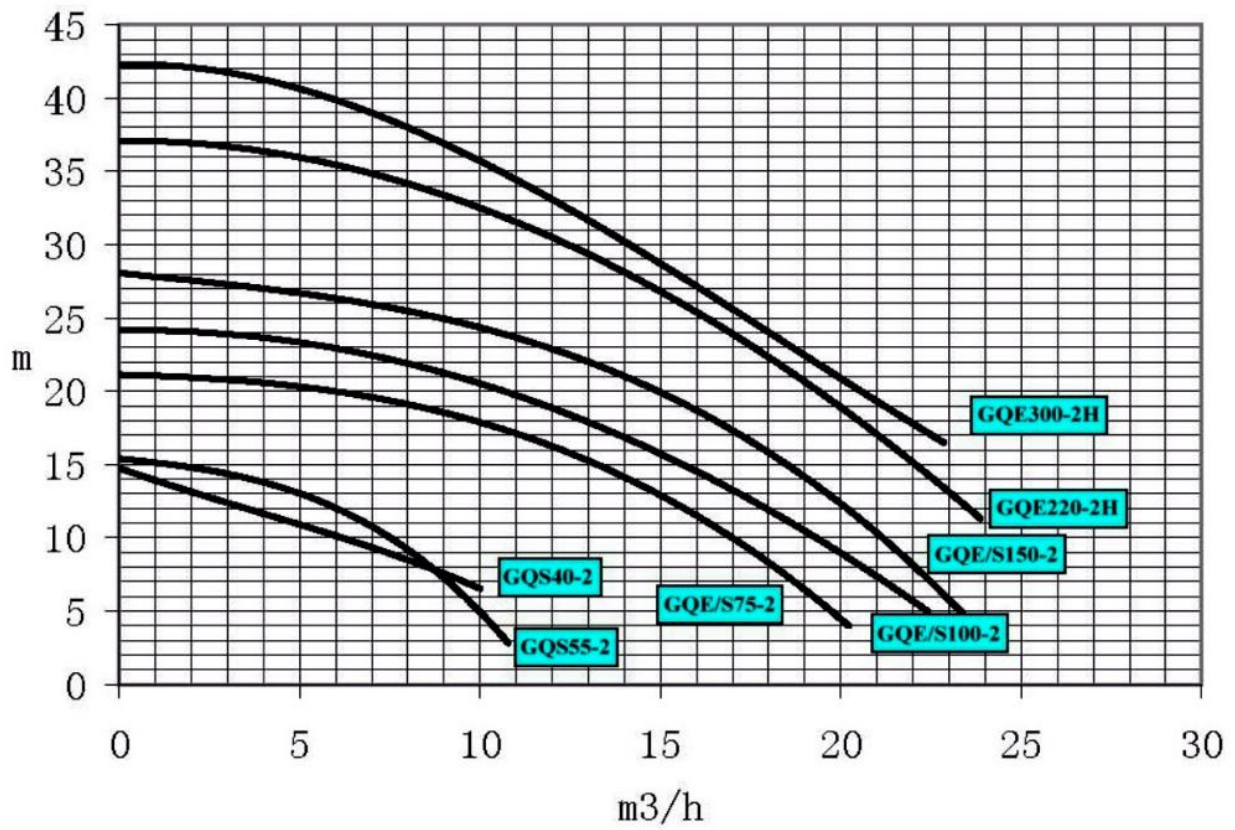
Section Drawing Of The Pump



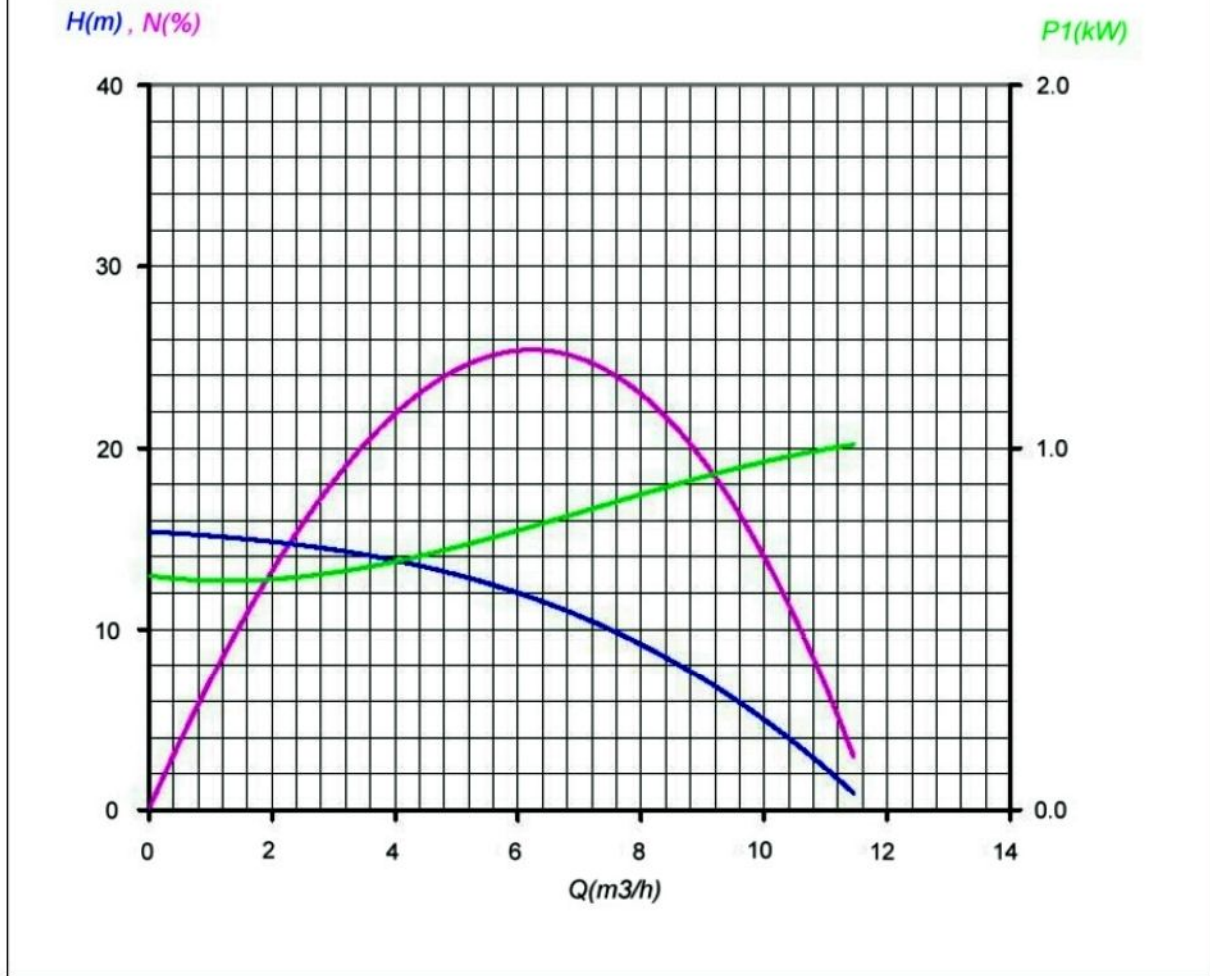
GQ Series Submersible Sewage Pump Technical Data

Type	Flow (m ³ /h)	Head (m)	Power (kW)	Voltage (V)	Current (A)	Phase	Speed (rpm)	Outlet (mm)	Wt. (kg)
GQS40-2(A)	6	9	0.4	230	3.9	1	2900	38	20
GQS55-2(A)	6	14	0.55		4.7				22
GQS75-2(A)	6	20	0.75		6.4				25
GQE75-2(A)	6	20	0.75	415	2.9	3		38	38
GQS100-2(A)	10	18	1	230	7.5	1			
GQE100-2(A)	10	18	1	415	3.2	3			
GQS150-2(A)	10	24	1.5	230	9.5	1		50	50
GQE150-2(A)	10	24	1.5	415	4.3	3			
GQE220-2H(A)	10	34	2.2		4.9				
GQE220-2M(A)	25	18							
GQE300-2H(A)	10	36	3	6.4	3	38		50	
GQE300-2M(A)	25	20							
GQE400-2H(A)	20	30	4			8.2			3
GQE400-2M(A)	40	20							
GQE550-2	40	25	5.5	11.1	3			100	
GQE750-2	40	32	7.5	15					



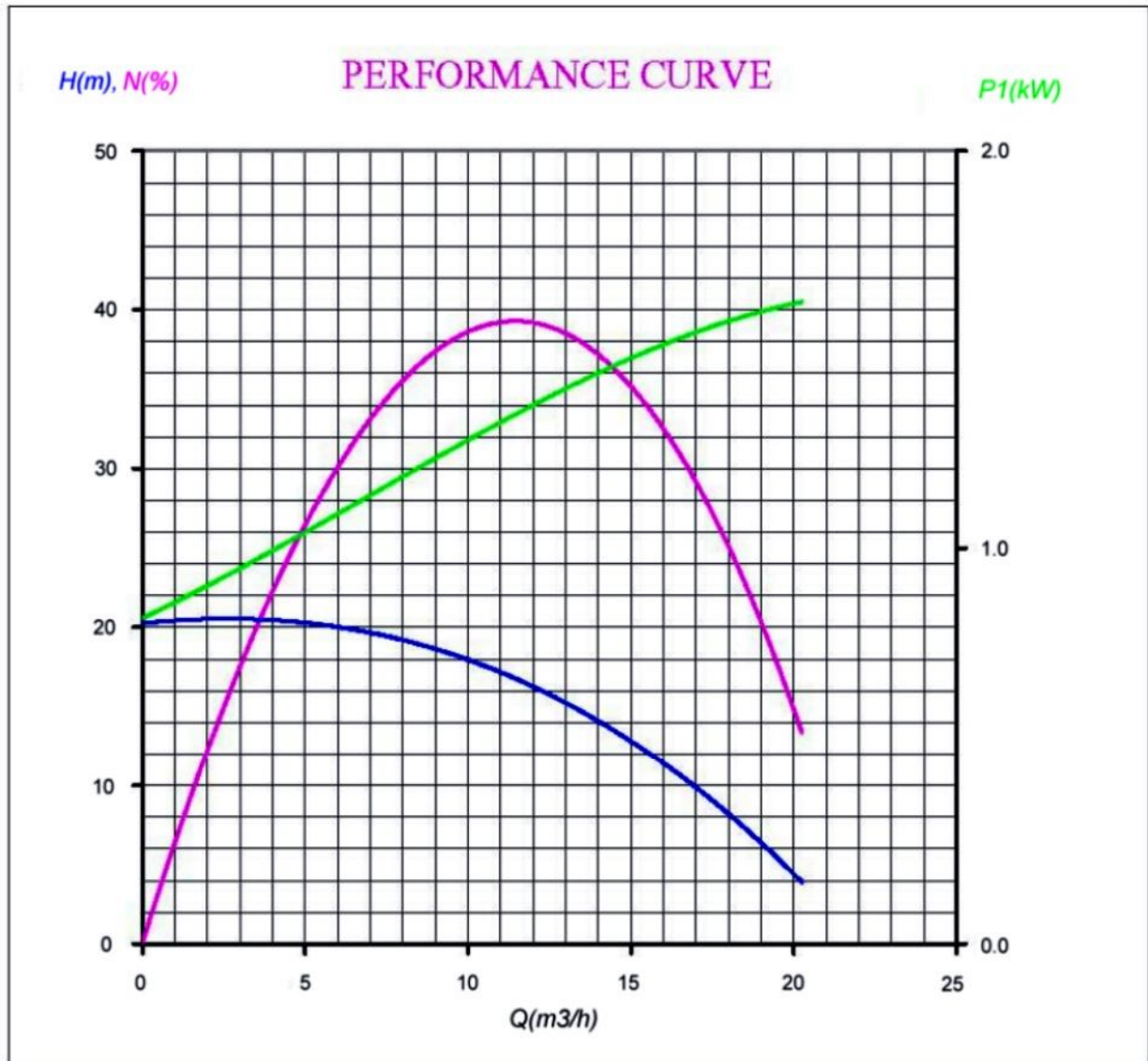


PERFORMANCE CURVE



Data

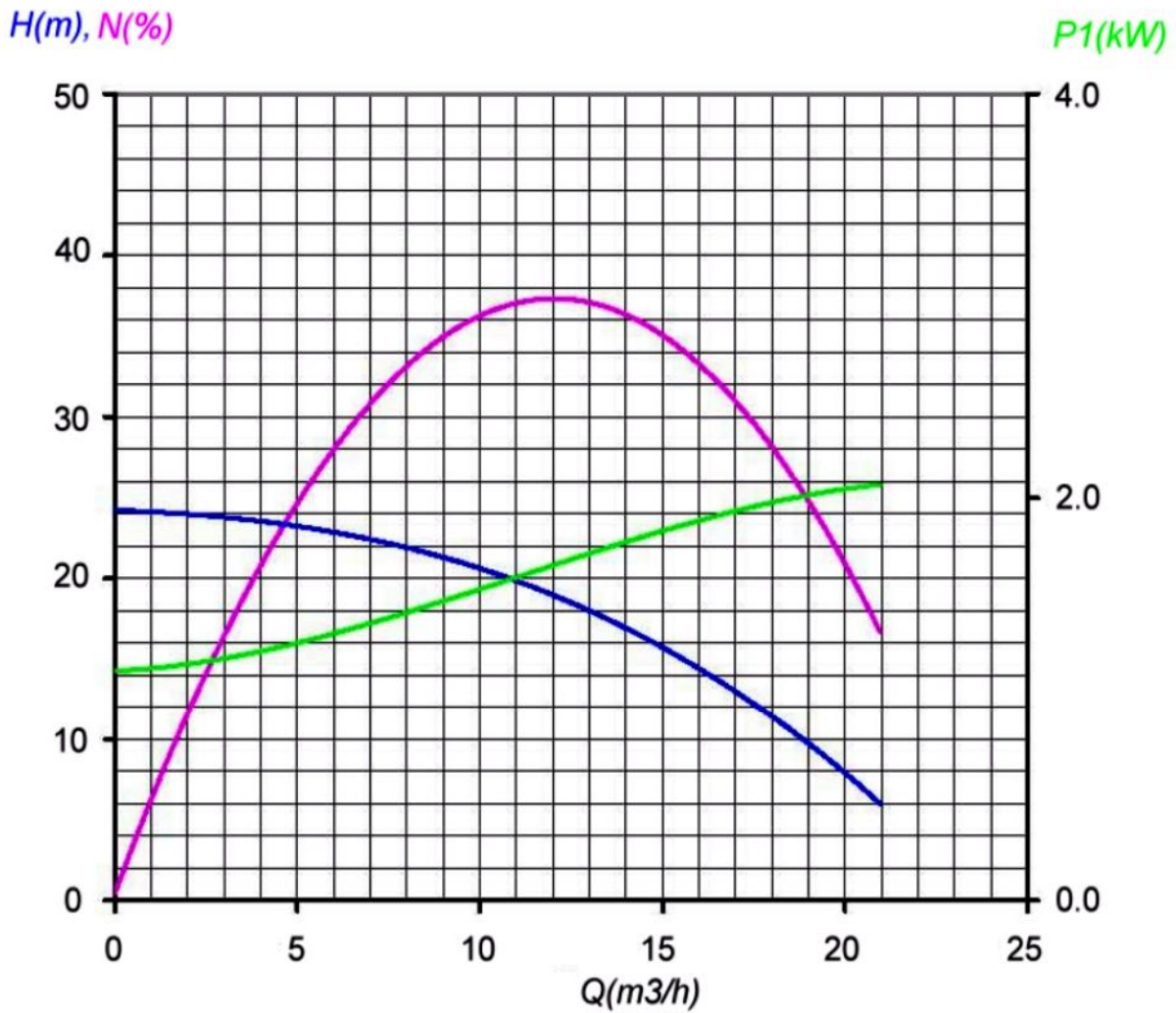
Pump Type	GQS55-2	Power (kW)	0.55
Voltage (V)	230	Speed (rpm)	2900
Current (A)	4.7	Outlet (mm)	DN40
Phase	1	Frequency (Hz)	50



Data

Pump Type	GQE(S)75-2	Power (kW)	0.75
Voltage (V)	415 (230)	Speed (rpm)	2900
Current (A)	2.9 (6.4)	Outlet (mm)	DN40
Phase	3 (1)	Frequency (Hz)	50

PERFORMANCE CURVE



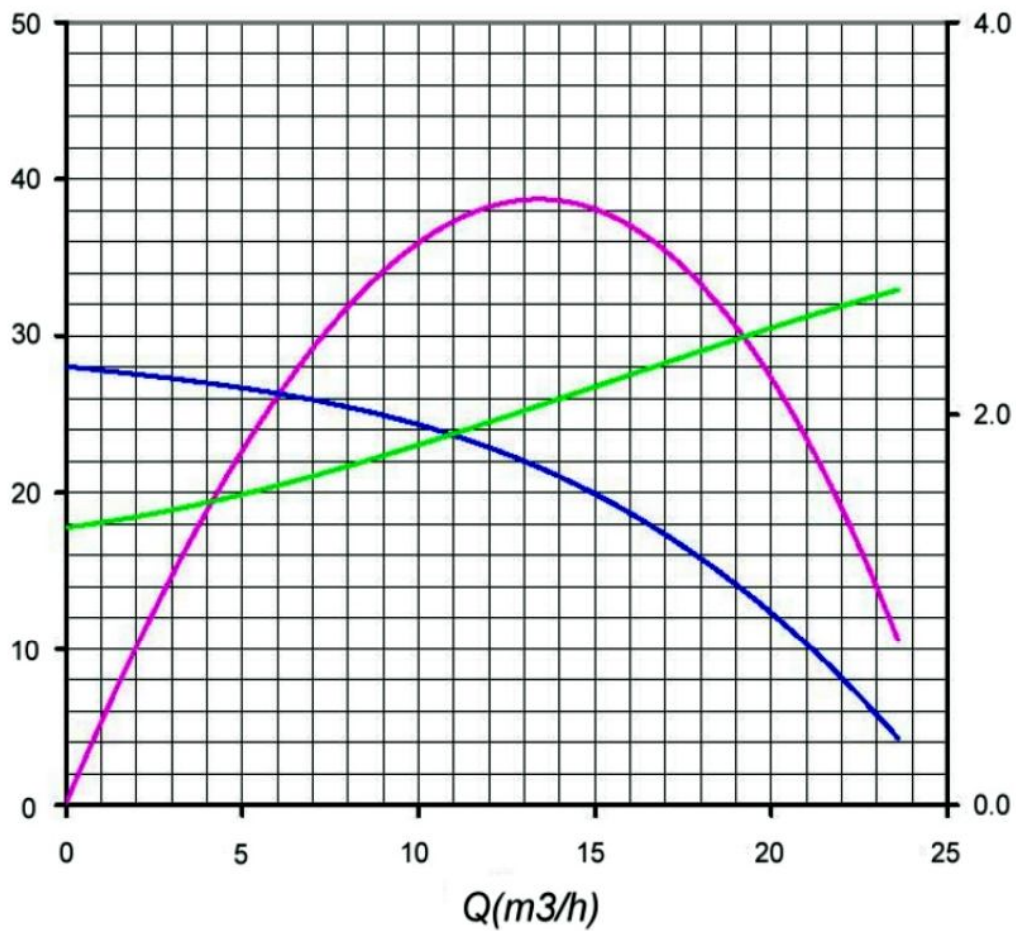
Data

Pump Type	GQE(S)100-2	Power (kW)	1
Voltage (V)	415 (230)	Speed (rpm)	2900
Current (A)	3.2 (7.5)	Outlet (mm)	DN40
Phase	3 (1)	Frequency (Hz)	50

PERFORMANCE CURVE

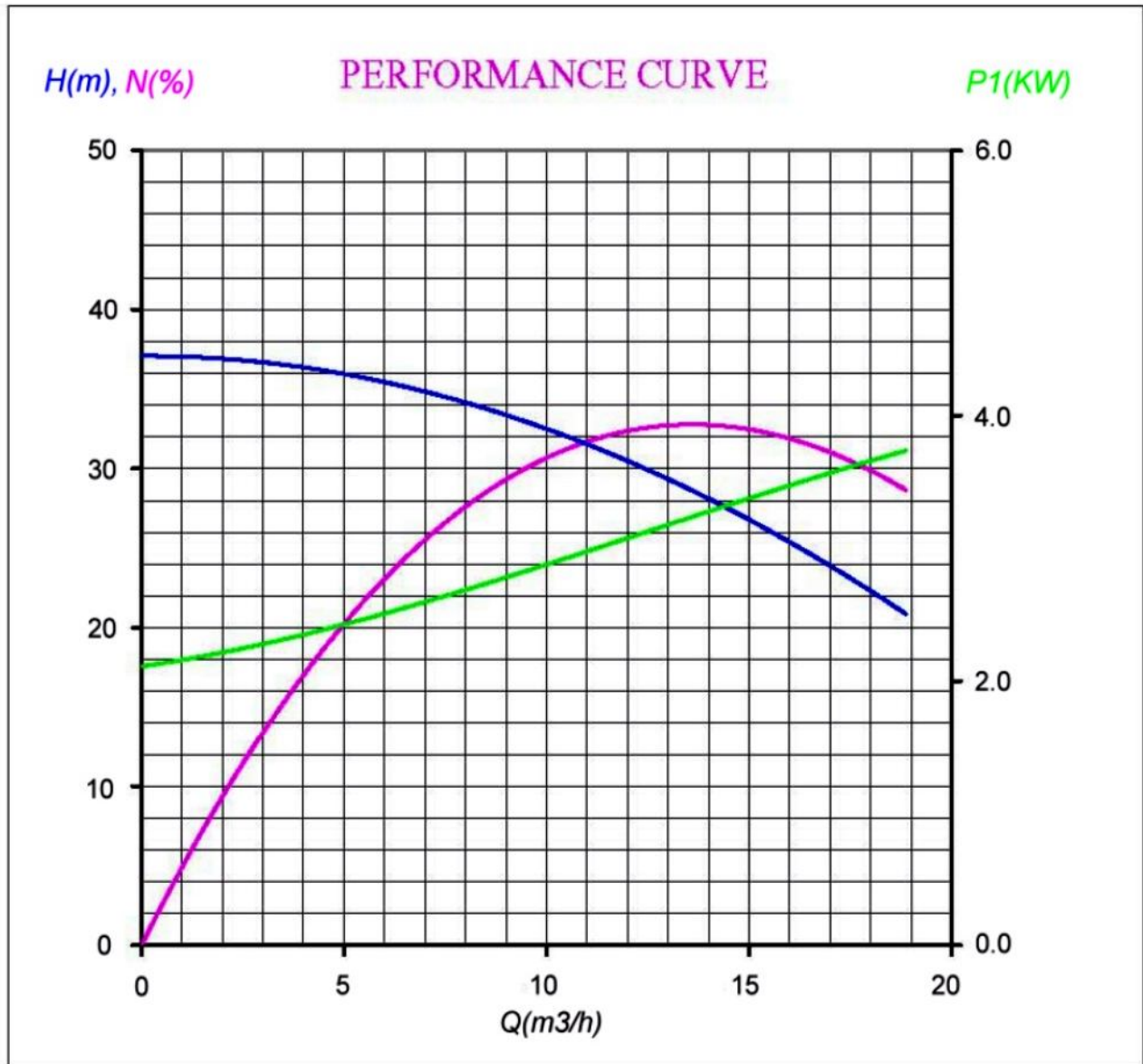
$H(m), N(\%)$

$P1(kW)$



Data

Pump Type	GQE(S)150-2	Power (kW)	1.5
Voltage (V)	415 (230)	Speed (rpm)	2900
Current (A)	4.3 (9.5)	Outlet (mm)	DN40
Pahse	3 (1)	Frequency (Hz)	50



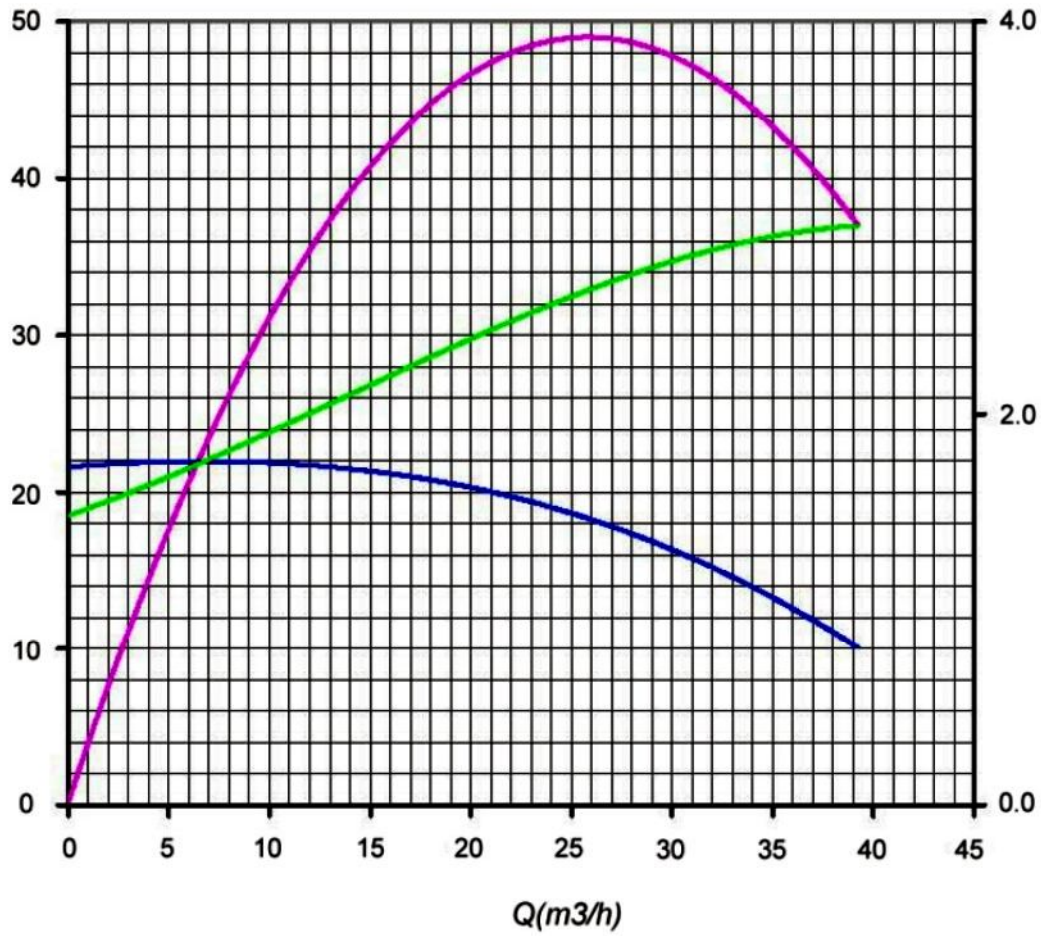
Data

Pump Type	GQE220-2H	Power (kW)	2.2
Voltage (V)	415	Speed (rpm)	2900
Current (A)	4.9	Outlet (mm)	DN40
Phase	3	Frequency (Hz)	50

PERFORMANCE CURVE

$H(m), N(\%)$

$P1(kW)$



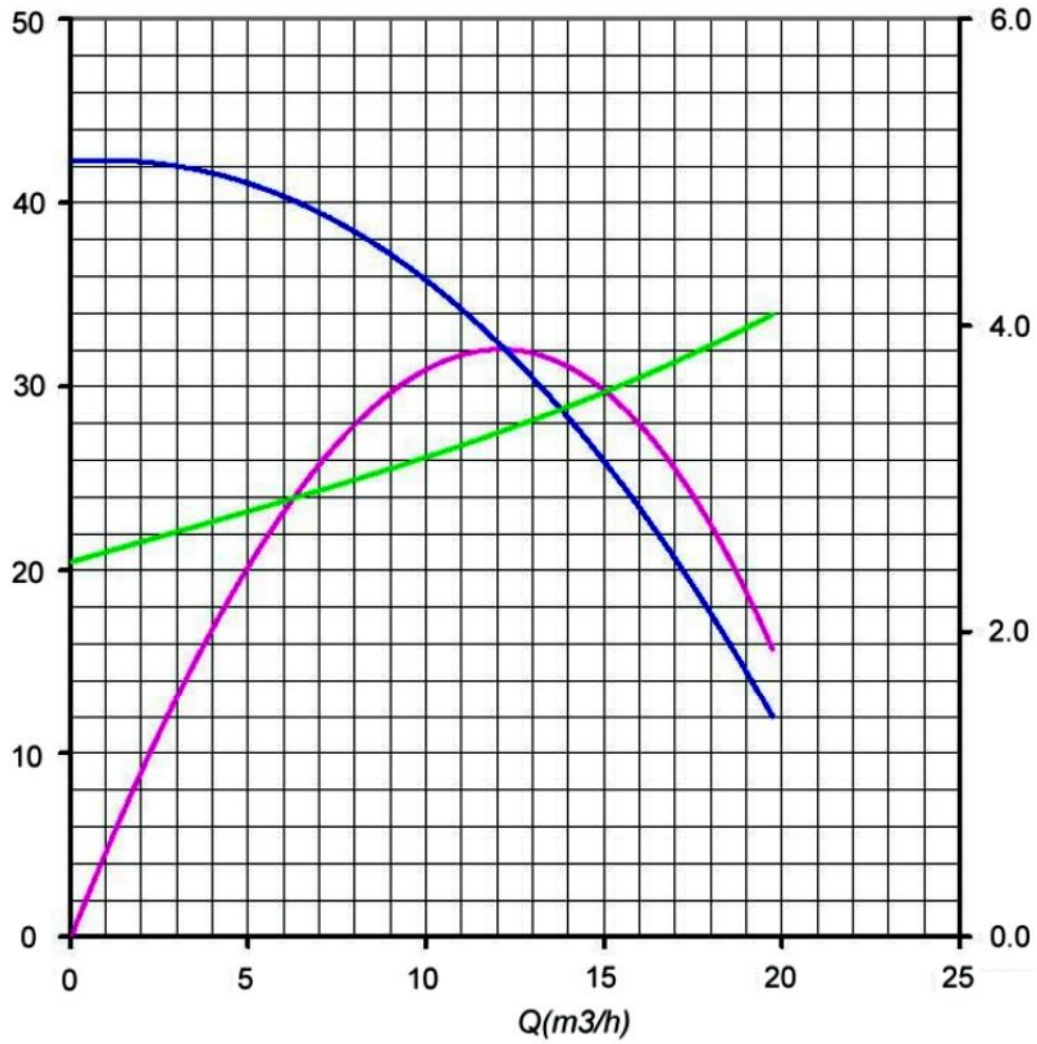
Data

Pump Type	GQE220-2M	Power (kW)	2.2
Voltage (V)	415	Speed (rpm)	2900
Current (A)	4.9	Outlet (mm)	DN50
Phase	3	Frequency (Hz)	50

PERFORMANCE CURVE

$H(m), N(\%)$

$P1(kW)$



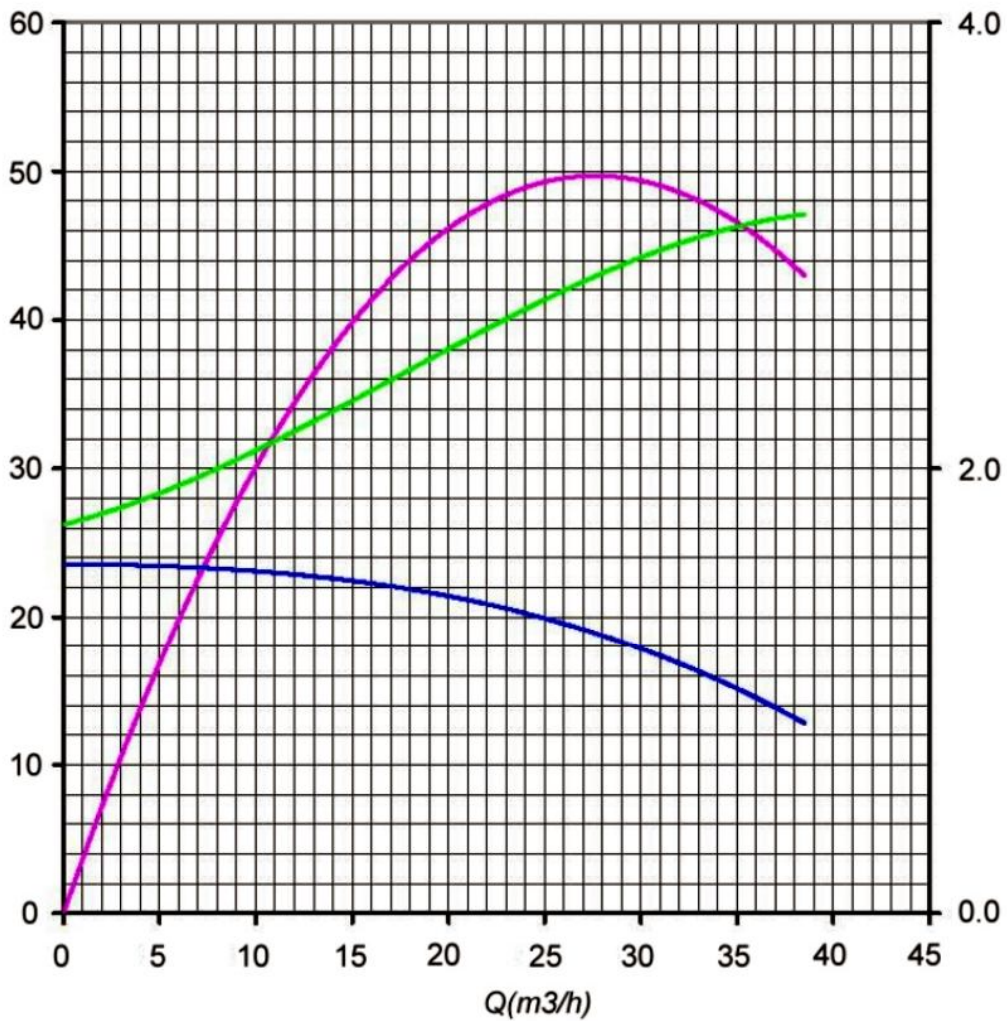
Data

Pump Type	GQE300-2H	Power (kW)	3
Voltage (V)	415	Speed (rpm)	2900
Current (A)	6.4	Outlet (mm)	DN40
Phase	3	Frequency (Hz)	50

PERFORMANCE CURVE

(Hm), N(%)

P1(kW)



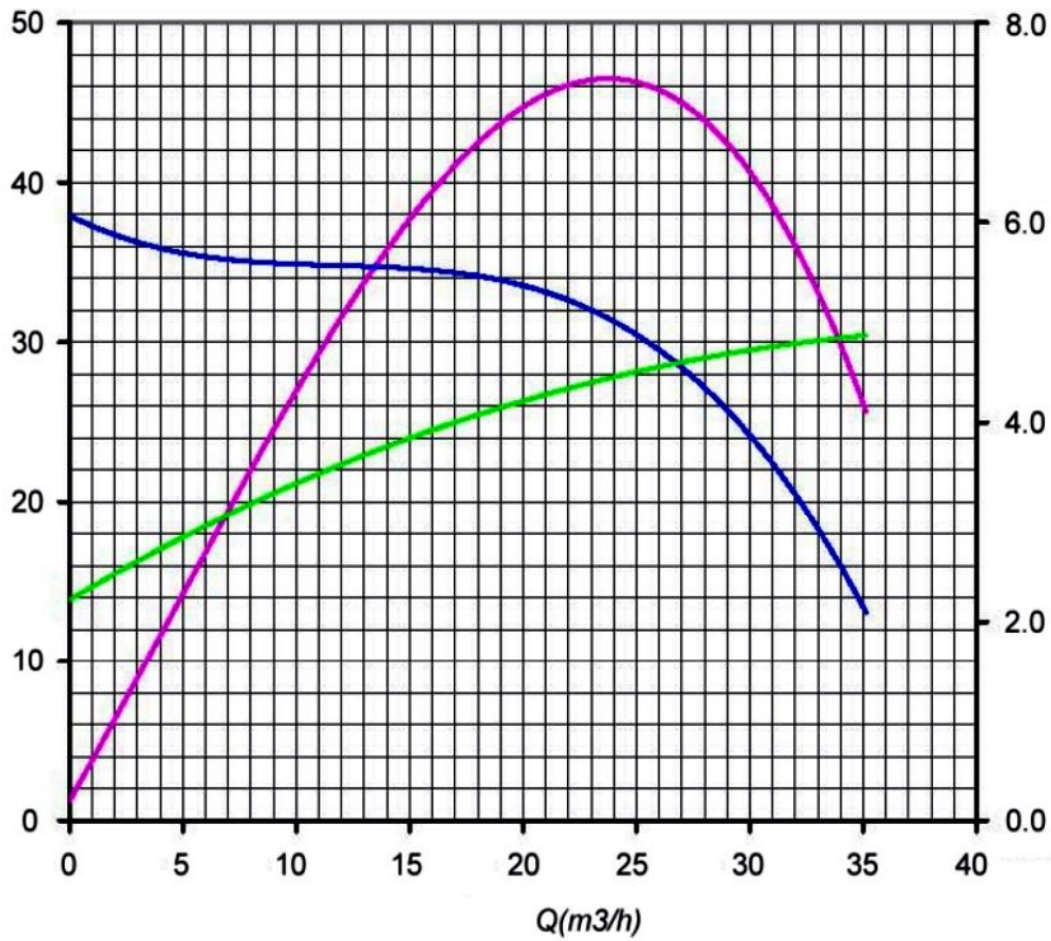
Data

PumpType	GQE300-2M	Power (kW)	3
Voltage (V)	415	Speed (rpm)	2900
Current (A)	6.4	Outlet (mm)	DN50
Phase	3	Frequency (Hz)	50

PERFORMANCE CURVE

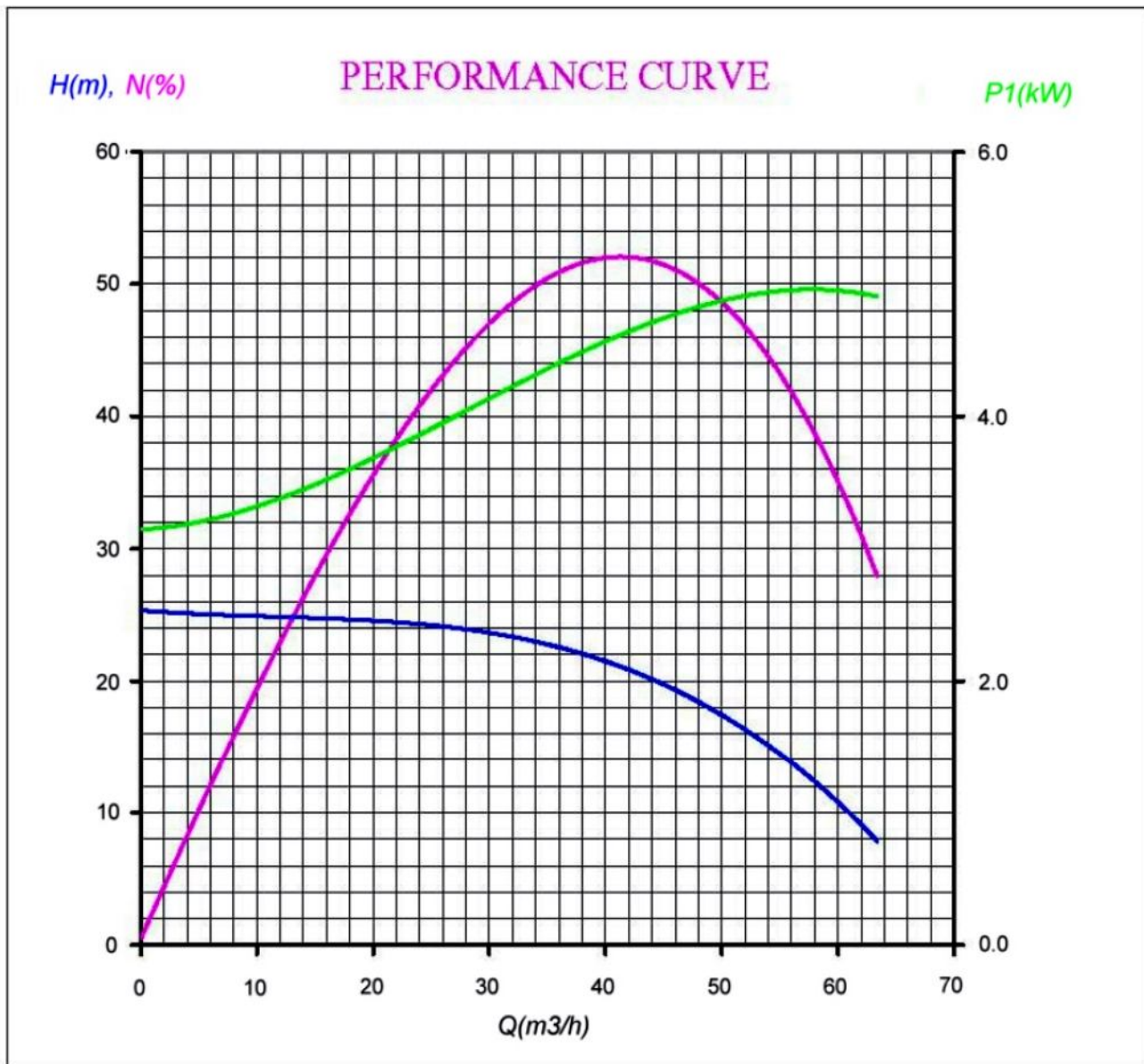
$H(m), N(\%)$

$P1(kW)$



Data

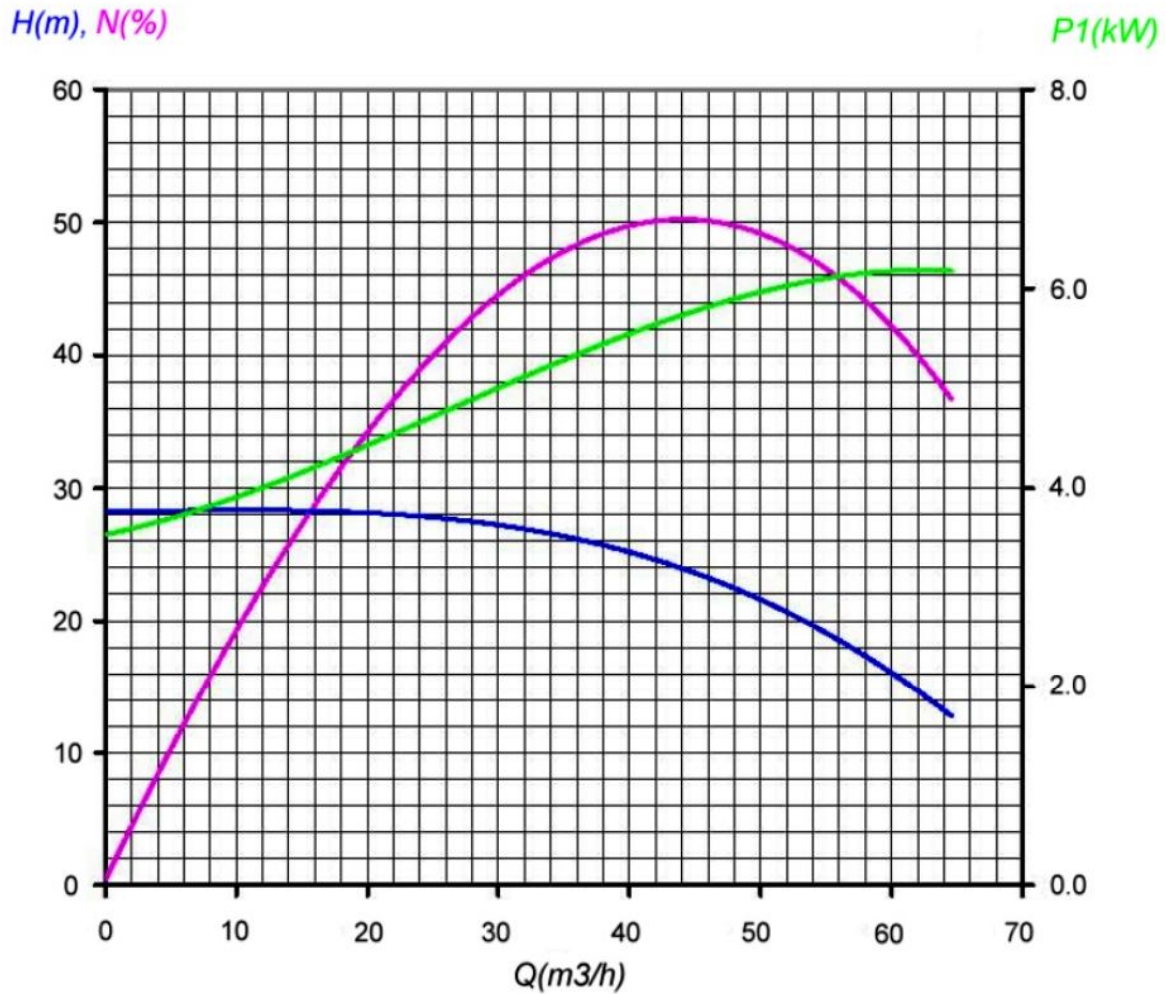
Pump Type	GQE400-2H	Power (kW)	4
Voltage (V)	415	Speed (rpm)	2900
Current (A)	8.2	Outlet (mm)	DN65
Phase	3	Frequency (Hz)	50



Data

Pump Type	GQE400-2M	Power (kW)	4
Voltage (V)	415	Speed (rpm)	2900
Current (A)	8.2	Outlet (mm)	DN80
Phase	3	Frequency (Hz)	50

PERFORMANCE CURVE



Data

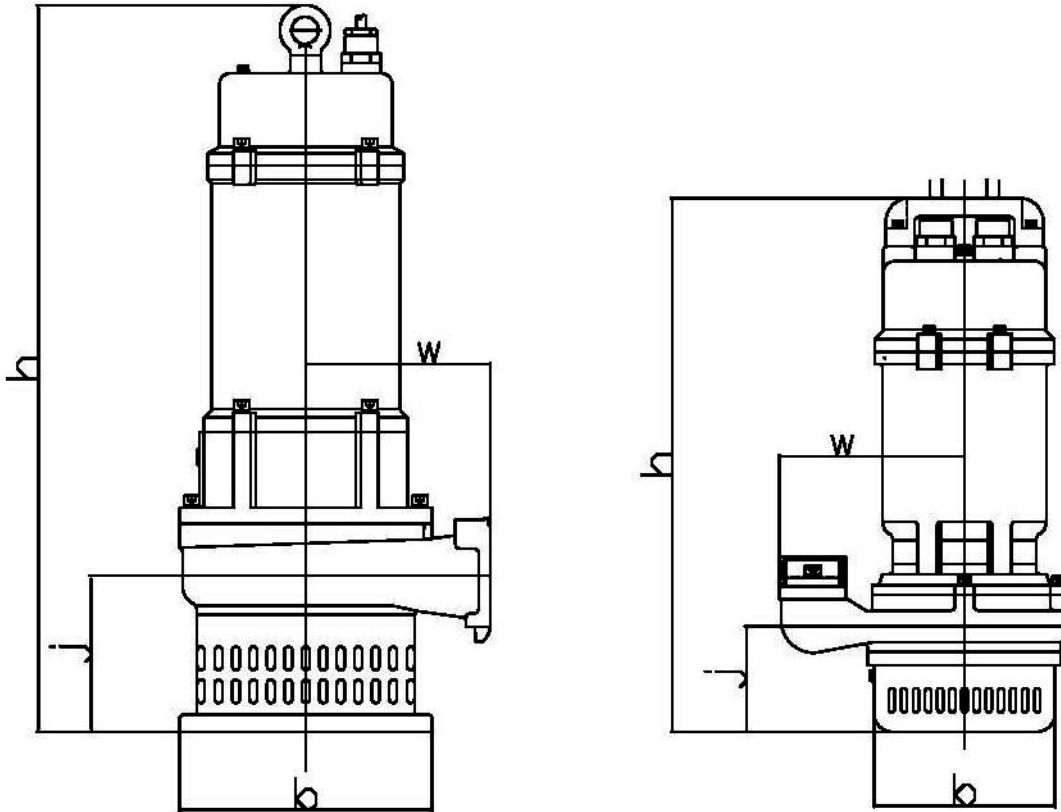
Pump Type	GQE550-2	Power (kW)	5.5
Voltage (V)	415	Speed (rpm)	2900
Current (A)	11.1	Outlet (mm)	DN100
Phase	3	Frequency (Hz)	50



Data

Pump Type	GQE750-2	Power (kW)	7.5
Voltage (V)	415	Speed (rpm)	2900
Current (A)	15	Outlet (mm)	DN100
Phase	3	Frequency (Hz)	50

Outline Dimensions



GQS40-2, GQS55-2

Type	b	h	j	w
GQS40-2(A)	149	422	85	140
GQS55-2(A)	149	442	87	140
GQE/S75-2(A)	149	442	87	140
GQE/S100-2(A)	192	555	101	150
GQE/S150-2(A)	192	555	101	150
GQE220-2H(A)	192	616	126	160
GQE220-2M(A)	192	601	112	150
GQE300-2H(A)	192	616	126	160
GQE300-2M(A)	192	601	112	150
GQE400-2H(A)	260	742	156	190
GQE400-2M(A)	260	750	161	190
GQE550-2	320	836	201	245
GQE750-2	320	836	201	245