

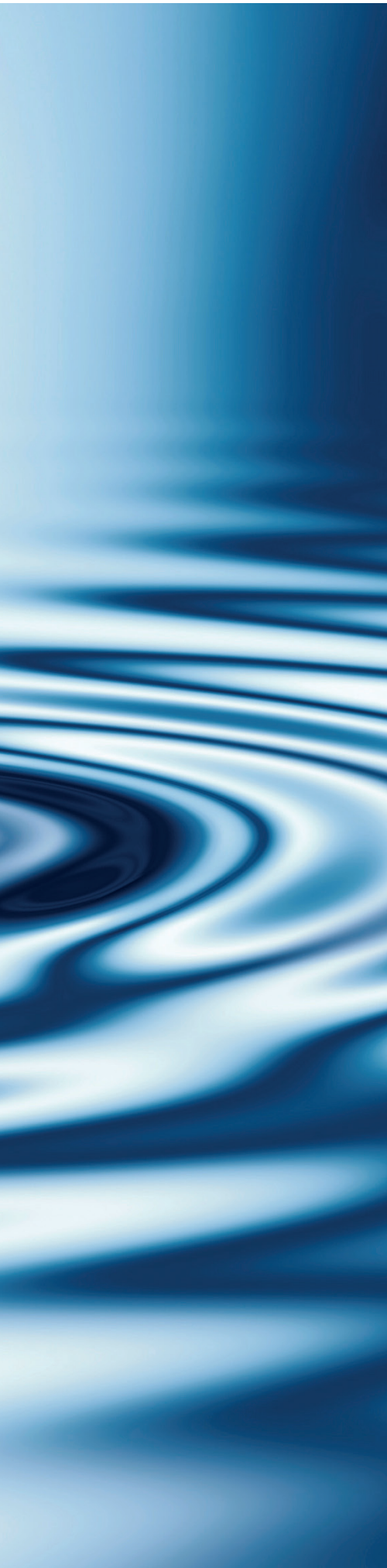


Ver.2025



UGP 4", 6"

Submersible Deep Well
Pumps, 50Hz



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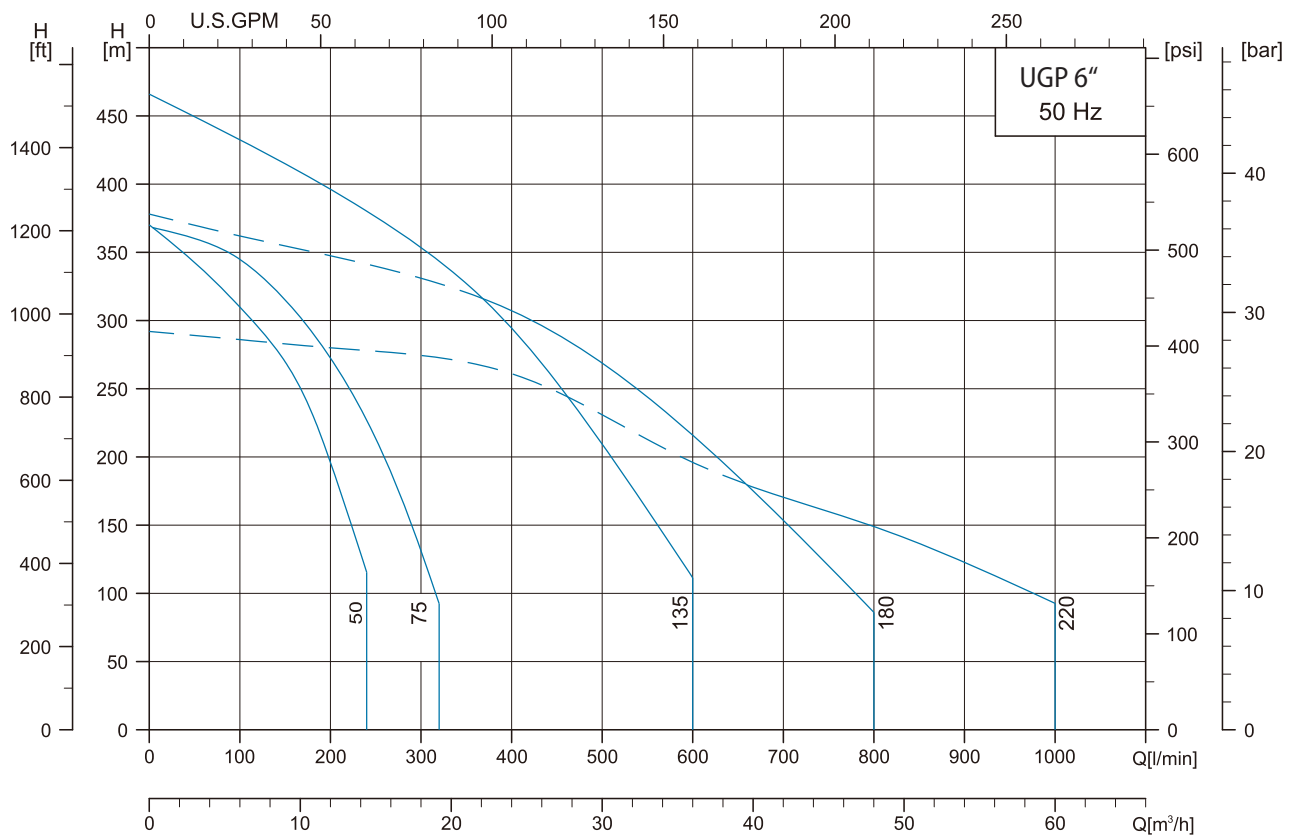
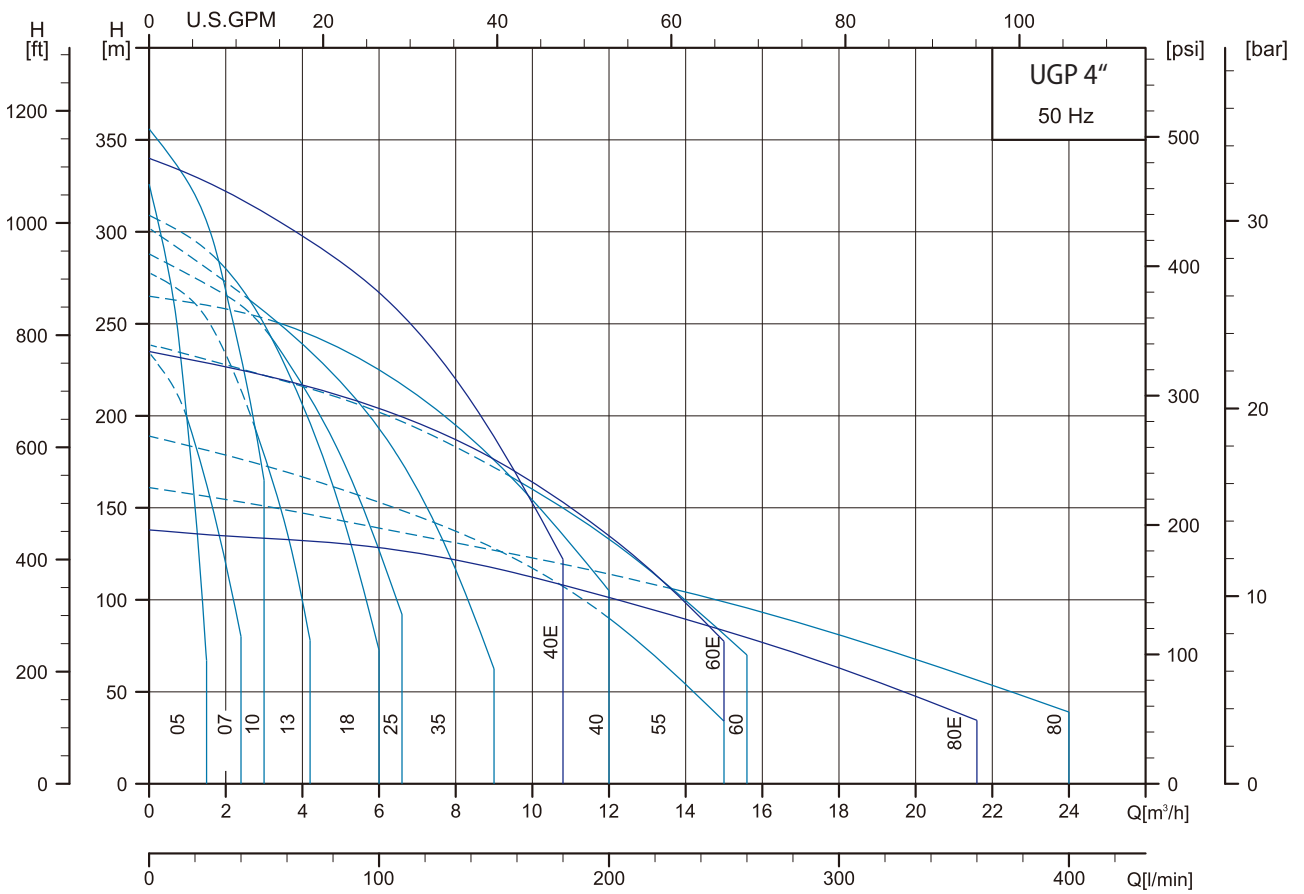
Technical Data

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Submersible Deep-Well Plastic Pumps

- Discharge Head and Motor Adapter are Precision machined cast 304 stainless steel for superior strength and durability.
The motor adapter is NEMA standard.
- Impellers are floating type made with Noryl for superior handling together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance.
The materials are FDA compliant materials.
- Impeller Bowls are made from Stainless steel 304, maximizing wear from abrasion.
- Shaft Coupling is made from stainless steel 304 for easy alignment to the motor shaft.
- Strainer is made from stamped stainless steel 304 for rigidity.
- Non-Return valve made from stainless steel 304, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.
- Pump shaft is made from hex stainless steel 304 bar material for high corrosion resistance.
- Pump body is covered by a 4" 1.5mm or 6" 2 mm thick 304 polished stainless steel casing, ensures optimum resistance to abrasion.
- Bearing is made with Polyacetal for strong wear and abrasive resistance.
- The 6" submersible pumps for high pressure and flow rates, particularly equipped with a high rigidity Silicon-Carbide(SiC) Bearing, provide reliability and quality guaranteed.

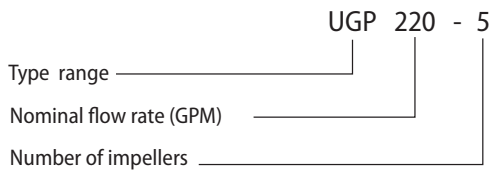
Performance Range



Applications

- Water Supply.
- Irrigation.
- Pressure Boosting.

Definition of Model



Operation Condition - UGP 4"

Max voltage variation	+10% / -10%
Max. starts /h	40
Max water temperature	40 C
Flow rate	0.08m/sec
Axial thrust	2000N from 0.37kW to 2.2kW
	3000N 2.2kW
	5000N from 3kW to 7.5kW
Max. immersion depth	200m

Motor

Flange	4" NEMA standard
Degree of protection	IP 68
Insulation class	Class F
Single Phase motor	0.37kW to 4kW
Three Phase Motor	0.37kW to 7.5kW
Standard Voltages	1- 220V-230V
	3- 230V or 400V
Cable length	1.7M 0.37kW to 1.5kW



Operation Condition - UGP 6"

Flow rate Q: Up to 60 m³/h at 2850 rpm

Head H: Max. 466m at 2850 rpm

Max. permissible quantity of sand: 60 g/m³

Parts

Discharge head and motor adapter

Discharge head and motor adapter are precision machined cast 304 stainless steel for superior strength and durability. The motor adapter is NEMA standard.

Inlet Strainer

The strainer is made from stamped stainless steel 304 for rigidity.

Non-Return Valve (NRV)

All pumps are equipped with a reliable non-return valve made from stainless steel 304, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

Impeller and Impeller Bowls

Impellers are floating type made with Noryl for superior handling together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance.

The materials are FDA compliant materials.

Impeller Bowls are made from Stainless steel 304 maximizing wear from abrasion.

Shaft Coupling

Shaft Coupling is made from stainless steel 304 for easy alignment to the motor shaft.

Pump Shaft

Pump shaft is made from hex stainless steel 304 bar material for high corrosion resistance.

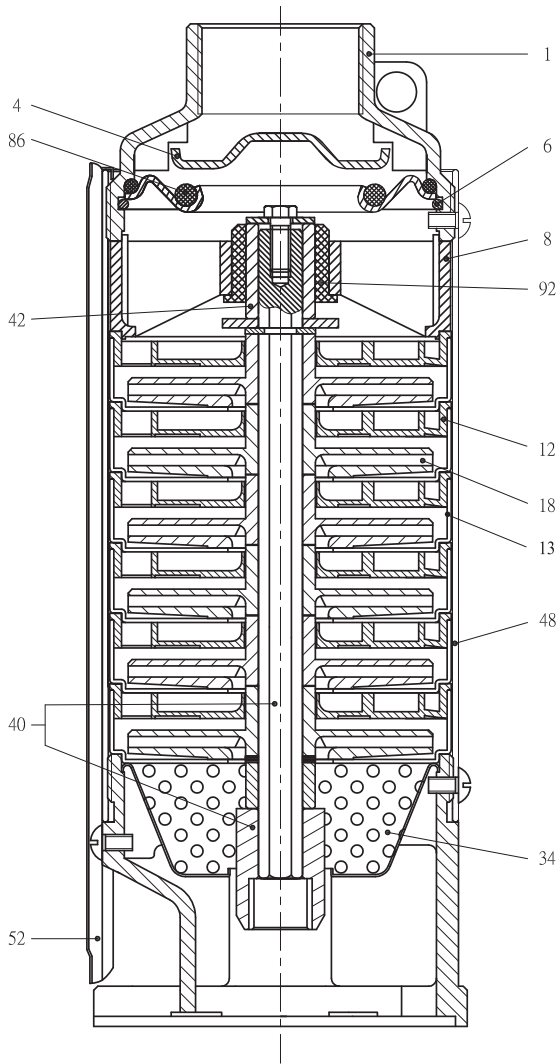
Bearing

Bearing is made with Polyacetal for strong wear and abrasive resistance.

Pump Body

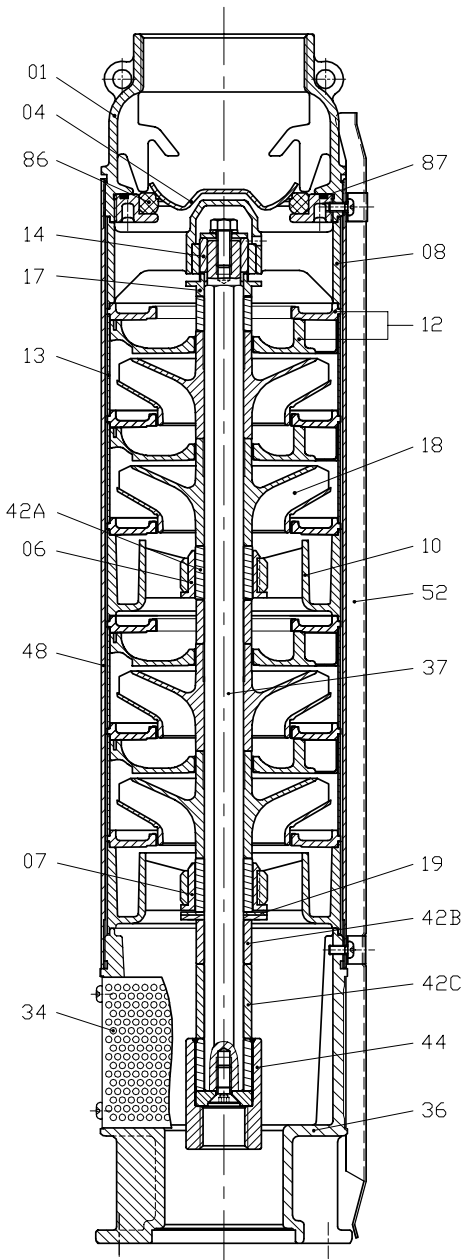
Pump body is covered by a thick 304 stainless steel casing, ensures optimum resistance to abrasion.

Material Specification 4"



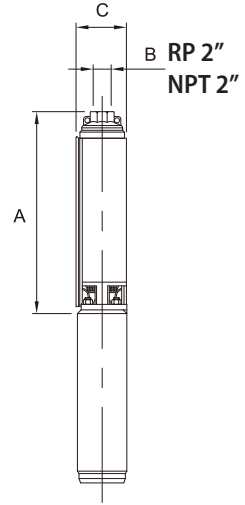
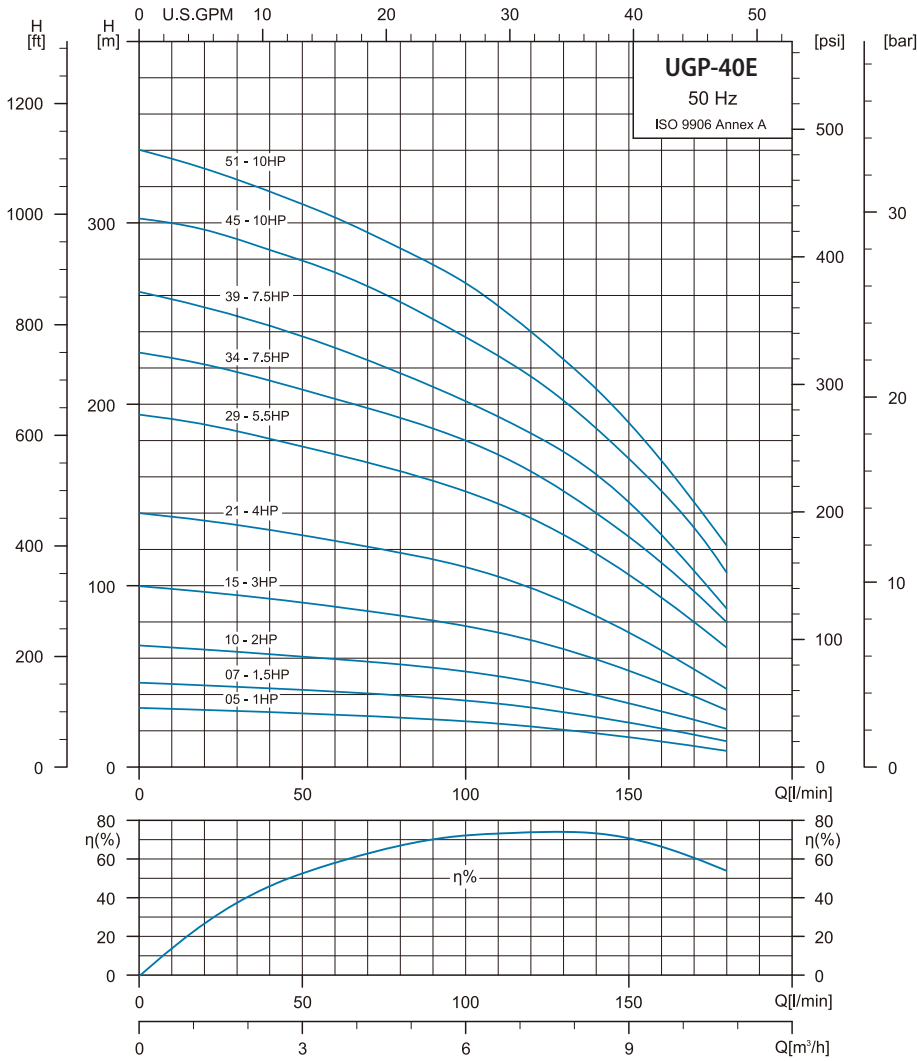
Pos.	Components	Material	Standard
01	Discharge Head	Stainless Steel	304
04	Check Valve cone	Stainless Steel	304
06	Check valve retaining ring	Stainless Steel	304
08	Bearing Spider	Glass filled polycarbonate	
12	Diffuser	Glass filled polycarbonate	
13	Bowl	Stainless Steel	304
18	Impeller	Noryl	
34	Strainer	Stainless Steel	304
40	Pump shaft / Coupling	Stainless Steel	304
42	Shaft sleeve	Stainless Steel	304
42	Shaft sleeve	Noryl	
48	Pump casing	Stainless Steel	304
52	Cable Guard	Stainless Steel	304
87	O-ring	NBR	
92	Bearing	Polyacetal	

Material Specification 6"



Pos.	Components	Material	Standard
01	Discharge	Stainless Steel	304
04	Valve cone	Stainless Steel	304
06	Bearing	POM+PTFE	
07	Bearing	Bronze	
08	Upper bearing spider	SSS304 + Silicon carbide	
10	Bearing spider	Noryl	
12	Diffuser	Glass filled polycarbonate	
13	Diffuser casing	Stainless Steel	304
14	Bearing ring	Silicon carbide	
17	Sleeve for baffle	Stainless Steel	304
18	Impeller	Noryl	
19	Counter thrust bearing plate	Carbon fiber/PTFE	
34	Strainer	Stainless Steel	304
36	Suction Interconnector	Stainless Steel	304
37	Pump shaft	Stainless Steel	304
42A	Shaft sleeve	Stainless Steel	304
42B	Shaft sleeve	Noryl	
42C	Shaft sleeve	Noryl	
44	Coupling	Stainless Steel	304
48	Pump casing	Stainless Steel	304
52	Cable Guard	Stainless Steel	304
86	Valve seat	SS304+NBR	
87	O-ring	NBR	

UGP-40E



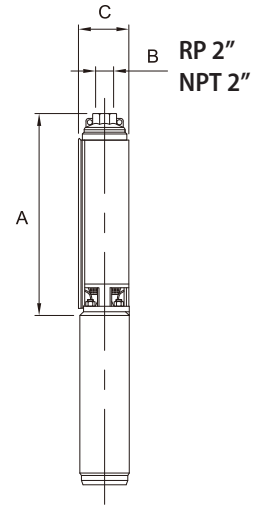
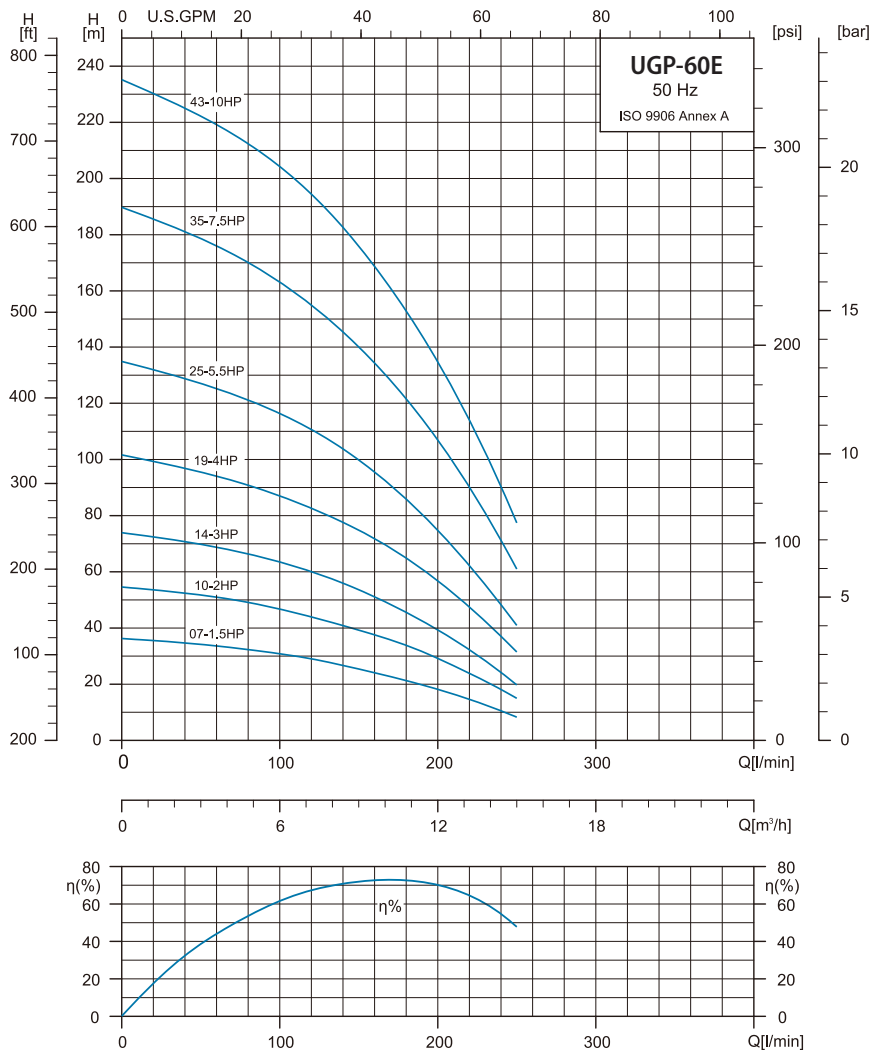
Dimensions -mm

Model	A	C	N.W Kg
UGP-E-4005	330	98	3.2
UGP-E-4007	395	98	3.8
UGP-E-4010	485	98	4.6
UGP-E-4015	640	98	6.1
UGP-E-4021	865	98	8.2
UGP-E-4029	1150	98	10.7
UGP-E-4034	1325	98	13.2
UGP-E-4039	1480	98	14.5
UGP-E-4045	1745	98	17.1
UGP-E-4051	1930	98	18.6

Selection Chart

Model	Stages	Motor		Q= DELIVERY								
				L/Min	0	80	90	100	120	140	160	180
		KW	HP	m ³ /h	0	4.8	5.4	6	7.2	8.4	9.6	10.8
UGP-E-4005	5	0.75	1.0	H(m)	33	27	26	25	22	19	14	9
UGP-E-4007	7	1.1	1.5		47	39	38	37	33	28	21	14
UGP-E-4010	10	1.5	2.0		67	57	55	53	47	39	31	21
UGP-E-4015	15	2.2	3.0		100	83	81	78	70	59	46	31
UGP-E-4021	21	3	4.0		140	118	115	110	99	83	64	43
UGP-E-4029	29	4	5.5		194	163	158	152	137	118	93	66
UGP-E-4034	34	5.5	7.5		229	193	187	180	163	140	113	80
UGP-E-4039	39	5.5	7.5		262	217	210	202	184	161	128	87
UGP-E-4045	45	7.5	10		302	256	247	237	215	187	152	107
UGP-E-4051	51	7.5	10		340	286	277	267	240	208	169	122

UGP-60E



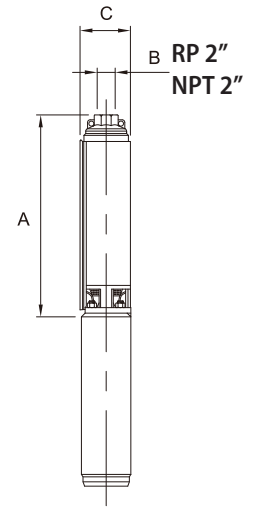
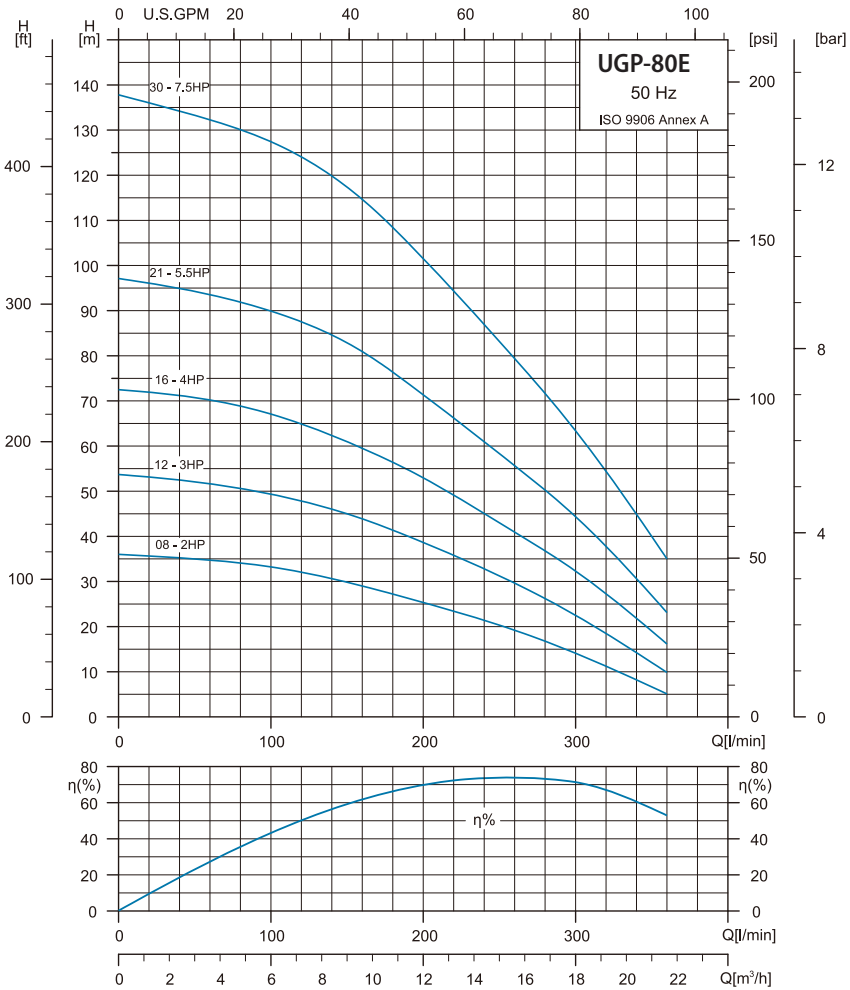
Dimensions - mm

Model	A	C	N.W Kg
UGP-E-6007	540	98	4.9
UGP-E-6010	695	98	6.3
UGP-E-6014	905	98	8.1
UGP-E-6019	1240	98	11.0
UGP-E-6025	1570	98	14.3
UGP-E-6035	2165	98	19.8
UGP-E-6043	2585	98	24.0

Selection Chart

Model	Stages	Motor		Q= DELIVERY										
				L/Min	0	90	100	120	140	160	180	200	220	240
		KW	HP	m³/h	0	5.4	6.0	7.2	8.4	9.6	10.8	12	13	14.4
UGP-E-60-07	7	1.1	1.5	H(m)	36	-	31	29	27	24	21	18	15	11
UGP-E-60-10	10	1.5	2.0		55	-	47	44	41	38	34	29	24	18
UGP-E-60-14	14	2.2	3.0		74	-	64	60	56	51	46	39	32	24
UGP-E-60-19	19	3	4.0		102	-	87	83	78	72	65	57	48	37
UGP-E-60-25	25	4.0	5.5		135	-	116	111	104	96	86	75	62	48
UGP-E-60-35	35	5.5	7.5		190	-	163	155	145	134	122	107	90	71
UGP-E-60-43	43	7.5	10		235	-	204	194	183	169	153	135	114	90

UGP-80E



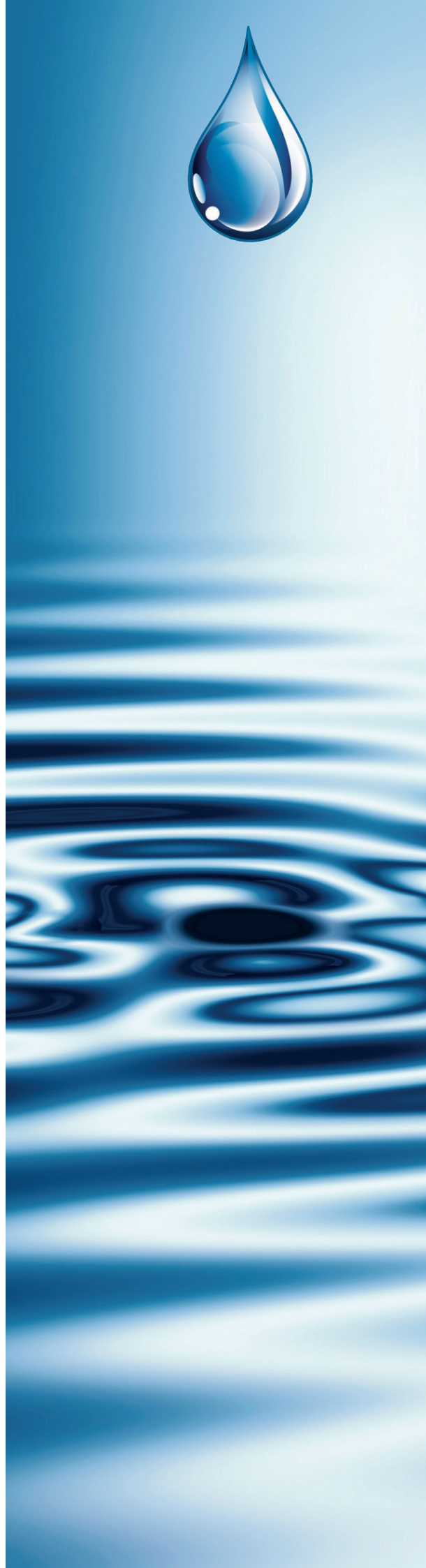
Dimensions - mm

Model	A	C	N.W Kg
UGP-E-8008	680	98	6.1
UGP-E-8012	950	98	8.4
UGP-E-8016	1220	98	10.8
UGP-E-8021	1610	98	14.7
UGP-E-8030	2225	98	20.1

Selection Chart

Model	Stages	Motor		Q= DELIVERY													
		KW	HP	L/Min m³/h	0	140	160	180	200	220	240	260	280	300	320	340	360
UGP-E-8008	8	1.5	2.0	H(m)	36	30.5	29	27	25	23	21	19	16.5	14	11	8	5
UGP-E-8012	12	2.2	3.0		54	46	44	41	38.5	35.5	32.5	29.5	26	22.5	18	14	10
UGP-E-8016	16	3	4.0		72.5	62	59.5	56	53	49	45	41	36.5	32	27	21	16
UGP-E-8021	21	4.0	5.5		97	84.5	81	76	71	66	61	55.5	50	44	37.5	30	23
UGP-E-8030	30	5.5	7.5		138	120	114.5	108	101.5	94	87	79	71.5	63	54	44.5	34.5







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