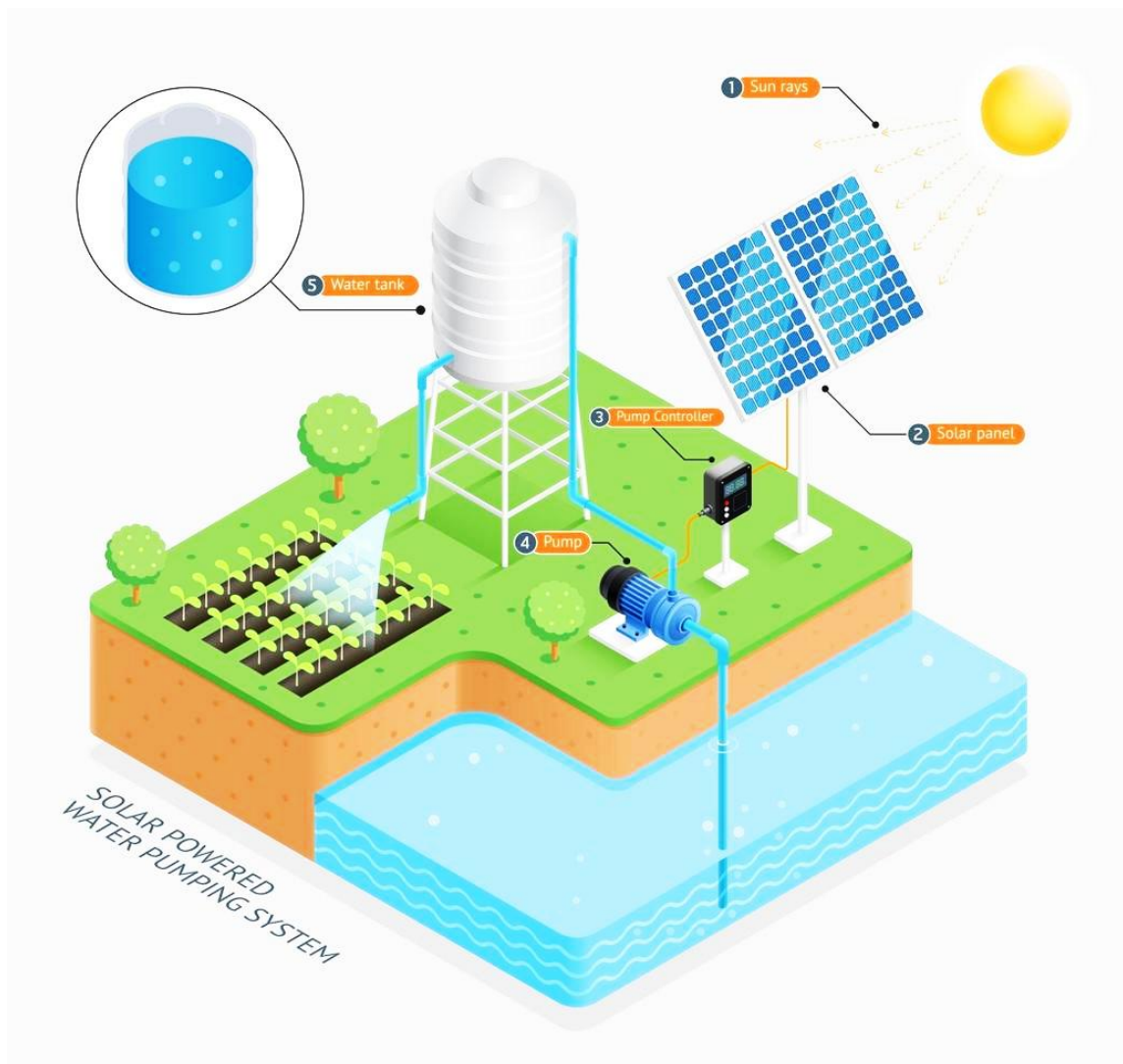


PHOENIX SOLAR WATER PUMPING SYSTEMS FOR GREEN IRRIGATION



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4 Hp Deep Well pump with a 4.3 kW_p PV Array

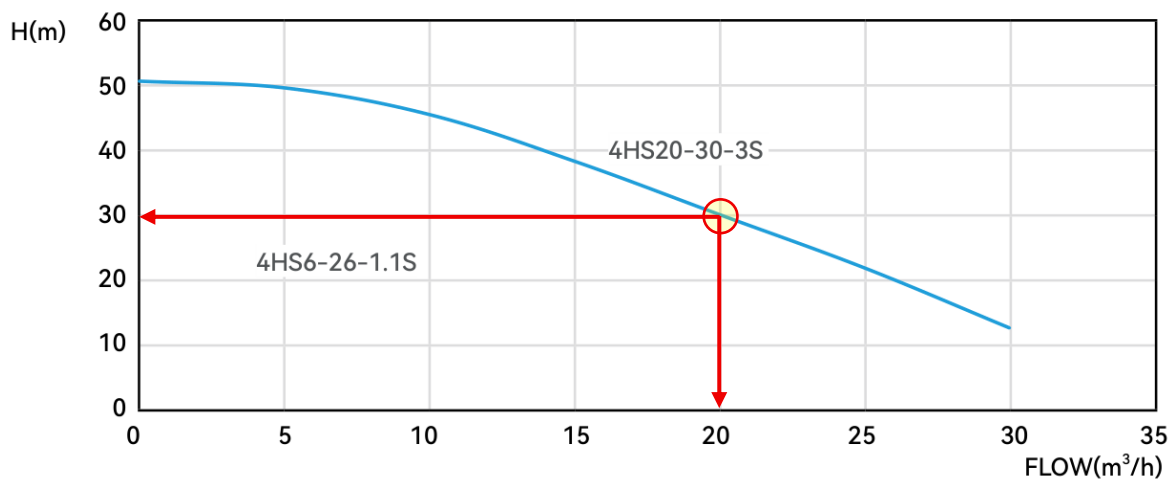
Specifications of the Motor

Motor Type	AC 220V (Single Phase) Induction Motor
Model Number	4HS20-30-3S
Brand	Larens
Rated Power	4 Hp (3 kW)
DC Voltage Range	300 V ~ 460 V
Outlet Diameter	2 Inches
Pump Diameter	4 Inches
Rated RPM	6000 RPM
Rated Head	30 m
Rated Flow Rate	20 m ³ /h \approx 300 l/min
Warranty for the pump	2 Years

Specifications of the Solar PV Array

Brand	Jinko/ Trina or Equivalent
Rated power	620W
No of modules	7 Nos
Total PV Array Power	4.34 kW _p
Mounting Type	Ground Mount with GI Box Bar load bearing structure
Product Warranty	12 Years
Performance Warranty	30 Years

Total System cost Rs. 930,000/-



5.5 Hp Deep Well pump with a 6.2 kW_p PV Array

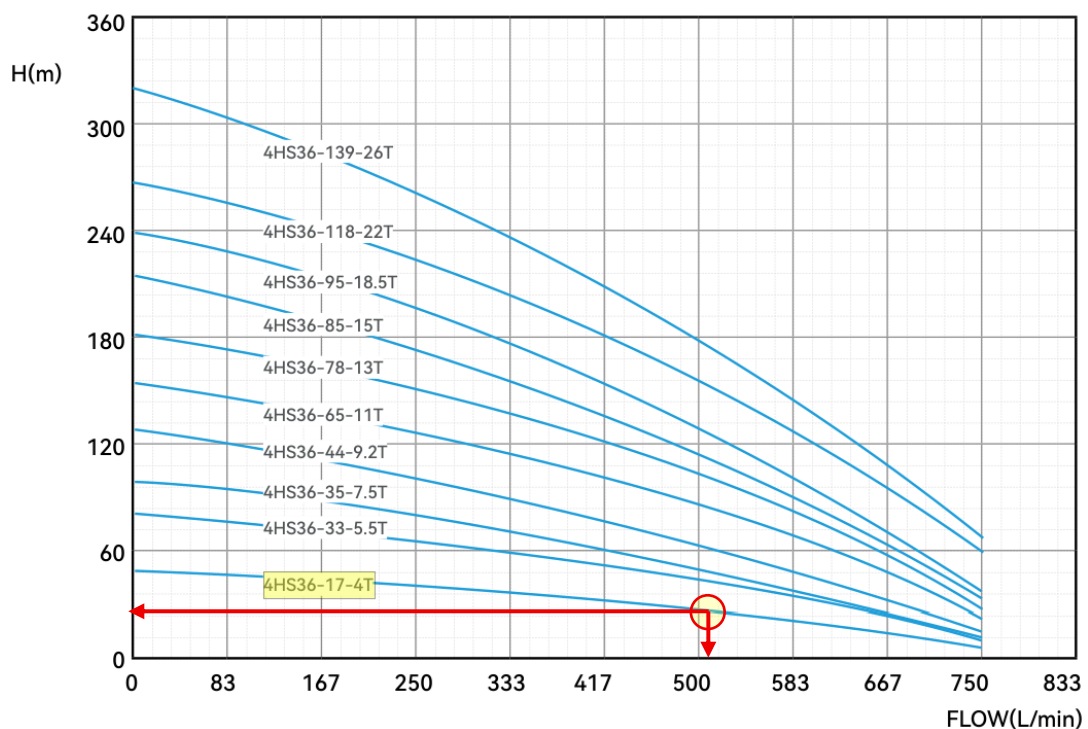
Specifications of the Motor

Motor Type	AC 380V _{LL} (Three Phase) Induction Motor
Model Number	4HS36-17-4T
Brand	Larens
Rated Power	5.5 Hp (4 kW)
DC Voltage Range	150 V ~ 750 V
Outlet Diameter	3 Inches
Pump Diameter	4 Inches
Rated RPM	6000 RPM
Rated Head	17 m
Rated Flow Rate	36 m ³ /h ≈ 550 l/min
Warranty for the pump	2 Years

Specifications of the Solar PV Array

Brand	Jinko/ Trina or Equivalent
Rated power	620W
No of modules	10 Nos
Total PV Array Power	6.2 kW _p
Mounting Type	Ground Mount with GI Box Bar load bearing structure
Product Warranty	12 Years
Performance Warranty	30 Years

Total System cost Rs. 1,230,000/-



7.5 Hp Deep Well pump with a 8.68 kW_p PV Array

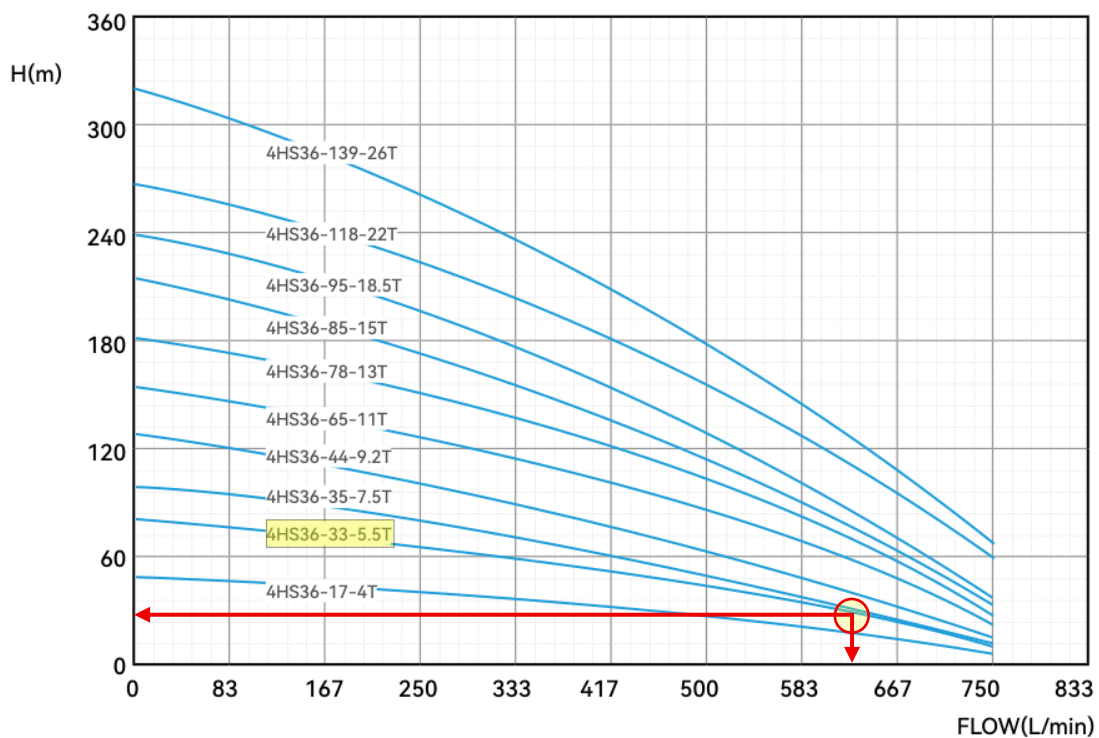
Specifications of the Motor

Motor Type	AC 380V _{LL} (Three Phase) Induction Motor
Model Number	4HS36-33-5.5T
Brand	Larens
Rated Power	7.5 Hp (5.5 kW)
DC Voltage Range	150 V ~ 750 V
Outlet Diameter	3 Inches
Pump Diameter	4 Inches
Rated RPM	6000 RPM
Rated Head	33 m
Rated Flow Rate	36 m ³ /h ≈ 600 l/min
Warranty for the pump	2 Years

Specifications of the Solar PV Array

Brand	Jinko/ Trina or Equivalent
Rated power	620W
No of modules	14 Nos
Total PV Array Power	8.68 kW _p
Mounting Type	Ground Mount with GI Box Bar load bearing structure
Product Warranty	12 Years
Performance Warranty	30 Years

Total System cost Rs. 1,600,000/-



10 Hp Deep Well pump with a 9.9 kW_p PV Array

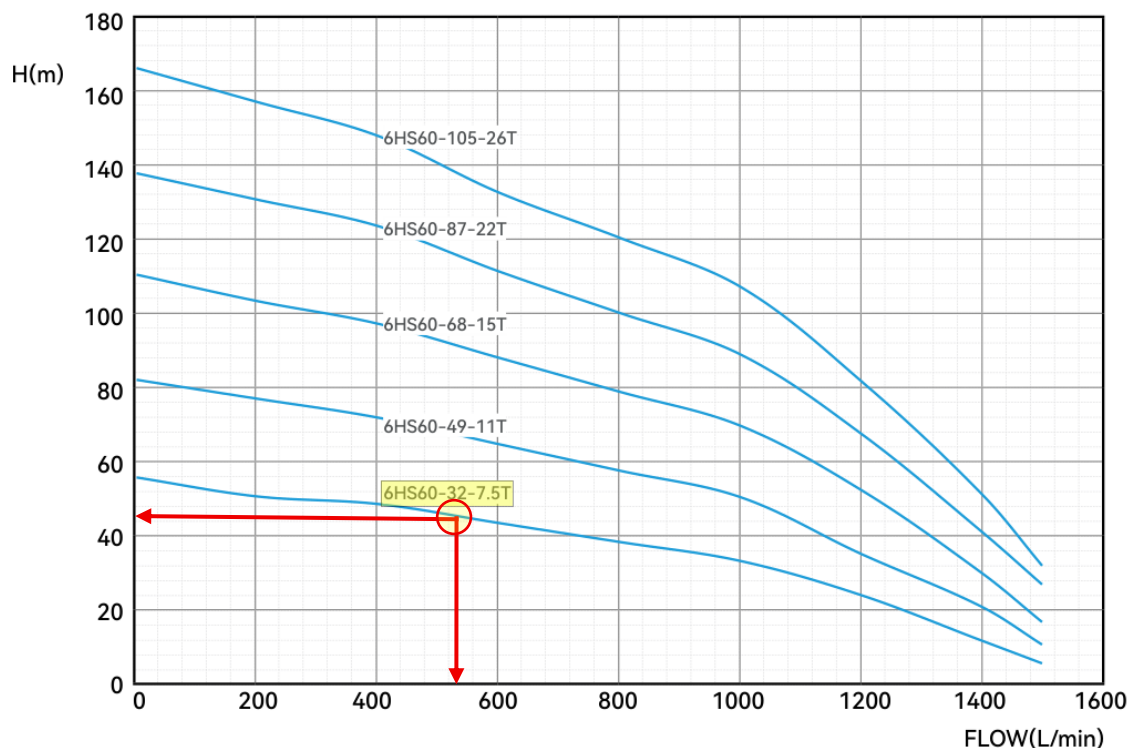
Specifications of the Motor

Motor Type	AC 380V _{LL} (Three Phase) Induction Motor
Model Number	6HS60-32-7.5T
Brand	Larens
Rated Power	10 Hp (7.5 kW)
DC Voltage Range	550 V ~ 750 V
Outlet Diameter	4 Inches
Pump Diameter	6 Inches
Rated RPM	4000 RPM
Rated Head	45 m
Rated Flow Rate	32 m ³ /h ≈ 500 l/min
Warranty for the pump	2 Years

Specifications of the Solar PV Array

Brand	Jinko/ Trina or Equivalent
Rated power	620W
No of modules	16 Nos
Total PV Array Power	9.92 kW _p
Mounting Type	Ground Mount with GI Box Bar load bearing structure
Product Warranty	12 Years
Performance Warranty	30 Years

Total System cost Rs. 2,032,000/-



15 Hp Deep Well pump with a 11.16 kW_p PV Array

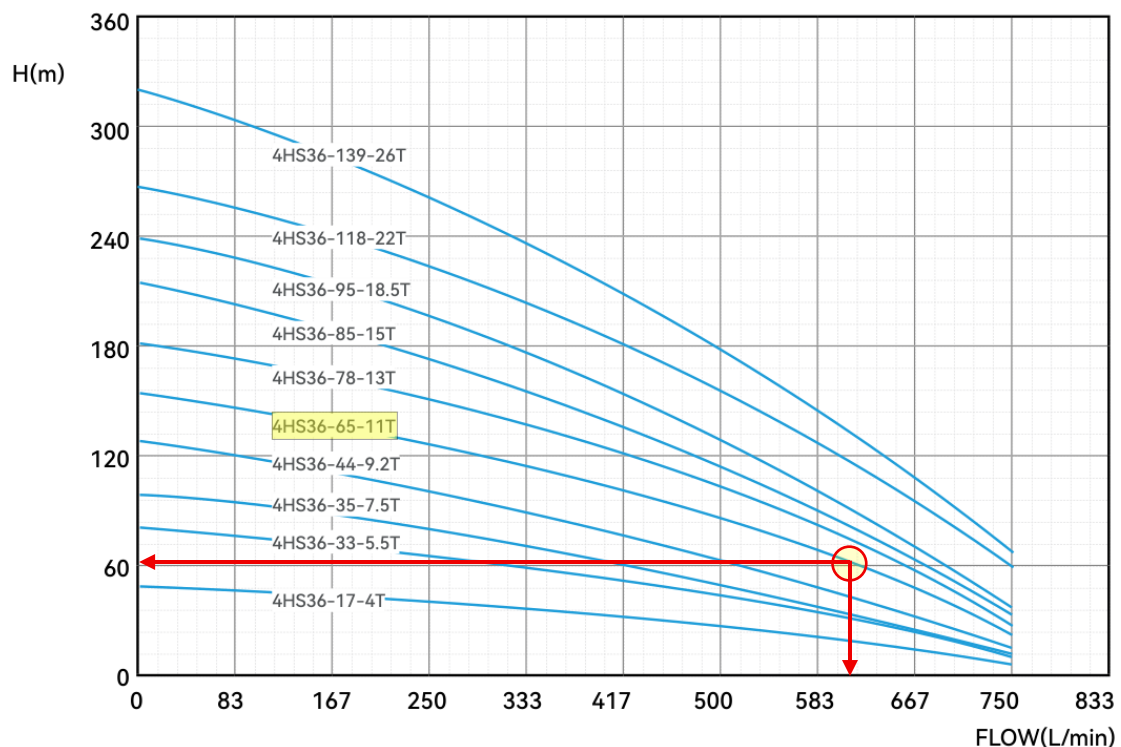
Specifications of the Motor

Motor Type	AC 380V _{LL} (Three Phase) Induction Motor
Model Number	4HS36-65-11T
Brand	Larens
Rated Power	15 Hp (11 kW)
DC Voltage Range	150 V ~ 750 V
Outlet Diameter	3 Inches
Pump Diameter	4 Inches
Rated RPM	6000 RPM
Rated Head	65 m
Rated Flow Rate	36 m ³ /h ≈ 600 l/min
Warranty for the pump	2 Years

Specifications of the Solar PV Array

Brand	Jinko/ Trina or Equivalent
Rated power	620W
No of modules	18 Nos
Total PV Array Power	11.16 kW _p
Mounting Type	Ground Mount with GI Box Bar load bearing structure
Product Warranty	12 Years
Performance Warranty	30 Years

Total System cost Rs. 2,125,000/-



20 Hp Deep Well pump with a 19.84 kW_p PV Array

Specifications of the Motor

Motor Type	AC 380V _{LL} (Three Phase) Induction Motor
Model Number	4HS36-85-15T
Brand	Larens
Rated Power	20 Hp (15 kW)
DC Voltage Range	150 V ~ 750 V
Outlet Diameter	3 Inches
Pump Diameter	4 Inches
Rated RPM	6000 RPM
Rated Head	85 m
Rated Flow Rate	36 m ³ /h ≈ 600 l/min
Warranty for the pump	2 Years

Specifications of the Solar PV Array

Brand	Jinko/ Trina or Equivalent
Rated power	620W
No of modules	32 Nos (2 Parallel strings)
Total PV Array Power	19.84 kW _p
Mounting Type	Ground Mount with GI Box Bar load bearing structure
Product Warranty	12 Years
Performance Warranty	30 Years

Total System cost Rs. 2,900,000/-

