

PADOVA[®]

SUBMERSIBLE DEEP WELL PUMP

50 Hz GENERAL CATALOGUE

2.5" - 3"
SR SERIES

**Include Cable Power
and
Without Cable Power**



2.5SR

2.5" Submersible Deep Well Pump

Applications

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

Operating conditions

Maximum fluid temperature up to +35°C.
 Maximum sand content : 0.25%
2.5SR Minimum well diameter : 2.5"

Motor and pump

Rewindable motor
 Single-phase : 220V- 240V /50HZ
 Equip with start control box or digital-auto-control box
 Pumps are designed by casing stressed

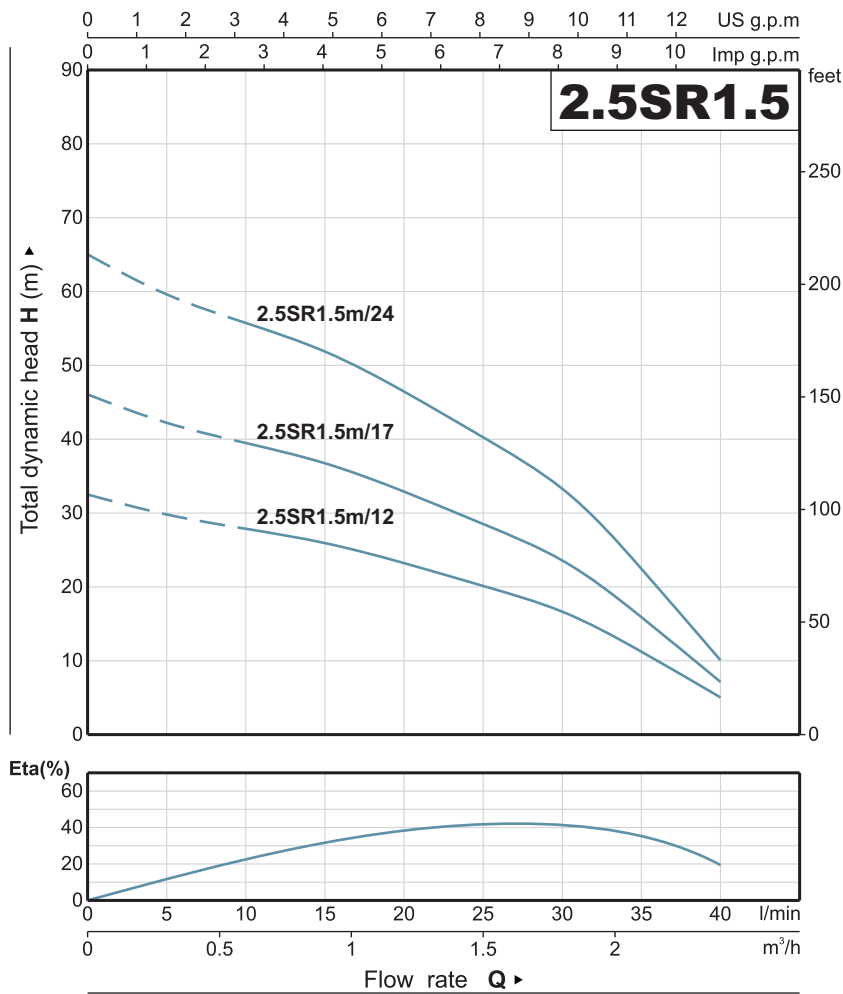
Motor Complete with:

- 30 mtr power cable for 0.18 kW
 - 30 mtr power cable for 0.25 kW
 - 30 mtr power cable for 0.37 kW
- All models comes with cable



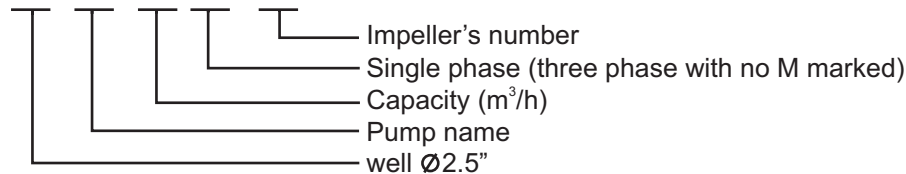
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① AISI 304 SS
	② Cast-iron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

● CHARACTERISTIC CURVES



● NOMENCLATURE

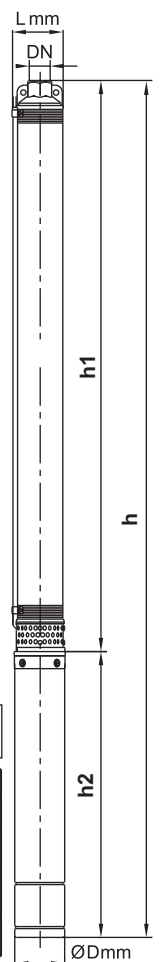
2.5 SR 1.5 m / 12



● PERFORMANCE DATA 50HZ

2.5SR1.5

MODEL	POWER P2		Q	Flow rate										Out life Pipe (DN)	Dimensions (mm)				Berat (Kg)		
	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4		h1	h2	h	øD	L	h1	h2
2.5SR1.5m/12	0.18	0.25	H(m)	33	30	28	26	23	20	17	11	5	1"	437	445	882	ø65	66	3.3	6.9	10.2
2.5SR1.5m/17	0.25	0.33		46	42	39	37	33	29	24	16	7	1"	570	578	1148	ø65	66	3.8	7.6	11.4
2.5SR1.5m/24	0.37	0.5		65	60	56	52	46	40	33	22	10	1"	779	787	1546	ø65	66	4.1	8.2	12.3



3SR

3" Submersible Deep Well Pump

Applications

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

Operating conditions

Maximum fluid temperature up to +35°C.
 Maximum sand content : 0.25%
 Maximum immersion : 80m.
 Minimum well diameter : 3 "

Motor and pump

Rewindable motor
 Single-phase : 220V- 240V /50HZ
 Three-phase : 380V - 415V /50HZ
 Equip with start control box or digital-
 auto-control box
 Pumps are designed by casing stressed

Motor Complete with:

- 30 mtr power cable for 0.18 kW
- 30 mtr power cable for 0.25 kW
- 30 mtr power cable for 0.37 kW
- 40 mtr power cable for 0.55 kW
- 50 mtr power cable for 0.75 kW
- 50 mtr power cable for 1.1 kW

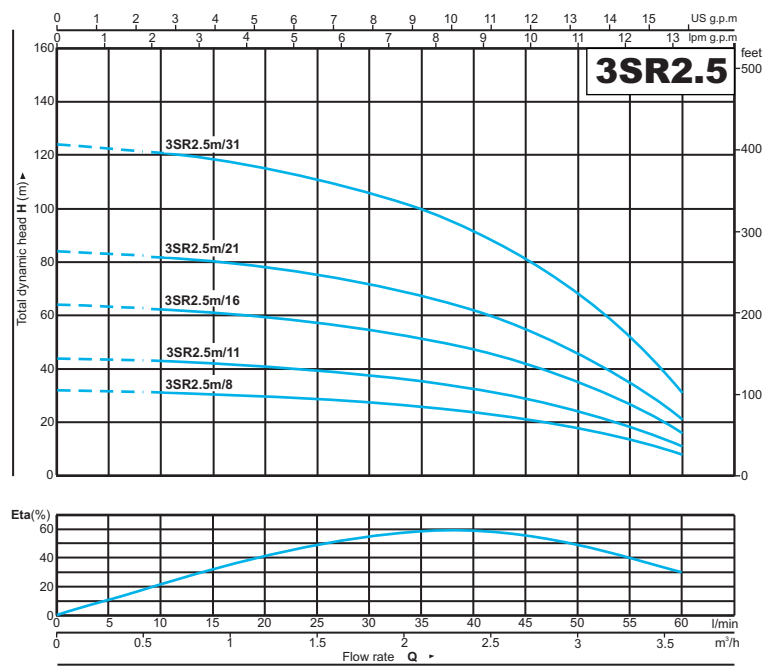
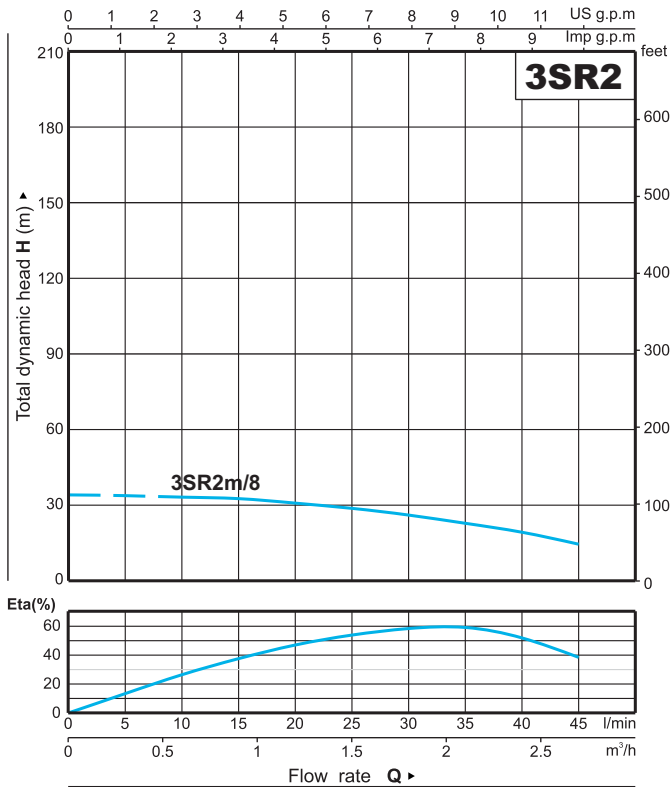
Pump also available Without Cable Power



Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
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 AISI 304 SS 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
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

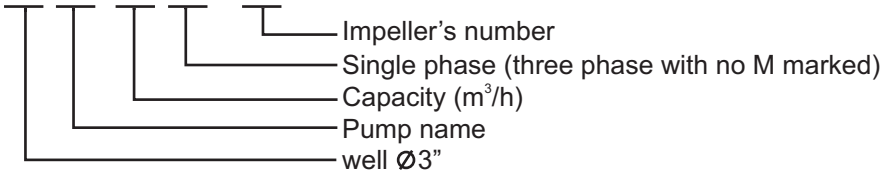


Without Cable Power



● NOMENCLATURE

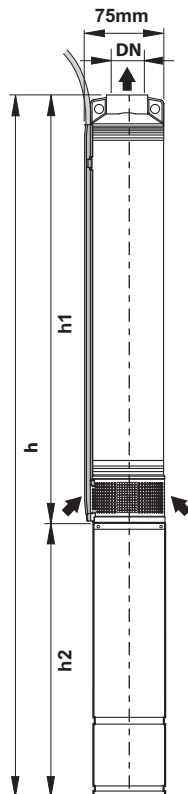
3 SR 2 m / 8



● PERFORMANCE DATA 50HZ

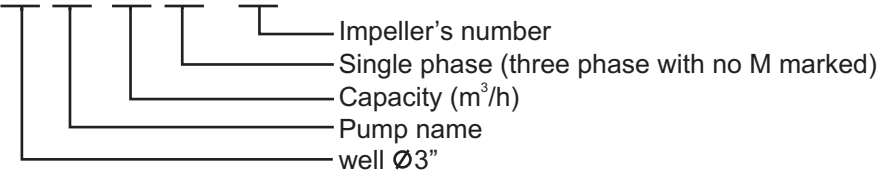
MODEL	POWER P2		Q	Flow rate												Out lite Pipe (DN)	Dimensions (mm)			Berat (Kg)		
	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3		3.6	h1	h2	h	h1	h2
3SR2m/8	0.18	0.25	H(m)	34	34	33	33	31	29	26	23	19	14	1"	377	288	665	1.8	4.0	5.8		

3SR2



● NOMENCLATURE

3 SR 2.5 m / 11

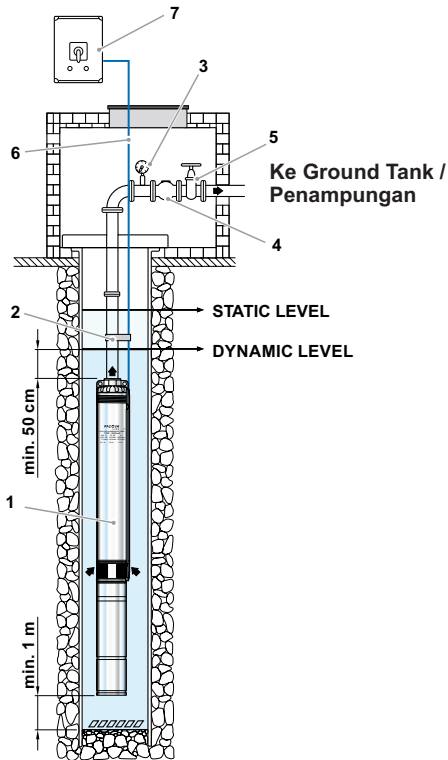


● PERFORMANCE DATA 50HZ

MODEL	POWER P2		Q	Flow rate												Out lite Pipe (DN)	Dimensions (mm)			Berat (Kg)			
	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3		3.6	h1	h2	h	h1	h2	h
3SR2.5m/8	0.25	0.33	H(m)	32	32	32	31	30	29	28	27	26	23	20	16	12	1"	405	308	713	1.8	4.8	6.6
3SR2.5m/11	0.37	0.5		44	44	43	43	41	40	39	37	35	31	27	22	16	1"	483	338	821	2.1	5.6	7.7
3SR2.5m/16	0.55	0.75		64	64	63	62	60	59	56	54	51	45	39	32	23	1"	613	368	981	2.5	6.4	8.9
3SR2.5m/21	0.75	1		85	84	83	81	79	77	74	70	67	60	52	43	31	1"	768	408	1176	3.2	7.5	10.7
3SR2.5m/31	1.1	1.5		125	124	122	120	116	114	109	104	99	88	76	63	45	1"	1029	493	1522	4.1	10.0	14.1

3SR2.5

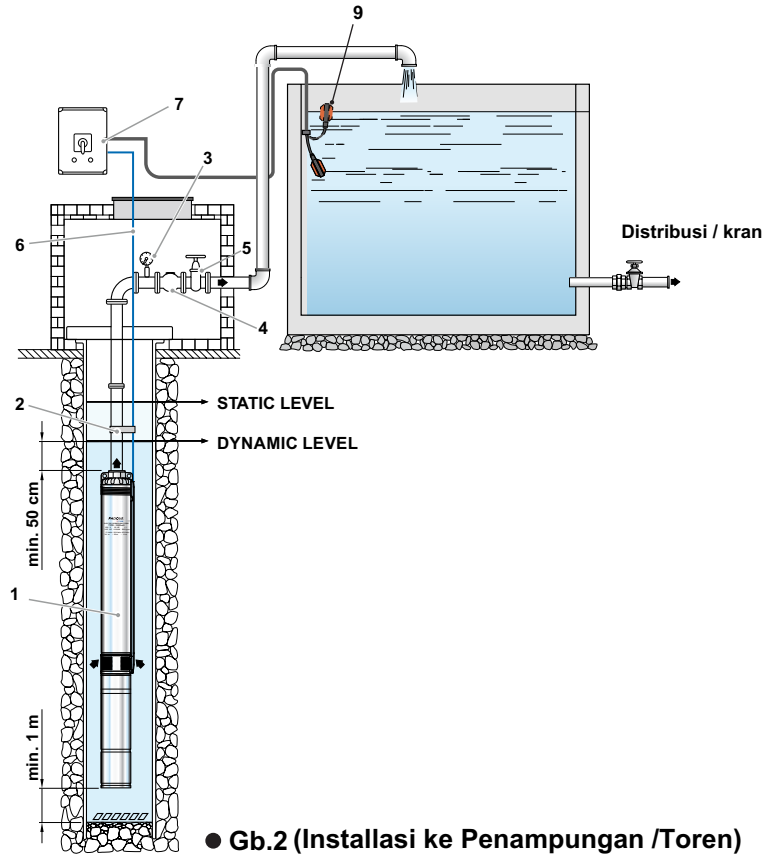
● STANDARD INSTALLATION



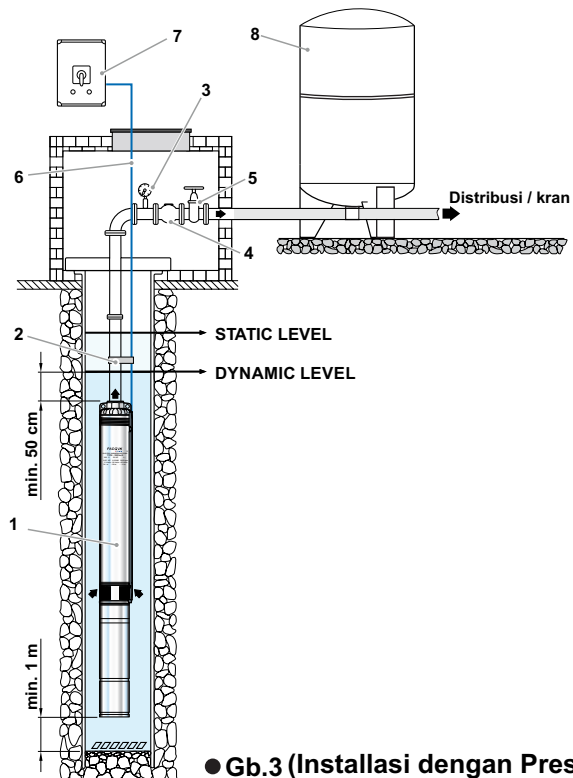
● Gb.1
(Instalasi ke Ground Tank/Penampungan)

● Description :

- 1) Submersible pump
- 2) Power cable clamps
- 3) Pressure gauge
- 4) Non-return valve
- 5) Gate valve; for flow rate regulation
- 6) Power cable
- 7) Control box
- 8) Pressure Tank 19 ltr / 60 ltr
- 9) Float Switch / Saklar Otomatis



● Gb.2 (Instalasi ke Penampungan /Toren)



● Gb.3 (Instalasi dengan Pressure Tank)



PT. ALVA DIWIPA ANUGERAH
Specialist Domestic & Industrial Pump's

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