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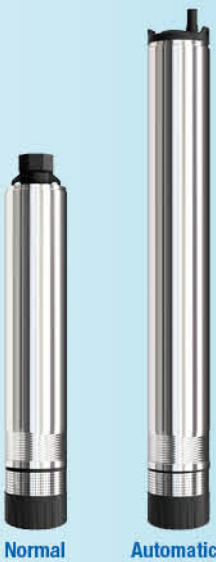


61-64

150QJ(D)-SP
Stainless Steel Deep Well Pump



3/3.5/4DS
Deep Well Pump



Application

Transferring clean water from wells and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation
Cistern pumping system application

Motor and Pump

Rewindable dry-type motor
One-piece compact pump housing
Non-return valve design
Double mechanical sealing and oil chamber
High-level corrosion-resistance stainless steel
Auto-start/stop and multi- protection for automatic type
Insulation class: F
Protection class: IP68

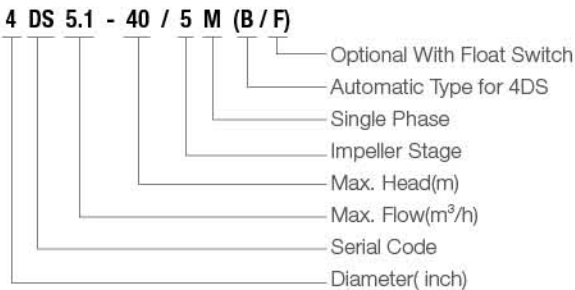
Model Analysis



Operating Limits

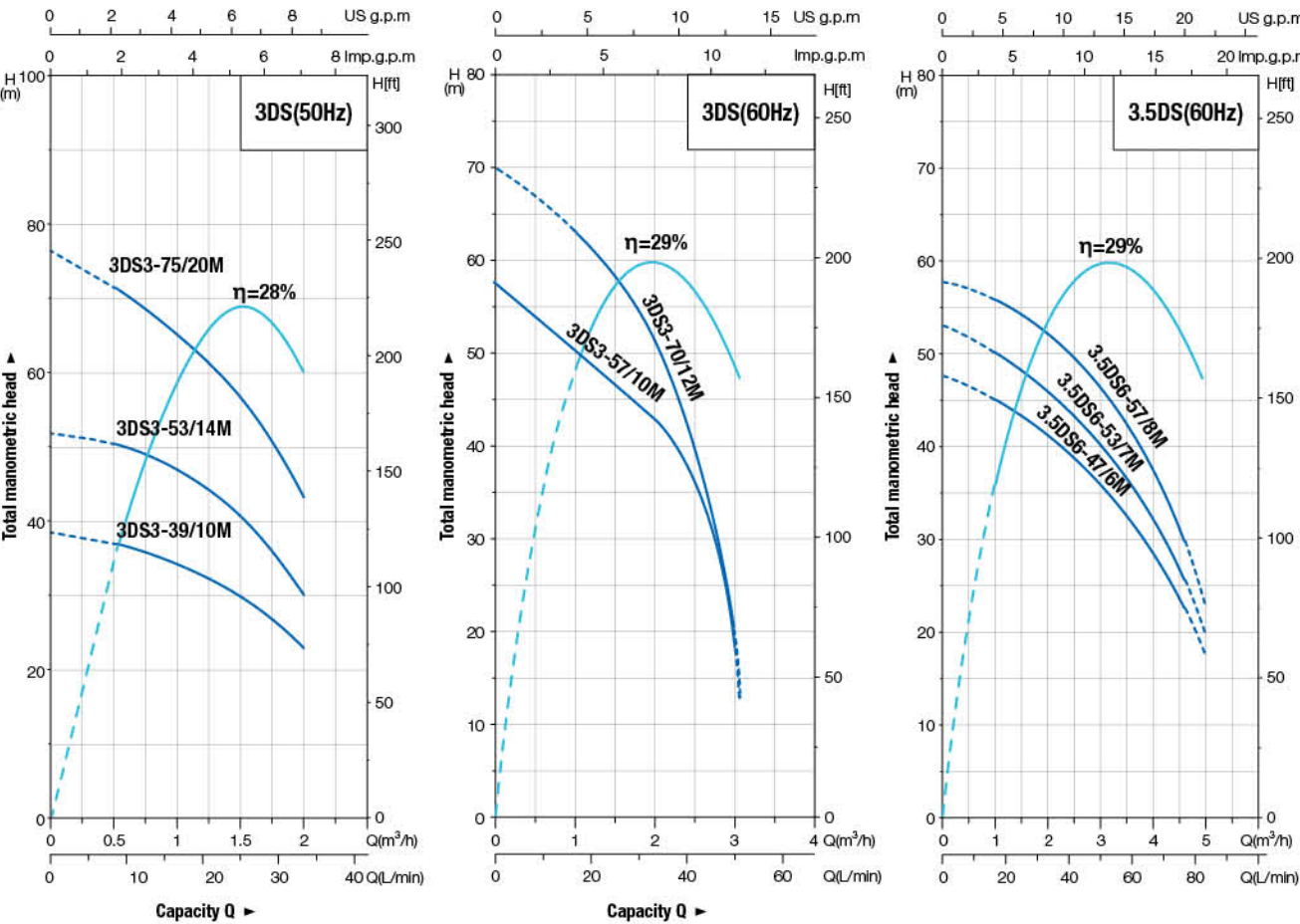
Maximum fluid temperature: 40°C
Max. Sand content: 0.15%
Minimum well diameter: 3", 3.5", 4"

Model Instruction



NO.	Component	Material
1	Pump external casing	AISI201 / AISI304
2	Diffuser	PC
3	Impeller	POM
4	Delivery casing	PPO+GF
5	Shaft	AISI304
6	Motor external casing	AISI201 / AISI304
7	Top cover	PPO+GF
8	Bottom support	PPO+GF
9	Mechanical seal	Ceramics-graphite
10	Bearing	C&U

Performance Curves



Technical Table n=2850 r/min

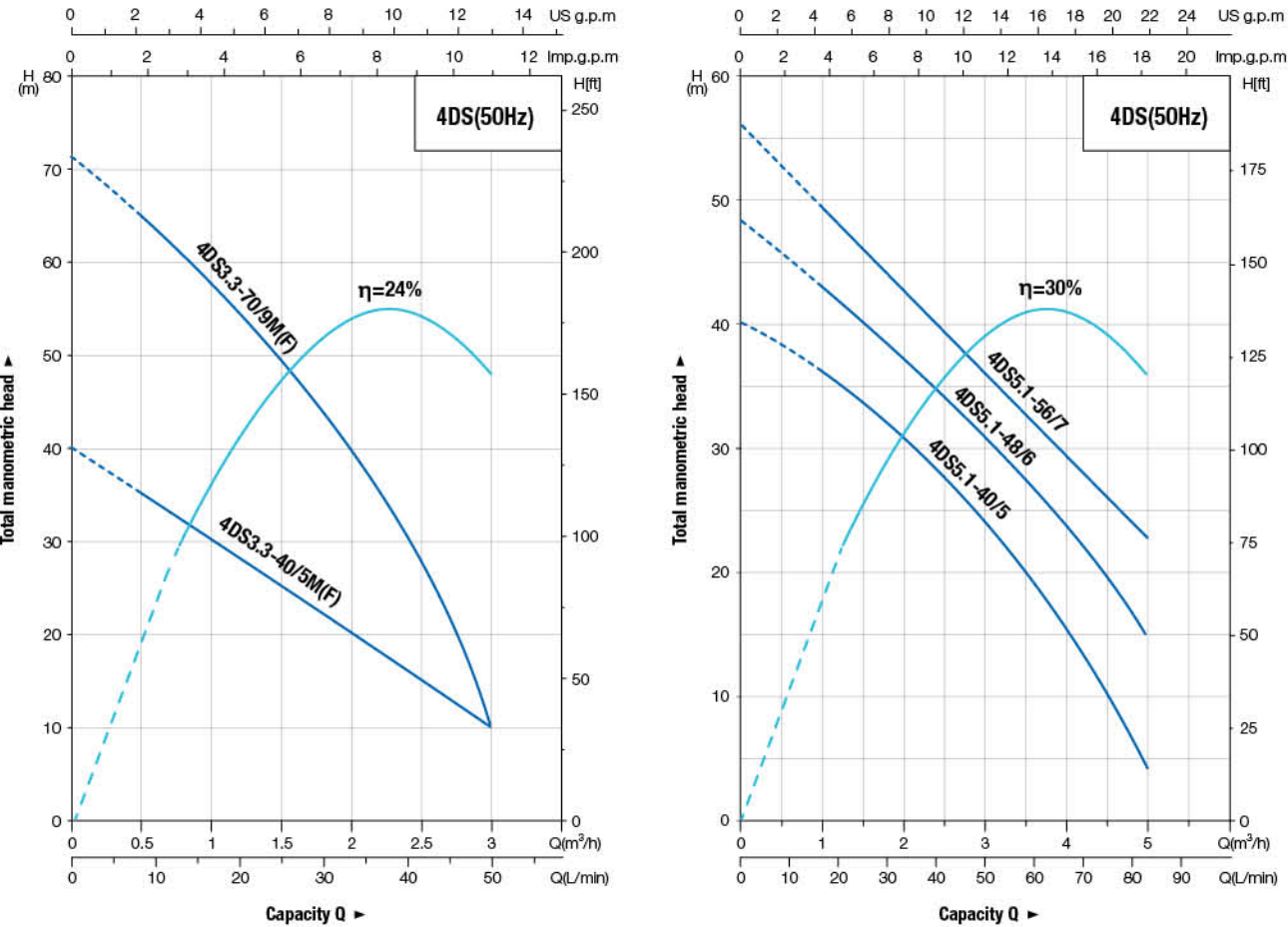
Model	Voltage	Power		Q(m³/h)	0	1	1.5	2
		kW	HP	Q(l/min)	0	17	25	33
3DS3-39/10M	220V/50Hz	0.25	0.33	H(m)	39	37	30	23
3DS3-53/14M		0.37	0.5		53	47	42	30
3DS3-75/20M		0.55	0.75		75	66	60	43

Technical Table n=3450 r/min

Model	Voltage	Power		Q(m³/h)	0	1	2	3
		kW	HP	Q(l/min)	0	17	33	50
3DS3-57/10M	115/230V~60Hz	0.37	0.5	H(m)	57	50	43	18
3DS3-70/12M		0.55	0.75		70	63	51	19

Model	Voltage	Power		Q(m³/h)	0	1	2	3	4	5	6
		kW	HP	Q(l/min)	0	17	33	50	67	83	100
3.5DS6-47/6M	115/230V~60Hz	0.37	0.5	H(m)	47	44	41	36	30	18	2
3.5DS6-53/7M		0.55	0.75		53	50	47	40	33	20	2
3.5DS6-57/8M		0.75	1.0		57	56	52	47	38	23	2

Performance Curves



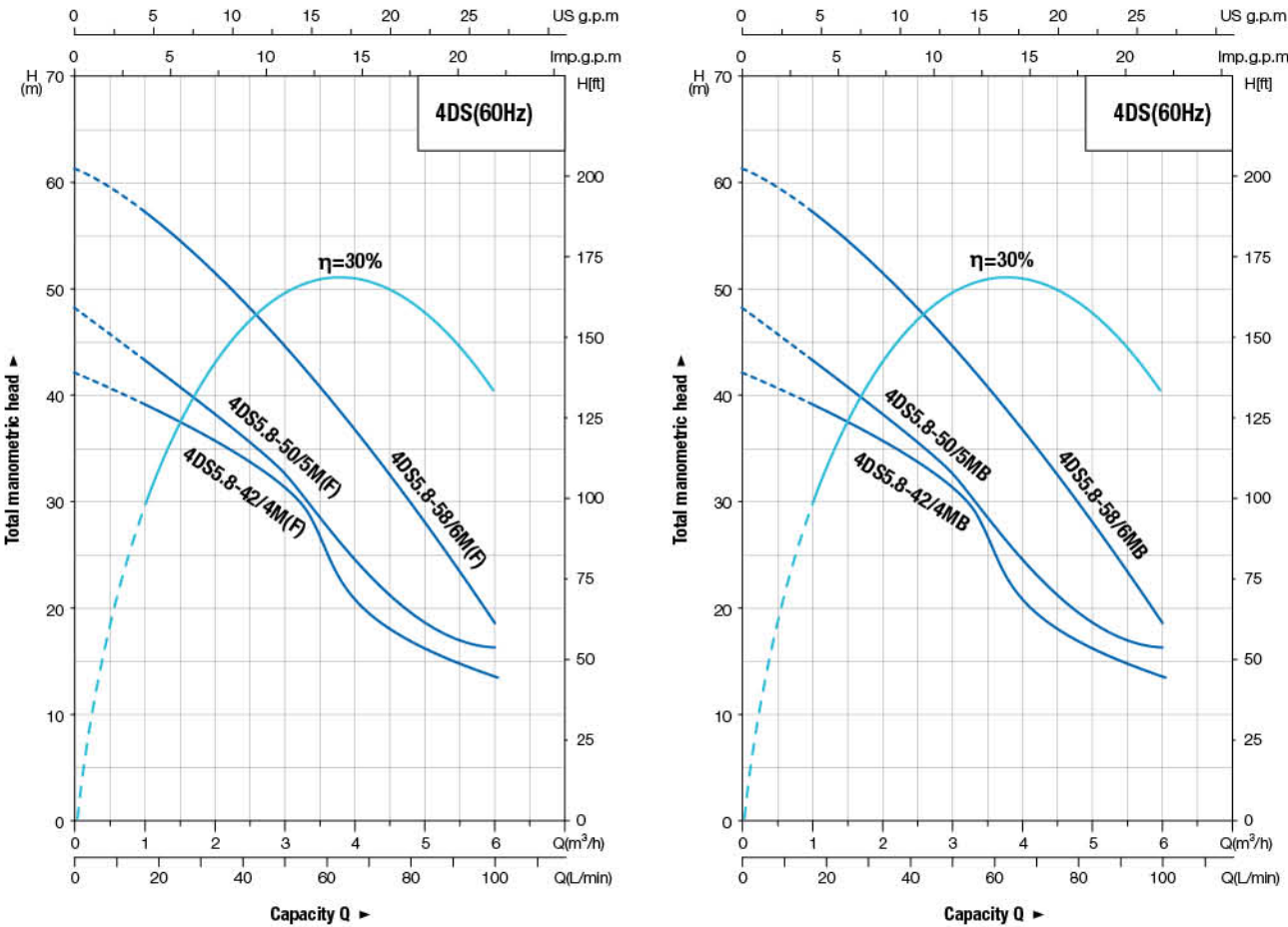
Technical Table n=2850 r/min

Model	Voltage	Power		Q(m³/h)	0	0.5	1	1.5	2	2.5	3
		kW	HP	Q(l/min)	0	8	17	25	33	41	50
4DS3.3-40/5M(F)	220V/50Hz	0.45	0.6	H(m)	40	35	31	25	22	15	10
4DS3.3-70/9M(F)		0.55	0.75		71	68	61	50	40	25	10

Model	Voltage	Power		Q(m³/h)	0	1	2	3	4	5
		kW	HP	Q(l/min)	0	17	33	50	67	83
4DS5.1-40/5M(F)	220V/50Hz	0.37	0.5	H(m)	40	37	31	24	16	5
4DS5.1-48/6M(F)		0.6	0.8		48	41	38	31	24	15
4DS5.1-56/7M(F)		0.75	1.0		56	50	43	35	30	23

Model	Voltage	Power		Q(m³/h)	0	1	2	3	4	5
		kW	HP	Q(l/min)	0	17	33	50	67	83
4DS5.1-40/5MB	220V/50Hz	0.37	0.5	H(m)	40	37	31	24	16	5
4DS5.1-48/6MB		0.6	0.8		48	41	38	31	24	15
4DS5.1-56/7MB		0.75	1.0		56	50	43	35	30	23

Performance Curves



Technical Table n=3450 r/min

Model	Voltage	Power		Q(m³/h)	0	1	2	3	4	5	6
		kW	HP	Q(l/min)	0	17	33	50	67	83	100
4DS5.8-42/4M(F)	230V/60Hz	0.37	0.5	H(m)	42	40	35	32	20	18	14
4DS5.8-50/5M(F)		0.55	0.75		49	44	38	33	25	19	17
4DS5.8-58/6M(F)		0.75	1.0		61	57	53	44	36	28	19
4DS5.8-42/4M	115/127V~60Hz	0.37	0.5		42	40	35	32	20	18	14
4DS5.8-50/5M		0.55	0.75		49	44	38	33	25	19	17
4DS5.8-58/6M		0.75	1.0		61	57	53	44	36	28	19

Model	Voltage	Power		Q(m³/h)	0	1	2	3	4	5	6
		kW	HP	Q(l/min)	0	17	33	50	67	83	100
4DS5.8-42/4MB	230V/60Hz	0.37	0.5	H(m)	42	40	35	32	20	18	14
4DS5.8-50/5MB		0.55	0.75		49	44	38	33	25	19	17
4DS5.8-58/6MB		0.75	1		61	57	53	44	36	28	19
4DS5.8-42/4MB	115/127V~60Hz	0.37	0.5		42	40	35	32	20	18	14
4DS5.8-50/5MB		0.55	0.75		49	44	38	33	25	19	17
4DS5.8-58/6MB		0.75	1		61	57	53	44	36	28	19

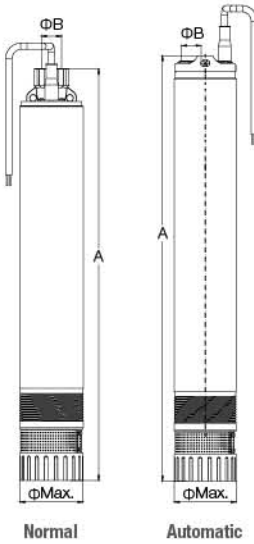
Installation Method and Size

Model	Voltage / Frequency	Dimensions (mm)			G.W. kg	Packaging Size mm	Quantity QTY/20GP
		DN	ΦMax.	A			
3DS3-39/10M	220V/50Hz	G1"	Φ75	804	15	825×85×85	1360
3DS3-53/14M				942	17.5	950×85×85	1240
3DS3-75/20M				1131	21	1150×85×85	1030
3DS3-57/10M	115V/230V ~60Hz	G1"	Φ75	824	15	850×90×90	1200
3DS3-70/12M				920	16	950×85×85	1240

Model	Voltage / Frequency	Dimensions (mm)			G.W. kg	Packaging Size mm	Quantity QTY/20GP
		DN	ΦMax.	A			
3.5DS6-47/6M	115V/230V ~60Hz	G1¼"	Φ90	725	12	750×90×90	1360
3.5DS6-53/7M				766	13	800×90×90	1280
3.5DS6-57/8M				812	14	850×90×90	1200

Model	Voltage / Frequency	Dimensions (mm)			G.W. kg	Packaging Size mm	Quantity QTY/20GP
		DN	ΦMax.	A			
4DS3.3-40/5M(F)	220V/50Hz	G1¼"	Φ98.4	530.7	11	705×130×130	1380
4DS3.3-70/9M(F)				630.2	14	810×130×130	1200
4DS5.1-40/5M(F)	220V/50Hz	G1¼"	Φ98.4	560.6	10	740×130×130	1320
4DS5.1-48/6M(F)				599	11	775×130×130	1280
4DS5.1-56/7M(F)				637.4	12	810×130×130	1200
4DS5.1-40/5MB	220V/50Hz	G1"	Φ98.4	700.4	10	910×140×180	1100
4DS5.1-48/6MB				738.8	11	950×130×130	1080
4DS5.1-56/7MB				777.2	12	990×130×130	990

Model	Voltage / Frequency	Dimensions (mm)			G.W. kg	Packaging Size mm	Quantity QTY/20GP
		DN	ΦMax.	A			
4DS5.8-42/4M	115V/127V/ 230V~60Hz	G1¼"	Φ98.4	532.2	10	705×130×130	1380
4DS5.8-50/5M				560.6	11	740×130×130	1320
4DS5.8-58/6M				599	12	790×130×130	1280
4DS5.8-42/4MB	115V/127V/ 230V~60Hz	G1"	Φ98.4	672	10	880×130×130	1180
4DS5.8-50/5MB				710.4	11	910×130×130	1150
4DS5.8-58/6MB				748.8	12	960×130×130	1050



5DS

Deep Well Pump



Application

Transferring clean water from wells and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation

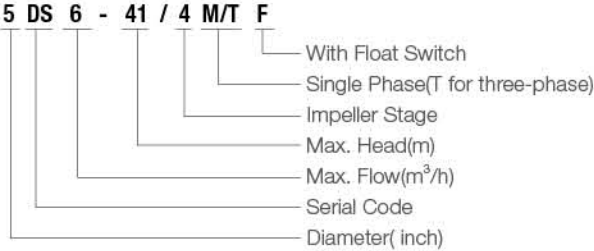
Motor and Pump

Rewindable dry-type motor
One-piece compact pump housing
High-level corrosion-resistance stainless steel
Single phase: 220~240V-50/60Hz
Three phase: 380~415V-50/60Hz
Insulation class: F
Protection class: IP68

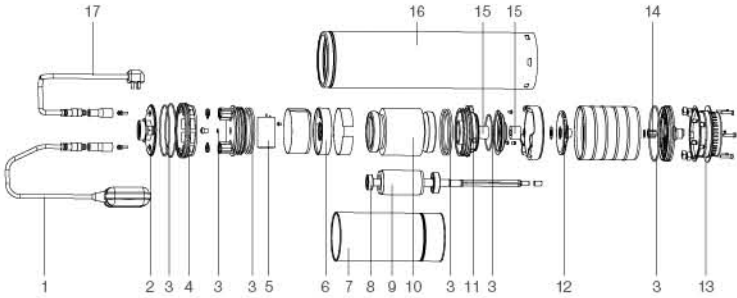
Operating Limits

Maximum fluid temperature: 40°C
Max. Sand content: 0.15%
Minimum well diameter: 5"

Model Instruction

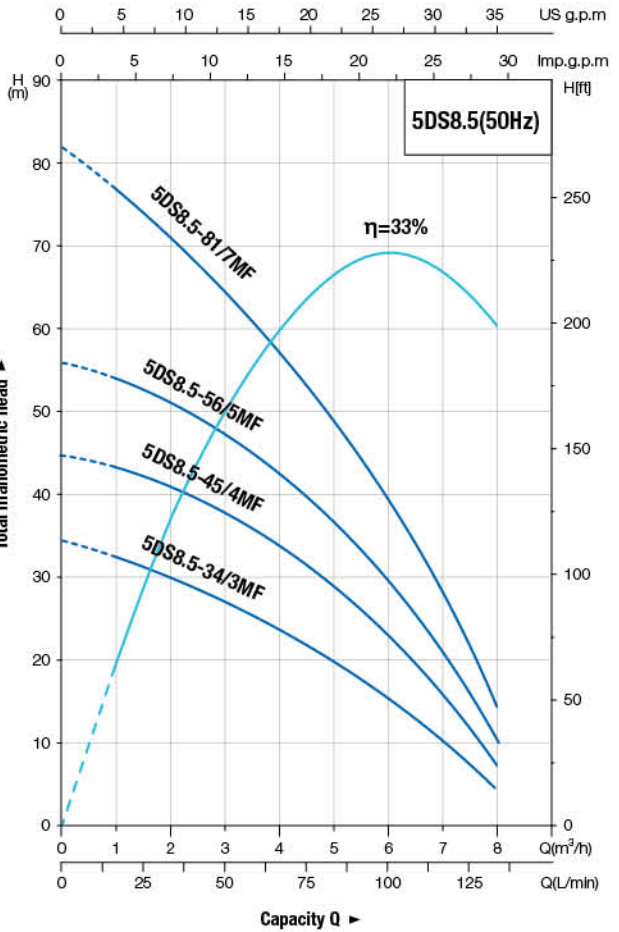
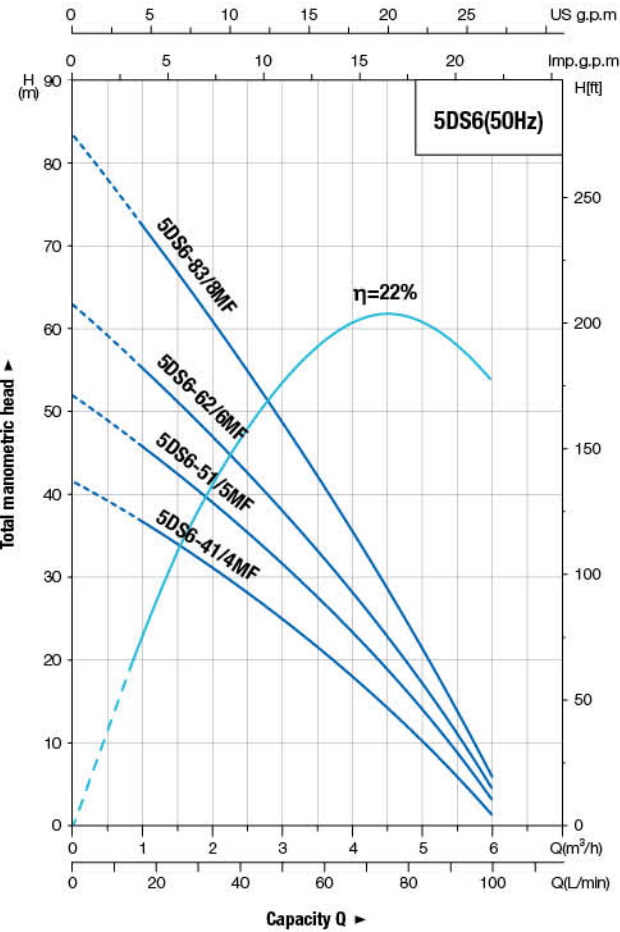


Model Analysis



NO.	Component	NO.	Material	NO.	Material
1	Float switch	7	Motor housing	13	Inlet strainer
2	Top cover	8	Bearing	14	Rubber bearing
3	O ring	9	Rotor	15	Mechanical seal
4	Upper support	10	Stator	16	Outer casing
5	Capacitor	11	Bottom bearing seat	17	Cable
6	Upper bearing seat	12	Impeller		

Performance Curves

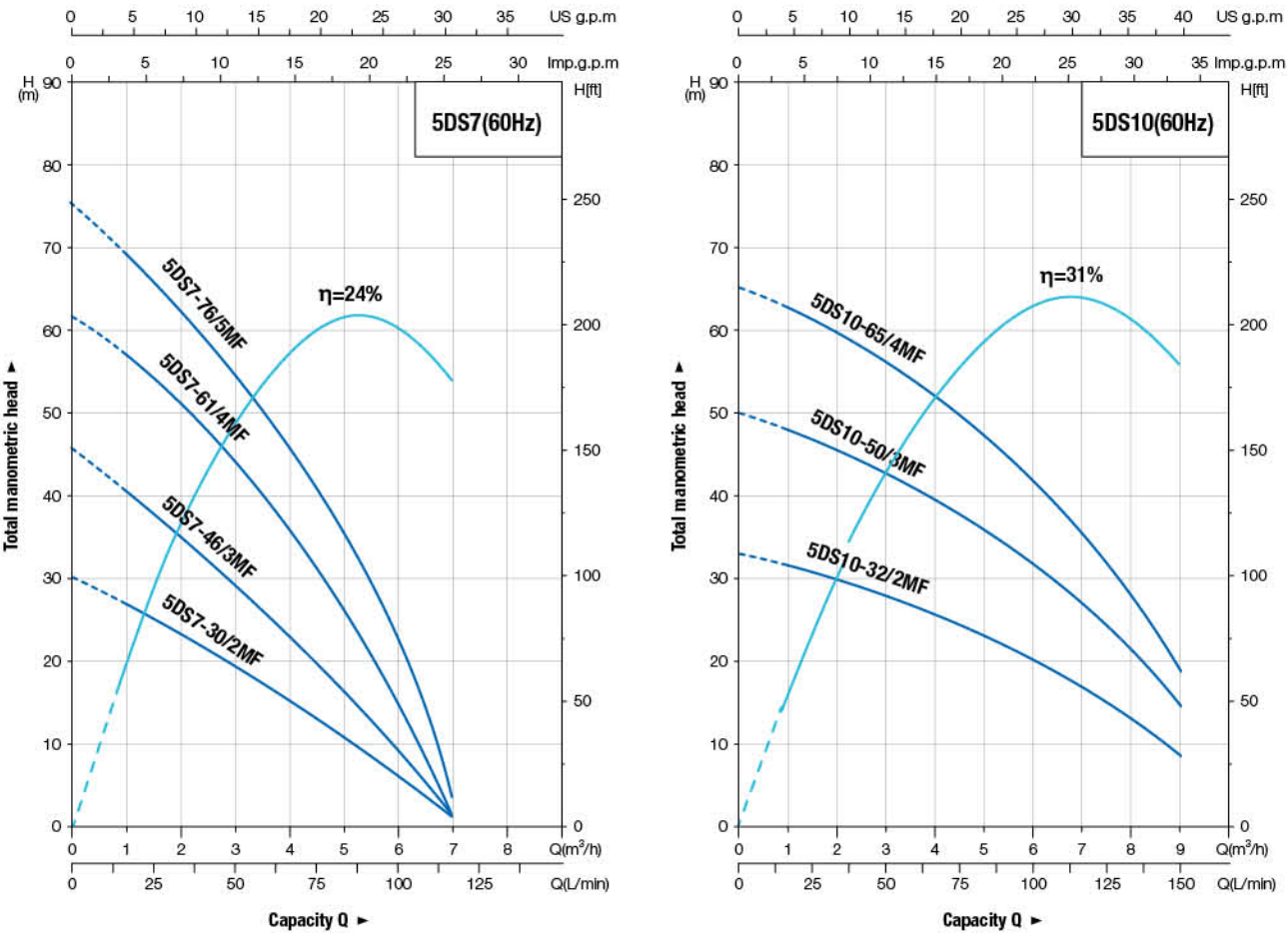


Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1	2	3	4	5	6
Single phase (220V/50Hz)	Three phase (380V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83	100
5DS6-41/4MF	5DS6-41/4T	0.55	0.75	H(m)	41	37	30	25	17	10	2
5DS6-51/5MF	5DS6-51/5T	0.75	1.0		51	45	39	31	23	13	3
5DS6-62/6MF	5DS6-62/6T	0.92	1.3		62	56	48	39	29	15	4
5DS6-83/8MF	5DS6-83/8T	1.1	1.5		83	74	65	53	39	22	5

Model		Power		Q(m³/h)	0	1	2	3	4	5	6	7	8
Single phase (220V/50Hz)	Three phase (380V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83	100	116	134
5DS8.5-34/3MF	5DS8.5-34/3T	0.55	0.75	H(m)	34	32	30	27	23	19	15	10	5
5DS8.5-45/4MF	5DS8.5-45/4T	0.75	1.0		45	44	42	39	34	29	23	15	7
5DS8.5-56/5MF	5DS8.5-56/5T	1.1	1.5		56	54	52	48	42	37	29	20	10
5DS8.5-81/7MF	5DS8.5-81/7T	1.5	2.0		81	75	72	64	58	49	35	25	13

Performance Curves



Technical Table n=3450 r/min

Model	Power		Q(m³/h)	0	1	2	3	4	5	6
Single phase (230V/60Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83	100
5DS7-30/2MF	0.55	0.75	H(m)	30	28	24	20	16	10	8
5DS7-46/3MF	0.75	1.0		46	40	35	29	23	15	10
5DS7-61/4MF	1.1	1.5		61	56	50	44	35	26	16
5DS7-76/5MF	1.5	2.0		76	70	64	55	46	34	23

Model	Power		Q(m³/h)	0	1	2	3	4	5	6	7	8	9
Single phase (230V/60Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83	100	116	134	150
5DS10-32/2MF	0.75	1.0	H(m)	32	31	30	28	26	23	20	17	13	9
5DS10-50/3MF	1.1	1.5		50	48	45	43	39	36	31	26	20	14
5DS10-65/4MF	1.5	2.0		65	63	61	57	52	48	42	36	26	19

6DS
Deep Well Pump



Application

Transferring clean water from wells and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation

Motor and Pump

Rewindable dry-type motor
High-level corrosion-resistance stainless steel
Insulation class: F
Protection class: IP68

Operating Limits

Maximum fluid temperature: 40°C
Max. Sand content: 0.15%
Minimum well diameter: 6"

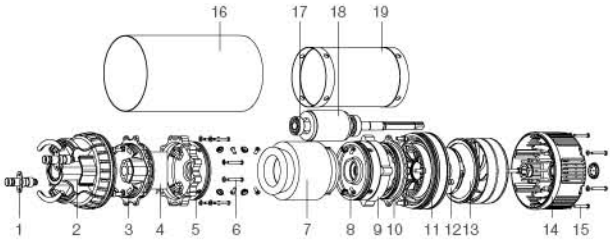
Model Instruction

6 DS 6 - 33 / 3 M(T) F

- With Float Switch
- Single Phase(T for three-phase)
- Impeller Stage
- Max. Head(m)
- Max. Flow(m³/h)
- Serial Code
- Diameter(inch)

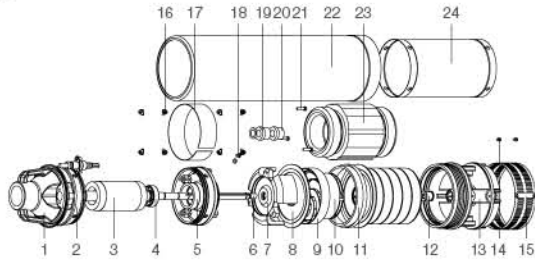
Model Analysis

6DS6



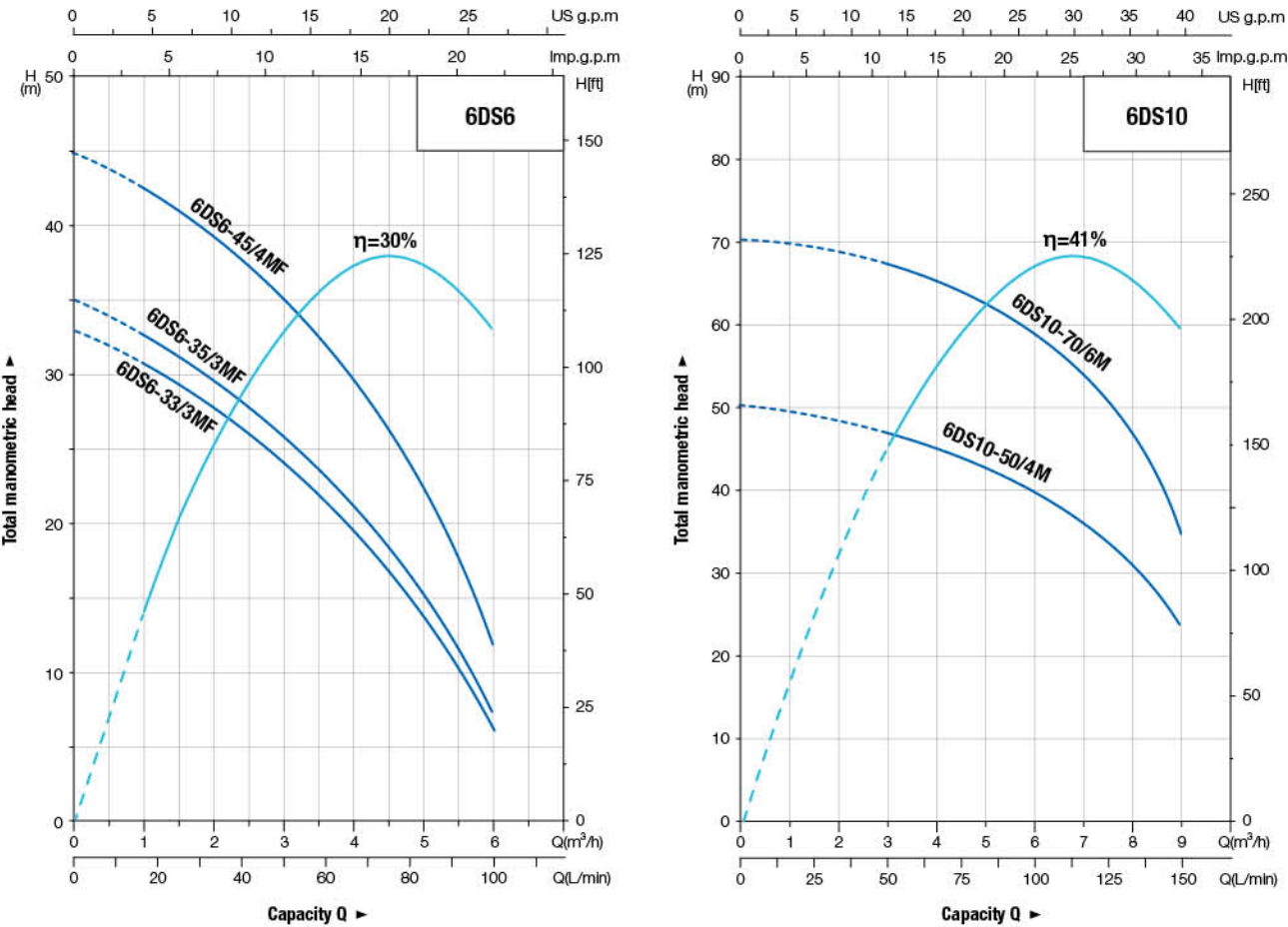
NO.	Component	NO.	Material	NO.	Material
1	Cable	8	O ring	15	Screw
2	Outlet	9	Bottom bearing seat	16	Outer casing
3	Top cover	10	Support	17	Bearing
4	Capacitor	11	Guide vane	18	Rotor
5	Upper bearing seat	12	Impeller	19	Motor housing
6	Bolt	13	Platen cover		
7	Winding stator	14	Inlet		

6DS10



NO.	Component	NO.	Material	NO.	Material
1	Outlet	9	Guide vane	17	Stator circlip
2	Cable	10	Impeller	18	Bleeding bolt
3	Rotor	11	Rubber sealing ring	19	Mechanical seal
4	Bearing	12	Rubber bearing	20	Mechanical seal
5	Bottom bearing seat	13	Inlet	21	Bolt
6	Shaft sleeve	14	Screw	22	Outer casing
7	Support	15	Filter	23	Winding stator
8	Platen cover	16	Flat washer & screw	24	Motor housing

Performance Curves



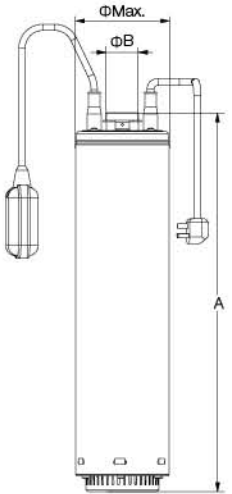
Technical Table n=2850 r/min n=3450 r/min

Model	Voltage	Power		Q(m³/h)	0	1	2	3	4	5	6
		kW	HP								
6DS6-35/3MF	115V/127V/ 230V~60Hz	0.55	0.75	H(m)	35	34	31	26	21	15	7
6DS6-45/4MF		0.75	1.1		45	43	40	35	30	22	12
6DS6-33/3MF	220V/50Hz	0.55	0.75		33	31	28	24	19	13	6
6DS6-45/4MF		0.75	1.1		45	43	40	35	30	22	12

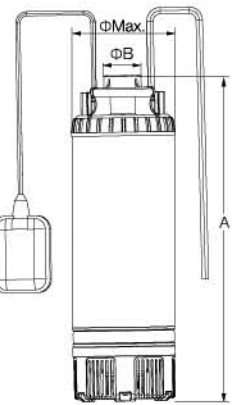
Model		Power		Q(m³/h)	0	3	6	9
Single phase	Three phase	kW	HP					
6DS10-50/4M	6DS10-50/4T	1.1	1.5	H(m)	50	45	40	23
6DS10-70/6M	6DS10-70/6T	2.2	3		70	69	60	35

Installation Method and Size

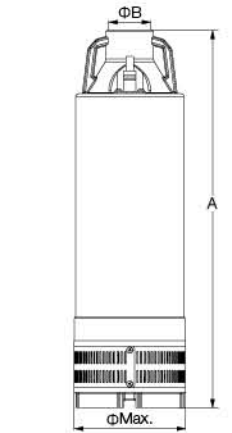
Model		Voltage / Frequency	Dimensions (mm)			N.W.(kg)	Packaging Size (mm)		
Single phase	Three phase		DN	ΦMax.	A		1~ / 3~	1~	3~
5DS6-41/4MF	5DS6-41/4T	220V/380V ~50Hz	G1¼"	Φ133	533	13/12.8	630×155×195	630×155×160	
5DS6-51/5MF	5DS6-51/5T				569	14.2/14	660×155×195	660×155×160	
5DS6-62/6MF	5DS6-62/6T				610	15.8/15.6	700×155×195	700×155×160	
5DS6-83/8MF	5DS6-83/8T				682	17.8/17.6	780×155×195	780×155×160	
5DS8.5-34/3MF	5DS8.5-34/3T				507	12.8/12.5	600×155×195	600×155×160	
5DS8.5-45/4MF	5DS8.5-45/4T				558	13.8/13.5	650×155×195	650×155×160	
5DS8.5-56/5MF	5DS8.5-56/5T				604	16.5/16.3	700×155×195	700×155×160	
5DS8.5-81/7MF	5DS8.5-81/7T				671	18.8/18.6	770×155×195	770×155×160	
5DS7-30/2MF	-	230V ~60Hz	G1¼"	Φ133	481	12.5/-	580×155×195	-	
5DS7-46/3MF	-				517	13.5/-	610×155×195	-	
5DS7-61/4MF	-				578	16.5/-	670×155×195	-	
5DS7-76/5MF	-				619	18/-	710×155×195	-	
5DS10-32/2MF	-				492	13/-	590×155×195	-	
5DS10-50/3MF	-				552	16/-	650×155×195	-	
5DS10-65/4MF	-				593	17.5/-	690×155×195	-	



Model	Voltage / Frequency	Dimensions (mm)			G.W. kg	Packaging Size mm	Quantity QTY/20GP
		DN	ΦMax.	A			
6DS6-35/3MF	115V/127V/ 220V~60Hz	G1"	Φ146	456	12.5	530×170×250	1173
6DS6-45/4MF				494	14	630×170×250	980
6DS6-33/3MF	220V/50Hz	G1"	Φ146	456	12.5	530×170×250	1173
6DS6-45/4MF				494	14	630×170×250	980



Model	Voltage / Frequency	Dimensions (mm)			G.W. kg	Packaging Size mm	Quantity QTY/20GP
		DN	ΦMax.	A			
6DS10-50/4M	220V/50Hz	G1½"	Φ144	600.5	22	940×170×205	807
6DS10-70/6M				681.5	26	1000×170×205	758
6DS10-50/4T	380V/50Hz	G1½"	Φ144	600.5	22	940×170×205	807
6DS10-70/6T				681.5	26	1000×170×205	758



2.5Dm

Deep Well Pump



Application

Transferring water from deep well and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation

Operating Limits

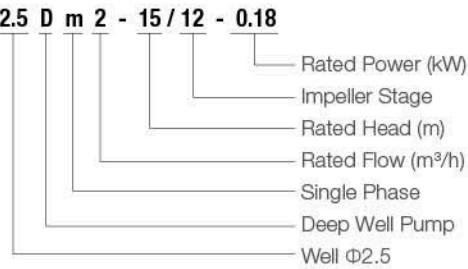
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 100m
Minimum well diameter: 2.5"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Optional equipped with control box
Protection class: IP68
Insulation class: B

One Year Warranty

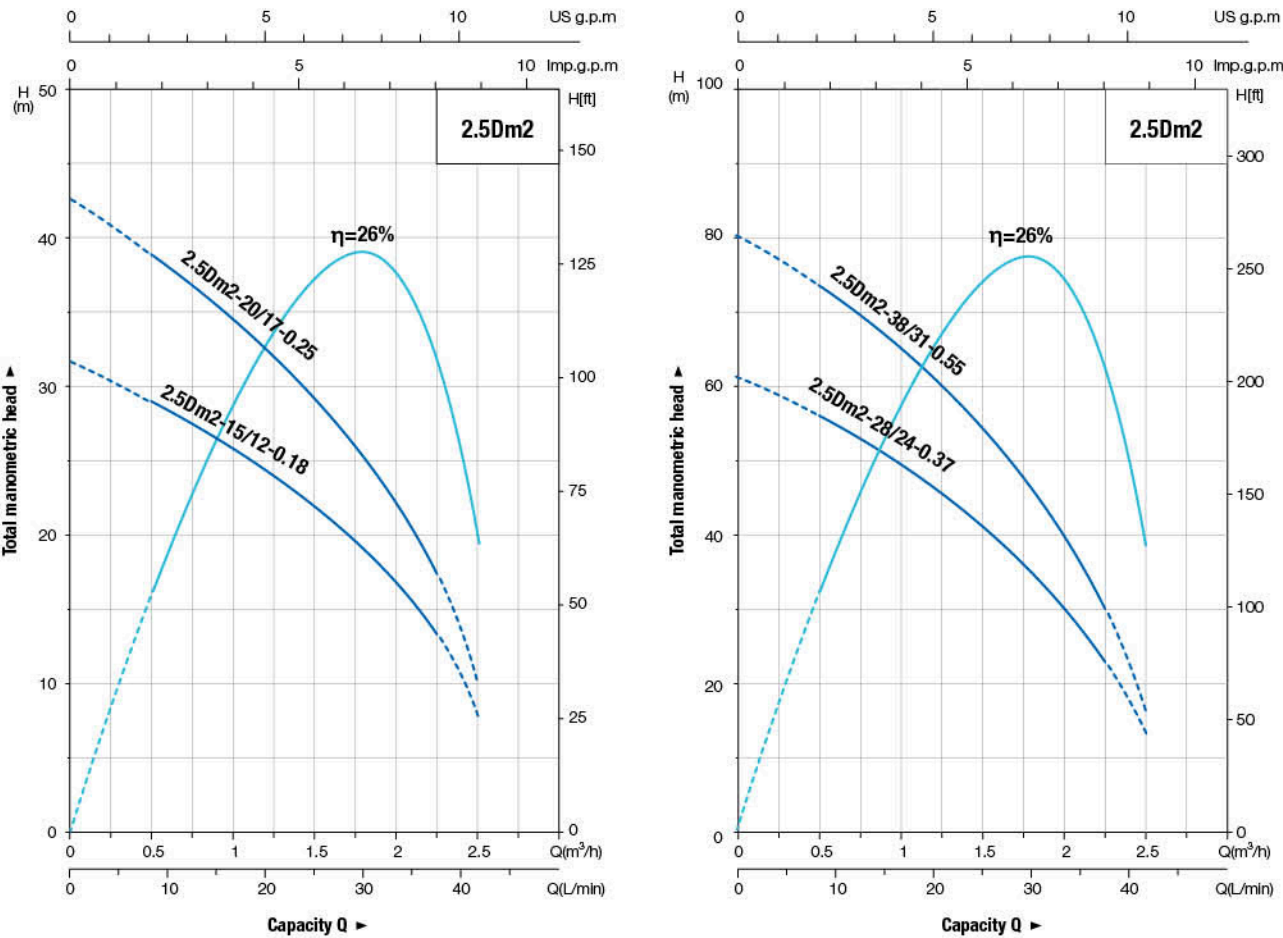
Model Instruction



Model Analysis

Component	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic PC
Impeller	Plastic,POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

Performance Curves

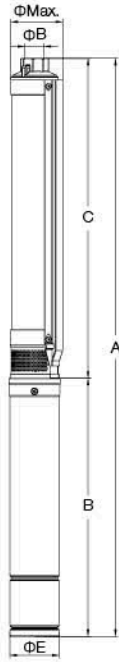


Technical Table n=2850 r/min

Model	Power		Q(m³/h)	0	0.5	1	1.5	2	2.5
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	8	17	25	33	42
2.5Dm2-15/12-0.18	0.18	0.25	H(m)	30	27	24	20	15	6
2.5Dm2-20/17-0.25	0.25	0.33		41	38	33	27	20	8
2.5Dm2-28/24-0.37	0.37	0.5		60	55	48	40	28	11
2.5Dm2-38/31-0.55	0.55	0.75		80	72	64	54	38	15

Installation Method and Size

Model	Outlet	Dimensions (mm)					N.W.
Single phase(220-240V/50Hz)	DN	ΦE	ΦMax.	A	B	C	kg
2.5Dm2-15/12-0.18	G1"	Φ64	Φ70	772	285	487	6.1
2.5Dm2-20/17-0.25				948	306	642	6.5
2.5Dm2-28/24-0.37				1174	345	829	8.2
2.5Dm2-38/31-0.55				1434	397	1037	9.7



3Dm

Deep Well Pump



Application

Transferring water from deep well and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation

Operating Limits

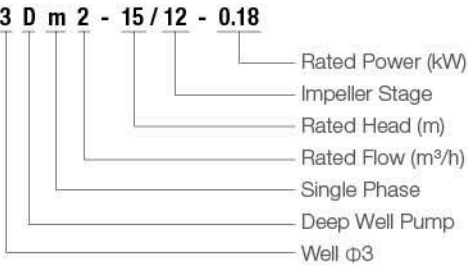
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 100m
Minimum well diameter: 3"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Optional equipped with control box
Protection class: IP68
Insulation class: B

One Year Warranty

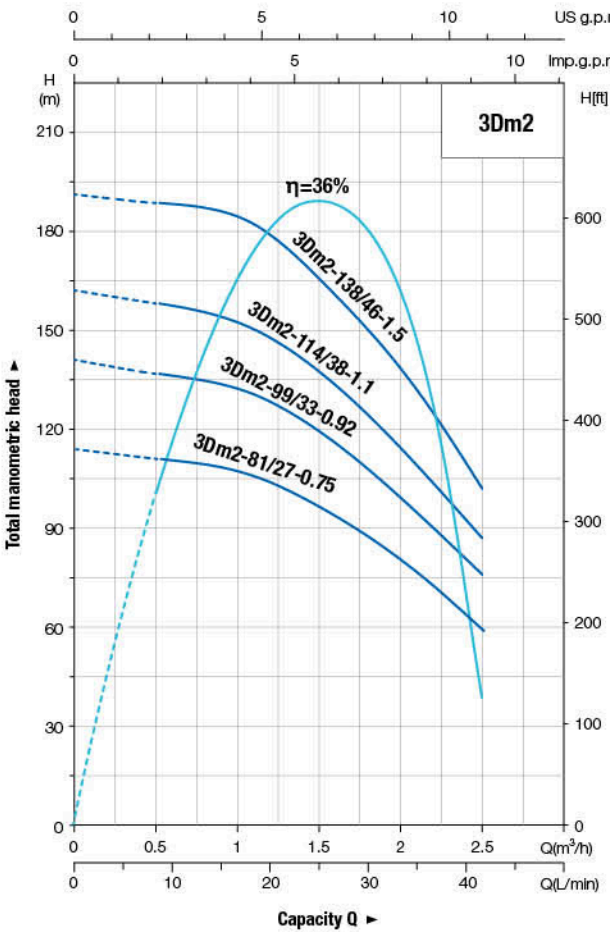
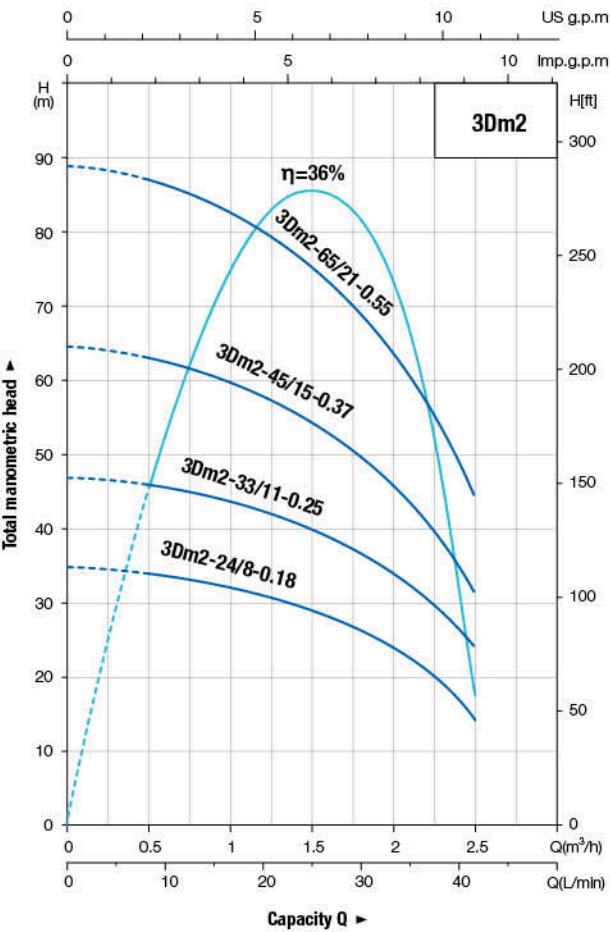
Model Instruction



Model Analysis

Component	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

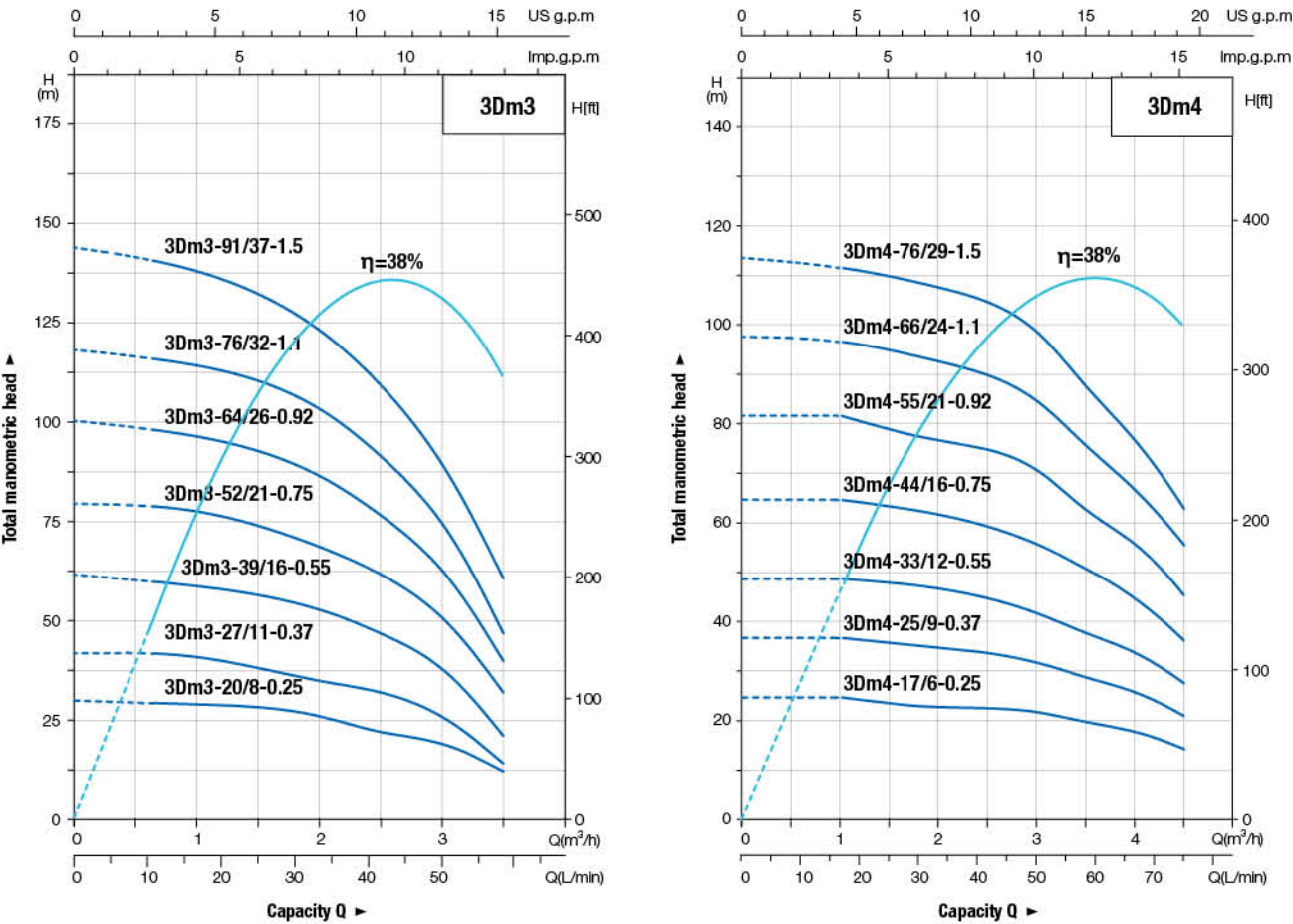
Performance Curves



Technical Table n=2850 r/min

Model	Power		Q(m³/h)	0	0.5	1	1.5	2	2.5
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	8	17	25	33	42
3Dm2-24/8-0.18	0.18	0.25	H(m)	34	34	32	29	24	16
3Dm2-33/11-0.25	0.25	0.33		47	46	44	40	33	24
3Dm2-45/15-0.37	0.37	0.5		64	62	60	54	45	31
3Dm2-63/21-0.55	0.55	0.75		89	86	84	75	63	43
3Dm2-81/27-0.75	0.75	1		115	112	108	97	81	60
3Dm2-99/33-0.92	0.92	1.25		141	136	132	119	99	76
3Dm2-114/38-1.1	1.1	1.5		162	158	152	137	114	87
3Dm2-138/46-1.5	1.5	2		191	187	184	165	138	102

Performance Curves



Technical Table n=2850 r/min

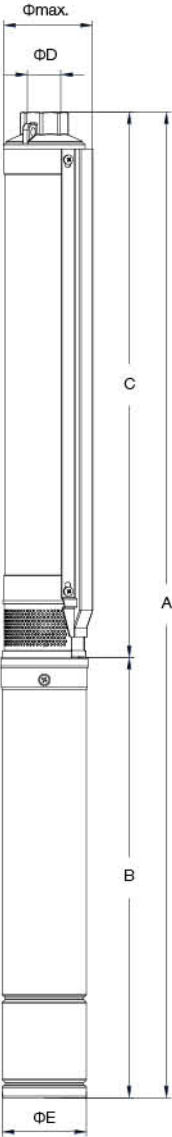
Model	Power		Q(m³/h)	0	1	2	2.5	3	3.5	
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	17	33	42	50	58	
3Dm3-20/8-0.25	0.25	0.33	H(m)	31	30	27	23	20	13	
3Dm3-27/11-0.37	0.37	0.5		43	42	36	33	27	15	
3Dm3-39/16-0.55	0.55	0.75		63	60	54	48	39	22	
3Dm3-52/21-0.75	0.75	1		81	79	70	63	52	33	
3Dm3-64/26-0.92	0.92	1.25		102	98	88	78	64	41	
3Dm3-76/32-1.1	1.1	1.5		120	116	105	93	76	48	
3Dm3-91/37-1.5	1.5	2		146	140	125	111	91	62	
Model	Power		Q(m³/h)	0	1	2	3	3.5	4	5
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	58	67	83
3Dm4-17/6-0.25	0.25	0.33	H(m)	24	24	22	21	19	17	9
3Dm4-25/9-0.37	0.37	0.5		36	36	34	31	28	25	14
3Dm4-33/12-0.55	0.55	0.75		48	48	46	41	37	33	19
3Dm4-44/16-0.75	0.75	1		64	64	61	55	50	44	25
3Dm4-55/21-0.92	0.92	1.25		81	81	76	70	62	55	31
3Dm4-66/24-1.1	1.1	1.5		97	96	92	84	75	66	42
3Dm4-76/29-1.5	1.5	2		113	111	107	98	87	76	46

Installation Method and Size

Model	Outlet	Dimensions (mm)					N.W.
1~ 220~240V/50Hz	DN	ΦE	ΦMax.	A	B	C	kg
3Dm2-24/8-0.18	G1"	Φ72	Φ79	674	300	374	7.5
3Dm2-33/11-0.25				787	320	467	8.4
3Dm2-45/15-0.37				910	350	560	8.9
3Dm2-63/21-0.55				1102	380	722	10.8
3Dm2-81/27-0.75				1282	420	862	12.6
3Dm2-99/33-0.92				1486	460	1026	14.5
3Dm2-114/38-1.1				1672	505	1167	16
3Dm2-138/46-1.5				1932	555	1377	19.7

Model	Outlet	Dimensions (mm)					N.W.
1~ 220~240V/50Hz	DN	ΦE	ΦMax.	A	B	C	kg
3Dm3-20/8-0.25	G1"	Φ72	Φ79	724	320	404	8
3Dm3-27/11-0.37				860	350	510	9
3Dm3-39/16-0.55				1020	380	640	10.5
3Dm3-52/21-0.75				1218	420	798	12.2
3Dm3-64/26-0.92				1389	460	929	13.5
3Dm3-76/32-1.1				1615	505	1110	15.7
3Dm3-91/37-1.5				1799	555	1244	18.8

Model	Outlet	Dimensions (mm)					N.W.
1~ 220~240V/50Hz	DN	ΦE	ΦMax.	A	B	C	kg
3Dm4-17/6-0.25	G1"	Φ72	Φ79	704	320	384	7.9
3Dm4-25/9-0.37				829	350	479	9.1
3Dm4-33/12-0.55				980	380	600	10.4
3Dm4-44/16-0.75				1146	420	726	11.9
3Dm4-55/21-0.92				1370	460	910	13.6
3Dm4-66/24-1.1				1511	505	1006	15.2
3Dm4-76/29-1.5				1744	555	1189	18.4



3.5Dm

Deep Well Pump



Application

Transferring water from deep well and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation

Operating Limits

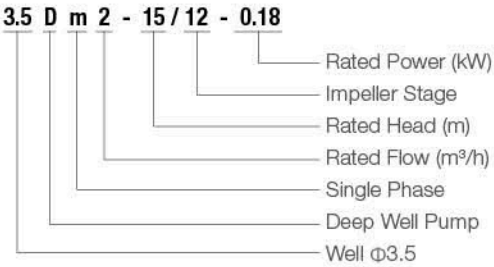
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 100m
Minimum well diameter: 3.5"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Optional equipped with control box
Protection class: IP68
Insulation class: B

One Year Warranty

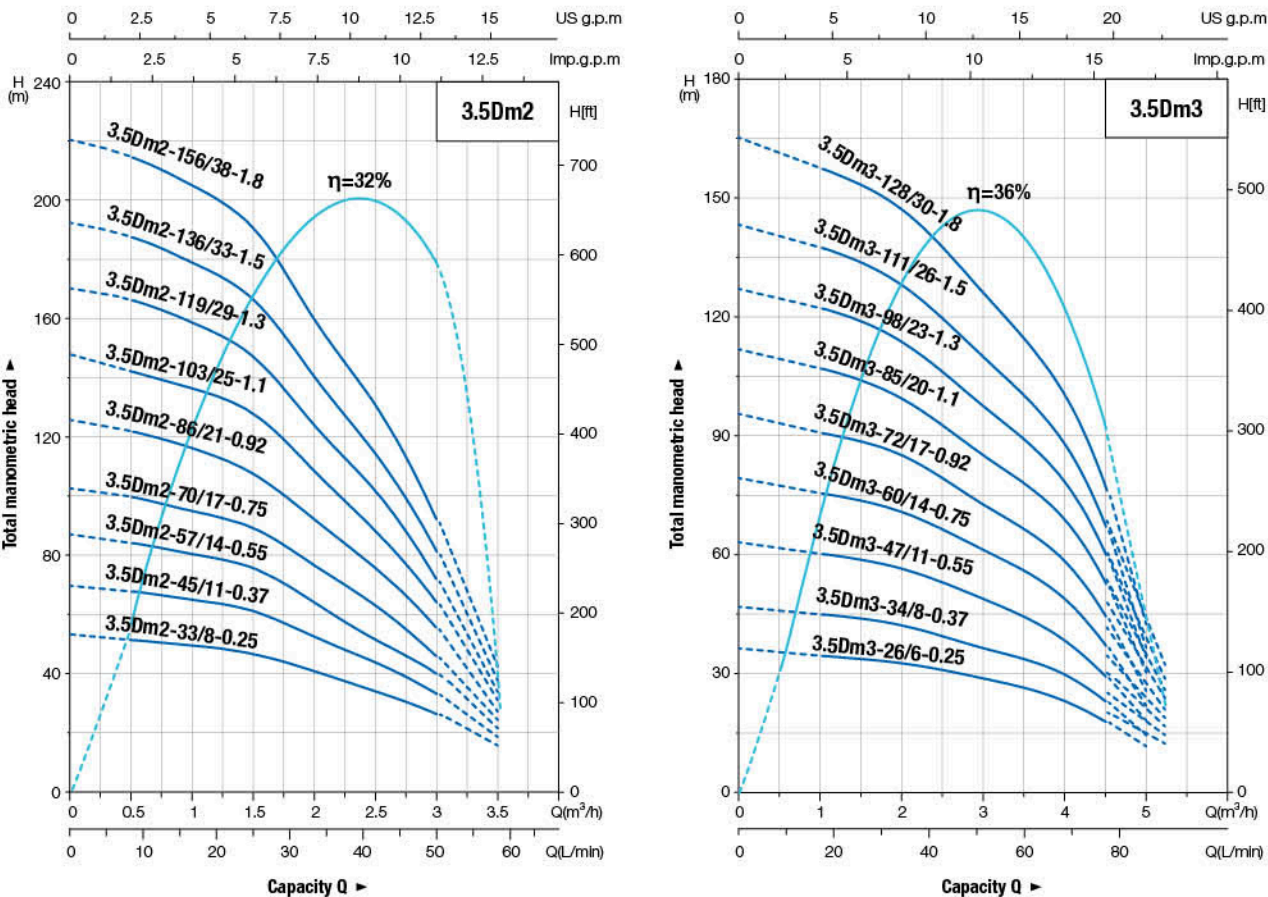
Model Instruction



Model Analysis

Component	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic PC
Impeller	Plastic,POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

Performance Curves

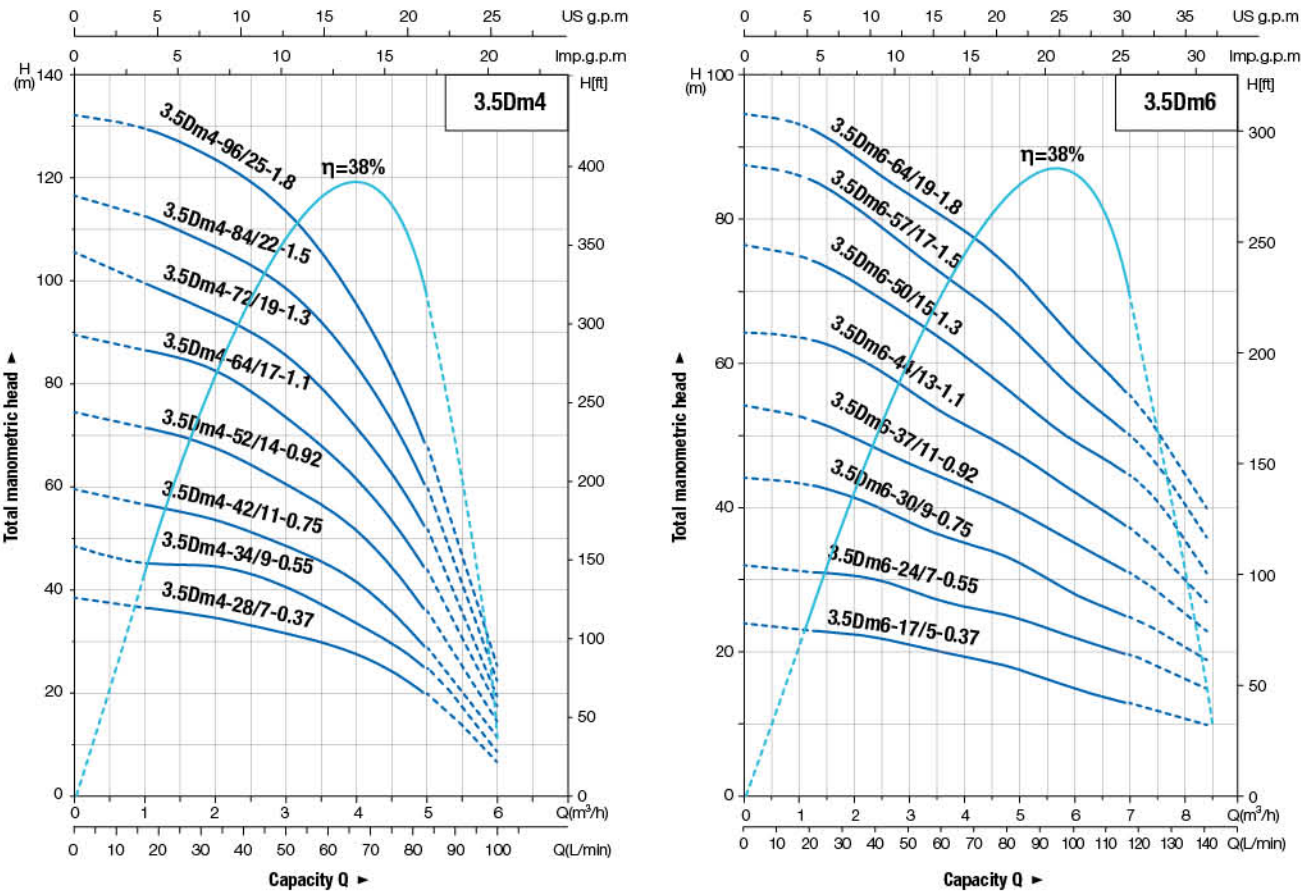


Technical Table n=2850 r/min

Model	Power		Q(m³/h)	0	0.5	1	1.5	2	2.5	3	3.5
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	8	17	25	33	42	50	58
3.5Dm2-33/8-0.25	0.25	0.33	H(m)	46	44	42	39	33	26	18	7
3.5Dm2-45/11-0.37	0.37	0.5		63	61	58	54	45	36	25	10
3.5Dm2-57/14-0.55	0.55	0.75		81	78	74	69	57	44	32	13
3.5Dm2-70/17-0.75	0.75	1		97	94	89	83	70	56	38	16
3.5Dm2-86/21-0.92	0.92	1.25		121	117	111	102	86	69	48	19
3.5Dm2-103/25-1.1	1.1	1.5		144	138	132	123	103	82	57	23
3.5Dm2-119/29-1.3	1.3	1.75		167	163	155	143	119	96	65	26
3.5Dm2-136/33-1.5	1.5	2		190	185	176	163	136	109	75	30
3.5Dm2-156/38-1.8	1.8	2.5		219	213	203	188	156	126	86	35

Model	Power		Q(m³/h)	0	1	2	3	4	5
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83
3.5Dm3-26/6-0.25	0.25	0.33	H(m)	34	32	30	26	20	8
3.5Dm3-34/8-0.37	0.37	0.5		45	43	40	34	27	11
3.5Dm3-47/11-0.55	0.55	0.75		62	59	55	47	36	15
3.5Dm3-60/14-0.75	0.75	1		79	75	70	60	47	19
3.5Dm3-72/17-0.92	0.92	1.25		96	91	85	72	57	23
3.5Dm3-85/20-1.1	1.1	1.5		113	108	100	85	68	28
3.5Dm3-98/23-1.3	1.3	1.75		129	124	115	98	78	32
3.5Dm3-111/26-1.5	1.5	2		146	140	130	111	88	36
3.5Dm3-128/30-1.8	1.8	2.5		169	161	150	128	101	41

Performance Curves



Technical Table n=2850 r/min

Model	Power		Q(m³/h)	0	1	2	3	4	5	6
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83	100
3.5Dm4-28/7-0.37	0.37	0.55	H(m)	39	37	35	32	28	20	7
3.5Dm4-34/9-0.55	0.55	0.75		49	47	45	41	34	25	9
3.5Dm4-42/11-0.75	0.75	1		60	57	54	49	42	29	12
3.5Dm4-52/14-0.92	0.92	1.25		75	72	68	61	52	36	15
3.5Dm4-64/17-1.1	1.1	1.5		90	87	83	74	64	44	18
3.5Dm4-72/19-1.3	1.3	1.75		106	100	94	86	72	52	20
3.5Dm4-84/22-1.5	1.5	2		117	113	107	99	84	60	23
3.5Dm4-96/25-1.8	1.8	2.5		134	130	124	114	96	68	26

Model	Power		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4
Single phase(220-240V/50Hz)	kW	HP	Q(l/min)	0	20	40	60	80	100	120	140
3.5Dm6-17/5-0.37	0.37	0.55	H(m)	26	25	24	22	20	17	15	12
3.5Dm6-24/7-0.55	0.55	0.75		34	33	32	29	27	24	21	17
3.5Dm6-30/9-0.75	0.75	1		46	45	42	38	35	30	27	21
3.5Dm6-37/11-0.92	0.92	1.25		56	54	50	46	42	37	33	25
3.5Dm6-44/13-1.1	1.1	1.5		66	65	61	55	50	44	39	29
3.5Dm6-50/15-1.3	1.3	1.75		78	76	71	65	58	50	45	33
3.5Dm6-57/17-1.5	1.5	2		89	87	81	74	67	57	51	38
3.5Dm6-64/19-1.8	1.8	2.5		96	94	88	82	75	64	57	42

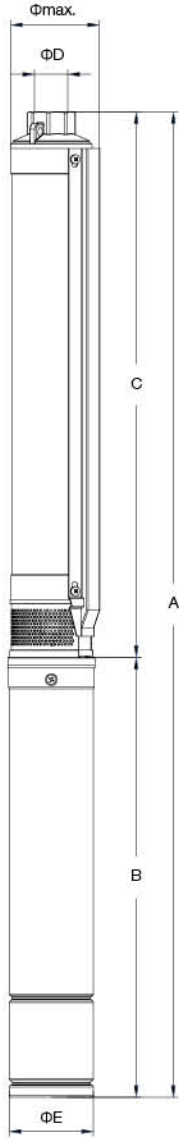
Installation Method and Size

Model	Outlet	Dimensions (mm)					N.W.
1~ 220~240V/50Hz	DN	ΦE	ΦMax.	A	B	C	kg
3.5Dm2-33/8-0.25	G1¼"	Φ85	Φ87	699	313	386	8.9
3.5Dm2-45/11-0.37				812	328	484	9.7
3.5Dm2-57/14-0.55				893	338	555	10.4
3.5Dm2-70/17-0.75				979	353	626	11.2
3.5Dm2-86/21-0.92				1115	368	747	12.3
3.5Dm2-103/25-1.1				1230	388	842	13.4
3.5Dm2-119/29-1.3				1376	413	963	14.9
3.5Dm2-136/33-1.5				1496	438	1058	16.9
3.5Dm2-156/38-1.8				1666	463	1203	18.5

Model	Outlet	Dimensions (mm)					N.W.
1~ 220~240V/50Hz	DN	ΦE	ΦMax.	A	B	C	kg
3.5Dm3-26/6-0.25	G1¼"	Φ85	Φ87	668	313	355	9.1
3.5Dm3-34/8-0.37				734.5	327.5	407	9.7
3.5Dm3-47/11-0.55				853	338	515	10.7
3.5Dm3-60/14-0.75				946	353	593	11.5
3.5Dm3-72/17-0.92				1039	368	671	12.3
3.5Dm3-85/20-1.1				1167	388	779	13.5
3.5Dm3-98/23-1.3				1270	413	857	15
3.5Dm3-111/26-1.5				1373	438	935	16.1
3.5Dm3-128/30-1.8				1532	463	1069	17.9

Model	Outlet	Dimensions (mm)					N.W.
1~ 220~240V/50Hz	DN	ΦE	ΦMax.	A	B	C	kg
3.5Dm4-28/7-0.37	G1¼"	Φ85	Φ87	727	328	399	9.5
3.5Dm4-36/9-0.55				795	338	457	10.2
3.5Dm4-42/11-0.75				894	353	541	11
3.5Dm4-52/14-0.92				996	368	628	11.8
3.5Dm4-62/17-1.1				1102	388	714	12.8
3.5Dm4-72/19-1.3				1212	413	799	14.3
3.5Dm4-84/22-1.5				1323	438	885	15.5
3.5Dm4-96/25-1.8				1435	463	972	16.8

Model	Outlet	Dimensions (mm)					N.W.
1~ 220~240V/50Hz	DN	ΦE	ΦMax.	A	B	C	kg
3.5Dm6-17/5-0.37	G1¼"	Φ85	Φ87	703	328	375	8.9
3.5Dm6-24/7-0.55				784	338	446	9.7
3.5Dm6-30/9-0.75				870	353	517	10.7
3.5Dm6-37/11-0.92				983	368	615	11.5
3.5Dm6-44/13-1.1				1074	388	686	12.5
3.5Dm6-50/15-1.3				1170	413	757	14
3.5Dm6-57/17-1.5				1266	438	828	15
3.5Dm6-64/19-1.8				1389	463	926	16.4



4Dm
Deep Well Pump



Application

Transferring water from deep well and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation

Operating Limits

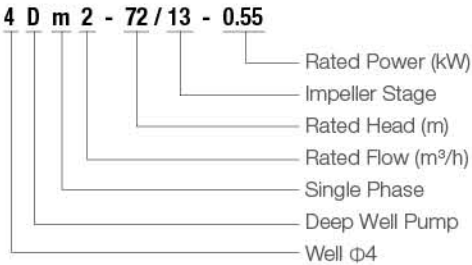
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 100m
Minimum well diameter: 4"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Optional equipped with control box
Protection class: IP68
Insulation class: B

One Year Warranty

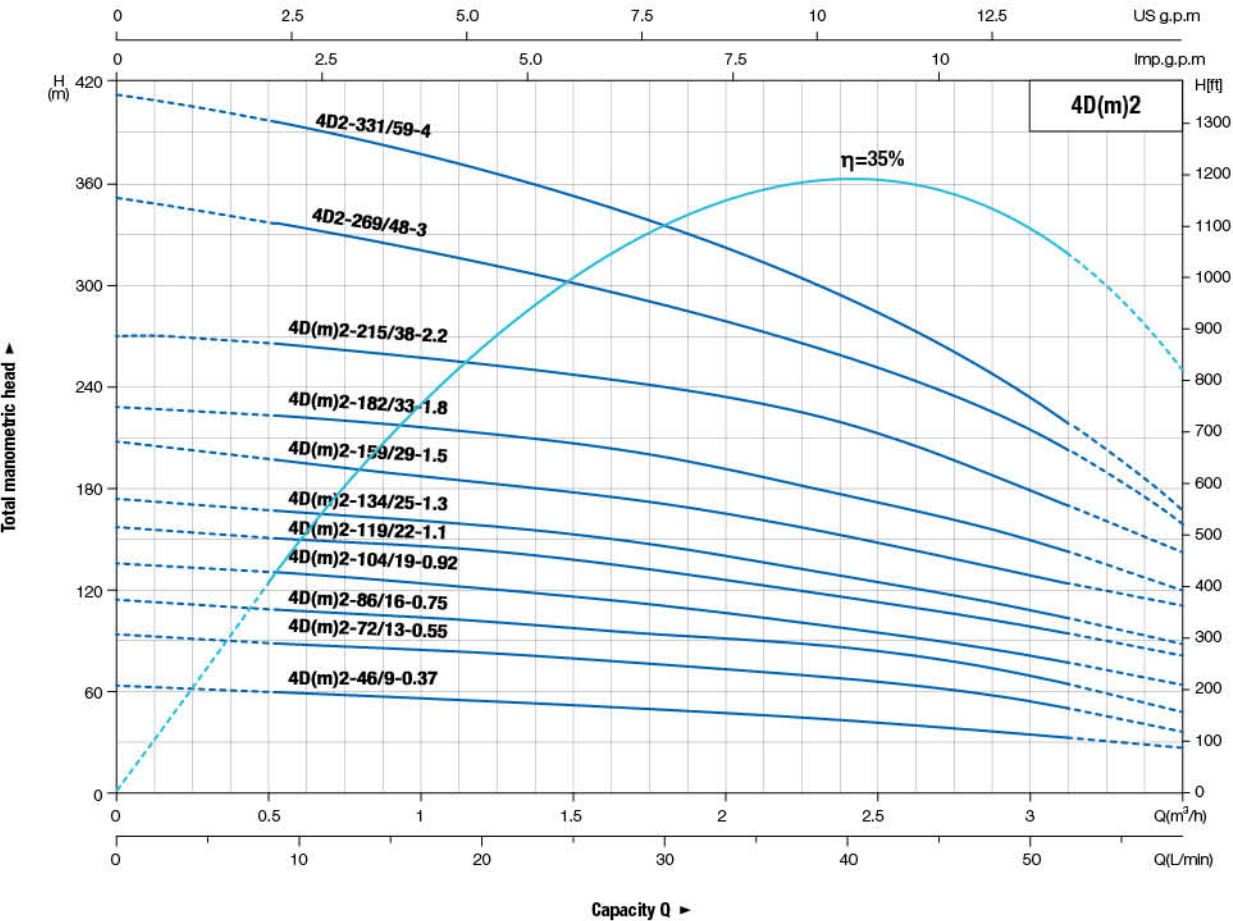
Model Instruction



Model Analysis

Component	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic PC
Impeller	Plastic,POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

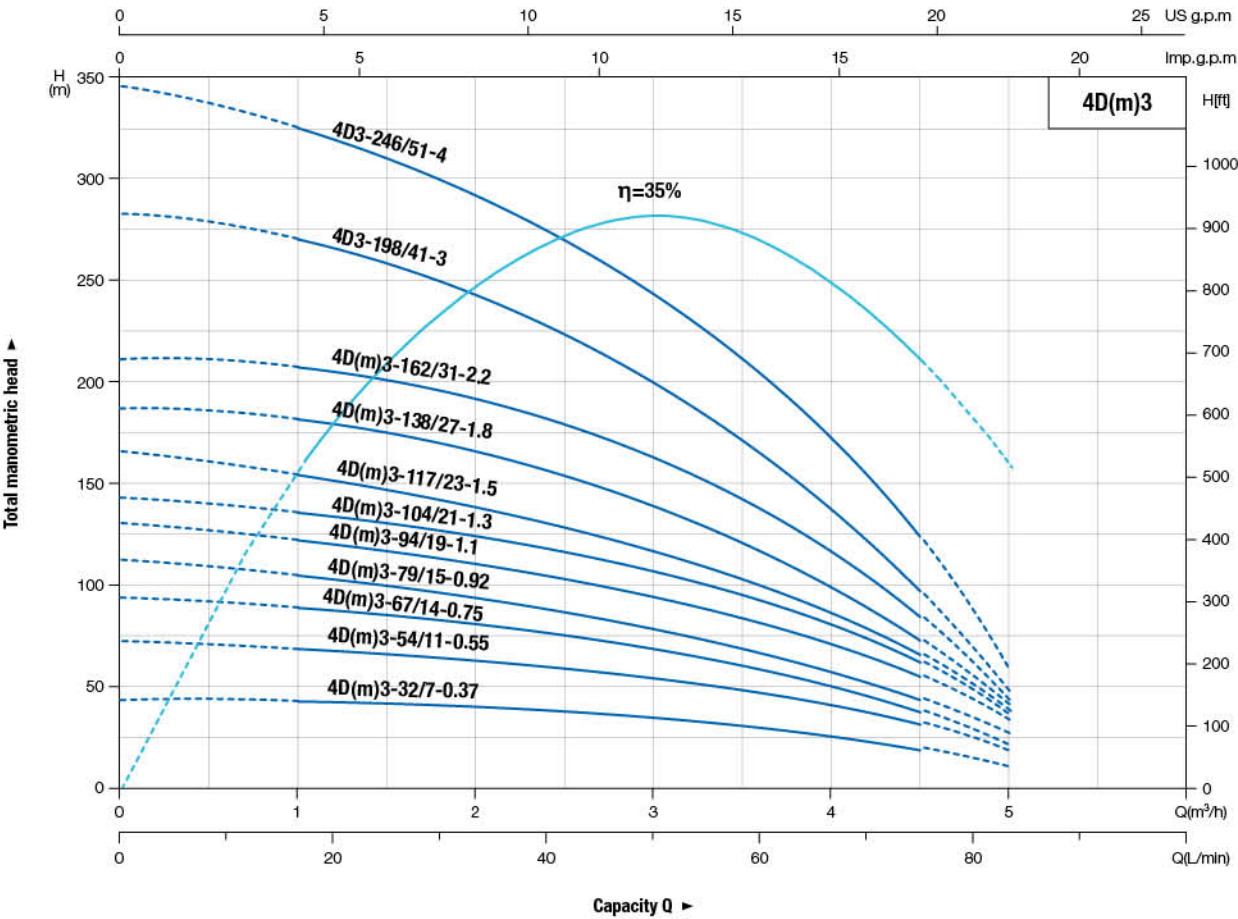
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	0.5	1	1.5	2	2.5	3	3.5
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	8.3	17	25	33	42	50	58
4Dm2-46/9-0.37	4D2-46/9-0.37	0.37	0.5	H(m)	63	61	58	53	46	40	31	20
4Dm2-72/13-0.55	4D2-72/13-0.55	0.55	0.75		93	91	88	81	72	63	49	32
4Dm2-86/16-0.75	4D2-86/16-0.75	0.75	1		112	109	105	96	86	75	58	41
4Dm2-104/19-0.92	4D2-104/19-0.92	0.92	1.25		137	133	129	117	104	90	71	46
4Dm2-119/22-1.1	4D2-119/22-1.1	1.1	1.5		157	152	147	135	119	101	84	57
4Dm2-134/25-1.3	4D2-134/25-1.3	1.3	1.75		174	171	163	150	134	113	88	66
4Dm2-159/29-1.5	4D2-159/29-1.5	1.5	2		204	199	191	177	159	137	107	79
4Dm2-182/33-1.8	4D2-182/33-1.8	1.8	2.5		232	228	220	204	182	156	127	82
4Dm2-215/38-2.2	4D2-215/38-2.2	2.2	3		269	265	256	239	215	184	146	96
-	4D2-269/48-3	3	4		339	328	317	300	269	234	194	121
-	4D2-331/59-4	4	5.5		414	405	387	360	331	275	215	148

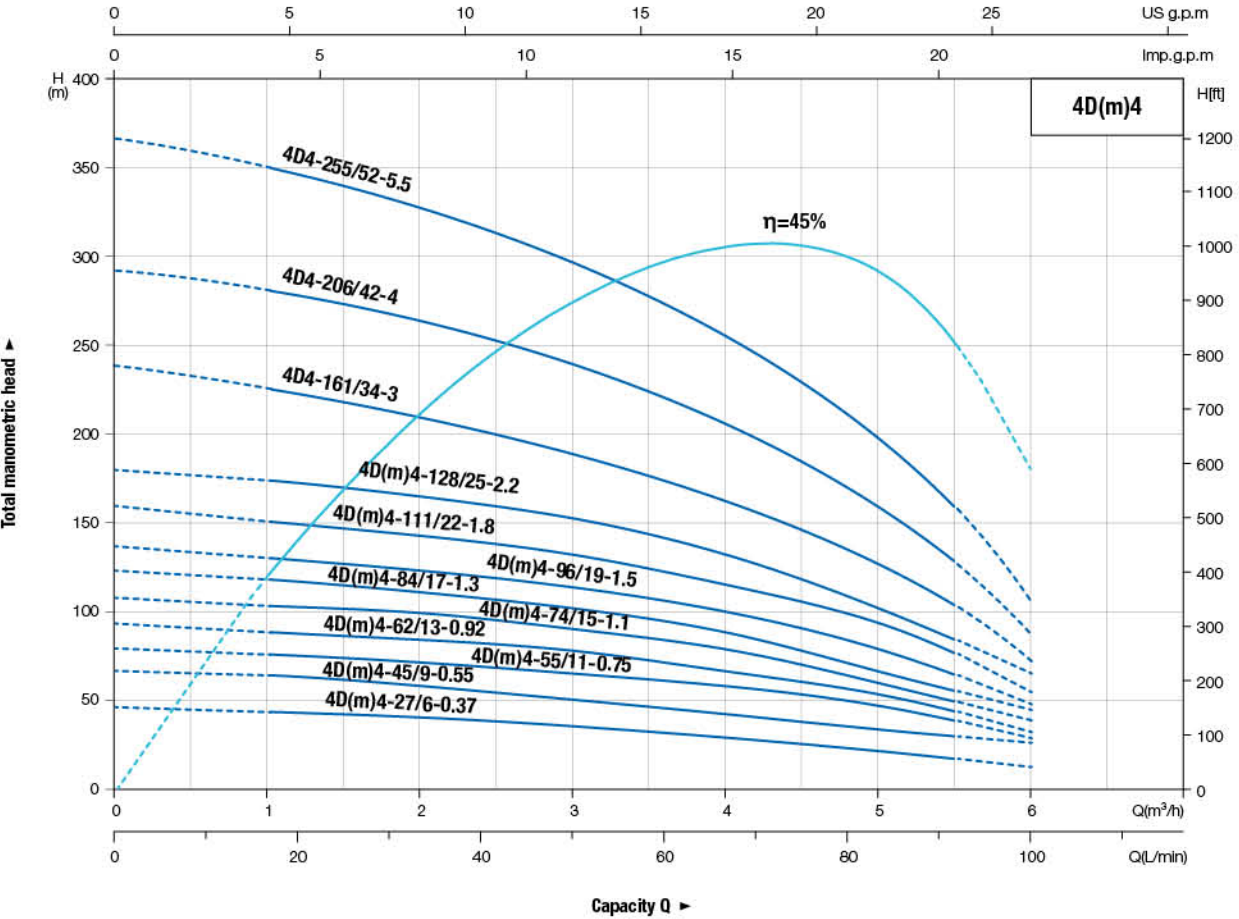
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1	2	3	4	5
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83
4Dm3-32/7-0.37	4D3-32/7-0.37	0.37	0.5	H(m)	46	44	39	32	21	9
4Dm3-54/11-0.55	4D3-54/11-0.55	0.55	0.75		74	71	65	54	39	21
4Dm3-67/14-0.75	4D3-67/14-0.75	0.75	1		94	90	82	67	48	24
4Dm3-79/15-0.92	4D3-79/15-0.92	0.92	1.25		110	104	95	79	55	26
4Dm3-94/19-1.1	4D3-94/19-1.1	1.1	1.5		130	124	112	94	66	33
4Dm3-104/21-1.3	4D3-104/21-1.3	1.3	1.75		145	138	126	104	74	38
4Dm3-117/23-1.5	4D3-117/23-1.5	1.5	2		161	153	141	117	82	43
4Dm3-138/27-1.8	4D3-138/27-1.8	1.8	2.5		188	181	166	138	98	46
4Dm3-162/31-2.2	4D3-162/31-2.2	2.2	3		211	214	194	162	114	48
-	4D3-198/41-3	3	4		280	269	246	202	140	50
-	4D3-246/51-4	4	5.5		348	333	306	246	174	60

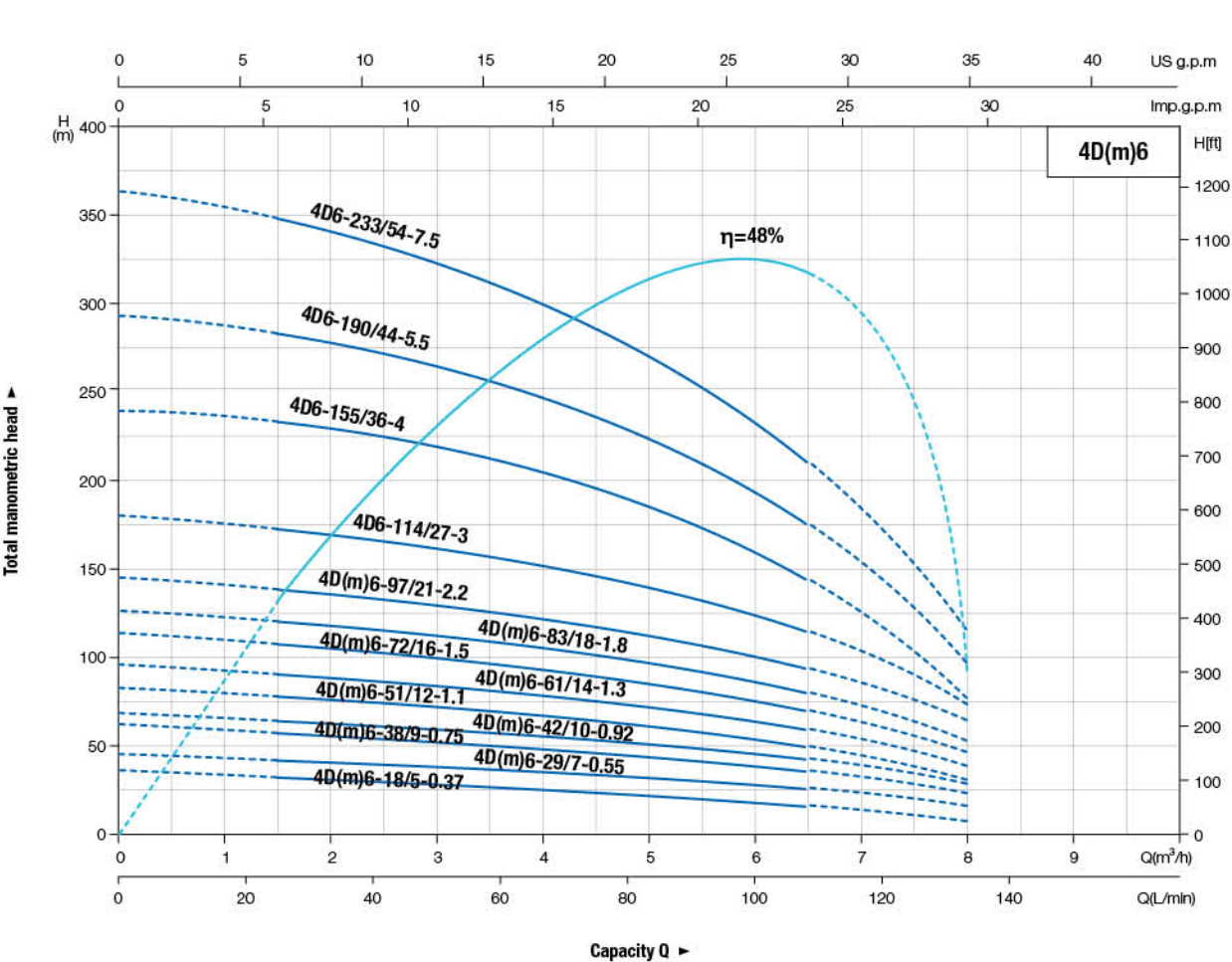
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1	2	3	4	5	6
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83	100
4Dm4-27/6-0.37	4D4-27/6-0.37	0.37	0.5	H(m)	41	39	36	33	27	19	10
4Dm4-45/9-0.55	4D4-45/9-0.55	0.55	0.75		64	60	57	53	45	34	21
4Dm4-55/11-0.75	4D4-55/11-0.75	0.75	1		78	73	70	65	55	43	27
4Dm4-62/13-0.92	4D4-62/13-0.92	0.92	1.25		90	85	81	74	62	47	28
4Dm4-74/15-1.1	4D4-74/15-1.1	1.1	1.5		105	100	95	88	74	55	35
4Dm4-84/17-1.3	4D4-84/17-1.3	1.3	1.75		121	114	108	99	84	65	40
4Dm4-96/19-1.5	4D4-96/19-1.5	1.5	2		134	128	122	112	96	75	46
4Dm4-111/22-1.8	4D4-111/22-1.8	1.8	2.5		159	148	141	130	111	88	56
4Dm4-128/25-2.2	4D4-128/25-2.2	2.2	3		179	169	163	151	128	99	63
-	4D4-161/34-3	3	4		236	222	211	193	161	125	74
-	4D4-206/42-4	4	5.5		294	279	263	242	206	157	93
-	4D4-255/52-5.5	5.5	7.5		364	286	325	299	255	194	115

Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	20	40	60	80	100	120	140
4Dm6-18/5-0.37	4D6-18/5-0.37	0.37	0.5	H(m)	33	31	29	27	23	18	12	5
4Dm6-29/7-0.55	4D6-29/7-0.55	0.55	0.75		47	45	43	40	35	29	21	11
4Dm6-38/9-0.75	4D6-38/9-0.75	0.75	1		62	58	56	53	47	38	29	18
4Dm6-42/10-0.92	4D6-42/10-0.92	0.92	1.25		68	64	63	59	52	42	32	20
4Dm6-51/12-1.1	4D6-51/12-1.1	1.1	1.5		82	78	75	70	62	51	38	22
4Dm6-61/14-1.3	4D6-61/14-1.3	1.3	1.75		96	92	88	83	74	61	45	29
4Dm6-72/16-1.5	4D6-72/16-1.5	1.5	2		111	107	103	97	85	72	55	35
4Dm6-83/18-1.8	4D6-83/18-1.8	1.8	2.5		125	120	116	109	99	83	64	41
4Dm6-97/21-2.2	4D6-97/21-2.2	2.2	3		147	141	135	129	116	97	75	50
-	4D6-114/27-3	3	4		178	171	165	155	138	114	87	54
-	4D6-155/36-4	4	5.5		240	231	222	209	187	155	119	74
-	4D6-190/44-5.5	5.5	7.5		293	282	271	255	228	190	145	90
-	4D6-233/54-7.5	7.5	10		360	346	332	313	280	233	178	111

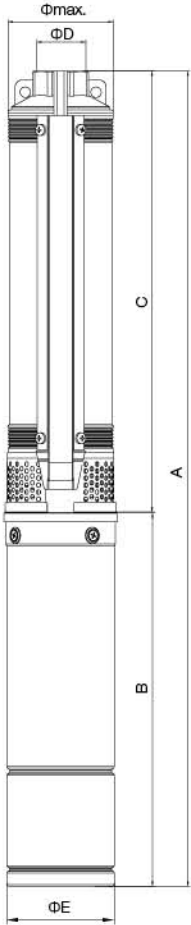
Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm2-46/9-0.37	4D2-46/9-0.37	G1¼"	Φ92	Φ98	697	697	267	267	430	9.9	8.9
4Dm2-72/13-0.55	4D2-72/13-0.55				862	852	297	287	565	12.3	11.3
4Dm2-86/16-0.75	4D2-86/16-0.75				955	935	317	297	638	13.5	12.4
4Dm2-104/19-0.92	4D2-104/19-0.92				1075	1065	327	317	748	14.7	13.6
4Dm2-119/22-1.1	4D2-119/22-1.1				1179	1149	357	327	822	16.7	15.7
4Dm2-134/25-1.3	4D2-134/25-1.3				1268	1253	372	357	896	17.8	16.8
4Dm2-159/29-1.5	4D2-159/29-1.5				1427	1402	397	372	1030	19.7	18.7
4Dm2-182/33-1.8	4D2-182/33-1.8				1555	1525	427	397	1128	21.7	20.6
4Dm2-215/38-2.2	4D2-215/38-2.2				1769	1714	482	427	1287	25.5	24.3
-	4D2-269/48-3				-	2103	-	570	1533	-	37.9
-	4D2-331/59-4				-	2454	-	650	1804	-	45.6

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm3-32/7-0.37	4D3-32/7-0.37	G1¼"	Φ92	Φ98	665	665	267	267	398	9.6	8.7
4Dm3-54/11-0.55	4D3-54/11-0.55				803	793	297	287	506	11.9	10.9
4Dm3-67/14-0.75	4D3-67/14-0.75				940	920	317	297	623	13.3	12.3
4Dm3-79/15-0.92	4D3-79/15-0.92				977	967	327	317	650	14	13.0
4Dm3-94/19-1.1	4D3-94/19-1.1				1115	1085	357	327	758	16.3	15.2
4Dm3-104/21-1.3	4D3-104/21-1.3				1220	1205	372	357	848	17.4	16.4
4Dm3-117/23-1.5	4D3-117/23-1.5				1299	1274	397	372	902	18.9	17.8
4Dm3-138/27-1.8	4D3-138/27-1.8				1437	1407	427	397	1010	20.8	19.8
4Dm3-162/31-2.2	4D3-162/31-2.2				1636	1581	482	427	1154	24.5	23.4
-	4D3-198/41-3				-	1994	-	570	1424	-	36.8
-	4D3-246/51-4				-	2379	-	650	1729	-	44.5

* S stands for single phase, T stands for three phase



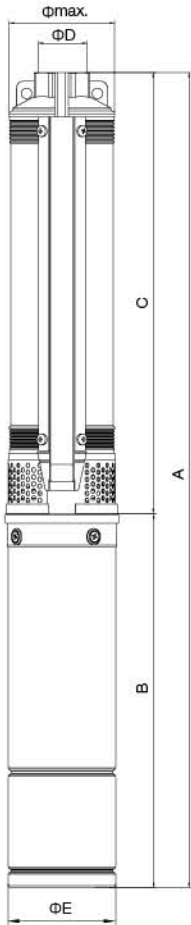
Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm4-27/6-0.37	4D4-27/6-0.37	G1¼"	Φ92	Φ98	649	649	267	267	382	9.5	8.6
4Dm4-45/9-0.55	4D4-45/9-0.55				765	755	297	287	468	11.7	10.6
4Dm4-55/11-0.75	4D4-55/11-0.75				879	859	317	297	562	13	11.9
4Dm4-62/13-0.92	4D4-62/13-0.92				946	936	327	317	619	13.8	12.8
4Dm4-74/15-1.1	4D4-74/15-1.1				1034	1004	357	327	677	15.8	14.8
4Dm4-84/17-1.3	4D4-84/17-1.3				1406	1391	372	357	1034	17.3	16.2
4Dm4-96/19-1.5	4D4-96/19-1.5				1225	1200	397	372	828	18.4	17.4
4Dm4-111/22-1.8	4D4-111/22-1.8				1341	1311	427	397	914	20.3	19.2
4Dm4-128/25-2.2	4D4-128/25-2.2				1483	1428	482	427	1001	23.7	22.6
-	4D4-161/34-3				-	1866	-	570	1296	-	35.7
-	4D4-206/42-4				-	2212	-	650	1562	-	43
-	4D4-255/52-5.5				-	2666	-	780	1886	-	55.5

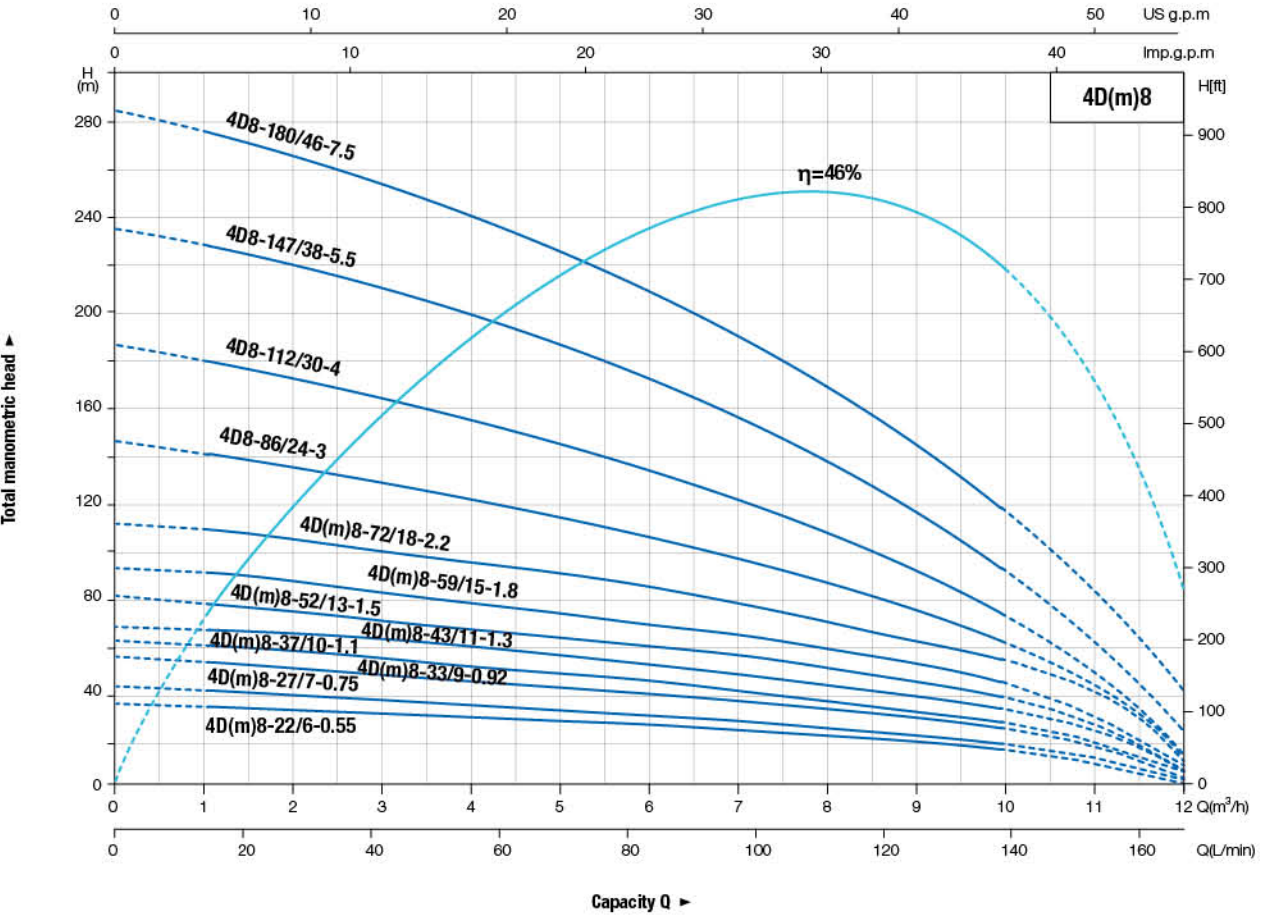
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm6-18/5-0.37	4D6-18/5-0.37	G1½"	Φ92	Φ98	647	647	267	267	380	9.5	8.6
4Dm6-29/7-0.55	4D6-29/7-0.55				745	735	297	287	448	11.6	10.5
4Dm6-38/9-0.75	4D6-38/9-0.75				834	814	317	297	517	12.8	11.8
4Dm6-42/10-0.92	4D6-42/10-0.92				914	904	327	317	587	13.6	12.6
4Dm6-51/12-1.1	4D6-51/12-1.1				1012	982	357	327	655	15.7	14.6
4Dm6-61/14-1.3	4D6-61/14-1.3				1096	1081	372	357	724	16.7	15.70
4Dm6-72/16-1.5	4D6-72/16-1.5				1189	1164	397	372	792	18.3	17.3
4Dm6-83/18-1.8	4D6-83/18-1.8				1323	1293	427	397	896	20.2	19.1
4Dm6-97/21-2.2	4D6-97/21-2.2				1481	1426	482	427	999	23.6	22.5
-	4D6-114/27-3				-	1774	-	570	1204	-	35
-	4D6-155/36-4				-	2198	-	650	1548	-	42.6
-	4D6-190/44-5.5				-	2637	-	780	1857	-	55.1
-	4D6-233/54-7.5				-	3115	-	880	2235	-	66

* S stands for single phase, T stands for three phase



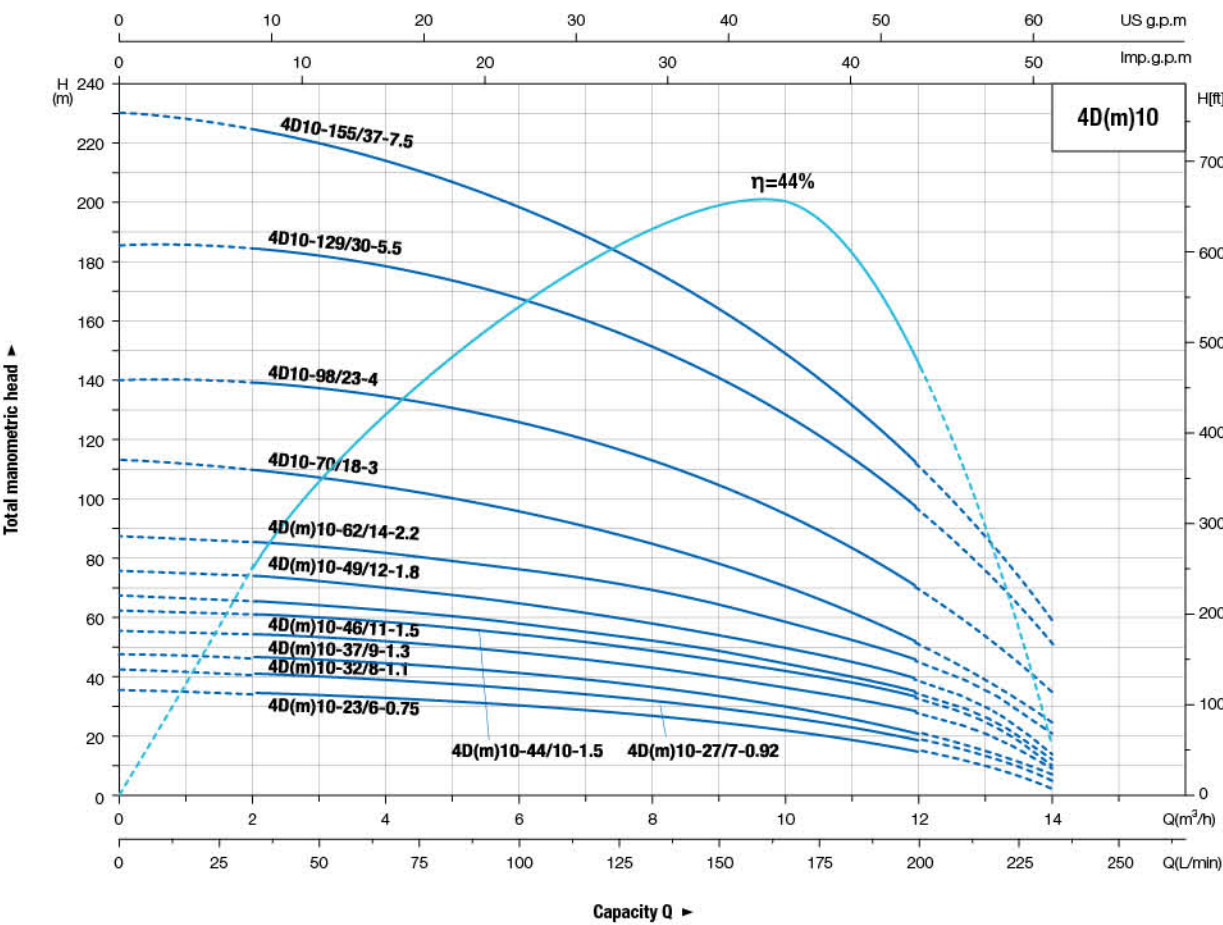
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	20	40	60	80	100	120	140	160	180	200
4Dm8-22/6-0.55	4D8-22/6-0.55	0.55	0.75	H(m)	36	35	33	30	28	27	24	21	17	11	2
4Dm8-27/7-0.75	4D8-27/7-0.75	0.75	1		44	42	40	36	34	32	29	24	20	13	5
4Dm8-33/9-0.92	4D8-33/9-0.92	0.92	1.25		56	55	50	45	43	41	37	31	25	17	6
4Dm8-37/10-1.1	4D8-37/10-1.1	1.1	1.5		62	60	56	51	48	46	41	35	30	20	8
4Dm8-43/11-1.3	4D8-43/11-1.3	1.3	1.75		69	67	62	57	54	51	47	41	33	24	8
4Dm8-52/13-1.5	4D8-52/13-1.5	1.5	2		82	79	74	67	64	61	57	48	38	29	9
4Dm8-59/15-1.8	4D8-59/15-1.8	1.8	2.5		94	92	85	78	74	70	65	54	45	31	10
4Dm8-72/18-2.2	4D8-72/18-2.2	2.2	3		113	110	102	94	90	86	78	68	55	40	12
-	4D8-86/24-3	3	4		146	138	130	120	113	106	94	82	62	35	12
-	4D8-112/30-4	4	5.5		185	177	163	152	144	135	124	106	84	48	18
-	4D8-147/38-5.5	5.5	7.5		236	231	215	198	187	175	160	140	111	73	31
-	4D8-180/46-7.5	7.5	10		283	272	257	236	225	214	196	171	136	88	41

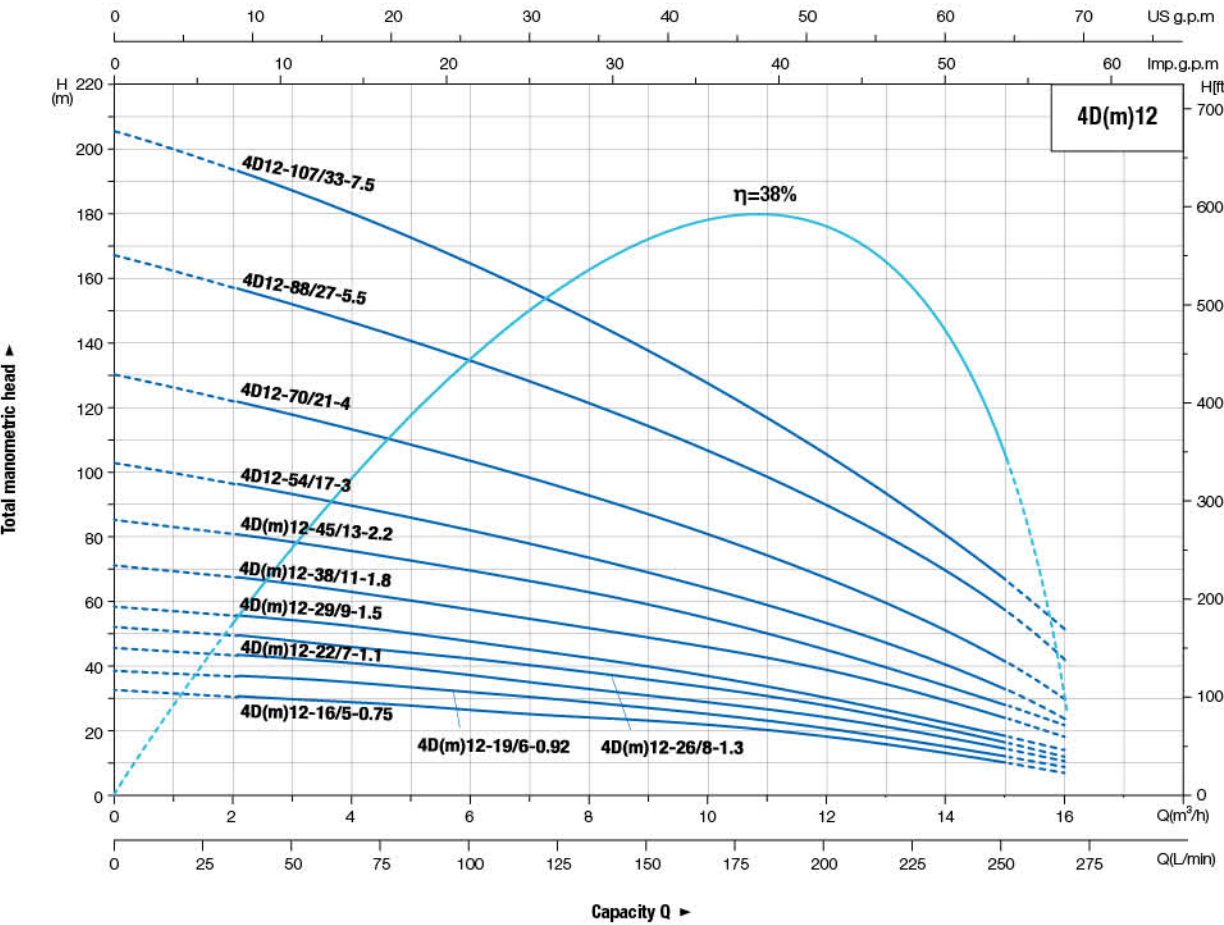
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1.8	3.6	5.4	7.2	9	10	12.6	13.8	15
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	30	60	90	120	150	167	210	230	250
4Dm10-23/6-0.75	4D10-23/6-0.75	0.75	1	H(m)	36	35	34	32	30	26	23	13	3	2
4Dm10-27/7-0.92	4D10-27/7-0.92	0.92	1.25		42	41	39	37	35	30	27	15	6	2
4Dm10-32/8-1.1	4D10-32/8-1.1	1.1	1.5		49	48	45	43	40	35	32	18	8	2
4Dm10-37/9-1.3	4D10-37/9-1.3	1.3	1.75		55	54	51	49	47	42	37	22	12	2
4Dm10-44/10-1.5	4D10-44/10-1.5	1.5	2		63	62	58	55	53	49	44	26	18	2
4Dm10-46/11-1.5	4D10-46/11-1.5	1.5	2		68	67	64	60	58	51	46	28	20	2
4Dm10-49/12-1.8	4D10-49/12-1.8	1.8	2.5		75	74	70	66	62	55	49	30	28	2
4Dm10-62/14-2.2	4D10-62/14-2.2	2.2	3		87	86	82	78	76	67	62	40	17	2
-	4D10-70/18-3	3	4		112	109	101	95	90	79	70	39	24	5
-	4D10-98/23-4	4	5.5		140	139	131	124	119	107	98	62	36	13
-	4D10-129/30-5.5	5.5	7.5		184	182	174	163	156	141	129	82	45	21
-	4D10-155/37-7.5	7.5	10		229	224	211	201	191	167	155	93	52	25

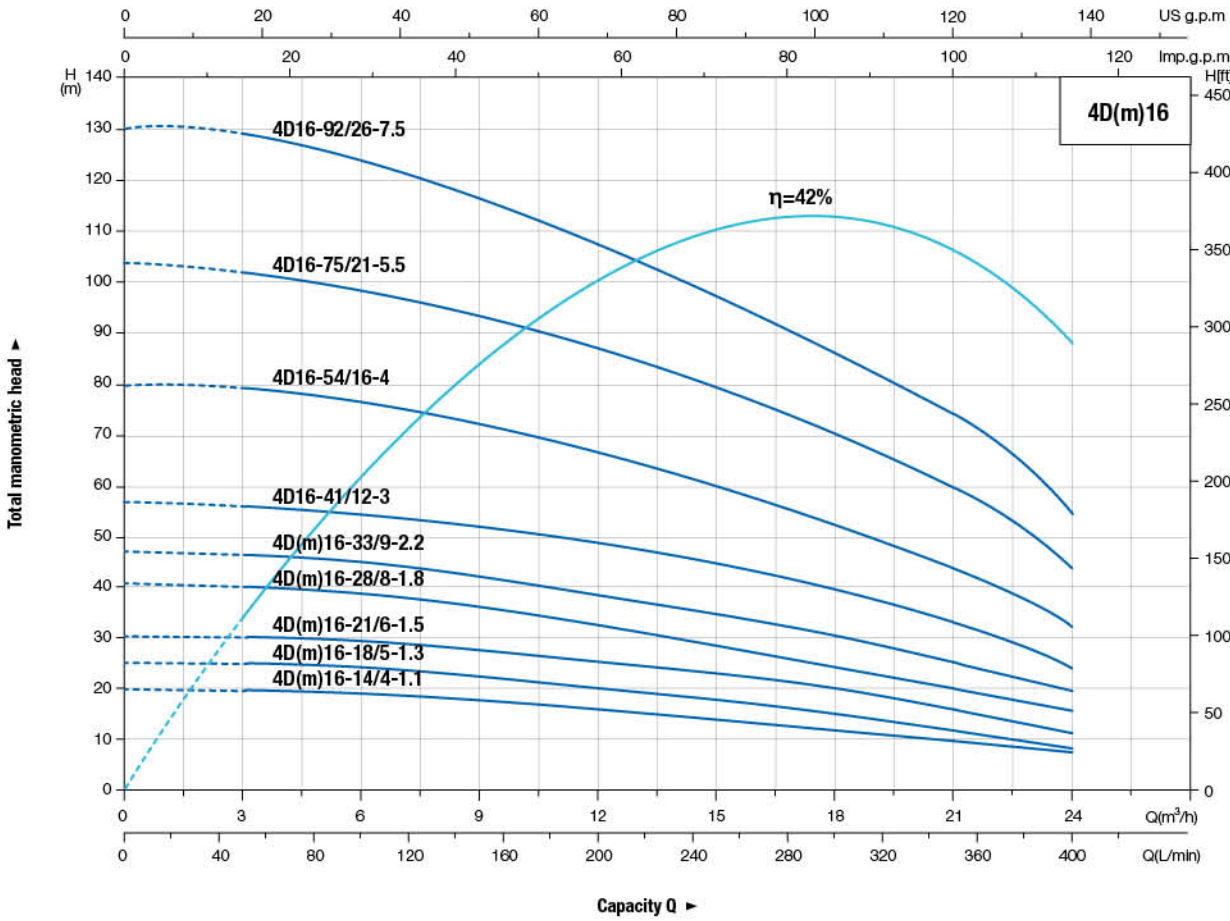
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12	14.4	16
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	30	60	90	120	150	180	200	240	270
4Dm12-16/5-0.75	4D12-16/5-0.75	0.75	1	H(m)	32	30	28	26	23	21	18	16	11	8
4Dm12-19/6-0.92	4D12-19/6-0.92	0.92	1.25		37	36	33	31	28	25	21	19	13	9
4Dm12-22/7-1.1	4D12-22/7-1.1	1.1	1.5		44	42	39	37	33	29	25	22	16	10
4Dm12-26/8-1.3	4D12-26/8-1.3	1.3	1.75		51	49	46	42	39	34	30	26	19	11
4Dm12-29/9-1.5	4D12-29/9-1.5	1.5	2		58	56	52	49	44	38	32	29	21	13
4Dm12-38/11-1.8	4D12-38/11-1.8	1.8	2.5		70	68	64	59	54	48	41	38	27	17
4Dm12-45/13-2.2	4D12-45/13-2.2	2.2	3		83	80	75	70	64	57	50	45	33	21
-	4D12-54/17-3	3	4		103	98	92	86	78	69	60	54	36	22
-	4D12-70/21-4	4	5.5		130	126	116	108	98	88	77	70	50	35
-	4D12-88/27-5.5	5.5	7.5		168	161	150	139	127	113	98	88	64	41
-	4D12-107/33-7.5	7.5	10	205	195	184	172	156	137	121	107	78	51	

Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	3	6	9	12	15	16	18	21	24
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	50	100	150	200	250	260	300	350	400
4Dm16-14/4-1.1	4D16-14/4-1.1	1.1	1.5	H(m)	21	21	20	18	17	15	14	13	11	8
4Dm16-18/5-1.3	4D16-18/5-1.3	1.3	1.75		26	26	25	23	21	19	18	16	13	10
4Dm16-21/6-1.5	4D16-21/6-1.5	1.5	2		31	31	30	28	25	23	21	20	17	13
4Dm16-28/8-1.8	4D16-28/8-1.8	1.8	2.5		41	41	39	36	33	29	28	25	21	16
4Dm16-33/9-2.2	4D16-33/9-2.2	2.2	3		47	47	45	42	38	34	33	31	26	21
-	4D16-41/12-3	3	4		58	58	56	52	47	42	41	37	32	24
-	4D16-54/16-4	4	5.5		80	80	75	70	63	57	54	50	42	32
-	4D16-75/21-5.5	5.5	7.5		104	104	100	94	84	77	75	69	60	43
-	4D16-92/26-7.5	7.5	10		130	130	124	115	104	94	92	85	73	56

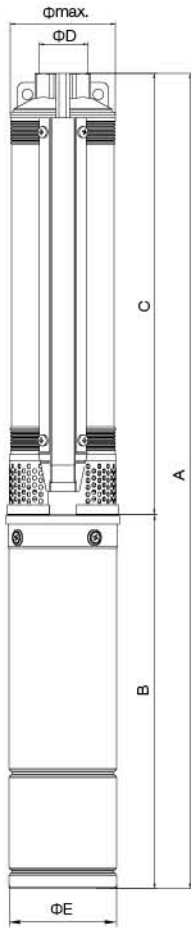
Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm8-22/6-0.55	4D8-22/6-0.55	G1½"	Φ92	Φ98	735	725	297	287	438	11.4	10.40
4Dm8-27/7-0.75	4D8-27/7-0.75				793	773	317	297	476	12.4	11.30
4Dm8-33/9-0.92	4D8-33/9-0.92				880	870	327	317	553	13.3	12.30
4Dm8-37/10-1.1	4D8-37/10-1.1				984	954	357	327	627	15.3	14.30
4Dm8-43/11-1.3	4D8-43/11-1.3				1037	1022	372	357	665	16.2	15.10
4Dm8-52/13-1.5	4D8-52/13-1.5				1138	1113	397	372	741	17.7	16.70
4Dm8-59/15-1.8	4D8-59/15-1.8				1245	1215	427	397	818	19.5	18.50
4Dm8-72/18-2.2	4D8-72/18-2.2				1450	1395	482	427	968	23.2	22.10
-	4D8-86/24-3				-	1767	-	570	1197	-	34.6
-	4D8-112/30-4				-	2113	-	650	1463	-	41.5
-	4D8-147/38-5.5	G2"	Φ92	Φ98	-	2584	-	780	1804	-	53.9
-	4D8-180/46-7.5				-	3026	-	880	2146	-	63.9

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm10-23/6-0.75	4D10-23/6-0.75	G2"	Φ92	Φ98	765	745	317	297	448	12.1	11.10
4Dm10-27/7-0.92	4D10-27/7-0.92				815	805	327	317	488	12.9	11.80
4Dm10-32/8-1.1	4D10-32/8-1.1				885	855	357	327	528	14.7	13.60
4Dm10-37/9-1.3	4D10-37/9-1.3				940	925	372	357	568	15.6	14.60
4Dm10-44/10-1.5	4D10-44/10-1.5				1041	1016	397	372	644	17	15.90
4Dm10-46/11-1.5	4D10-46/11-1.5				1081	1037	397	372	684	17.3	16.20
4Dm10-49/12-1.8	4D10-49/12-1.8				1151	1121	427	397	724	18.8	17.80
4Dm10-62/14-2.2	4D10-62/14-2.2					1231	482	427	804	22.1	20.90
-	4D10-70/18-3				-	1530	-	570	960	-	32.6
-	4D10-98/23-4				-	1845	-	650	1195	-	39.3
-	4D10-129/30-5.5	-	2291	-	780	1511	-	51.3			
-	4D10-155/37-7.5	-	2706	-	880	1826	-	61.1			

* S stands for single phase, T stands for three phase



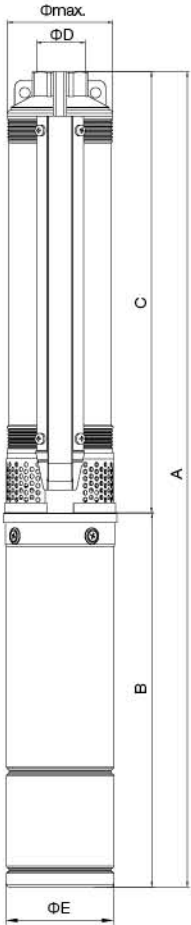
Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm12-16/5-0.75	4D12-16/5-0.75	G2"	Φ92	Φ98	769	749	317	297	452	12.4	11.4
4Dm12-19/6-0.92	4D12-19/6-0.92				825	815	327	317	498	13.2	12.2
4Dm12-22/7-1.1	4D12-22/7-1.1				901	871	357	327	544	15.2	14.1
4Dm12-26/8-1.3	4D12-26/8-1.3				961	946	372	357	589	16.1	15
4Dm12-29/9-1.5	4D12-29/9-1.5				1032	1007	397	372	635	17.5	16.4
4Dm12-38/11-1.8	4D12-38/11-1.8				1205	1175	427	397	778	19.7	18.7
4Dm12-45/13-2.2	4D12-45/13-2.2				1351	1296	482	427	869	23.1	22
-	4D12-54/17-3				-	932	-	570	1103	-	34.6
-	4D12-70/21-4				-	1159	-	650	1338	-	41.4
-	4D12-88/27-5.5				-	1463	-	780	1663	-	53.8
-	4D12-107/33-7.5				-	1766	-	880	1988	-	63.9

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
4Dm16-14/4-1.1	4D16-14/4-1.1	G2"	Φ92	Φ98	841	811	357	327	484	13.9	12.9
4Dm16-18/5-1.3	4D16-18/5-1.3				925	910	372	357	553	15	13.9
4Dm16-21/6-1.5	4D16-21/6-1.5				1018	993	397	372	621	16.5	15.5
4Dm16-28/8-1.8	4D16-28/8-1.8				1221	1191	427	397	794	18.9	17.9
4Dm16-33/9-2.2	4D16-33/9-2.2				1345	1290	482	427	863	22.1	21
-	4D16-41/12-3				-	1639	-	570	1069	-	33.9
-	4D16-54/16-4				-	2030	-	650	1380	-	41.2
-	4D16-75/21-5.5				-	2539	-	780	1759	-	53.9
-	4D16-92/26-7.5				-	3019	-	880	2139	-	64.3

* S stands for single phase, T stands for three phase



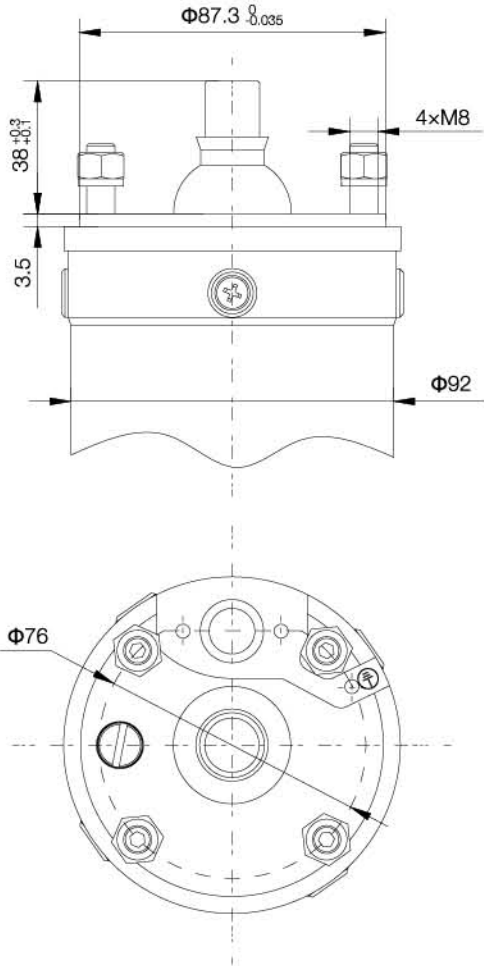
4Dm Series oil-filled type asynchronous submersible motor

Motor

Single phase power: 0.37 to 2.2 kW
Speed: 2850 rpm
Voltage:220-240V/50Hz
Highest temperature of liquid: 40°C
Maximum sand content: 0.25%

Model Instruction

4 D m - 0.37



Technical Table n=2850 r/min

Model	Power		Capacitor	Current	Eefficiency	Height	Weight
Single phase (220-240V/50Hz)	kW	HP	μF	A	η%	mm	kg
4Dm-0.37	0.37	0.5	25	3.8	61	304	6.1
4Dm-0.55	0.55	0.75	35	5.5	67	334	7.6
4Dm-0.75	0.75	1	40	6.5	69	354	8.3
4Dm-0.92	0.92	1.25	40	7.5	68	364	8.8
4Dm-1.1	1.1	1.5	45	8.5	69	394	10.4
4Dm-1.3	1.3	1.75	50	10	71	409	11
4Dm-1.5	1.5	2	65	11	69	434	12.1
4Dm-1.8	1.8	2.5	70	13	74	464	13.4
4Dm-2.2	2.2	3	80	16	71	519	16.1

4S0m

Deep Well Pump

One Year Warranty



Application

Transferring water from deep well and reservoirs
Domestic water supply and irrigation
Garden and agriculture irrigation

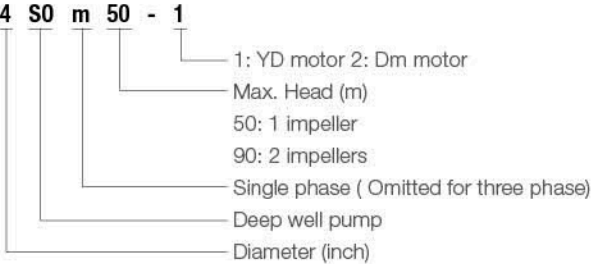
Operating Limits

Maximum fluid temperature up to +40°C
Maximum sand content: 0.15%
Maximum immersion: 50m (Normal type)

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Optional equipped with control box
Protection class: IP68
Insulation class: B

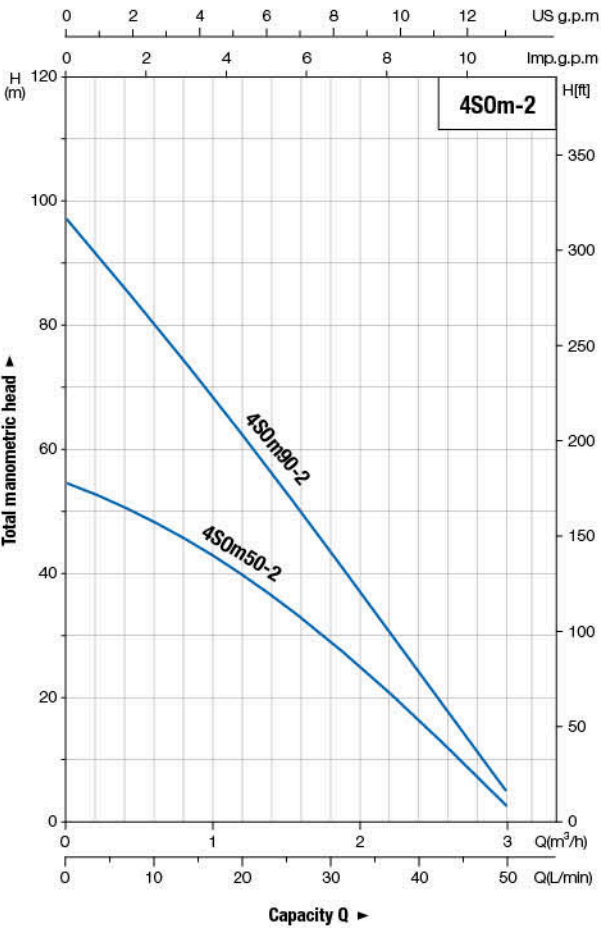
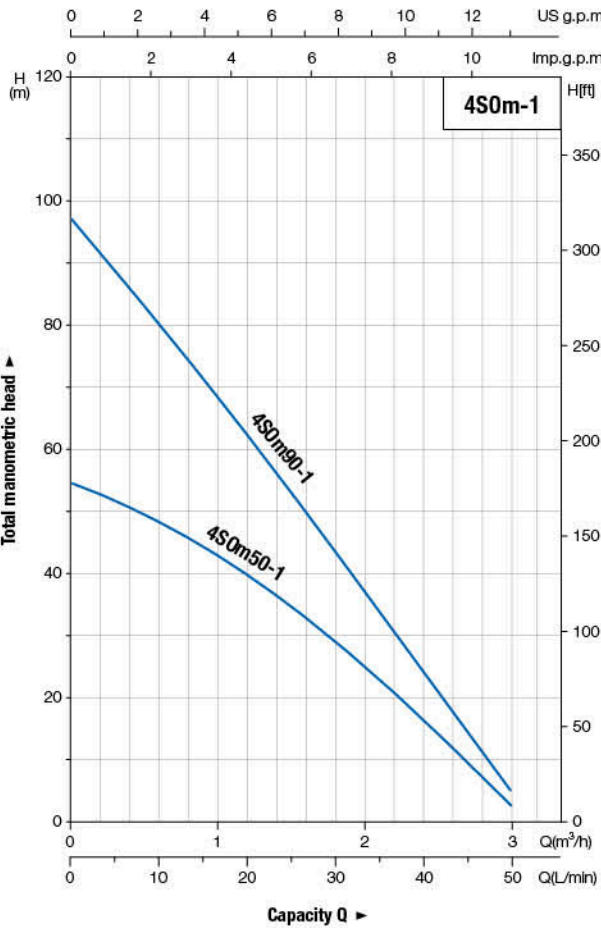
Model Instruction



Model Analysis

Component	Material	Component	Material
Pump Intlet	Cast-Cu	Bottom cover	AISI 304 SS
Pump Outlet	Cast-Cu	Support	AISI 201 SS
Impeller	Cast-Cu	Bottom bearing seat	HT200
Cover plate	Cast-Cu	Strainer	AISI 201 SS
Middle cover	Cast-Cu	Bearing	C&U
Oil chamber	Cast-Cu	Seal lubricant oil	10# food-grade lubricant oil
Shaft	AISI 304 SS		

Performance Curves

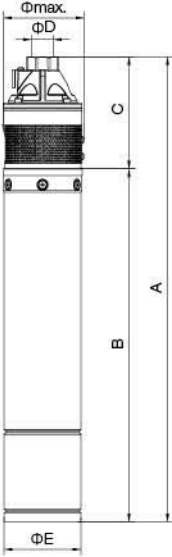


Technical Table n=2850 r/min

Model	Power		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
Single phase (220-240V/50Hz)	kW	HP	Q(l/min)	0	5	10	15	20	25	30	35	40	45	50
4S0m50-1	0.75	1	H(m)	56	53	48	44	38	33	30	21	17	9	4
4S0m50-2	0.75	1		56	53	48	44	38	33	30	21	17	9	4
4S0m90-1	1.1	1.5		98	89	77	70	59	47	38	26	20	11	5
4S0m90-2	1.1	1.5		98	89	77	70	59	47	38	26	20	11	5

Installation Method and Size

Model	Outlet	Dimensions (mm)					G.W.	Packaging Size
1~ 220~240V	DN	ΦE	ΦMax.	A	B	C	kg	mm
4S0m50-1	G1"	Φ92	Φ101	513	393	120	14	650x110x110
4S0m50-2				434	314	120	14	550x110x110
4S0m90-1				571	433	138	16	700x110x110
4S0m90-2				492	354	138	16	600x110x110



QJ(D)-YD

Stainless Steel Deep Well Pump



Application

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating Limits

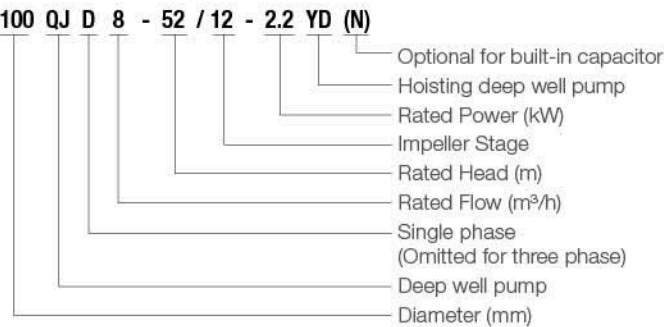
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 100m
Minimum well diameter: 3.5", 4"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Optional equipped with control box
Protection class: IP68
Insulation class: F

One Year Warranty

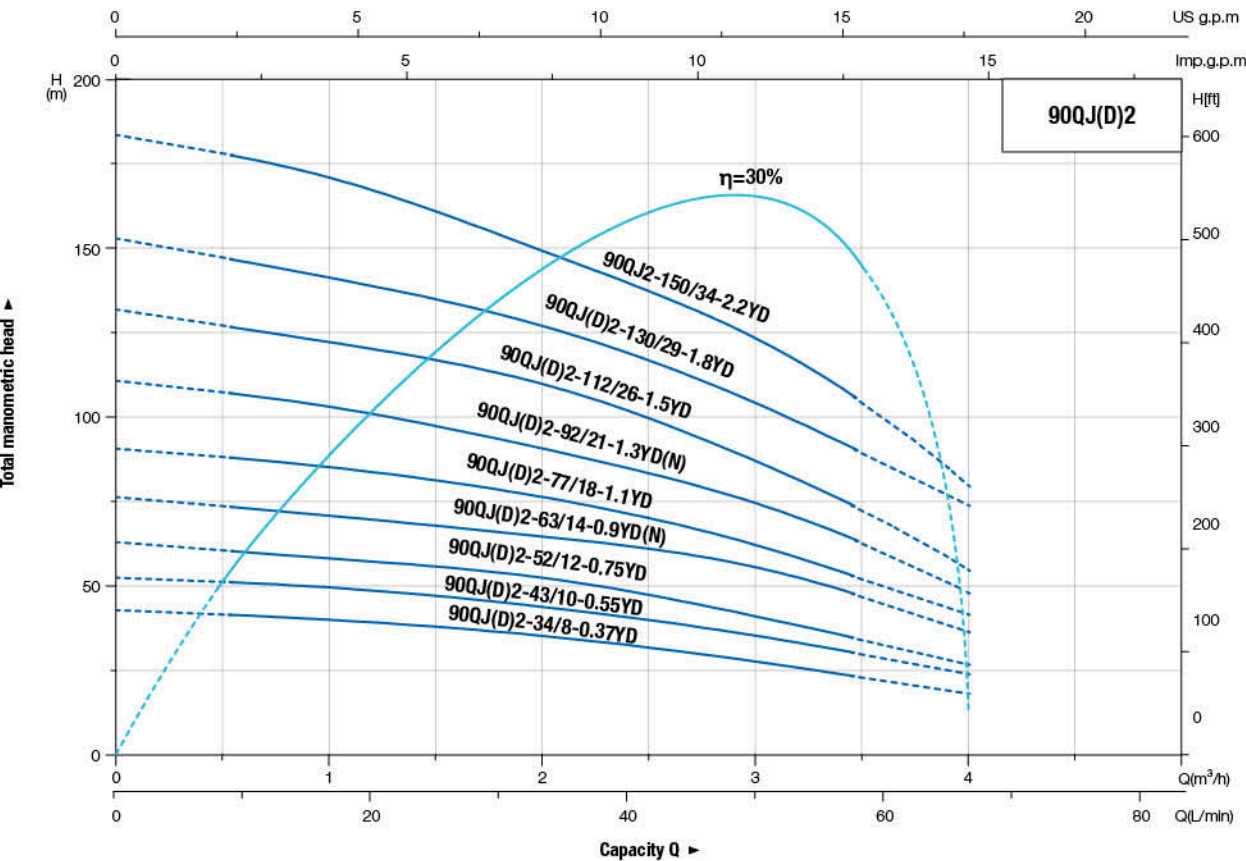
Model Instruction



Model Analysis

Component	Material
Pump external casing	① AISI 304 SS ② AISI 201 SS
Pump outlet	① HT200 ② AISI201SS ③ AISI304SS
Pump inlet	① QT450 ② AISI201SS ③ AISI304SS
Diffuser	Plastic PC
Diffuser cover	Plastic PC
Impeller	Plastic ASS
Shaft	① AISI 304 SS ② AISI 201 SS
Shaft coupling	① AISI 304 SS ② 2Cr13
Motor external casing	① AISI 304 SS ② AISI 201 SS
Upper bearing seat	① HT200 ② AISI201SS ③ AISI304SS ④ Brass
Bottom bearing seat	HT200
Mechanical seal	Ceramics-graphite
Bottom cover	AISI 304 SS
Shaft	① AISI 304 SS ② 2Cr13
Bearing	① NSK ② C&U
Seal lubricant oil	10# food-grade lubricant oil

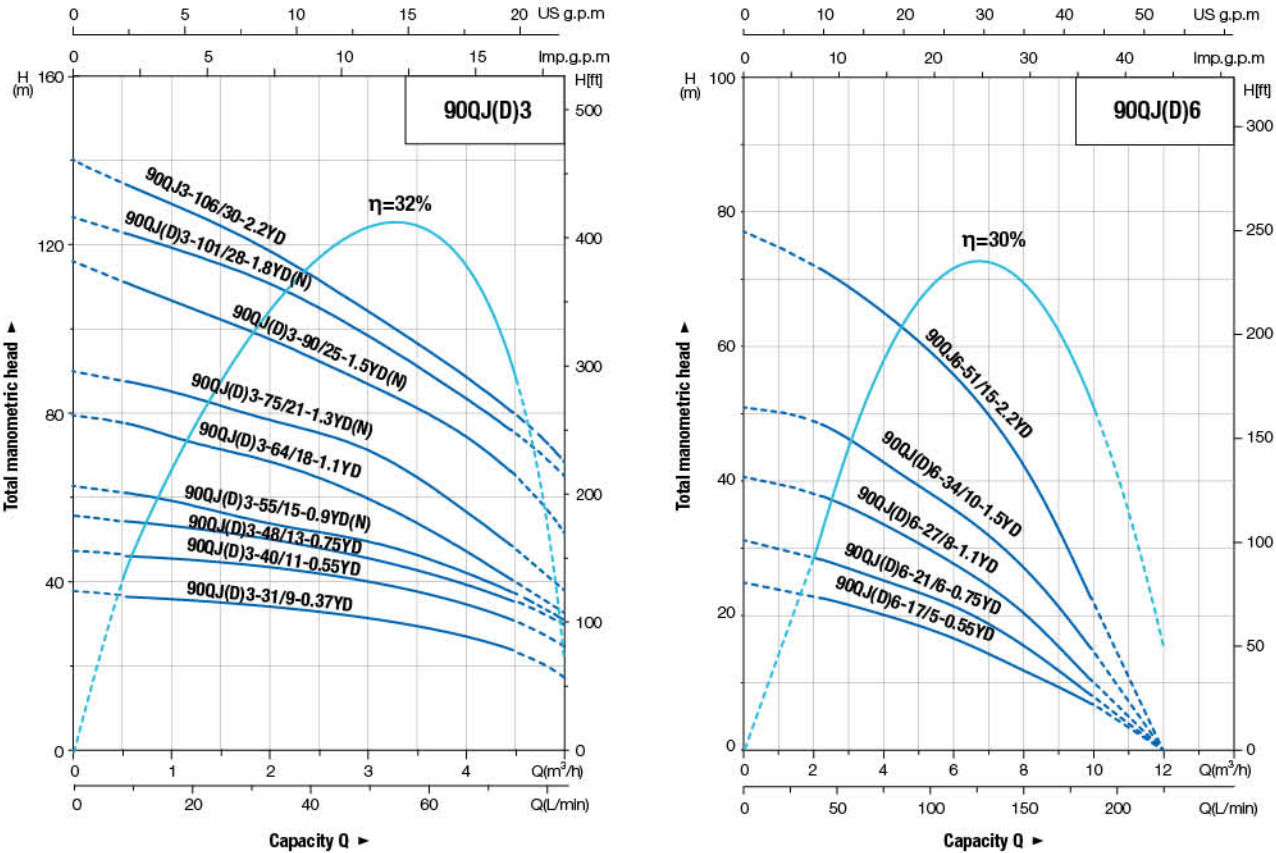
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1	2	3	4
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67
90QJD2-34/8-0.37YD	90QJ2-34/8-0.37YD	0.37	0.5	H(m)	42	39	34	26	16
90QJD2-43/10-0.55YD	90QJ2-43/10-0.55YD	0.55	0.75		52	49	43	34	22
90QJD2-52/12-0.75YD	90QJ2-52/12-0.75YD	0.75	1		63	58	52	40	25
90QJD2-63/14-0.9YD(N)	90QJ2-63/14-0.9YD	0.9	1.25		77	70	63	56	35
90QJD2-77/18-1.1YD	90QJ2-77/18-1.1YD	1.1	1.5		92	86	77	60	42
90QJD2-92/21-1.3YD(N)	90QJ2-92/21-1.3YD	1.3	1.75		113	105	92	75	47
90QJD2-112/26-1.5YD	90QJ2-112/26-1.5YD	1.5	2		135	125	112	88	54
90QJD2-130/29-1.8YD	90QJ2-130/29-1.8YD	1.8	2.5		157	145	130	106	74
-	90QJ2-150/34-2.2YD	2.2	3		189	176	150	126	80

Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1	2	3	4	5	
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83	
90QJD3-31/9-0.37YD	90QJ3-31/9-0.37YD	0.37	0.5	H(m)	37	34	32	31	25	19	
90QJD3-40/11-0.55YD	90QJ3-40/11-0.55YD	0.55	0.75		46	42	41	40	30	24	
90QJD3-48/13-0.75YD	90QJ3-48/13-0.75YD	0.75	1		55	51	49	48	35	31	
90QJD3-55/15-0.9YD(N)	90QJ3-55/15-0.9YD	0.9	1.25		67	62	58	55	44	39	
90QJD3-64/18-1.1YD	90QJ3-64/18-1.1YD	1.1	1.5		83	76	72	64	52	38	
90QJD3-75/21-1.3YD(N)	90QJ3-75/21-1.3YD	1.3	1.75		93	87	80	75	61	43	
90QJD3-90/25-1.5YD(N)	90QJ3-90/25-1.5YD	1.5	2		118	109	98	90	78	56	
90QJD3-101/28-1.8YD(N)	90QJ3-101/28-1.8YD	1.8	2.5		128	121	111	101	85	69	
-	90QJ3-106/30-2.2YD	2.2	3		141	130	120	106	89	72	
Model		Power		Q(m³/h)	0	2	4	6	8	10	12
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	33	67	100	133	167	200
90QJD6-17/5-0.55YD	90QJ6-17/5-0.55YD	0.55	0.75	H(m)	26	24	22	17	13	7	2.5
90QJD6-21/6-0.75YD	90QJ6-21/6-0.75YD	0.75	1		32	30	27	21	18	7	2.5
90QJD6-27/8-1.1YD	90QJ6-27/8-1.1YD	1.1	1.5		42	39	35	27	23	13	2.5
90QJD6-34/10-1.5YD	90QJ6-34/10-1.5YD	1.5	2		52	50	43	34	28	16	2.5
-	90QJ6-51/15-2.2YD	2.2	3		77	72	66	51	45	20	2.5

Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
90QJD2-34/8-0.37YD	90QJ2-34/8-0.37YD	G1 ¹ / ₄ " NPT1 ¹ / ₄ "	Φ85	Φ94	770	770	352	352	418	12.2	12.2
90QJD2-43/10-0.55YD	90QJ2-43/10-0.55YD				832	832	362	362	470	13	13
90QJD2-52/12-0.75YD	90QJ2-52/12-0.75YD				898	898	377	377	521	13.7	13.7
90QJD2-63/14-0.9YD(N)	90QJ2-63/14-0.9YD				1056	996	452	392	604	14.7	14.3
90QJD2-77/18-1.1YD	90QJ2-77/18-1.1YD				1120	1120	412	412	708	16.1	16.1
90QJD2-92/21-1.3YD(N)	90QJ2-92/21-1.3YD				1314	1254	497	437	817	19.7	17.9
90QJD2-112/26-1.5YD	90QJ2-112/26-1.5YD				1307	1407	362	462	945	19.5	20.1
90QJD2-130/29-1.8YD	90QJ2-130/29-1.8YD				1570	1510	547	487	1023	23	21.3
-	90QJ2-150/34-2.2YD				-	1670	-	487	1183	-	21.7

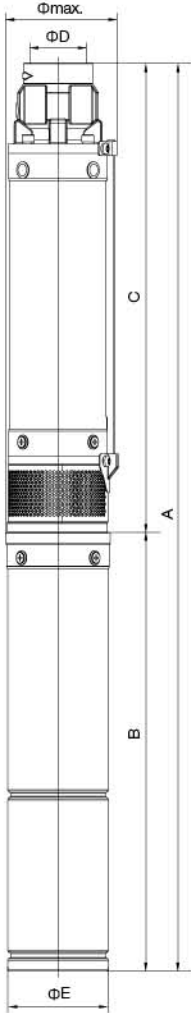
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
90QJD3-31/9-0.37YD	90QJ3-31/9-0.37YD	G1 1/4" NPT1 1/4"	Φ85	Φ94	922	922	352	352	570	11.2	11.2
90QJD3-40/11-0.55YD	90QJ3-40/11-0.55YD				1012	1012	362	362	650	12.5	12.5
90QJD3-48/13-0.75YD	90QJ3-48/13-0.75YD				1107	1107	377	377	730	13.7	13.7
90QJD3-55/15-0.9YD(N)	90QJ3-55/15-0.9YD				1292	1232	452	392	840	16	15.7
90QJD3-64/18-1.1YD	90QJ3-64/18-1.1YD				1372	1372	412	412	960	17.4	17.4
90QJD3-75/21-1.3YD(N)	90QJ3-72/21-1.3YD				1607	1547	497	437	1110	21.2	19.4
90QJD3-80/25-1.5YD(N)	90QJ3-80/25-1.5YD				1792	1732	522	462	1270	23.4	21.2
90QJD3-101/28-1.8YD(N)	90QJ3-101/28-1.8YD				1936	1876	547	487	1389	24.7	22.7
-	90QJ3-106/30-2.2YD							-	1956	-	487

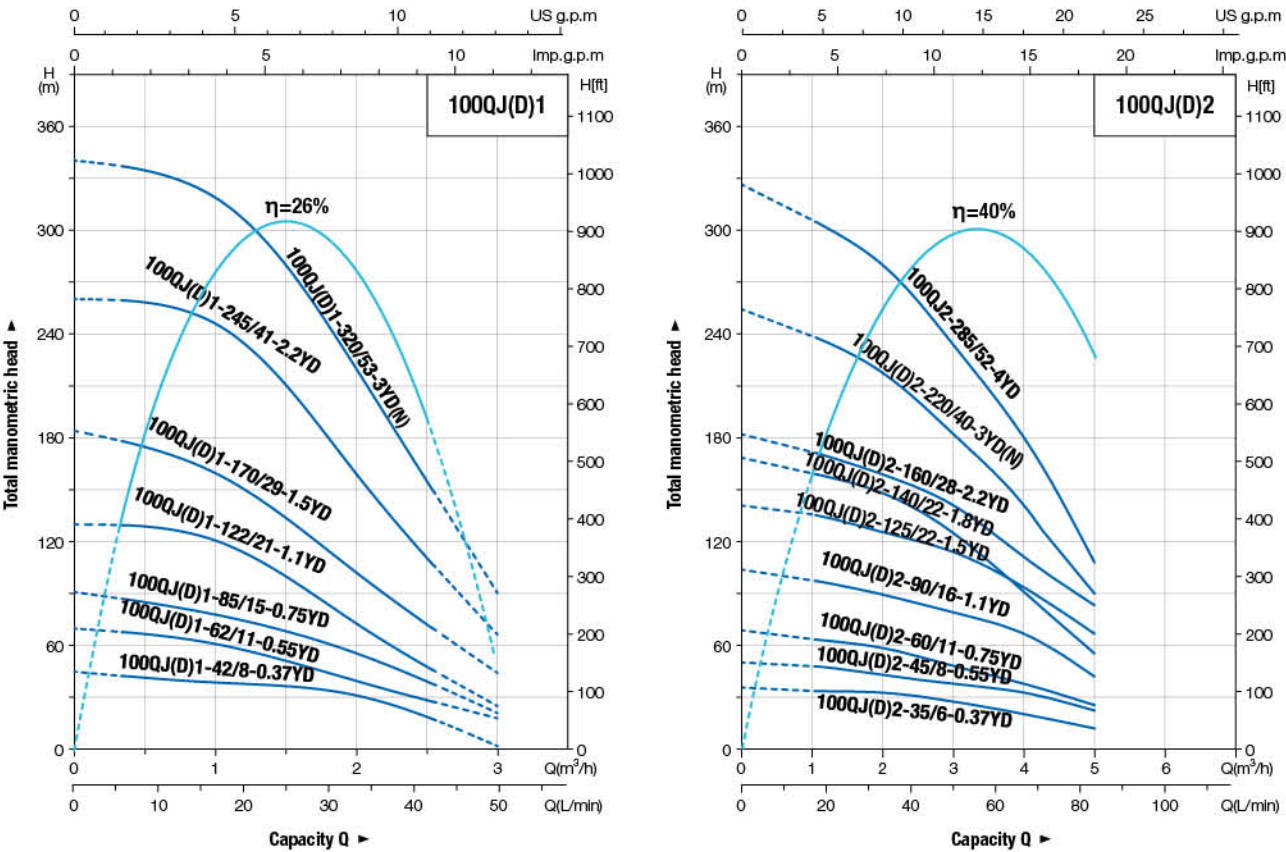
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
90QJD6-17/5-0.55YD	90QJ6-17/5-0.55YD	G2"	Φ85	Φ94	802	802	362	362	440	12.8	12.8
90QJD6-21/6-0.75YD	90QJ6-21/6-0.75YD				859	859	377	377	482	13.5	13.5
90QJD6-27/8-1.1YD	90QJ6-27/8-1.1YD				980	980	412	412	568	15.5	15.5
90QJD6-34/10-1.5YD	90QJ6-34/10-1.5YD				1147	1147	462	462	685	17.9	17.9
-	90QJ6-51/15-2.2YD				-	1386	-	487	899	-	20

* S stands for single phase, T stands for three phase



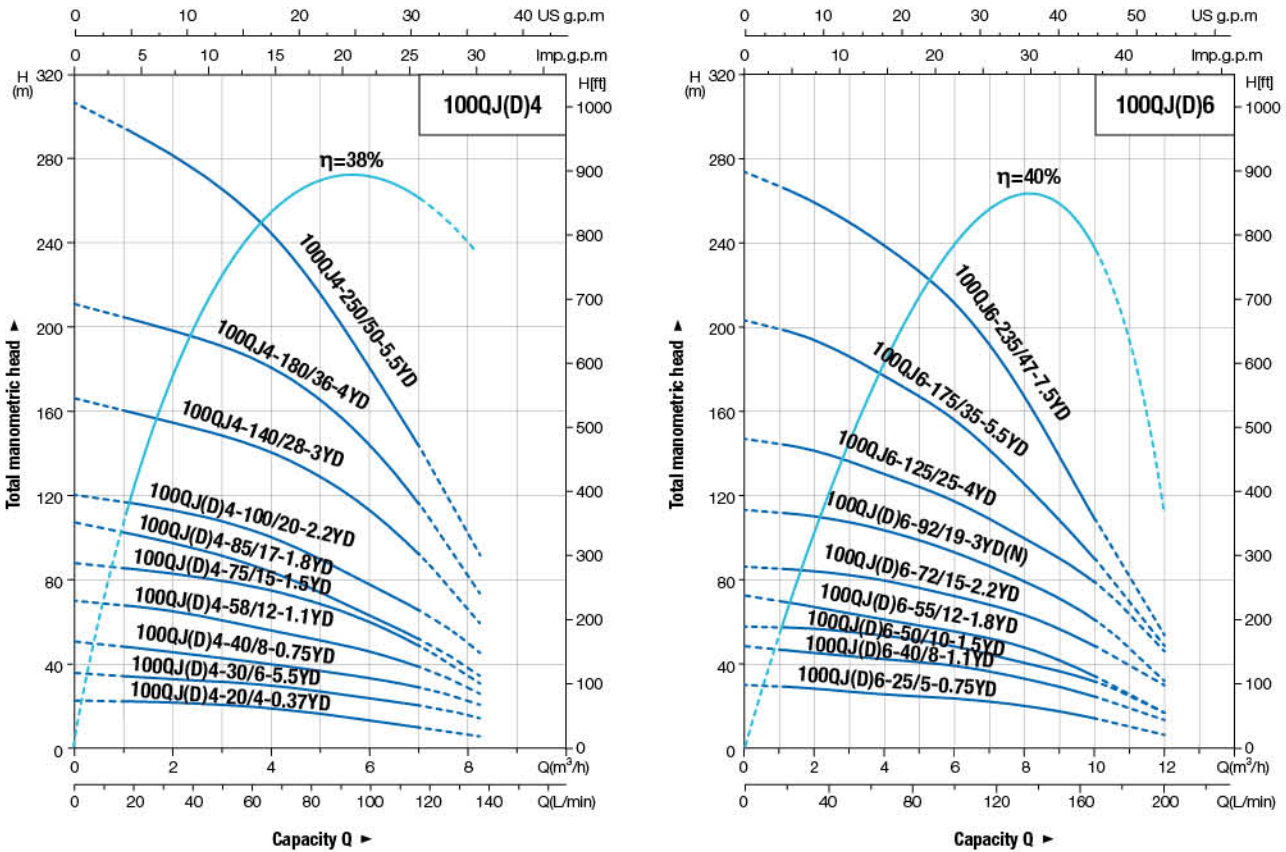
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1	2	3		
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	17	33	50		
100QJD1-42/8-0.37YD	100QJ1-42/8-0.37YD	0.37	0.5	H(m)	50	42	32	2		
100QJD1-62/11-0.55YD	100QJ1-62/11-0.55YD	0.55	0.75		70	62	40	18		
100QJD1-85/15-0.75YD	100QJ1-85/15-0.75YD	0.75	1		91	85	55	21		
100QJD1-122/21-1.1YD	100QJ1-122/21-1.1YD	1.1	1.5		130	122	77	25		
100QJD1-170/29-1.5YD	100QJ1-170/29-1.5YD	1.5	2		184	170	109	44		
100QJD1-245/41-2.2YD	100QJ1-245/41-2.2YD	2.2	3		260	245	165	66		
100QJD1-320/53-3YD(N)	100QJ1-320/53-3YD	3	4		340	320	210	90		
Model		Power		Q(m³/h)	0	1	2	3	4	5
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67	83
100QJD2-35/6-0.37YD	100QJ2-35/6-0.37YD	0.37	0.5	H(m)	38	36	35	30	23	15
100QJD2-45/8-0.55YD	100QJ2-45/8-0.55YD	0.55	0.75		52	50	45	40	35	25
100QJD2-60/11-0.75YD	100QJ2-60/11-0.75YD	0.75	1		70	65	60	50	40	28
100QJD2-90/16-1.1YD	100QJ2-90/16-1.1YD	1.1	1.5		104	98	90	80	68	44
100QJD2-125/22-1.5YD	100QJ2-125/22-1.5YD	1.5	2		140	135	125	114	94	68
100QJD2-140/25-1.8YD	100QJ2-140/25-1.8YD	1.8	2.5		160	154	140	128	83	57
100QJD2-160/28-2.2YD	100QJ2-160/28-2.2YD	2.2	3		180	170	160	140	110	84
100QJD2-245/40-3YD(N)	100QJ2-220/40-3YD	3	4		250	235	220	180	140	76
-	100QJ2-285/52-4YD	4	5.5		320	300	285	230	178	108

Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	2	4	6	8
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	33	67	100	133
100QJD4-20/4-0.37YD	100QJ4-20/4-0.37YD	0.37	0.5	H(m)	23	22	20	12	8
100QJD4-30/6-5.5YD	100QJ4-30/6-5.5YD	0.55	0.75		36	33	30	24	16
100QJD4-40/8-0.75YD	100QJ4-40/8-0.75YD	0.75	1		48	44	40	29	16
100QJD4-58/12-1.1YD	100QJ4-58/12-1.1YD	1.1	1.5		70	65	58	46	29
100QJD4-75/15-1.5YD	100QJ4-75/15-1.5YD	1.5	2		90	80	75	60	35
100QJD4-85/17-1.8YD	100QJ4-85/17-1.8YD	1.8	2.5		106	95	85	61	39
100QJD4-100/20-2.2YD	100QJ4-100/20-2.2YD	2.2	3		120	110	100	70	50
-	100QJ4-140/28-3YD	3	4		165	154	140	110	67
-	100QJ4-180/36-4YD	4	5.5		210	198	180	135	85
-	100QJ4-250/50-5.5YD	5.5	7.5		305	280	250	180	105

Model		Power		Q(m³/h)	0	2	4	6	8	10	12
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	33	67	100	133	167	200
100QJD6-25/5-0.75YD	100QJ6-25/5-0.75YD	0.75	1	H(m)	30	29	27	25	20	15	5
100QJD6-40/8-1.1YD	100QJ6-40/8-1.1YD	1.1	1.5		50	48	44	40	35	27	14
100QJD6-50/10-1.5YD	100QJ6-50/10-1.5YD	1.5	2		60	59	55	50	40	30	15
100QJD6-55/12-1.8YD	100QJ6-55/12-1.8YD	1.8	2.5		75	71	67	55	48	32	5
100QJD6-72/15-2.2YD	100QJ6-72/15-2.2YD	2.2	3		90	88	81	72	64	50	30
100QJD6-92/19-3YD(N)	100QJ6-92/19-3YD	3	4		119	115	105	92	86	68	32
-	100QJ6-125/25-4YD	4	5.5		155	150	135	125	105	85	47
-	100QJ6-175/35-5.5YD	5.5	7.5		214	205	185	175	125	83	3
-	100QJ6-235/47-7.5YD	7.5	10		290	280	250	235	175	104	3

Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD1-42/8-0.37YD	100QJ1-42/8-0.37YD	G1½"	Φ94	Φ98	739	716	347	324	392	14	13.2
100QJD1-62/11-0.55YD	100QJ1-62/11-0.55YD				831	793	377	339	454	15.6	14.3
100QJD1-85/15-0.75YD	100QJ1-85/15-0.75YD				933	890	397	354	536	17.3	15.7
100QJD1-122/21-1.1YD	100QJ1-122/21-1.1YD				1097	1034	437	374	660	20.1	17.4
100QJD1-170/29-1.5YD	100QJ1-170/29-1.5YD				1339	1276	477	414	862	23.8	20.5
100QJD1-245/41-2.2YD	100QJ1-245/41-2.2YD				1727	1642	580	495	1147	29.2	24.1
100QJD1-320/53-3YD(N)	100QJ1-320/53-3YD				2177	1965	782	570	1395	34.6	28

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD2-35/6-0.37YD	100QJ2-35/6-0.37YD	G1½"	Φ94	Φ98	726	703	347	324	379	13.8	13
100QJD2-45/8-0.55YD	100QJ2-45/8-0.55YD				807	769	377	339	430	15.5	14.2
100QJD2-60/11-0.75YD	100QJ2-60/11-0.75YD				903	860	397	354	506	17	15.4
100QJD2-90/16-1.1YD	100QJ2-90/16-1.1YD				1070	1007	437	374	633	20.1	17.4
100QJD2-125/22-1.5YD	100QJ2-125/22-1.5YD				1263	1200	477	414	786	23	20.1
100QJD2-140/25-1.8YD	100QJ2-140/25-1.8YD				1533	1372	602	441	931	26	21.5
100QJD2-160/28-2.2YD	100QJ2-160/28-2.2YD				1594	1509	580	495	1014	27.8	22.7
100QJD2-220/40-3YD(N)	100QJ2-220/40-3YD				2221	2009	782	570	1439	34.1	27.5
-	100QJ2-285/52-4YD				-	2468	-	650	1818	-	34.1

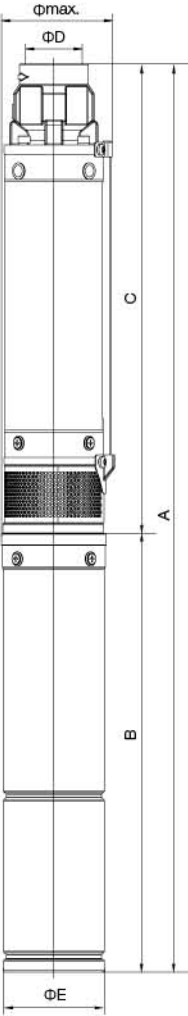
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD4-20/4-0.37YD	100QJ4-20/4-0.37YD	G1½"	Φ94	Φ98	705	682	347	324	358	11.7	10.9
100QJD4-30/6-0.55YD	100QJ4-30/6-0.55YD				801	763	377	339	424	13.5	12.2
100QJD4-40/8-0.75YD	100QJ4-40/8-0.75YD				886	843	397	354	489	15.4	13.5
100QJD4-58/12-1.1YD	100QJ4-58/12-1.1YD				1058	995	437	374	621	18.2	15.5
100QJD4-75/15-1.5YD	100QJ4-75/15-1.5YD				1196	1133	477	414	719	20.9	18.0
100QJD4-85/17-1.8YD	100QJ4-85/17-1.8YD				1380	1219	602	441	632	24.1	19.4
100QJD4-100/20-2.2YD	100QJ4-100/20-2.2YD				1463	1378	580	495	883	27.0	21.9
-	100QJ4-140/28-3YD				-	1791	-	570	1221	-	27.3
-	100QJ4-180/36-4YD				-	2134	-	650	1484	-	32.8
-	100QJ4-250/50-5.5YD				-	2761	-	780	1981	-	43.6

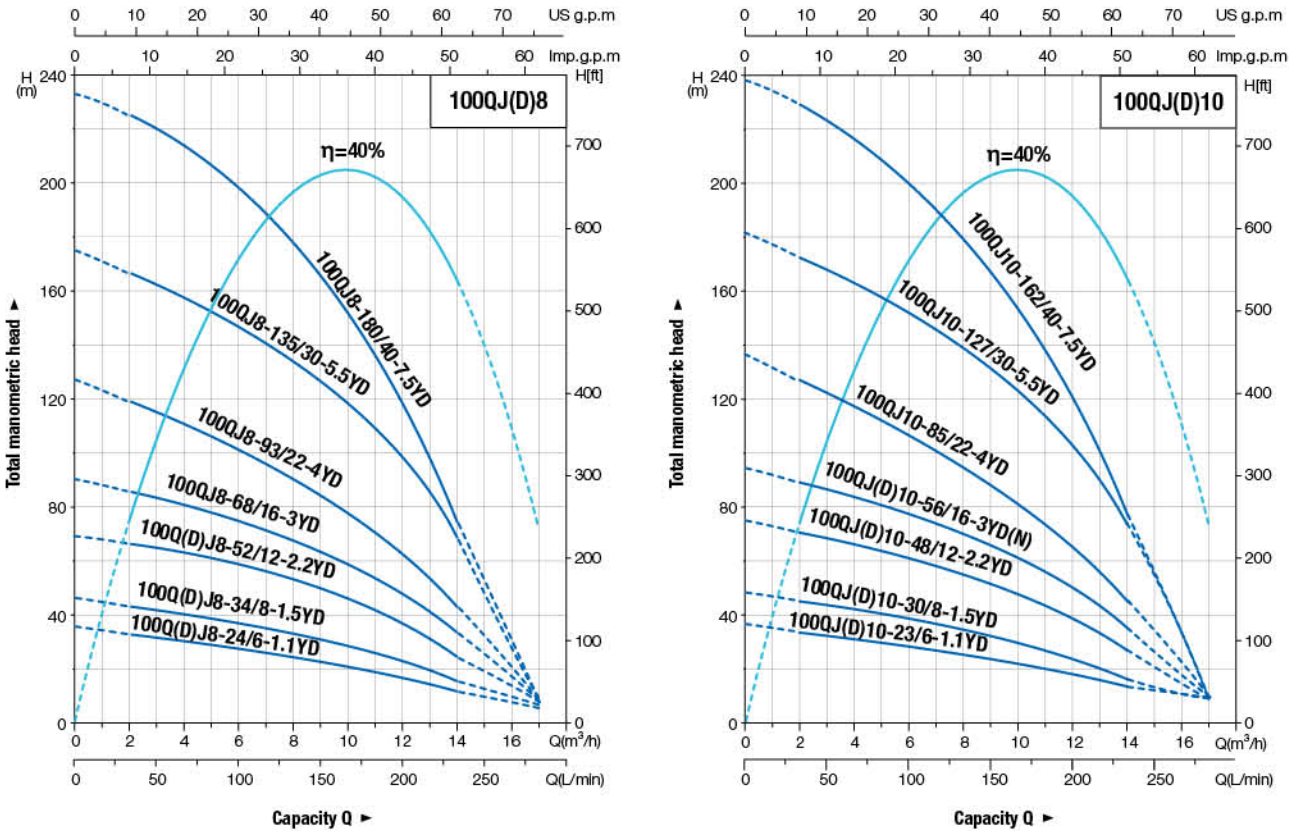
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD6-25/5-0.75YD	100QJ6-25/5-0.75YD	G1½"	Φ94	Φ98	788	745	397	354	391	14.8	12.9
100QJD6-40/8-1.1YD	100QJ6-40/8-1.1YD				926	863	437	374	489	17.4	14.7
100QJD6-50/10-1.5YD	100QJ6-50/10-1.5YD				1032	969	477	414	555	19.9	17.0
100QJD6-55/12-1.8YD	100QJ6-55/12-1.8YD				1216	1055	602	441	614	23.5	18.5
100QJD6-72/15-2.2YD	100QJ6-72/15-2.2YD				1299	1214	580	495	719	26.0	20.9
100QJD6-92/19-3YD(N)	100QJ6-92/19-3YD				1689	1477	782	570	907	31.6	25.0
-	100QJ6-125/25-4YD				-	1848	-	650	1198	-	30.0
-	100QJ6-175/35-5.5YD				-	2374	-	780	1594	-	39.8
-	100QJ6-235/47-7.5YD				-	2904	-	880	2024	-	47.3

* S stands for single phase, T stands for three phase



Performance Curves

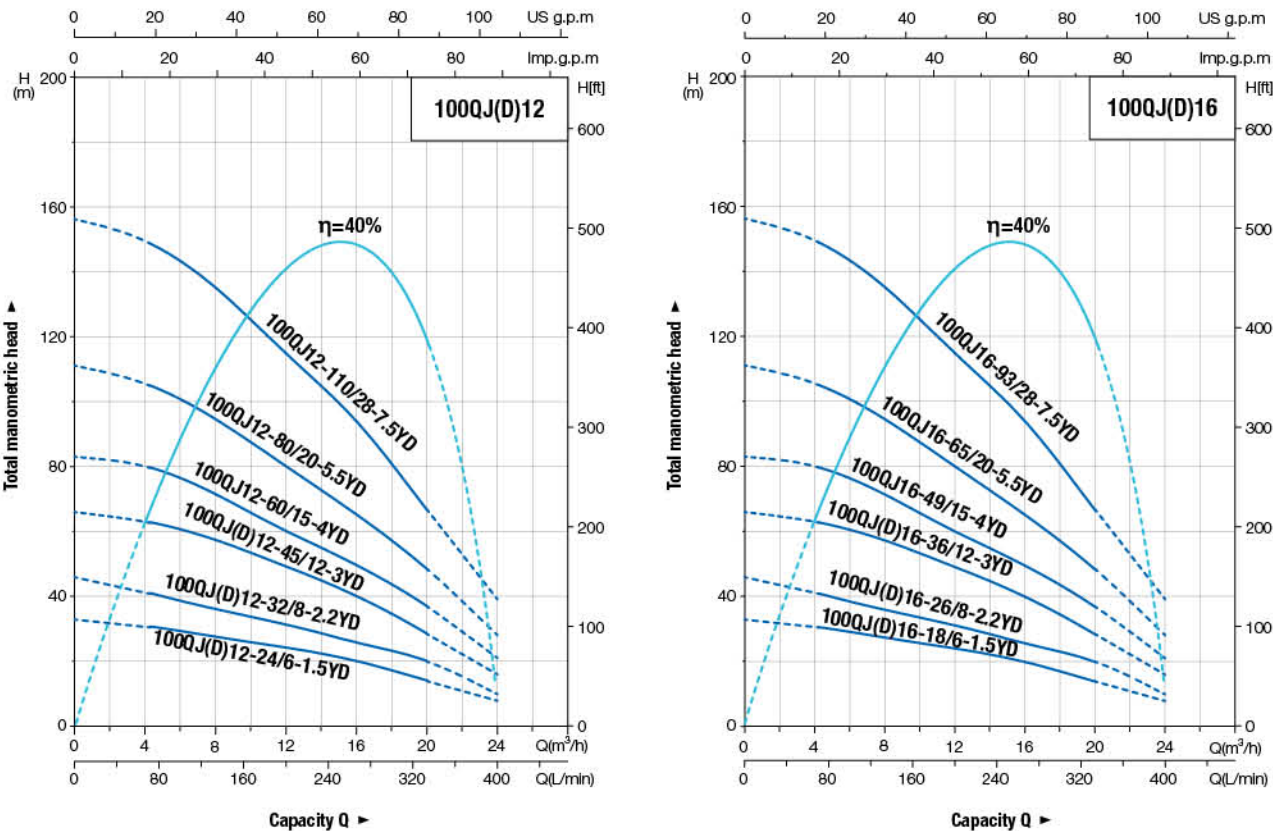


Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	2	4	6	8	10	12	14	17
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	33	67	100	133	167	200	233	283
100QJD8-24/6-1.1YD	100QJ8-24/6-1.1YD	1.1	1.5	H(m)	35	34	32	30	24	23	18	12	10
100QJD8-34/8-1.5YD	100QJ8-34/8-1.5YD	1.5	2		47	44	42	39	34	30	22	15	10
100QJD8-52/12-2.2YD	100QJ8-52/12-2.2YD	2.2	3		70	66	65	59	52	45	35	27	10
-	100QJ8-68/16-3YD	3	4		90	87	84	78	68	53	42	35	10
-	100QJ8-93/22-4YD	4	5.5		128	122	115	108	93	81	60	42	10
-	100QJ8-135/30-5.5YD	5.5	7.5		175	167	157	148	135	120	86	70	10
-	100QJ8-180/40-7.5YD	7.5	10		232	225	210	195	180	153	116	75	10

Model		Power		Q(m³/h)	0	2	4	6	8	10	12	14	17
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	33	67	100	133	167	200	233	283
100QJD10-23/6-1.1YD	100QJ10-23/6-1.1YD	1.1	1.5	H(m)	37	35	33	31	25	23	19	13	11
100QJD10-30/8-1.5YD	100QJ10-30/8-1.5YD	1.5	2		48	45	43	40	35	30	23	16	11
100QJD10-48/12-2.2YD	100QJ10-48/12-2.2YD	2.2	3		72	68	67	61	54	48	36	28	11
100QJD10-56/16-3YD(N)	100QJ10-56/16-3YD	3	4		93	90	86	81	70	56	43	36	11
-	100QJ10-85/22-4YD	4	5.5		132	126	118	111	96	85	62	43	11
-	100QJ10-127/30-5.5YD	5.5	7.5		180	172	162	152	139	127	88	72	11
-	100QJ10-162/40-7.5YD	7.5	10		239	231	216	201	185	162	120	77	11

Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	4	8	12	16	20	23
Single phase (220-240V/50Hz)		kW	HP	Q(l/min)	0	67	133	200	260	333	384
100QJD12-24/6-1.5YD	100QJ12-24/6-1.5YD	1.5	2	H(m)	33	32	29	24	20	14	8
100QJD12-32/8-2.2YD	100QJ12-32/8-2.2YD	2.2	3		46	40	38	32	25	20	10
100QJD12-45/12-3YD	100QJ12-45/12-3YD	3	4		66	64	58	45	40	29	16
-	100QJ12-60/15-4YD	4	5.5		83	80	72	60	50	37	21
-	100QJ12-80/20-5.5YD	5.5	7.5		111	106	96	80	67	49	28
-	100QJ12-110/28-7.5YD	7.5	10		156	149	135	110	94	69	39

Model		Power		Q(m³/h)	0	4	8	12	16	20	23
Single phase (220-240V/50Hz)		kW	HP	Q(l/min)	0	67	133	200	260	333	384
100QJD16-18/6-1.5YD	100QJ16-18/6-1.5YD	1.5	2	H(m)	33	32	29	24	18	14	8
100QJD16-26/8-2.2YD	100QJ16-26/8-2.2YD	2.2	3		46	40	38	32	26	20	10
100QJD16-36/12-3YD	100QJ16-36/12-3YD	3	4		66	64	58	45	36	29	16
-	100QJ16-49/15-4YD	4	5.5		83	80	72	60	49	37	21
-	100QJ16-65/20-5.5YD	5.5	7.5		111	106	96	80	65	49	28
-	100QJ16-93/28-7.5YD	7.5	10		156	149	135	110	93	69	39

Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD8-24/6-1.1YD	100QJ8-24/6-1.1YD	G2"	Φ94	Φ98	993	930	437	374	556	18.3	15.6
100QJD8-34/8-1.5YD	100QJ8-34/8-1.5YD				1143	1080	477	414	666	21.2	18.3
100QJD8-52/12-2.2YD	100QJ8-52/12-2.2YD				1466	1381	580	495	886	28.0	22.9
-	100QJ8-68/16-3YD				-	1675	-	570	1105	-	28.2
-	100QJ8-93/22-4YD				-	2085	-	650	1435	-	34.6
-	100QJ8-135/30-5.5YD				-	2654	-	780	1874	-	45.7
-	100QJ8-180/40-7.5YD				-	3303	-	880	2423	-	55.0

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD10-23/6-1.1YD	100QJ10-23/6-1.1YD	G2"	Φ94	Φ98	1056	1056	500	500	556	18.3	18.3
100QJD10-30/8-1.5YD	100QJ10-30/8-1.5YD				1231	1231	565	565	666	21.2	21.2
100QJD10-48/12-2.2YD	100QJ10-48/12-2.2YD				1572	1572	686	686	886	28.0	28.0
100QJD10-56/16-3YD(N)	100QJ10-56/16-3YD				1887	1887	782	782	1105	34.8	34.8
-	100QJ10-85/22-4YD				-	2085	-	650	1435	-	34.6
-	100QJ10-127/30-5.5YD				-	2654	-	780	1874	-	45.7
-	100QJ10-162/40-7.5YD				-	3303	-	880	2423	-	55.0

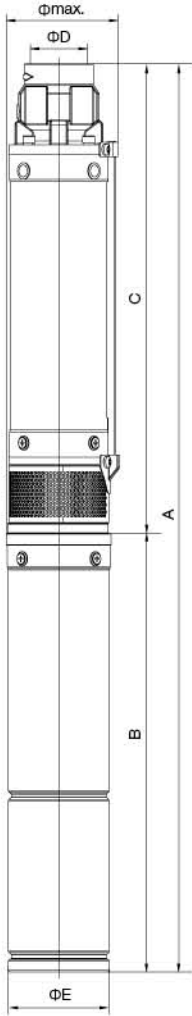
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD12-24/6-1.5YD	100QJ12-24/6-1.5YD	G2"	Φ94	Φ98	1209	1058	565	414	644	20.5	17.60
100QJD12-32/8-2.2YD	100QJ12-32/8-2.2YD				1469	1278	686	495	783	26.5	21.4
100QJD12-45/12-3YD	100QJ12-45/12-3YD				1843	1631	782	570	1061	33.7	27.1
-	100QJ12-60/15-4YD				-	1958	-	650	1308	-	32.3
-	100QJ12-80/20-5.5YD				-	2435	-	780	1655	-	42.3
-	100QJ12-110/28-7.5YD				-	3091	-	880	2211	-	51.2

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD16-18/6-1.5YD	100QJ16-18/6-1.5YD	G2"	Φ94	Φ98	1209	1058	565	414	644	20.5	17.6
100QJD16-26/8-2.2YD	100QJ16-26/8-2.2YD				1469	1278	686	495	783	26.5	21.4
100QJD16-36/12-3YD	100QJ16-36/12-3YD				1843	1631	782	570	1061	33.7	27.1
-	100QJ16-49/15-4YD				-	1958	-	650	1308	-	32.3
-	100QJ16-65/20-5.5YD				-	2435	-	780	1655	-	42.3
-	100QJ16-93/28-7.5YD				-	3091	-	880	2211	-	51.2

* S stands for single phase, T stands for three phase



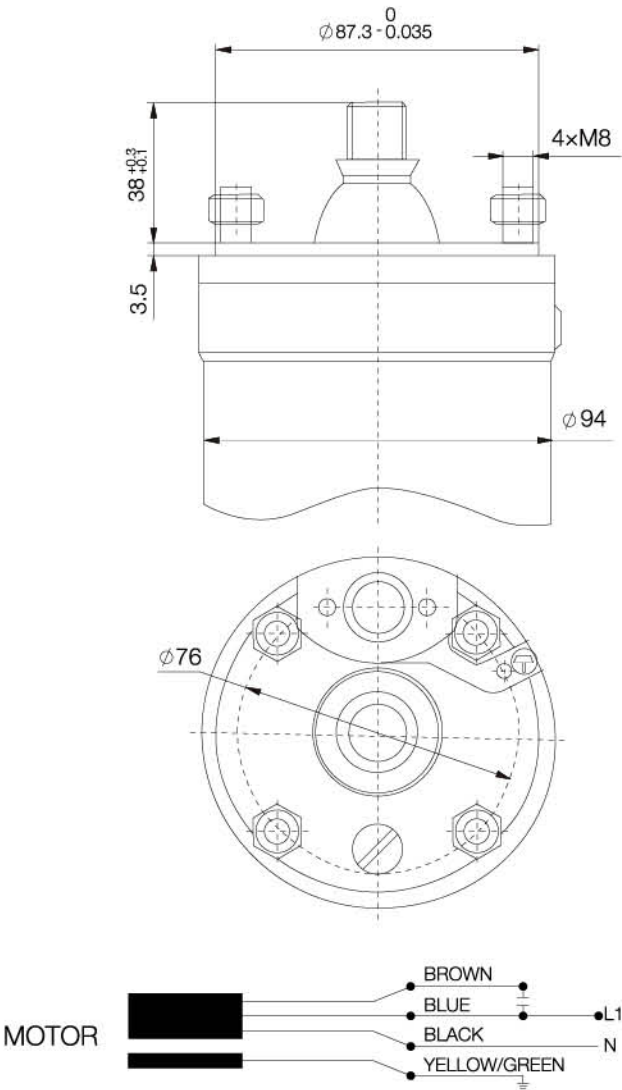
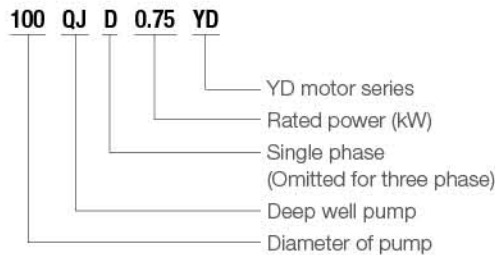
100 QJD-YD

100 QJD Series oil-filled type single phase submersible motor

Motor

Single phase power: 0.37 to 3 kW
Speed: 2850 rpm
Voltage: 220V /50Hz
Insulation class: F
Production grade: IP68
Highest temperature of liquid: 40°C
Maximum content of solid substance: 40 g/m³
Motor casing: AISI 304 / AISI 201
With sandproof cover
Max.PH value within 6.5-8.5
Max. Voltage Flutuation: ±5%
Max. Frequency Fluctuation: ±1%

Model Instruction



Technical Table n=2850 r/min

Model	Power		Capacitor	Current	Efficiency	Height	Weight
	kW	HP	μF	A	η%	mm	kg
Single phase (220-240V/50Hz)							
100QJD-0.37YD	0.37	0.5	25	3.2	57	393	7.9
100QJD-0.55YD	0.55	0.75	35	4.5	60	423	9.3
100QJD-0.75YD	0.75	1	40	5.8	63	460	10.3
100QJD-1.1YD	1.1	1.5	45	8.2	66	500	12.5
100QJD-1.5YD	1.5	2	65	10.8	68	565	14.5
100QJD-2.2YD	2.2	3	80	15.6	69	686	19.4
100QJD-3YD	3	4	100	21.2	72.8	822.5	25.3

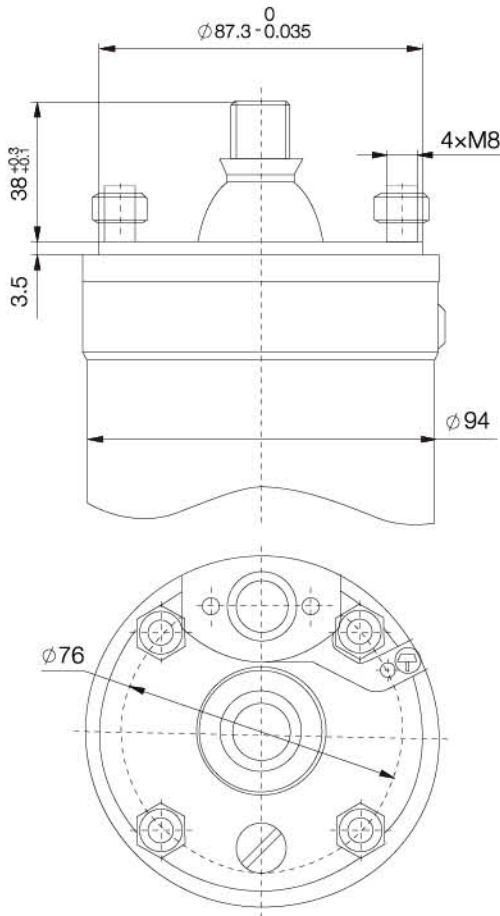
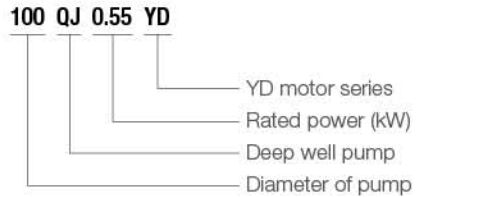
100 QJ-YD

100 QJ Series oil-filled type three phase submersible motor

Motor

Single phase power: 0.37 to 2.2 kW
Speed: 2850 rpm
Voltage: 380V /50Hz
Insulation class: F
Production grade: IP68
Highest temperature of liquid: 40°C
Maximum content of solid substance:40 g/m³
Motor casing: AISI 304 / AISI 201
With sandproof cover
Max.PH value within 6.5-8.5
Max. Voltage Flutuation: ±5%
Max. Frequency Fluctuation: ±1%

Model Instruction



Technical Table n=2850 r/min

Model	Power		Power factor	Current	Efficiency	Dimension	Weight
	kW	HP	Cos Φ	A	η%	mm	kg
Single phase (380-450V/50Hz)							
100QJ-0.37YD	0.37	0.5	0.72	1.35	58	324	7.9
100QJ-0.55YD	0.55	0.75	0.74	2	61	339	7.9
100QJ-0.75YD	0.75	1	0.75	2.4	64	354	8.7
100QJ-1.1YD	1.1	1.5	0.76	3.3	67	374	9.8
100QJ-1.5YD	1.5	2	0.77	4.3	69	414	11.6
100QJ-2.2YD	2.2	3	0.78	6	71	495	14.1
100QJ-3YD	3	4	0.79	8	72	570	16.9
100QJ-4YD	4	5.5	0.79	10.4	74	650	21.1
100QJ-5.5YD	5.5	7.5	0.8	13.9	75	780	28.7
100QJ-7.5YD	7.5	10	0.8	18.8	76	880	34.9

QJ(D)-YS

Stainless Steel Deep Well Pump



Application

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating Limits

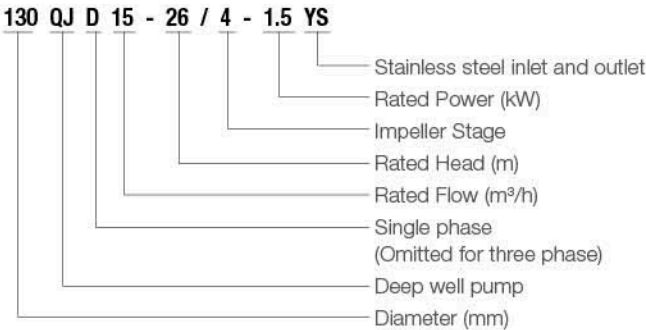
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 100m
Minimum well diameter: 5", 6"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Optional equipped with control box
Protection class: IP68
Insulation class: F

One Year Warranty

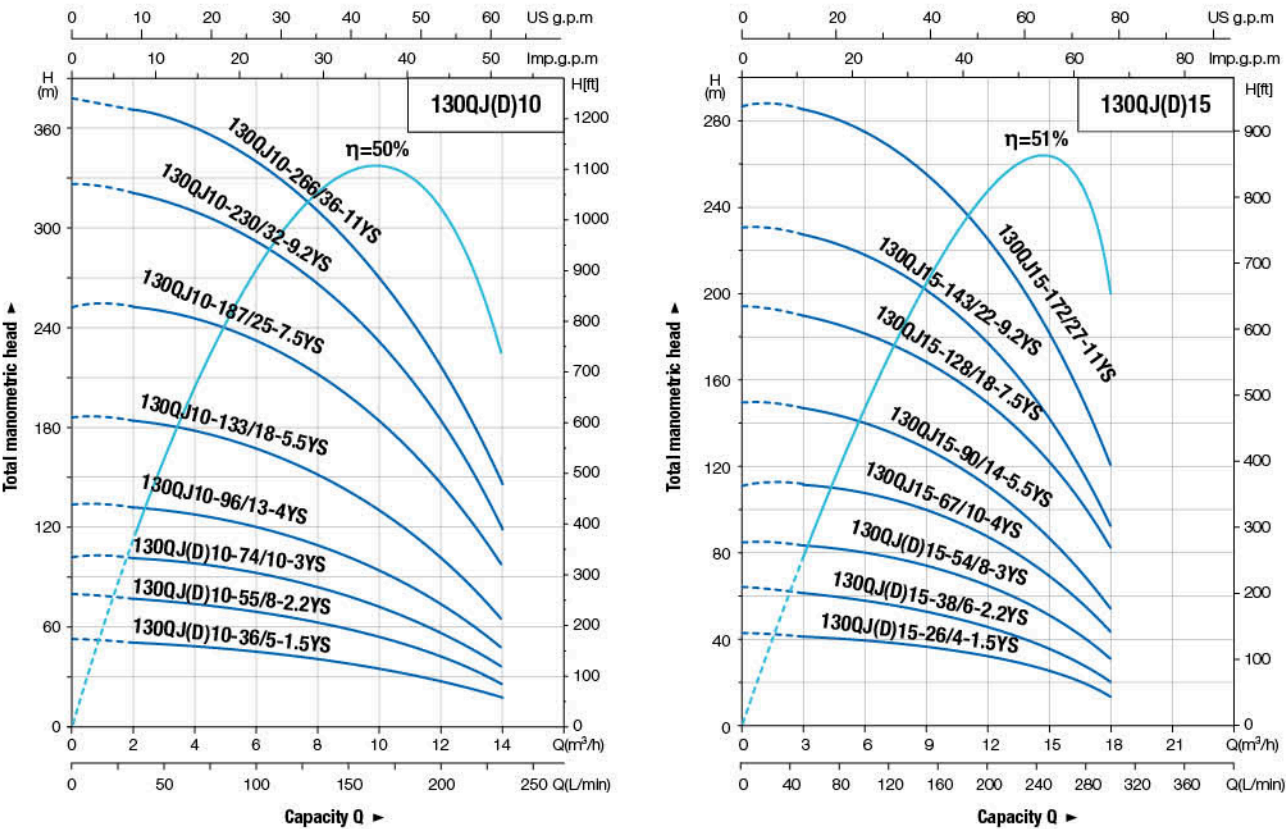
Model Instruction



Model Analysis

Component	Material
Pump external casing	① AISI 304 SS ② AISI 201 SS
Pump outlet	AISI 304 SS
Pump inlet	AISI 304 SS
Diffuser	Plastic PC
Diffuser cover	Plastic PC
Impeller	Plastic POM
Shaft	AISI 304 SS
Shaft coupling	① AISI 304 SS ② 2Cr13
Motor external casing	① AISI 304 SS ② AISI 201 SS
Oil chamber	HT200
Bottom bearing seat	HT200
Mechanical seal	Ceramics-graphite
Bottom cover	AISI 304 SS
Shaft	① AISI 304 SS ② 2Cr13
Bearing	① NSK ② C&U
Seal lubricant oil	10# food-grade lubricant oil

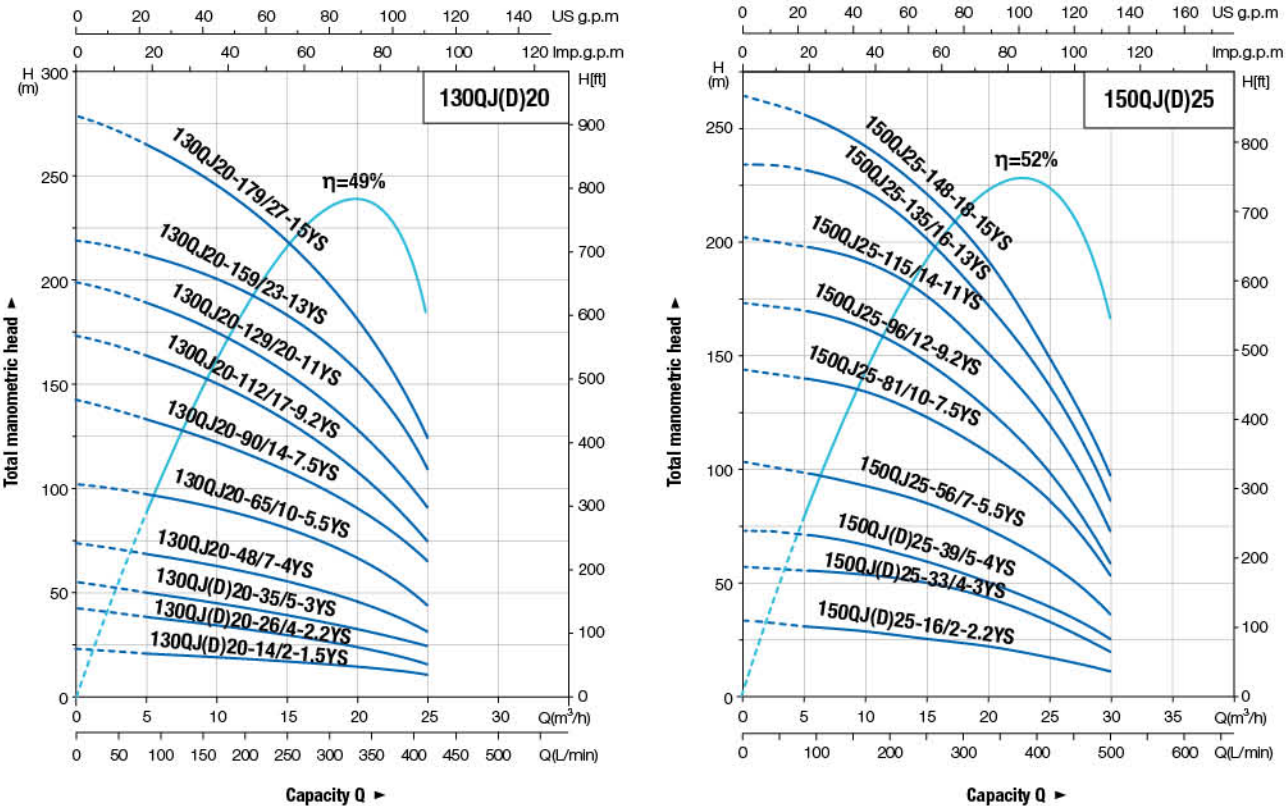
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	2	4	6	8	10	12	14	16
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	33	67	100	133	167	200	233	267
130QJD10-36/5-1.5YS	130QJ10-36/5-1.5YS	1.5	2	H(m)	50	49	48	45	41	36	28	18	5
130QJD10-55/8-2.2YS	130QJ10-55/8-2.2YS	2.2	3		80	78	75	71	65	55	45	29	8
130QJD10-74/10-3YS	130QJ10-74/10-3YS	3	4		102	101	98	93	86	74	59	40	13
-	130QJ10-96/13-4YS	4	5.5		134	132	128	120	110	96	76	50	14
-	130QJ10-133/18-5.5YS	5.5	7.5		187	185	179	167	153	133	102	70	20
-	130QJ10-187/25-7.5YS	7.5	10		252	251	246	232	214	187	146	100	30
-	130QJ10-230/32-9.2YS	9.2	12.5		326	322	310	290	267	230	181	120	32
-	130QJ10-266/36-11YS	11	15		356	352	340	319	298	260	204	135	36
Model		Power		Q(m³/h)	0	3	6	9	12	15	18	21	
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	50	100	150	200	250	300	350	
130QJD15-26/4-1.5YS	130QJ15-26/4-1.5YS	1.5	2	H(m)	42	41	40	37	33	26	17	4	
130QJD15-38/6-2.2YS	130QJ15-38/6-2.2YS	2.2	3		62	61	59	55	48	38	25	5	
130QJD15-54/8-3YS	130QJ15-54/8-3YS	3	4		85	84	82	76	67	54	37	9	
-	130QJ15-67/10-4YS	4	5.5		106	105	104	96	84	67	46	12	
-	130QJ15-90/14-5.5YS	5.5	7.5		149	147	143	131	115	90	58	15	
-	130QJ15-128/18-7.5YS	7.5	10		193	192	187	175	157	128	83	20	
-	130QJ15-143/22-9.2YS	9.2	12.5		232	230	222	206	180	143	101	24	
-	130QJ15-172/27-11YS	11	15		282	278	270	248	218	172	125	30	

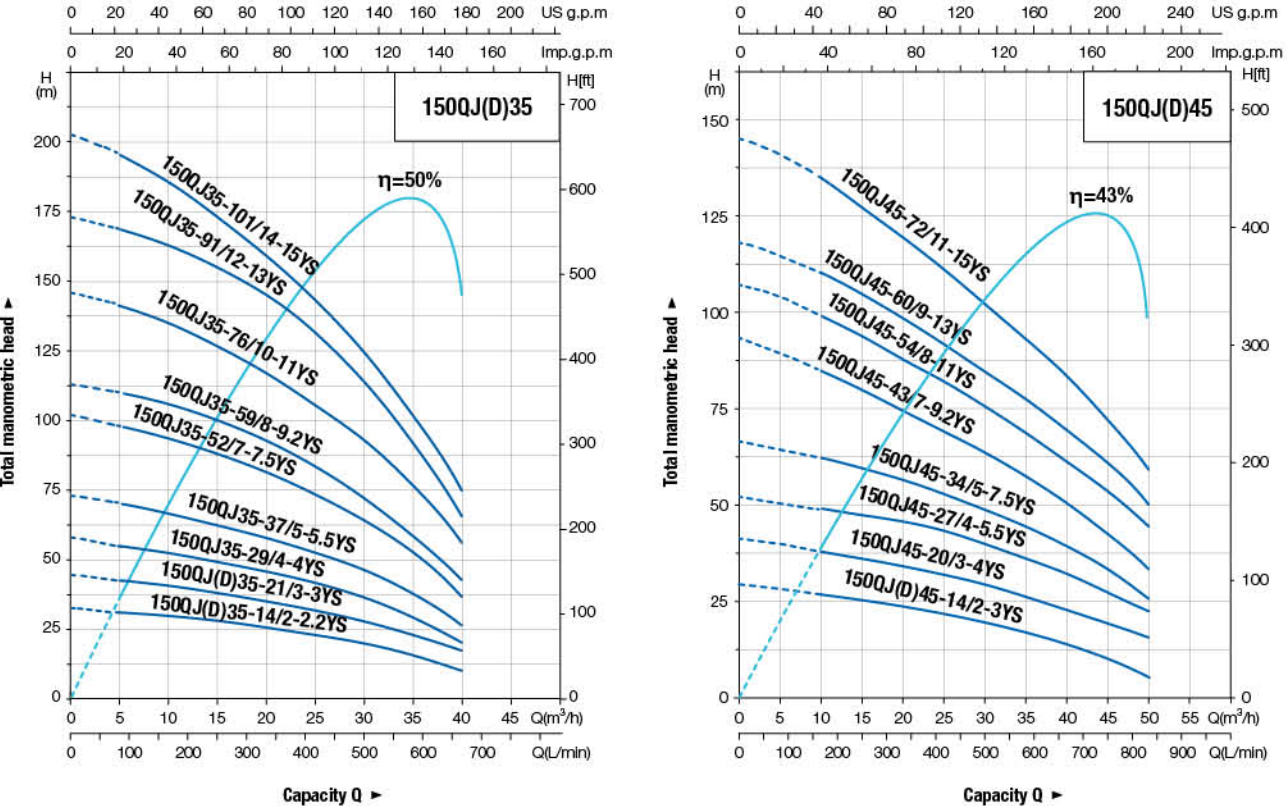
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	5	10	15	20	25	30	
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	83	167	250	333	417	500	
130QJD20-14/2-1.5YS	130QJ20-14/2-1.5YS	1.5	2	H(m)	20	19	18	16	14	10	4	
130QJD20-26/4-2.2YS	130QJ20-26/4-2.2YS	2.2	3		40	37	35	31	26	17	7	
130QJD20-35/5-3YS	130QJ20-35/5-3YS	3	4		52	49	46	42	35	25	10	
-	130QJ20-48/7-4YS	4	5.5		71	68	64	58	48	35	10	
-	130QJ20-65/10-5.5YS	5.5	7.5		101	96	90	80	65	43	10	
-	130QJ20-90/14-7.5YS	7.5	10		140	130	122	110	90	62	15	
-	130QJ20-112/17-9.2YS	9.2	12.5		170	162	150	137	112	75	25	
-	130QJ20-129/20-11YS	11	15		200	189	175	156	129	85	25	
-	130QJ20-159/23-13YS	13	17.5		235	222	208	189	159	105	45	
-	130QJ20-179/27-15YS	15	20		276	260	240	219	179	125	45	
Model		Power		Q(m³/h)	0	5	10	15	20	25	30	35
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	83	167	250	333	417	500	583
150QJD25-16/2-2.2YS	150QJ25-16/2-2.2YS	2.2	3	H(m)	29	28	27	25	22	16	9	1
150QJD25-33/4-3YS	150QJ25-33/4-3YS	3	4		59	57	55	51	44	33	20	2
-	150QJ25-39/5-4YS	4	5.5		73	71	68	63	53	39	20	2
-	150QJ25-56/7-5.5YS	5.5	7.5		101	98	95	87	74	56	32	2
-	150QJ25-81/10-7.5YS	7.5	10		144	140	136	124	107	81	52	2
-	150QJ25-96/12-9.2YS	9.2	12.5		171	167	160	146	126	96	57	2
-	150QJ25-115/14-11YS	11	15		202	198	191	174	150	115	70	2
-	150QJ25-135/16-13YS	13	17.5		233	227	220	202	174	135	84	8
-	150QJ25-148-18-15YS	15	20		260	252	244	220	188	148	88	4

Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	5	10	15	20	25	30	35	40	45
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	83	167	250	333	417	500	583	667	750
150QJD35-14/2-2.2YS	150QJ35-14/2-2.2YS	2.2	3	H(m)	27	26	25	23	21	19	16	14	7	3
150QJD35-21/3-3YS	150QJ35-21/3-3YS	3	4		43	41	39	37	34	32	27	21	17	7
-	150QJ35-29/4-4YS	4	5.5		57	55	51	48	45	41	35	29	21	7
-	150QJ35-37/5-5.5YS	5.5	7.5		72	70	65	61	57	52	46	37	26	10
-	150QJ35-52/7-7.5YS	7.5	10		101	97	92	86	80	73	64	52	37	16
-	150QJ35-59/8-9.2YS	9.2	12.5		112	110	103	97	92	83	71	59	41	18
-	150QJ35-76/10-11YS	11	15		145	141	132	123	116	106	92	76	55	24
-	150QJ35-91/12-13YS	13	17.5		173	168	159	148	139	128	110	91	66	28
-	150QJ35-101/14-15YS	15	20		202	194	182	169	158	144	124	101	74	31

Model		Power		Q(m³/h)	0	5	10	15	20	25	30	35	40	45	50	55	60
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	83	167	250	333	417	500	583	667	833	917	1000	
150QJD45-14/2-3YS	150QJ45-14/2-3YS	3	4	H(m)	28	27	26	24	23	22	20	18	16	23	11	7	3
-	150QJ45-20/3-4YS	4	5.5		40	39	37	34	32	30	28	26	23	32	16	10	4
-	150QJ45-27/4-5.5YS	5.5	7.5		53	52	49	45	42	40	38	34	31	42	22	14	6
-	150QJ45-34/5-7.5YS	7.5	10		66	65	62	57	54	51	48	44	39	54	26	17	7
-	150QJ45-43/7-9.2YS	9.2	12.5		93	90	84	78	73	69	64	58	51	73	33	20	7
-	150QJ45-54/8-11YS	11	15		106	103	97	90	84	80	75	69	62	84	44	29	11
-	150QJ45-60/9-13YS	13	17.5		120	116	110	102	96	90	84	77	69	96	50	34	13
-	150QJ45-72/11-15YS	15	20		145	141	132	122	115	107	100	92	82	115	57	36	15

Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
130QJD10-36/5-1.5YS	130QJ10-36/5-1.5YS	G2"	Φ137	Φ138	965	965	489	489	559	27.6	28.1
130QJD10-55/8-2.2YS	130QJ10-55/8-2.2YS				1156	1156	509	509	730	31.7	31.9
130QJD10-74/10-3YS	130QJ10-74/10-3YS				1282	1282	549	549	816	34.9	35.3
-	130QJ10-96/13-4YS				-	1431	-	569	945	-	39.1
-	130QJ10-133/18-5.5YS				-	1743	-	624	1202	-	46.8
-	130QJ10-187/25-7.5YS				-	2146	-	684	1545	-	55.4
-	130QJ10-230/32-9.2YS				-	2574	-	769	1888	-	67.2
-	130QJ10-270/36-11YS				-	2853	-	834	2102	-	74.7

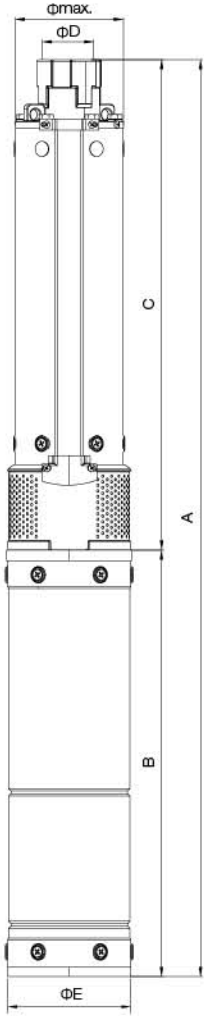
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
130QJD15-26/4-1.5YS	130QJ15-26/4-1.5YS	G2"	Φ137	Φ138	940	940	489	489	534	27.3	27.8
130QJD15-38/6-2.2YS	130QJ15-38/6-2.2YS				1055	1055	509	509	630	30.7	30.9
130QJD15-54/8-3YS	130QJ15-54/8-3YS				1190	1190	549	549	724	33.8	34.2
-	130QJ15-67/10-4YS				-	1347	-	569	862	-	38.0
-	130QJ15-90/14-5.5YS				-	1592	-	624	1052	-	44.9
-	130QJ15-128/18-7.5YS				-	1885	-	684	1284	-	52.1
-	130QJ15-143/22-9.2YS				-	2160	-	769	1474	-	62.3
-	130QJ15-184/27-11YS				-	2505	-	834	1754	-	70.2

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
130QJD20-14/2-1.5YS	130QJ20-14/2-1.5YS	G3"	Φ137	Φ138	857	856.7	488.5	488.5	451.2	26.5	27.0
130QJD20-26/4-2.2YS	130QJ20-26/4-2.2YS				983.5	983.5	508.5	508.5	558	30	30.2
130QJD20-35/5-3YS	130QJ20-35/5-3YS				1076.8	1076.8	548.5	548.5	611.3	32.5	32.9
-	130QJ20-48/7-4YS				-	1203.7	-	568.5	718.2	-	36.4
-	130QJ20-65/10-5.5YS				-	1461.4	-	623.5	920.9	-	43.3
-	130QJ20-90/14-7.5YS				-	1735.2	-	683.5	1134.7	-	50.2
-	130QJ20-112/17-9.2YS				-	1980.55	-	768.5	1295.05	-	59.9
-	130QJ20-129/20-11YS				-	2248.25	-	833.5	1497.75	-	66.9
-	130QJ20-159/23-13YS				-	2500.95	-	883.5	1700.45	-	73.5
-	130QJ20-179/27-15YS				-	2764.75	-	933.5	1914.25	-	79.9

* S stands for single phase, T stands for three phase



Installation Method and Size

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
150QJD25-16/2-2.2YS	150QJ25-16/2-2.2YS	G3"	Φ137	Φ145	897.5	897.5	508.5	508.5	472	29.4	29.6
150QJD25-33/4-3YS	150QJ25-33/4-3YS				1044.7	1044.7	548.5	548.5	579.2	32.7	33.1
-	150QJ25-39/5-4YS				-	1118.05	-	568.5	632.55	-	36.1
-	150QJ25-56/7-5.5YS				-	1279.75	-	623.5	739.25	-	42.1
-	150QJ25-81/10-7.5YS				-	1553.05	-	683.5	952.55	-	49.2
-	150QJ25-96/12-9.2YS				-	1744.75	-	768.5	1059.25	-	58.5
-	150QJ25-115/14-11YS				-	1969.7	-	833.5	1219.2	-	65.2
-	150QJ25-135/16-13YS				-	2126.4	-	883.5	1325.9	-	70.9
-	150QJ25-148-18-15YS				-	2283.1	-	933.5	1432.6	-	76.3

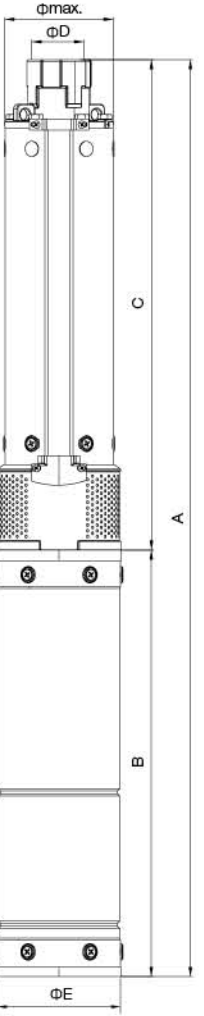
* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
150QJD35-14/2-2.2YS	150QJ35-14/2-2.2YS	G3"	Φ137	Φ145	911.1	911.1	508.5	508.5	485.6	29.6	29.8
150QJD35-21/3-3YS	150QJ35-21/3-3YS				1010.9	1010.9	548.5	548.5	545.4	32.3	32.7
-	150QJ35-29/4-4YS				-	1090.7	-	568.5	605.2	-	35.7
-	150QJ35-37/5-5.5YS				-	1205.5	-	623.5	665	-	41.2
-	150QJ35-52/7-7.5YS				-	1385.3	-	683.5	784.8	-	47.2
-	150QJ35-59/8-9.2YS				-	1583.4	-	768.5	897.9	-	56.6
-	150QJ35-76/10-11YS				-	1768	-	833.5	1017.5	-	62.8
-	150QJ35-91/12-13YS				-	1937.8	-	883.5	1137.3	-	68.7
-	150QJ35-101/14-15YS				-	2107.5	-	933.5	1257	-	74.2

* S stands for single phase, T stands for three phase

Model		Outlet	Dimensions (mm)							N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
150QJD45-14/2-3YS	150QJ45-14/2-3YS	G3"	Φ137	Φ145	971	971	548.5	548.5	505.5	31.8	32.2
-	150QJ45-20/3-4YS				-	1060.9	-	568.5	575.4	-	35.3
-	150QJ45-27/4-5.5YS				-	1185.7	-	623.5	645.2	-	40.8
-	150QJ45-34/5-7.5YS				-	1315.5	-	683.5	715	-	46.2
-	150QJ45-43/7-9.2YS				-	1540.3	-	768.5	854.8	-	55.9
-	150QJ45-54/8-11YS				-	1728.4	-	833.5	977.9	-	62.3
-	150QJ45-60/9-13YS				-	1848.2	-	883.5	1047.7	-	67.5
-	150QJ45-72/11-15YS				-	2037.9	-	933.5	1187.4	-	73.1

* S stands for single phase, T stands for three phase



100QJ(D)-SP

Stainless Steel Deep Well Pump



Application

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating Limits

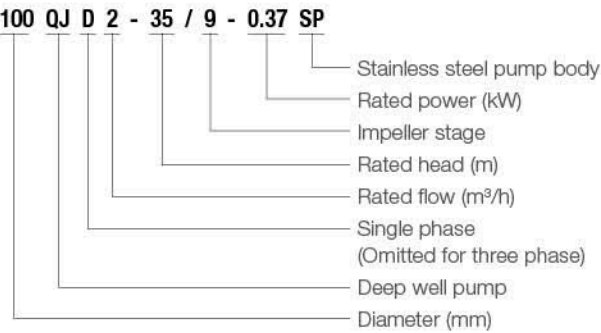
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 80m
Minimum well diameter: 4"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Protection class: IP68
Insulation class: F

One Year Warranty

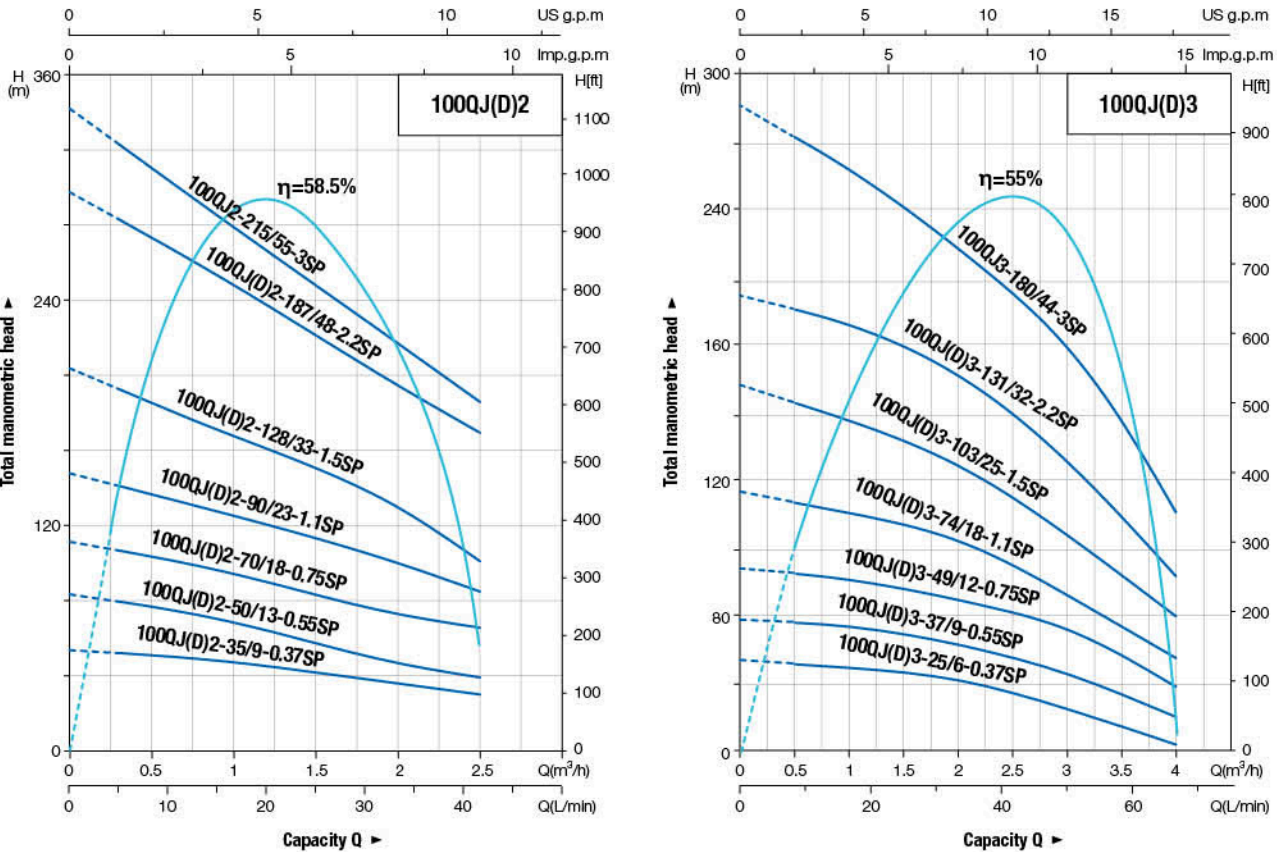
Model Instruction



Model Analysis

Component	Material
Pump external casing	① AISI 304 SS ② AISI 201 SS
Pump outlet	AISI 304 SS
Pump inlet	AISI 304 SS
Diffuser	AISI 304 SS
Diffuser cover	AISI 304 SS
Impeller	AISI 304 SS
Shaft	AISI 304 SS
Shaft coupling	① AISI 304 SS ② 2Cr13
Motor external casing	① AISI 304 SS ② AISI 201 SS
Upper bearing seat	① Cast-Cu ② Cast-iron
Bottom bearing seat	HT200
Mechanical seal	Ceramics-graphite
Bottom cover	AISI 304 SS
Shaft	① AISI 304 SS ② 2Cr13
Bearing	① NSK ② C&U
Seal lubricant oil	10# food-grade lubricant oil

Performance Curves

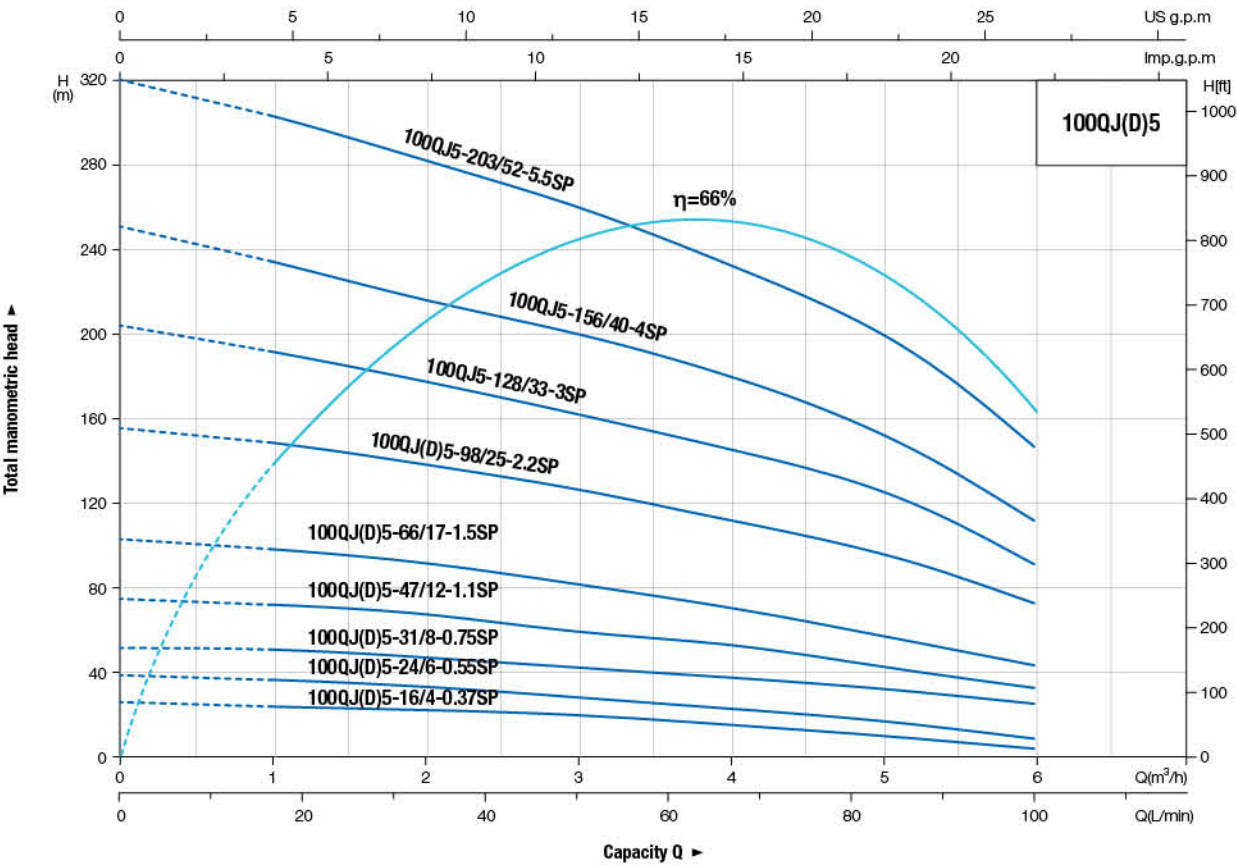


Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	1.5	2	2.5
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	25	33	42
100QJD2-35/9-0.37SP	100QJ2-35/9-0.37SP	0.37	0.5	H(m)	55	45	35	30
100QJD2-50/13-0.55SP	100QJ2-50/13-0.55SP	0.55	0.75		80	64	50	44
100QJD2-70/18-0.75SP	100QJ2-70/18-0.75SP	0.75	1		110	89	70	66
100QJD2-90/23-1.1SP	100QJ2-90/23-1.1SP	1.1	1.5		141	114	90	77
100QJD2-128/33-1.5SP	100QJ2-128/33-1.5SP	1.5	2		202	163	128	111
100QJD2-187/48-2.2SP	100QJ2-187/48-2.2SP	2.2	3		294	237	187	161
-	100QJ2-215/55-3SP	3	4		336	272	215	185

Model		Power		Q(m³/h)	0	1	2	3	4
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	17	33	50	67
100QJD3-25/6-0.37SP	100QJ3-25/6-0.37SP	0.37	0.5	H(m)	38	34	31	25	14
100QJD3-37/9-0.55SP	100QJ3-37/9-0.55SP	0.55	0.75		57	51	46	37	22
100QJD3-49/12-0.75SP	100QJ3-49/12-0.75SP	0.75	1		76	69	61	49	29
100QJD3-74/18-1.1SP	100QJ3-74/18-1.1SP	1.1	1.5		113	103	92	74	43
100QJD3-103/25-1.5SP	100QJ3-103/25-1.5SP	1.5	2		158	143	128	103	60
100QJD3-131/32-2.2SP	100QJ3-131/32-2.2SP	2.2	3		202	183	163	131	77
-	100QJ3-180/44-3SP	3	4		277	251	224	180	106

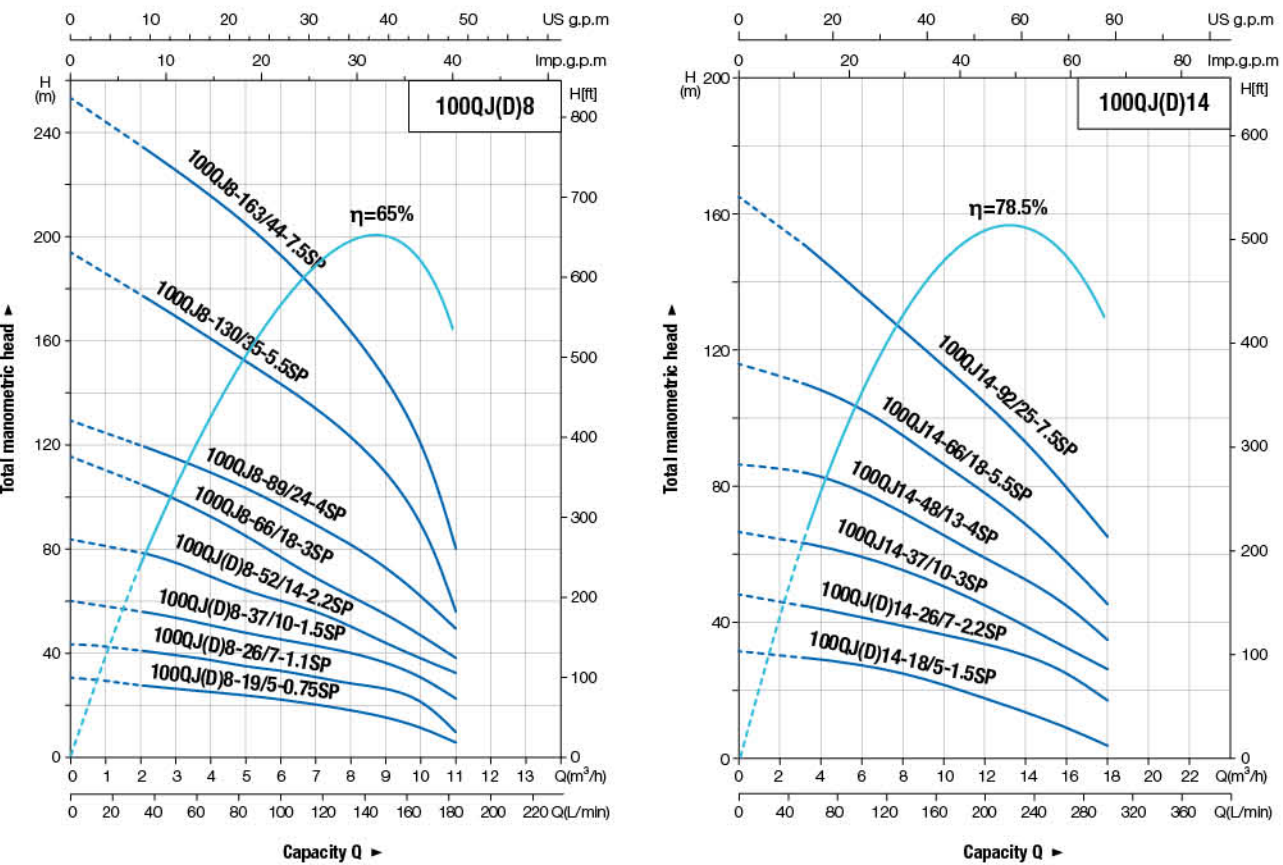
Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	3	4	5	6
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	50	67	83	100
100QJD5-16/4-0.37SP	100QJ5-16/4-0.37SP	0.37	0.5	H(m)	25	20	18	16	12
100QJD5-24/6-0.55SP	100QJ5-24/6-0.55SP	0.55	0.75		38	30	27	24	17
100QJD5-31/8-0.75SP	100QJ5-31/8-0.75SP	0.75	1		50	40	36	31	23
100QJD5-47/12-1.1SP	100QJ5-47/12-1.1SP	1.1	1.5		76	59	54	47	34
100QJD5-66/17-1.5SP	100QJ5-66/17-1.5SP	1.5	2		107	84	76	66	48
100QJD5-98/25-2.2SP	100QJ5-98/25-2.2SP	2.2	3		158	124	112	98	72
-	100QJ5-128/33-3SP	3	4		208	163	148	128	91
-	100QJ5-156/40-4SP	4	5.5		252	198	179	156	110
-	100QJ5-203/52-5.5SP	5.5	7.5		326	260	234	203	146

Performance Curves



Technical Table n=2850 r/min

Model		Power		Q(m³/h)	0	3	5	8	10	11
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	50	83	133	167	183
100QJD8-19/5-0.75SP	100QJ8-19/5-0.75SP	0.75	1	H(m)	30	26	24	19	16	10
100QJD8-26/7-1.1SP	100QJ8-26/7-1.1SP	1.1	1.5		42	36	33	26	22	14
100QJD8-37/10-1.5SP	100QJ8-37/10-1.5SP	1.5	2		60	52	50	37	32	21
100QJD8-52/14-2.2SP	100QJ8-52/14-2.2SP	2.2	3		84	72	66	52	43	29
-	100QJ8-66/18-3SP	3	4		108	93	85	66	54	37
-	100QJ8-89/24-4SP	4	5.5		126	108	100	89	65	43
-	100QJ8-130/35-5.5SP	5.5	7.5		190	178	160	130	90	54
-	100QJ8-163/44-7.5SP	7.5	10		252	232	205	163	120	79

Model		Power		Q(m³/h)	0	5	10	14	16	18
Single phase (220-240V/50Hz)	Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	83	167	133	267	300
100QJD14-18/5-1.5SP	100QJ14-18/5-1.5SP	1.5	2	H(m)	33	32	28	18	16	13
100QJD14-26/7-2.2SP	100QJ14-26/7-2.2SP	2.2	3		46	45	39	26	23	18
-	100QJ14-37/10-3SP	3	4		66	64	55	37	32	25
-	100QJ14-48/13-4SP	4	5.5		86	83	73	48	42	33
-	100QJ14-66/18-5.5SP	5.5	7.5		119	115	101	66	58	45
-	100QJ14-92/25-7.5SP	7.5	10		165	160	140	92	80	63

Installation Method and Size

Model		Outlet		Dimensions (mm)						N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD2-35/9-0.37SP	100QJ2-35/9-0.37SP	G1¼"	Φ94	Φ98	739	670	393	324	346	10.7	9.9
100QJD2-50/13-0.55SP	100QJ2-50/13-0.55SP				853	769	423	339	430	12.8	11.5
100QJD2-70/18-0.75SP	100QJ2-70/18-0.75SP				995	889	460	354	535	15.3	13.4
100QJD2-90/23-1.1SP	100QJ2-90/23-1.1SP				1140	1014	500	374	640	18.3	15.6
100QJD2-128/33-1.5SP	100QJ2-128/33-1.5SP				1415	1264	565	414	850	22.5	19.6
100QJD2-187/48-2.2SP	100QJ2-187/48-2.2SP				1851	1660	686	495	1165	30.6	25.9
-	100QJ2-215/55-3SP				-	1882	-	570	1312	-	18.9

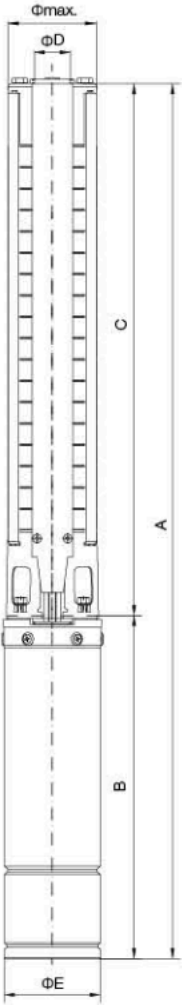
Model		Outlet		Dimensions (mm)						N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD3-25/6-0.37SP	100QJ3-25/6-0.37SP	G1¼"	Φ94	Φ98	676	607	393	324	283	10.0	10.0
100QJD3-37/9-0.55SP	100QJ3-37/9-0.55SP				769	685	423	339	346	12.0	12.0
100QJD3-49/12-0.75SP	100QJ3-49/12-0.75SP				869	763	460	354	409	14.0	14.0
100QJD3-74/18-1.1SP	100QJ3-74/18-1.1SP				1035	909	500	374	535	17.3	17.3
100QJD3-103/25-1.5SP	100QJ3-103/25-1.5SP				1247	1096	565	414	682	20.8	20.8
100QJD3-131/32-2.2SP	100QJ3-131/32-2.2SP				1515	1324	686	495	829	27.2	27.2
-	100QJ3-180/44-3SP				-	1651	-	570	1081	-	28.5

Model		Outlet		Dimensions (mm)						N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD5-16/4-0.37SP	100QJ5-16/4-0.37SP	G1¼"	Φ94	Φ98	646	577	393	324	253	9.7	8.9
100QJD5-24/6-0.55SP	100QJ5-24/6-0.55SP				724	640	423	339	301	11.5	10.2
100QJD5-31/8-0.75SP	100QJ5-31/8-0.75SP				809	703	460	354	349	13.4	11.5
100QJD5-47/12-1.1SP	100QJ5-47/12-1.1SP				945	819	500	374	445	16.3	13.6
100QJD5-66/17-1.5SP	100QJ5-66/17-1.5SP				1130	979	565	414	565	19.5	16.6
100QJD5-98/25-2.2SP	100QJ5-98/25-2.2SP				1443	1252	686	495	757	26.3	21.6
-	100QJ5-128/33-3SP				-	1519	-	570	949	-	27.0
-	100QJ5-156/40-4SP				-	1767	-	650	1117	-	32.3
-	100QJ5-203/52-5.5SP				-	2185	-	780	1405	-	42.7

Model		Outlet		Dimensions (mm)						N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD8-19/5-0.75SP	100QJ8-19/5-0.75SP	G2"	Φ94	Φ98	886	780	460	354	426	14.4	12.5
100QJD8-26/7-1.1SP	100QJ8-26/7-1.1SP				1010	884	500	374	510	17.2	14.5
100QJD8-37/10-1.5SP	100QJ8-37/10-1.5SP				1201	1050	565	414	636	20.6	17.7
100QJD8-52/14-2.2SP	100QJ8-52/14-2.2SP				1490	1299	686	495	804	27.3	22.6
-	100QJ8-66/18-3SP				-	1542	-	570	972	-	27.9
-	100QJ8-89/24-4SP				-	1874	-	650	1224	-	34.3
-	100QJ8-130/35-5.5SP				-	2466	-	780	1686	-	46.8
-	100QJ8-163/44-7.5SP				-	2944	-	880	2064	-	55.6

Model		Outlet		Dimensions (mm)						N.W. / kg	
1~ 220~240V/50Hz	3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(S)	A(T)	B(S)	B(T)	C	1~	3~
100QJD14-18/5-1.5SP	100QJ14-18/5-1.5SP	G2"	Φ94	Φ98	991	840	565	414	426	18.3	15.4
100QJD14-26/7-2.2SP	100QJ14-26/7-2.2SP				1196	1005	686	495	510	24.1	19.4
-	100QJ14-37/10-3SP				-	1206	-	570	636	-	24.2
-	100QJ14-48/13-4SP				-	1412	-	650	762	-	29.2
-	100QJ14-66/18-5.5SP				-	1752	-	780	972	-	38.9
-	100QJ14-92/25-7.5SP				-	2146	-	880	1266	-	46.8

* S stands for single phase, T stands for three phase



150QJ(D)-SP

Stainless Steel Deep Well Pump



Application

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating Limits

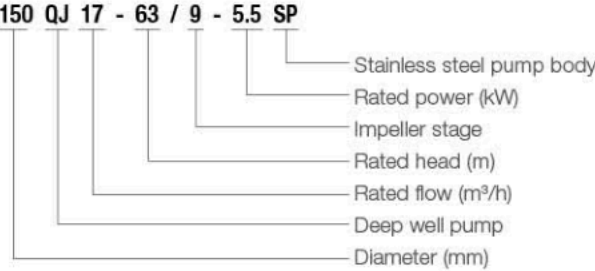
Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum immersion: 80m
Minimum well diameter: 6"

Motor and Pump

Rewindable oil-filled motor
NEMA dimension standards
Three-phase: 380~415V/50Hz
Single-phase: 220~240V/50Hz
Pumps are designed by casing stressed
Protection class: IP68
Insulation class: F

One Year Warranty

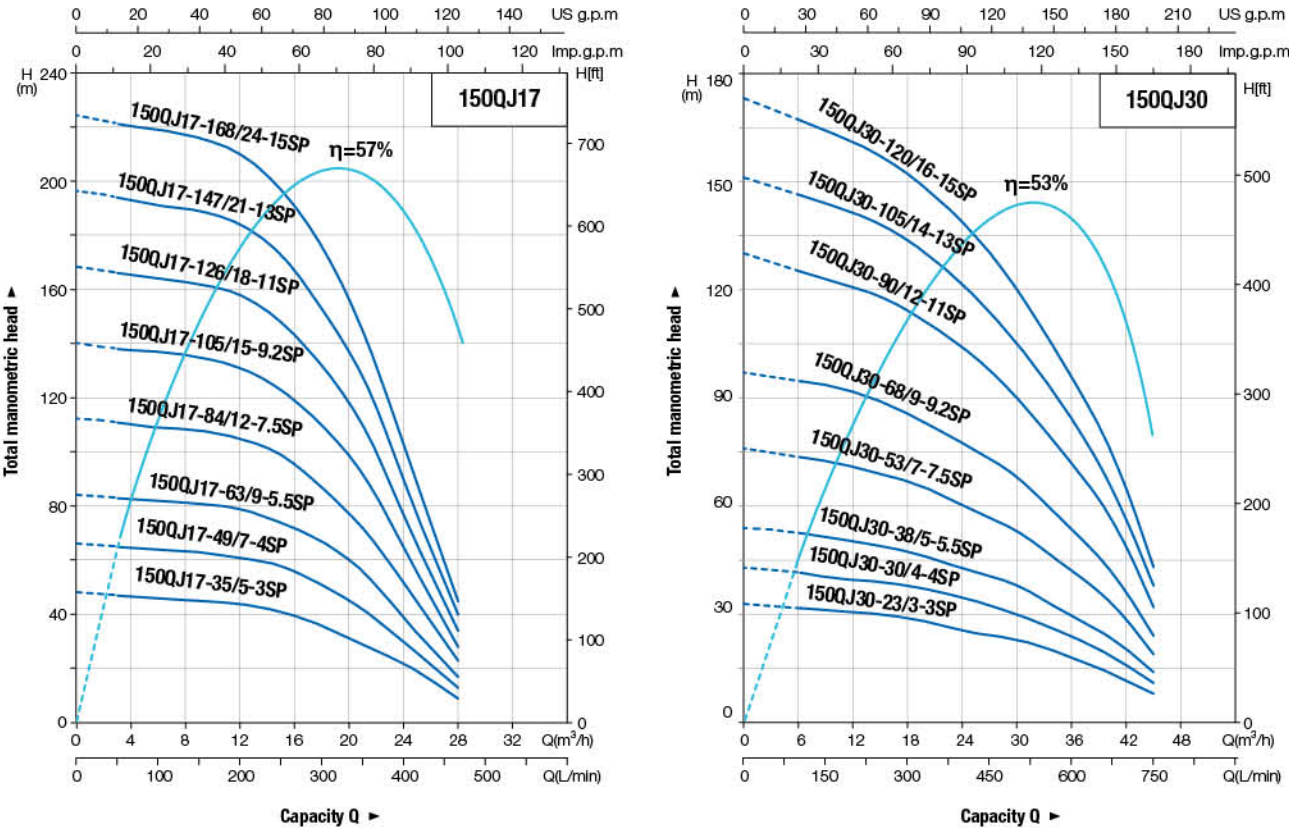
Model Instruction



Model Analysis

Component	Material	
Pump external casing	① AISI 304 SS	② AISI 201 SS
Pump outlet	AISI 304 SS	
Pump inlet	AISI 304 SS	
Diffuser	AISI 304 SS	
Diffuser cover	AISI 304 SS	
Impeller	AISI 304 SS	
Shaft	AISI 304 SS	
Shaft coupling	① AISI 304 SS	② 2Cr13
Motor external casing	① AISI 304 SS	② AISI 201 SS
Upper bearing seat	① Cast-Cu	② Cast-iron
Bottom bearing seat	HT200	
Mechanical seal	Ceramics-graphite	
Bottom cover	AISI 304 SS	
Shaft	① AISI 304 SS	② 2Cr13
Bearing	① NSK	② C&U
Seal lubricant oil	10# food-grade lubricant oil	

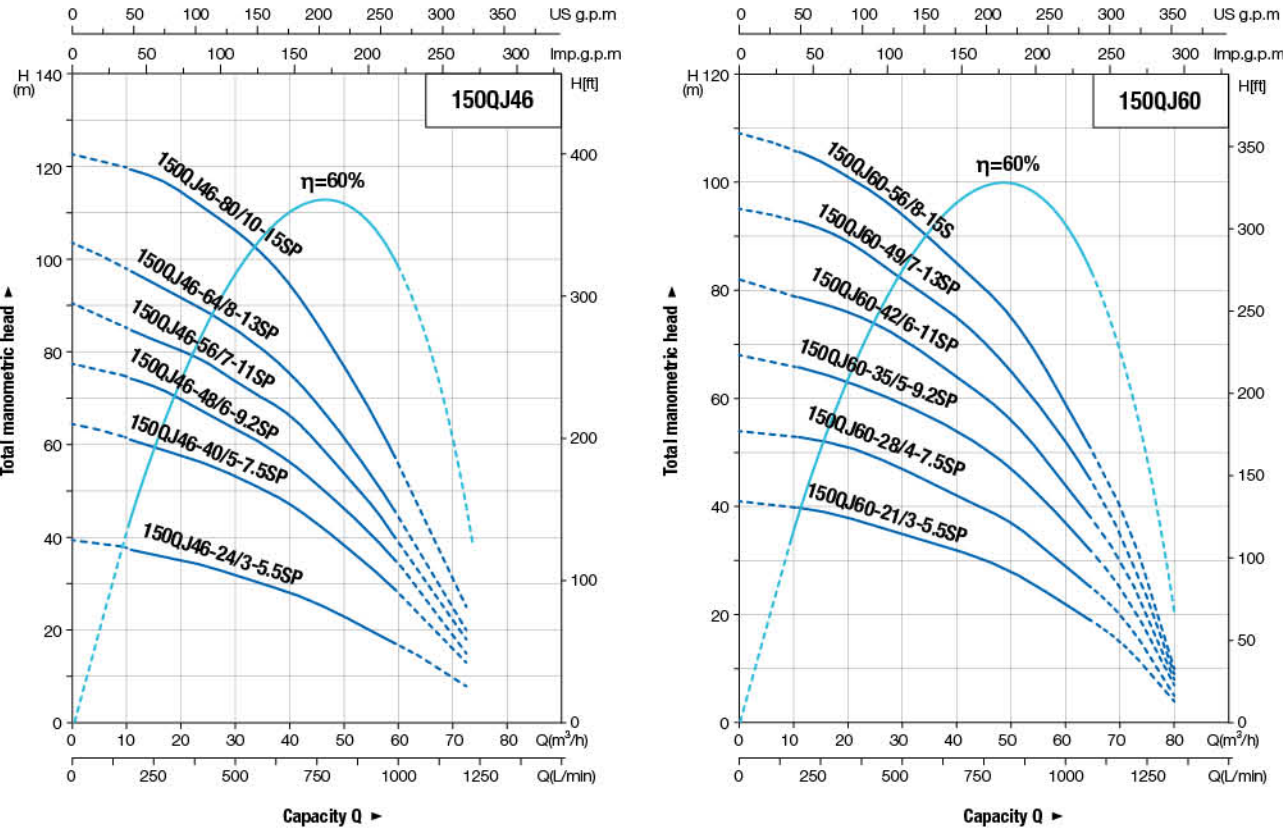
Performance Curves



Technical Table n=2850 r/min

Model	Power		Q(m³/h)	0	3	6	9	12	15	18	21	24	28
Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	50	100	150	200	250	300	350	400	450
150QJ17-35/5-3SP	3	4	H(m)	48	47	46	45	44	41	34	29	22	9
150QJ17-49/7-4SP	4	5.5		66	65	64	63	61	58	48	40	30	13
150QJ17-63/9-5.5SP	5.5	7.5		84	83	82	81	79	74	62	52	39	17
150QJ17-84/12-7.5SP	7.5	10		112	111	109	108	105	99	83	69	52	23
150QJ17-105/15-9.2SP	9.2	12.5		140	138	137	135	131	123	104	87	65	28
150QJ17-126/18-11SP	11	15		168	166	164	162	158	148	125	104	77	34
150QJ17-147/21-13SP	13	17.5		196	194	191	189	184	173	146	121	90	40
150QJ17-168/24-15SP	15	20		224	221	219	216	210	197	167	139	103	45
Model	Power		Q(m³/h)	0	5	10	15	20	25	30	35	40	45
Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	83	167	250	333	417	500	583	667	750
150QJ30-23/3-3SP	3	4	H(m)	33	32	31	30	28	25	23	19	14	8
150QJ30-30/4-4SP	4	5.5		43	42	40	39	37	34	30	25	19	11
150QJ30-38/5-5.5SP	5.5	7.5		54	53	50	49	46	42	38	31	24	14
150QJ30-53/7-7.5SP	7.5	10		76	74	70	69	65	59	53	44	34	19
150QJ30-68/9-9.2SP	9.2	12.5		97	95	90	89	83	76	68	56	43	24
150QJ30-90/12-11SP	11	15		130	126	119	118	111	102	90	75	58	32
150QJ30-105/14-13SP	13	17.5		151	147	139	138	130	119	105	88	67	38
150QJ30-120/16-15SP	15	20		173	168	158	157	148	136	120	100	77	43

Performance Curves



Technical Table n=2850 r/min

Model	Power		Q(m³/h)	0	8	16	24	32	40	48	56	64	72
Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	133	267	400	533	667	800	933	1067	1200
150QJ46-24/3-5.5SP	5.5	7.5	H(m)	39	36	35	33	31	28	23	19	14	8
150QJ46-40/5-7.5SP	7.5	10		64	62	58	55	52	47	39	32	23	13
150QJ46-48/6-9.2SP	9.2	12.5		77	72	70	67	62	56	47	39	28	15
150QJ46-56/7-11SP	11	15		90	84	82	78	72	66	55	45	31	18
150QJ46-64/8-13SP	13	17.5		103	96	93	89	83	75	63	51	36	20
150QJ46-80/10-15SP	15	20		128	120	117	111	104	94	79	64	45	25

Model	Power		Q(m³/h)	0	10	20	30	40	50	60	70	80
Three phase (380-415V/50Hz)	kW	HP	Q(l/min)	0	167	267	500	667	833	1000	1167	1333
150QJ60-21/3-5.5SP	5.5	7.5	H(m)	41	40	38	35	31	28	21	15	4
150QJ60-28/4-7.5SP	7.5	10		54	53	50	47	41	37	28	20	5
150QJ60-35/5-9.2SP	9.2	12.5		68	66	63	59	52	47	35	25	7
150QJ60-42/6-11SP	11	15		82	79	76	70	62	56	42	30	8
150QJ60-49/7-13SP	13	17.5		95	93	88	82	73	65	49	35	9
150QJ60-56/8-15S	15	20		109	106	101	94	83	75	56	40	10

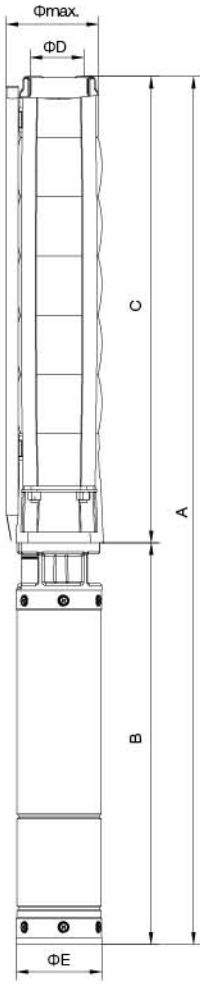
Installation Method and Size

Model	Outlet	Dimensions (mm)					N.W.
3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(T)	B(T)	C	kg
150QJ17-35/5-3SP	G3"	Φ137	Φ145	1103	611	492	35.0
150QJ17-49/7-4SP				1215	631	584	39.3
150QJ17-63/9-5.5SP				1362	686	676	46.0
150QJ17-84/12-7SP				1560	746	814	53.6
150QJ17-105/15-9.2SP				1783	831	952	64.6
150QJ17-126/18-11SP				1986	896	1090	72.4
150QJ17-147/21-13SP				2174	946	1228	79.8
150QJ17-168/24-15SP				2362	996	1366	86.8

Model	Outlet	Dimensions (mm)					N.W.
3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(T)	B(T)	C	kg
150QJ30-23/3-3SP	G3"	Φ137	Φ145	1143	611	532	35.3
150QJ30-30/4-4SP				1253	631	622	39.4
150QJ30-38/5-5.5SP				1398	686	712	45.9
150QJ30-53/7-7.5SP				1638	746	892	54.0
150QJ30-68/9-9.2SP				1903	831	1072	65.6
150QJ30-90/12-311SP				2238	896	1342	75.7
150QJ30-105/14-13SP				2468	946	1522	83.6
150QJ30-120/16-15SP				2698	996	1702	91.2

Model	Outlet	Dimensions (mm)					N.W.
3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(T)	B(T)	C	kg
150QJ46-24/3-5.5SP	G3"	Φ137	Φ145	1284	686	598	43.8
150QJ46-40/5-7.5SP				1568	746	822	53.0
150QJ46-48/6-9.2SP				1765	831	934	63.3
150QJ46-56/7-11SP				1942	896	1046	70.3
150QJ46-64/8-13SP				2104	946	1158	77.0
150QJ46-80/10-15SP				2378	996	1382	85.6

Model	Outlet	Dimensions (mm)					N.W.
3~ 380~415V/50Hz	DN	ΦE	ΦMax.	A(T)	B(T)	C	kg
150QJ60-21/3-5.5SP	G3"	Φ137	Φ145	1284	686	598	43.6
150QJ60-28/4-7.5SP				1456	746	710	50.4
150QJ60-35/5-9.2SP				1653	831	822	60.6
150QJ60-42/6-11SP				1830	896	934	67.6
150QJ60-49/7-13SP				1992	946	1046	74.2
150QJ60-56/8-15SP				2154	996	1158	80.4



BASIC CONCEPTS & INFORMATION

1. Tips for deep well pumps' selection

Many customers have chosen the wrong model of deep well pumps, which would cause the too large flow and not able to reach the required head. Or the actual head is significantly higher than the required head, resulting in problems such as more power consumption, etc.

In the process of deep well pump selection, the following issues need to be considered:

- A new well? If yes, there may be more sand in it which can caused pump stuck.
- How about the water resource?
- The water level condition?
- Functions required?

2. Key factors considered

Key factors considered	Details	Factors
Water source	Water level, water quality, water temperature, geographical environment	pump type, material
Power supply	Voltage, frequency, cable length, transformer power	pump power, frequency
Basic requirements	Flow, head or pressure	Pump model
Functions requirement	Automatic control according to temperature, water level, pressure, auto start & stop, etc.	Pump accessories
Safety protection	Safety protection of humans and animals	leakage protector, etc.

3. Tips attention

• Select the right pump model

Select the pump's rated flow and head close to the calculated value, which is efficient and power-saving. If you choose a high-head pump and use in low head, it will lead to large flow and high power, overload and overheating of the motor or even burn out (vortex pump is opposite to screw pump, the low-head motor is labor-saving).

• When the cable is slender or the Voltage is low

Select a three-phase electric pump or a low-power electric pump. In this way, the current is small, the line Voltage drop is small, and the motor won't overheat.

4. Operation condition

4.1 Power Requirements:

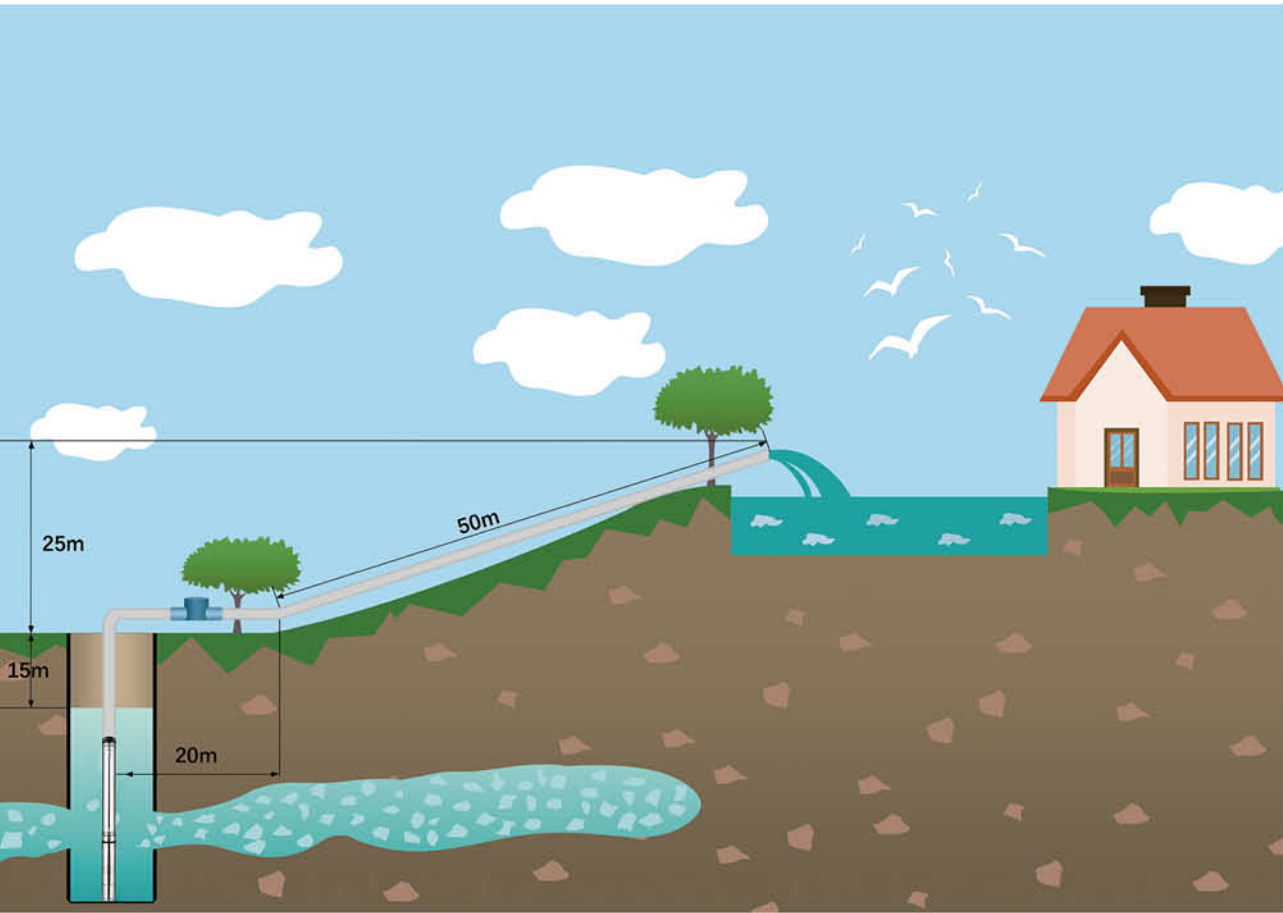
- The rated frequency is 50 Hz, the Voltage is single-phase 220V, three-phase 380V, and the Voltage fluctuation range is ±5% of the rated value;
- The load power of the transformer should not exceed 75% of its capacity;
- When the transformer is far away from the well, the Voltage drop of the transmission line should be considered, and the distance from the transformer to the well head should not exceed 20 meters. drop. If it is greater than 20 meters, the specification of the transmission line is required to be two grades larger than that of the distribution cable, and the line Voltage drop should be considered.

4.2 Liquid requirements:

- Generally non-corrosive clean water;
- The sand content in water is not more than 0.01% (mass ratio);
- The pH value: 6.5~8.5;
- The hydrogen sulfide content is not more than 1.5 mg/L;
- The water temperature is not higher than 35°C .

BASIC CONCEPTS & INFORMATION

5. Calculation & Selection



In the figure above, the H0 dynamic water level is 15m (the distance between the water surface and the ground), the flat bottom distance is 20m, the slope length is 50m, the vertical height of the H1 pool is 25m, and the H2 pipeline loss (every 100m pipeline will lose 3m of head)

1. Flow selection: According to customer needs. (1 , 2 , 3 , 4 , 6 , 8 , 10 , 12 , 16 ...)
2. Calculate the lift: $H=H0+H1+H2=15+25+(15+20+50)/100*3=42.55m$
3. Considering the change of water level and the wear of pump body parts, it is recommended to reserve a margin of about 20%, so it is recommended to choose $HZ=42.55*1.2=51m$ for the final lift.
4. Refer to Dayuan Deep Well Pump catalogue (QJD series), the proper model shall be : **100QJD2-60/11-0.75YD**