



WEEVPRO WATER & PUMPS SOLUTIONS
Your water technology partner



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Stainless Steel Submersible
Borehole Pumps and Motors



WEEVPRO WATER & PUMPS SOLUTIONS

Your water technology partner



Stainless Steel Submersible Borehole Pumps and Motors

Our Vision Your Future.

VERSIL Pumps have utilized their experience of over 3 decades in pump designing and manufacturing of efficient pumps for the Indian and global markets. The manufacturing unit is located at Rajkot in Gujarat and equipped with the best of the machines available in the global market, ensuring high product quality. Own foundry supplies the castings for pumps. Strict quality control checks ensure high-quality products during the manufacturing process. **VERSIL** pumps are designed, tested and developed for global markets with manufacturing processes focused on consistent high quality of pumps.

OBJECTIVE

With the objective to revolutionize the domestic, industrial and agricultural pumps market, **VERSIL** pumps have launched a wide range of technologically advanced products. The pumps are designed and developed with own research centre are now available for domestic and agriculture use.



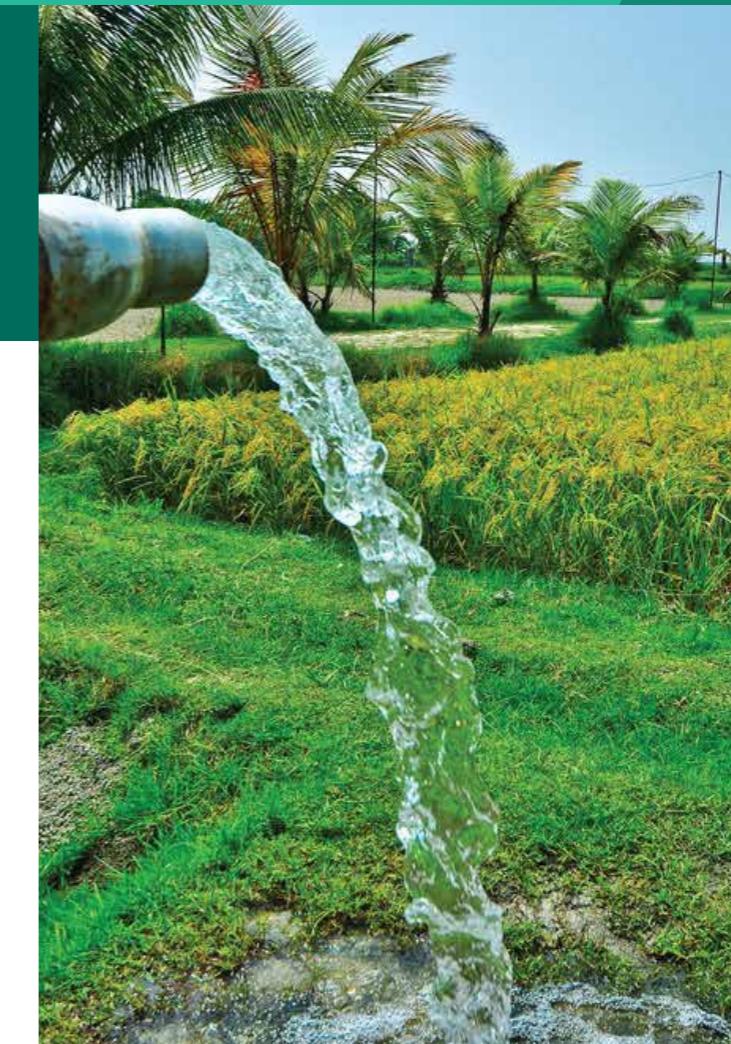
DEVELOPMENT

We have developed Permanent Magnet Synchronous Motor (PMSM) Technology for solar pump application. These fully stainless steel PMSM motors are latest in technology and offer best performance in low voltage working and better efficiency than the regular pumps. These PMSM solar pumps are giving more daily water output and have longer working life cycle. These motors are lightweight and compact in size. These products are available in India now and fulfilling global demand for high technology products.

PRODUCT RANGE

Our product range includes self priming pumps, centrifugal pumps, open well submersible pumps and bore well submersible pumps. We are also manufacturing fully stainless steel fabricated bore well submersible pump sets for solar application along with controller and high pressure vertical inline pumps.

Stainless Steel Submersible Borehole Pumps and Motors



VISION

To be a globally recognized company for excellence, consumer delight and service to the society.

MISSION

To achieve our vision through business ethics, technological innovations, global approach and building long term relationships with all our stakeholders, associates, customers, partners and employees.

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Stainless Steel Submersible Borehole Pumps and Motors

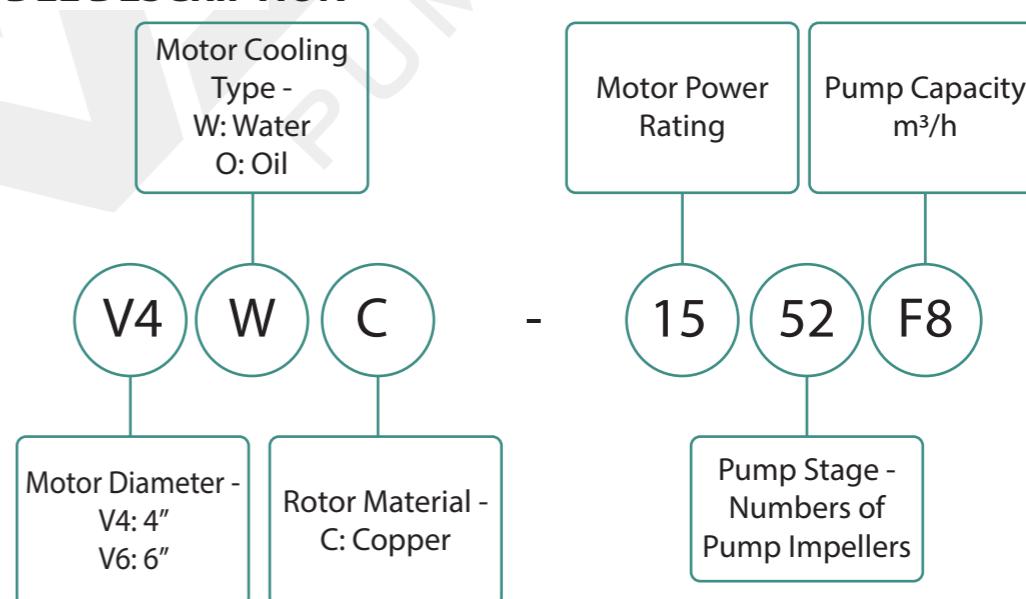
APPLICATIONS



Versil stainless steel pumps are used to fulfill daily water needs. Pumps are used for residential, gardening, farming, irrigation and drinking water supply. The pumps are also used for industrial applications of clean water supply.



MODEL DESCRIPTION



Stainless Steel Submersible Borehole Pumps and Motors

PERFORMANCE CURVE CONDITIONS:

Below mentioned conditions are applicable on the performance curves in the following pages.

- Curve tolerance according to the ISO 9906:2012 3B.
- Values of the performance curve measured at actual load speed; it shows the pump performance.

Rated speed as per the size of motor
4" – 2900 RPM
6" – 2900 RPM

- **Performance curve:** Pump performance at actual speed inclusive of all losses (Q/H).

Liquids For Pumping:

Versil stainless steel pumps are made for clean water supply within the permissible range of solid particles.

Range For Pumping:

Versil pumps offer a wide pumping range in stainless steel pumps with the widest value of Q/H (head and flowrate).

The range of pumps :

Flow rate Q: Upto 65 m³/h
Head range H: Upto 400 meter

Stainless Steel Submersible Borehole Pumps and Motors

PUMP RANGE

Range	Diameter	Recommended Borehole Diameter (mm)	Delivery Size (mm)
F2	101 & 108	105 & 113	32
F3	101	105	32
F5	101 & 142	105 & 150	40
F8	101 & 142	105 & 150	50
F9	101 & 142	105 & 150	50
F17	142	150	65
F30	142	150	80
F46	148	155	80 & 100
F60	148	155	80 & 100

MOTOR RANGE

MOTOR RANGE (kW)																			
RANGE	0.37	0.50	0.75	1.10	1.50	2.20	3.00	4.00	5.50	7.50	9.30	11.00	13.00	15.00	18.50	22.00	26.00	30.00	37.00
V4	●	●	●	●	●	●	●	●	●	●									
V6									●	●	●	●	●	●	●	●	●	●	

TECHNICAL SPECIFICATION OF PUMPS

Description	V4	V6
Flow Rate	Upto 9 m ³ /h	Upto 65 m ³ /h
Maximum Operating Pressure	15 bar - 0.37 kW To 2.20 kW 45 bar - 1.50 kW To 7.50 kW	60 bar - 5.50 kW To 37.00 kW
Allowable Solids	F2 To F5 Pump Series - 50 PPM F8 & F9 Pump Series - 150 PPM	F17 To F60 Pump Series - 100 PPM
Impeller Type	F2 To F5 Pump Series - Radial Flow F8 & F9 Pump Series - Mix Flow	F17 To F60 Pump Series - Mix Flow

Stainless Steel Submersible Borehole Pumps and Motors

SUBMERSIBLE PUMPS

NEMA Standard Coupling Parts:

We are manufacturing all coupling parts of the pumps and motors according to the NEMA standard.



Features and Benefits

• Material of Construction:

Versil pumps offer a wide range of pumps fabricated of AISI 304 stainless steel material. The robust design of the pumps reduces the risk of corrosion and enhances life. All pumps are equipped with water lubricated bearings, rubber rings, bush bearing.

• High Pump Efficiency:

Versil pumps are designed for high performance using the best material. The high efficiency of the pumps and motors gives more output with less energy in less time. We are using state-of-the-art computerized technology for designing and manufacturing. We are using the steel metal sheet which is having a very low coefficient of friction leading to higher efficiency and low life cycle cost.

• Widest Range of Pumping:

Versil pumps offer a wide range of stainless steel pumps which are in the range of up to 65 m³/h. In the range of energy-efficient pumps, pumps are available with multiple sizes and optional stages capable of matching any duty point.

Stainless Steel Submersible Borehole Pumps and Motors

SUBMERSIBLE PUMPS

• Bearing and Sand Channel:

We are using a square shape bearing which is water lubricated. The square shape of the bearing enables sand particles, if any, to leave the pump together with the pumped water.

• Stop Ring:

The stop ring prevents damage to the pump during transportation and in case of upthrust while starting. The stop ring, which is designed as a thrust bearing, limits axial movements of the pump shaft. The stationary part of the stop ring is secured in the upper chamber.

• Inlet Strainer:

The inlet strainer prevents particles over a certain size from entering the pump.

• Non-return Valve:

Non-return valve is a necessary part of the pumps to stop backflow. All pumps are equipped with a reliable non-return valve. The short closing time of the non-return valve reduces the risk of destructive water hammering to a minimum. The valve casing is designed for optimum hydraulic properties to minimize the pressure loss across the valve and contributes to the higher efficiency of the pumps.

• Low Installation and Maintenance Cost:

Stainless Steel Means



Less Weight



Less Corrosion



Reduces
Equipment
costs

4" Stainless Steel Borehole Pumps

F2-F3-F5 Pump Construction

Sr. No.	Description	Material
1	Suction Housing	S.S. - 304
2	Strainer Bowl	S.S. - 304
3	Coupling	S.S. - 431
4	Pump Shaft	S.S. - 431
5	Sleeve	S.S. - 304
6	Neck Ring	PTFE
7	Impeller	S.S. - 304
8	Bowl	S.S. - 304
9	Bowl Bush	Nitrile Rubber
10	Stop Washer	S.S. - 304
11	Nut	S.S. - 304
12	Counter Bush	Nitrile Rubber
13	NRV Bowl	S.S. - 304
14	Clamping Strip	S.S. - 304
15	Clamping Strip Bolt	S.S. - 304
16	Cable Guard	S.S. - 304

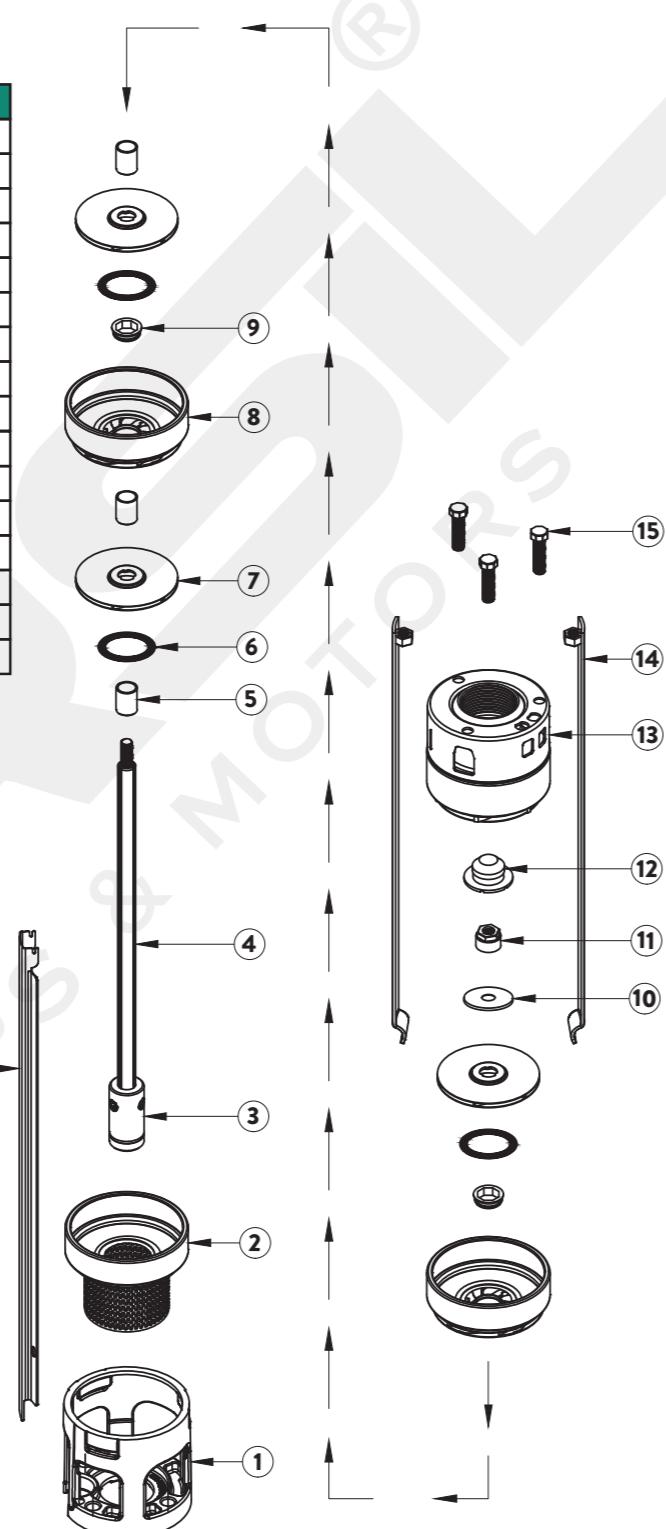


Fig. 1 Exploded view of the F2, F3 and F5 series pumps.

4" Stainless Steel Borehole Pumps

F2-F3-F5 Pump Construction

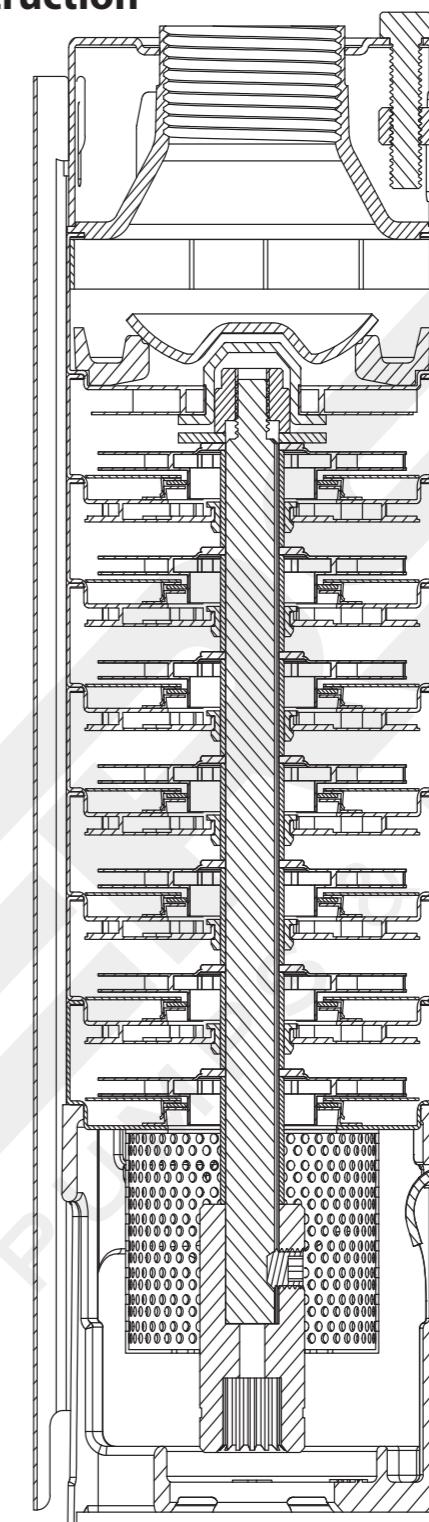


Fig. 2 Section view of the F2, F3 and F5 series pumps.

4" Stainless Steel Borehole Pumps

F8 Pump Construction

Sr. No.	Description	Material
1	Suction Housing	S.S. - 304
2	Strainer	S.S. - 304
3	Coupling	S.S. - 431
4	Pump Shaft	S.S. - 431
5	Strainer Bowl	S.S. - 304
6	Neck Ring	Nitrile Rubber
7	Sleeve	S.S. - 304
8	Impeller	S.S. - 304
9	Nut	S.S. - 304
10	Bowl	S.S. - 304
11	Stop Washer	S.S. - 304 / S.S. - 431
12	Top Sleeve	S.S. - 304 / S.S. - 431
13	Top Washer	S.S. - 304
14	Top Washer Bolt	S.S. - 304
15	Counter Bush	LTB-4 / Nitrile Rubber
16	Bush Housing	S.S. - 304
17	NRV	S.S. - 304
18	Clamping Strip	S.S. - 304
19	Cable Guard	S.S. - 304

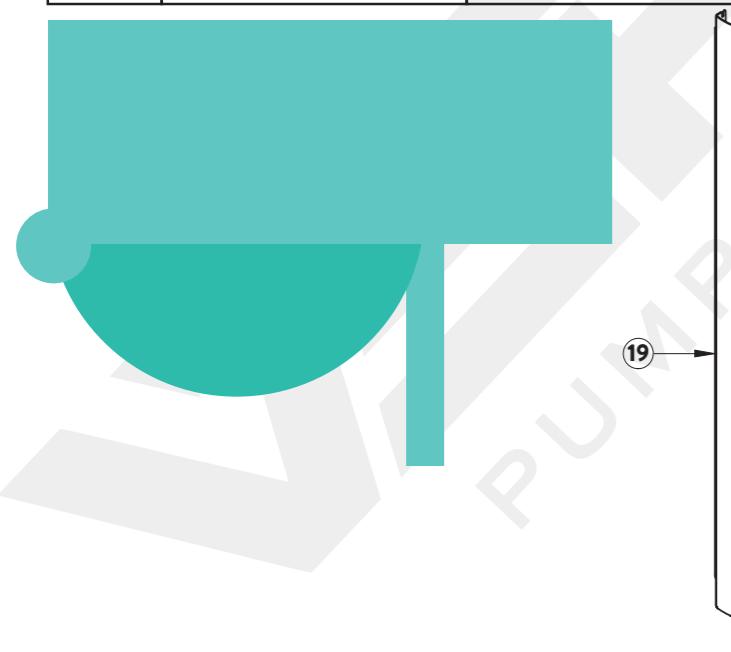
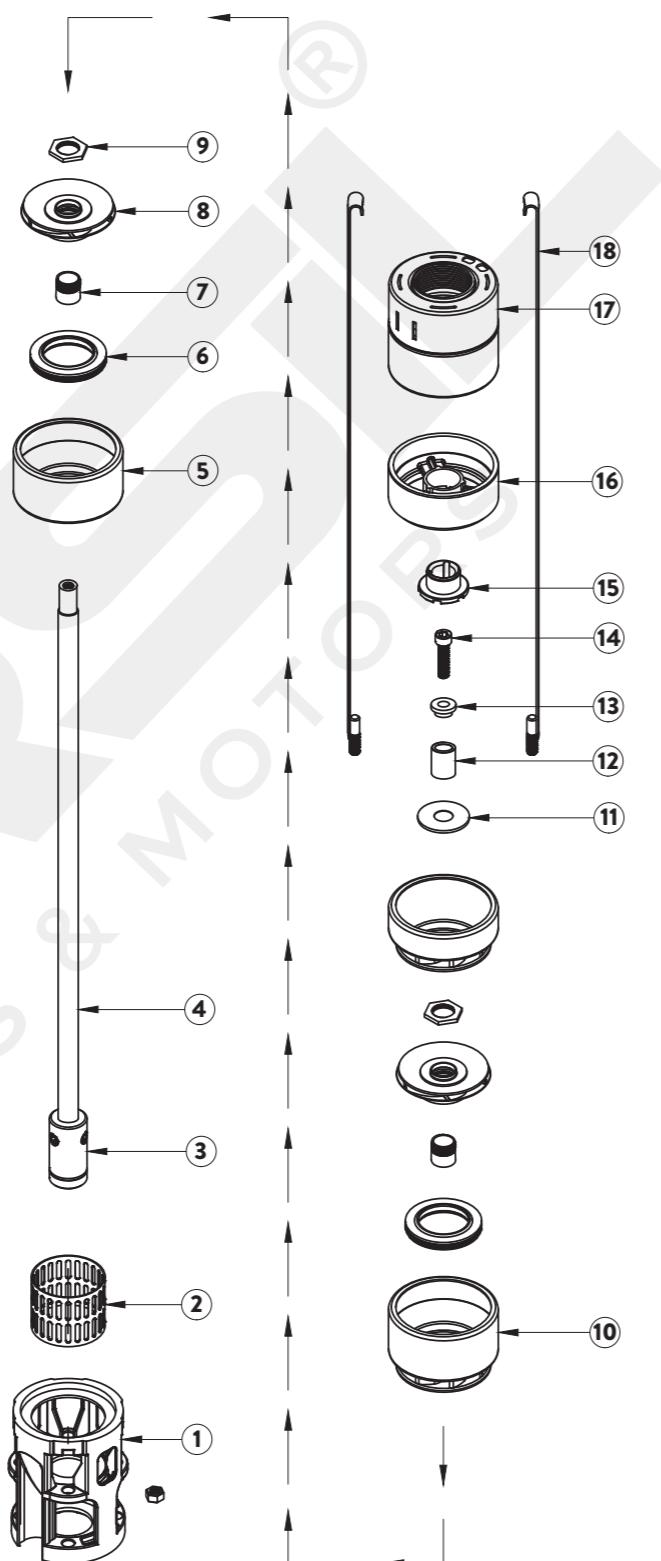


Fig. 3 Exploded view of the F8 series pumps.



4" Stainless Steel Borehole Pumps

F8 Pump Construction

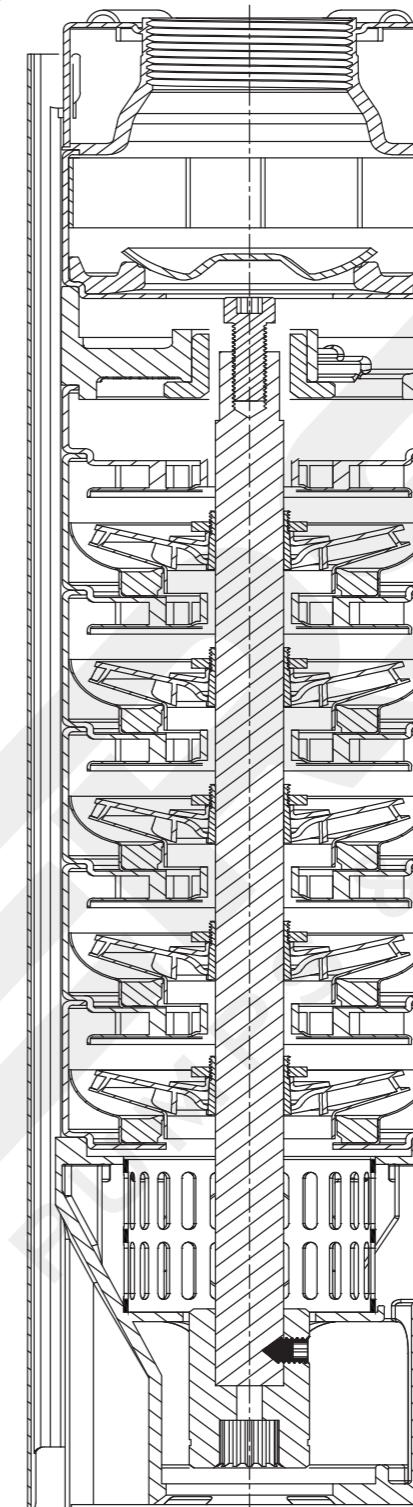


Fig. 4 Section view of the F8 series pumps.

4" Stainless Steel Borehole Pumps

F9 Pump Construction

Sr. No.	Description	Material
1	Suction Housing	S.S. - 304
2	Strainer	S.S. - 304
3	Suction Plate	S.S. - 304
4	Neck Ring	Nitrile Rubber
5	Coupling	S.S. - 431
6	Pump Shaft	S.S. - 431
7	Sleeve	S.S. - 304
8	Impeller	S.S. - 304
9	Nut	S.S. - 304
10	Counter Plate	PTFE
11	Bowl	S.S. - 304
12	Bowl Bush	Nitrile Rubber
13	Valve Cup	S.S. - 304
14	NRV	S.S. - 304
15	Clamping Strip	S.S. - 304
16	Cable Guard	S.S. - 304

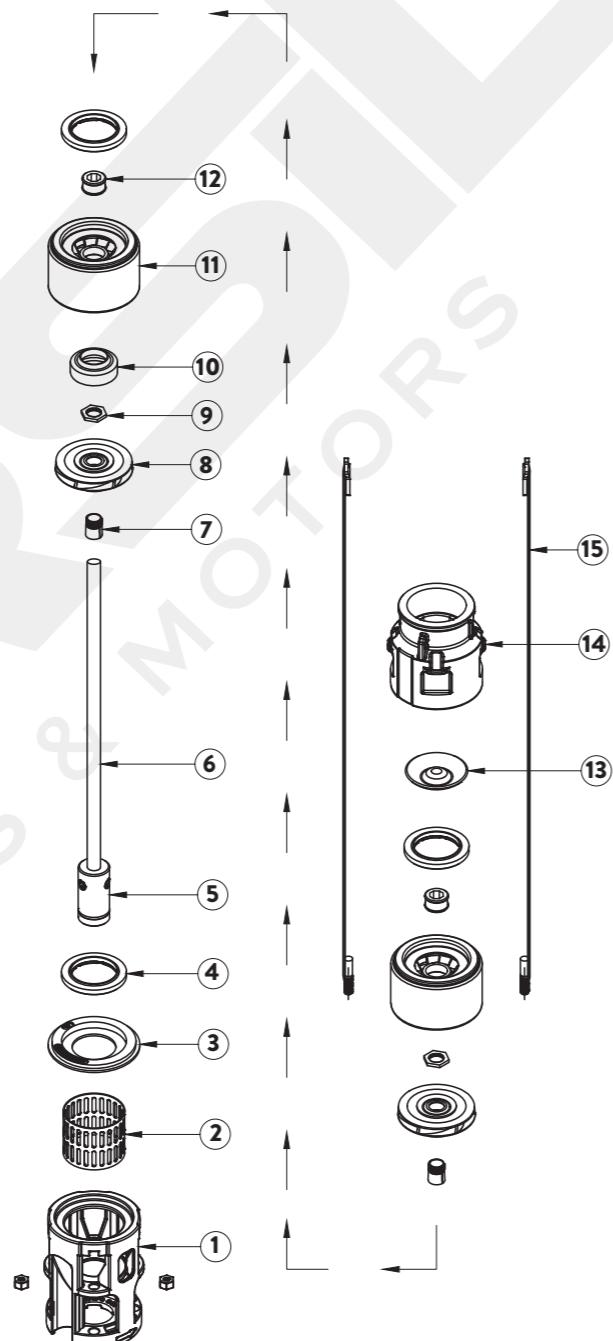


Fig. 5 Exploded view of the F9 series pumps.

4" Stainless Steel Borehole Pumps

F9 Pump Construction

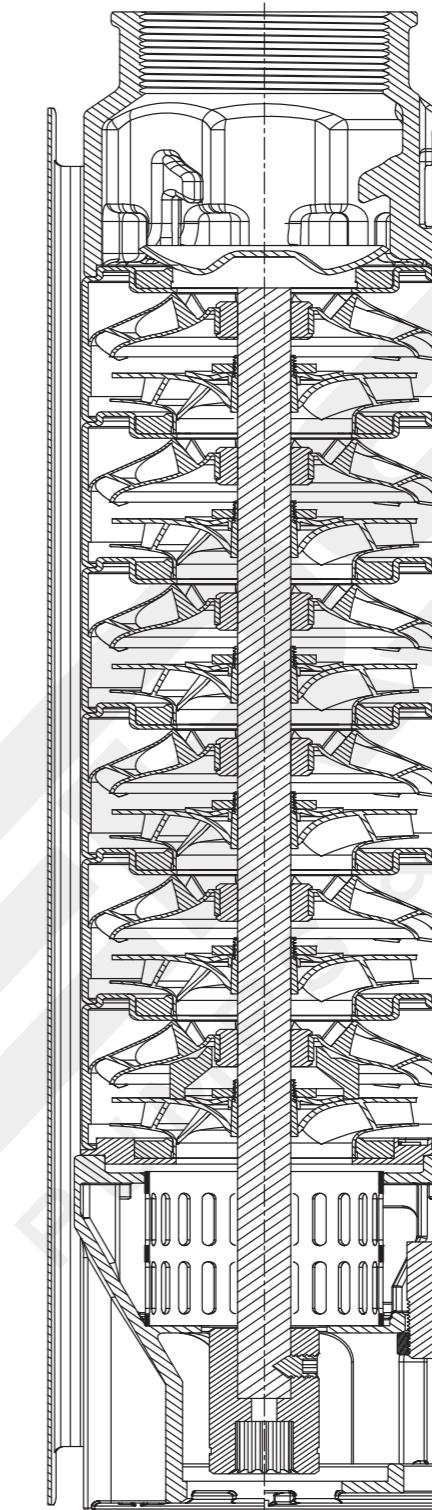


Fig. 6 Section view of the F9 series pumps.

6" Stainless Steel Borehole Pumps

F17-F30 Pump Construction

Sr. No.	Description	Material
1	Suction Housing	S.S. - 304
2	Strainer	S.S. - 304
3	Suction Plate	S.S. - 304
4	Neck Ring	Nitrile Rubber
5	Coupling	S.S. - 431
6	Pump Shaft	S.S. - 431
7	Sleeve	S.S. - 304
8	Impeller	S.S. - 304
9	Nut	S.S. - 304
10	Counter Plate	PTFE
11	Bowl	S.S. - 304
12	Bowl Bush	Nitrile Rubber
13	Valve Cup	S.S. - 304
14	NRV	S.S. - 304
15	Clamping Strip	S.S. - 304
16	Cable Guard	S.S. - 304

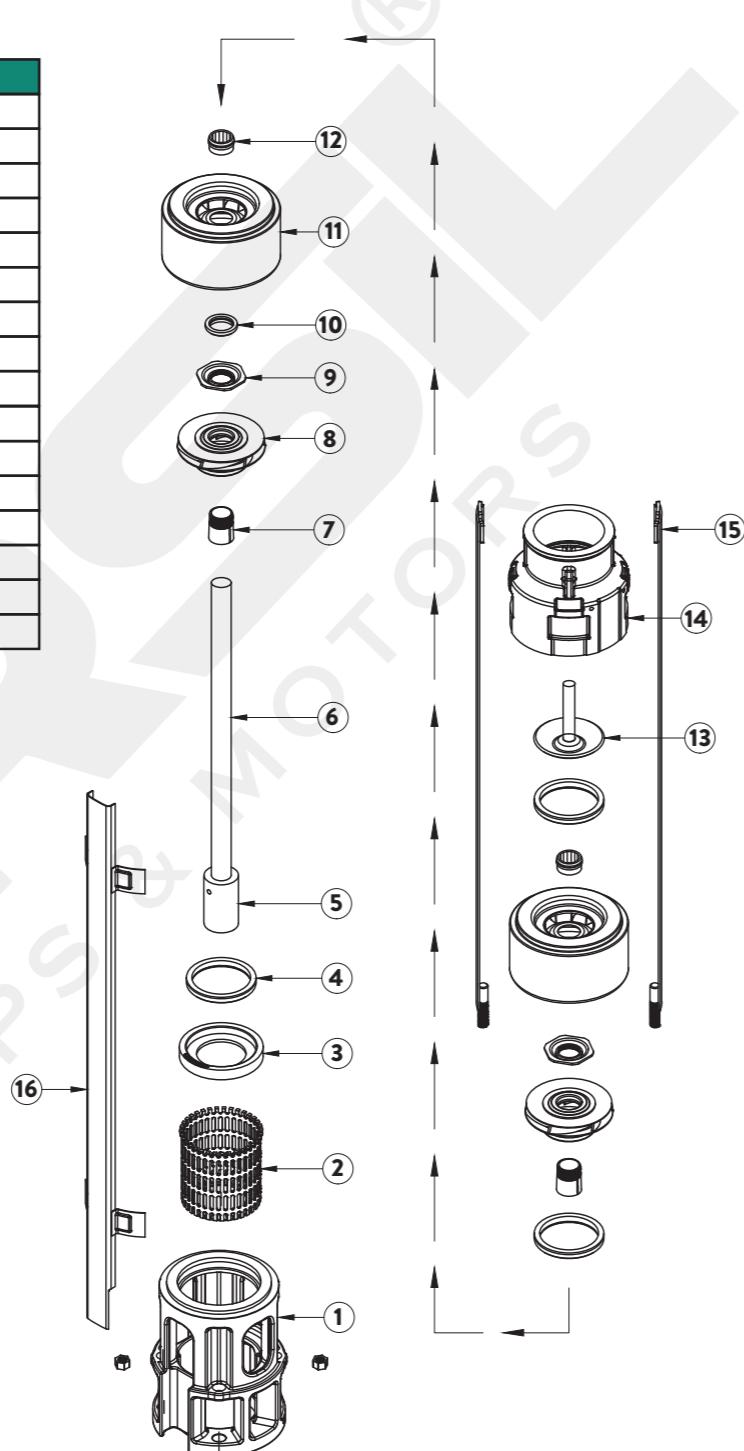


Fig. 7 Exploded view of the F17 and F30 series pumps.

6" Stainless Steel Borehole Pumps

F17-F30 Pump Construction

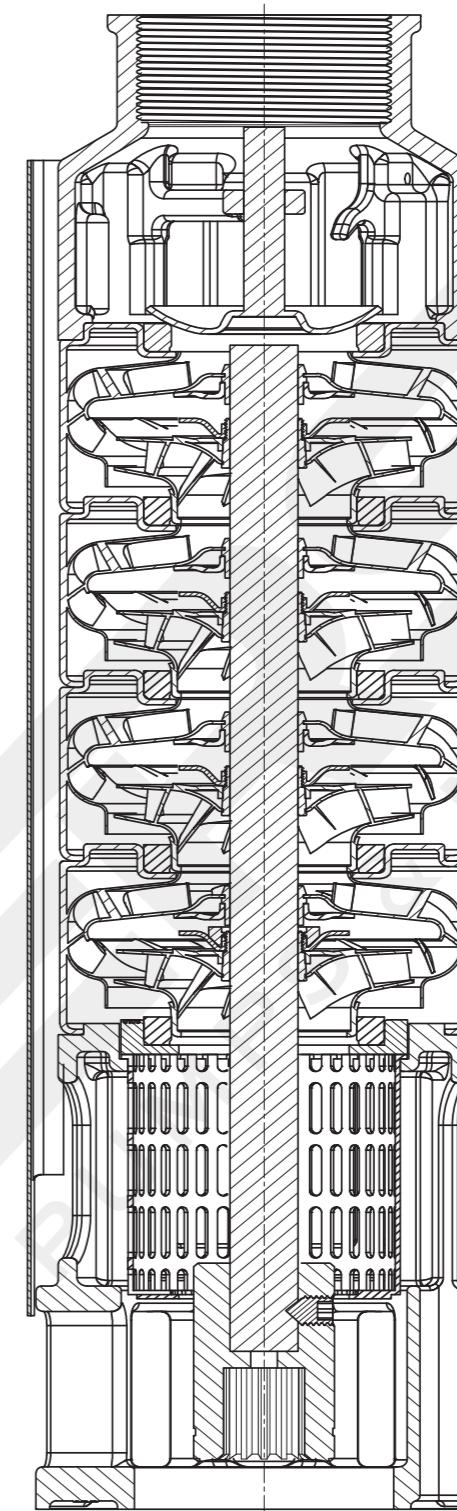


Fig. 8 Section view of the F17 and F30 series pumps.

6" Stainless Steel Borehole Pumps

F46-F60 Pump Construction

Sr. No.	Description	Material
1	Suction Housing	S.S. - 304
2	Strainer	S.S. - 304
3	Suction Neck Ring	Nitrile Rubber
4	Coupling	S.S. - 431
5	Pump Shaft	S.S. - 431
6	Sleeve	S.S. - 304
7	Impeller	S.S. - 304
8	Nut	S.S. - 304
9	Counter Plate	PTFE
10	Bowl	S.S. - 304
11	Bowl Bush	Nitrile Rubber
12	Bowl Neck Ring	Nitrile Rubber
13	Nut	S.S. - 304
14	Bowl Bush	Nitrile Rubber
15	Valve Cup	S.S. - 304
16	NRV	S.S. - 304
17	Clamping Strip	S.S. - 304
18	Cable Guard	S.S. - 304

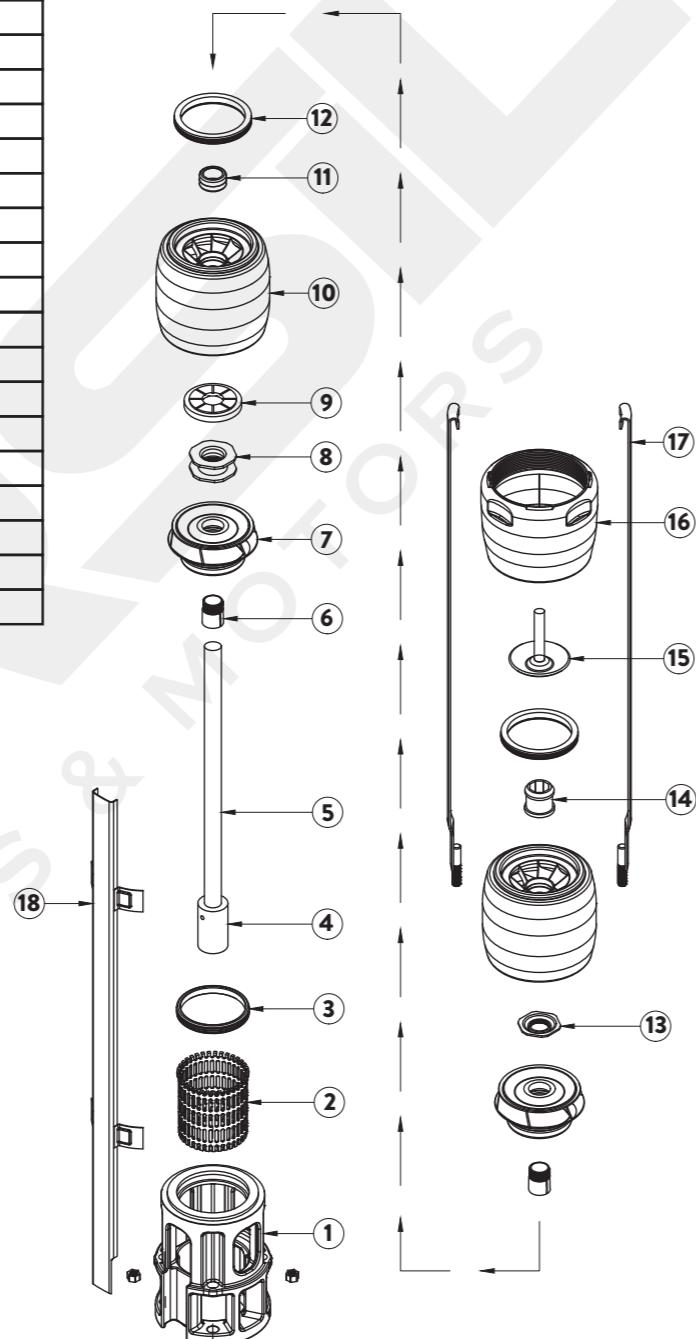


Fig. 9 Exploded view of the F46 and F60 series pumps.

6" Stainless Steel Borehole Pumps

F46 - F60 Pump Construction

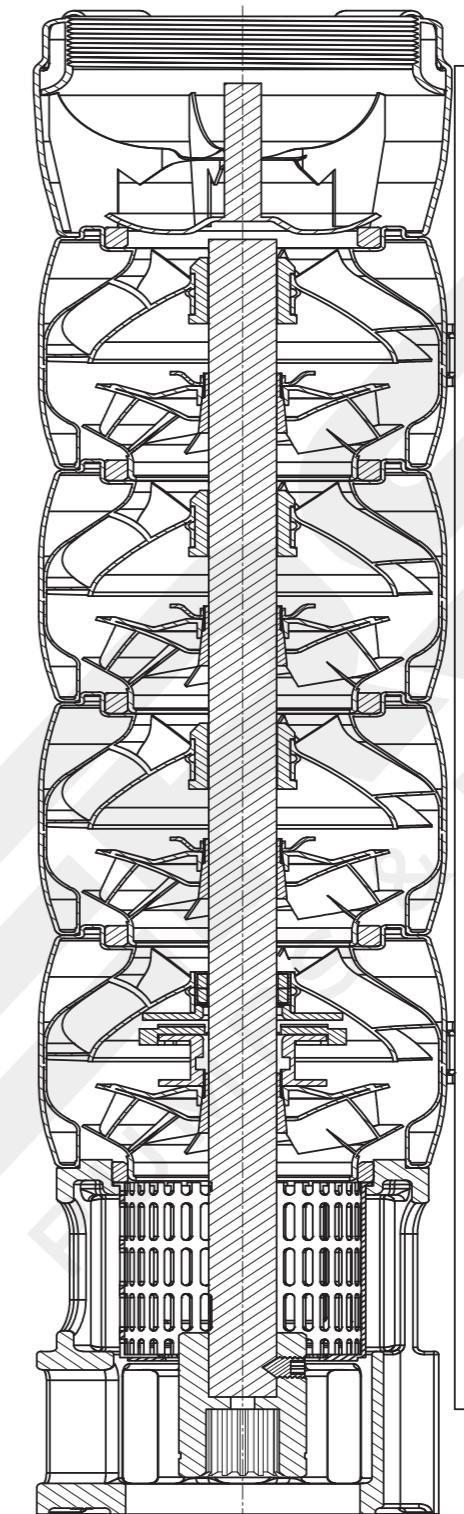


Fig. 10 Section view of the F46 and F60 series pumps.

Stainless Steel Submersible Borehole Pumps and Motors

Submersible Motor

Features and Benefits

- **High Motor Efficiency:**

Versil Pumps are a leading manufacturer of energy efficient motors. Motors are manufactured with specialized design features and the use of material. High-grade copper winding wire and motor stacks leads to improved power factor and motor efficiency.

- **Rewindable Motors:**

Versil 4" and 6" water-filled motors are easily rewirable. The winding of the stator is made of special waterproof wire of pure electrolytic copper, wrapped in special non-hygrosopic thermoplastic material, giving it a "B" class winding insulation protection. The properties of dielectric material allow direct contact between windings and coolant.

- **Coolant Chamber:**

Temperature protection of the motor increases the life of the motor by providing an in-built coolant chamber.

- **Oil Coolant Chamber:**

Versil S.S. submersible motors, 4" and 6" both are available with in-built oil cooling chamber. The motors are pre-filled with oil. Which acts as a lubricant and coolant in the motor and helps the motor run longer. Cooling chamber at the top and bottom in the motor for internal circulation, ensures efficient cooling of the motor. The winding wire is made of copper with "F" class insulation.

- **Water Coolant Chamber:**

Versil S.S. submersible motors, 4" and 6" both are available with in-built water coolant. The winding wire of the motors are made of special waterproof wire of pure electrolytic copper, wrapped in special non-hygrosopic thermoplastic material. "B" class winding insulation protects the motor against short circuits. The motors are pre-filled with anti-corrosive water used for lubrication and as coolant.



Stainless Steel Submersible Borehole Pumps and Motors



• Shaft Seal:

Shaft seal is made of ceramic / SIC material, which provides optimum sealing strength, optimum wear resistance and long life. The spring-loaded shaft seal is designed with a large surface and a sand guard. The result is a minimal exchange of pumped liquid and motor liquid. Which prevents the entry of sand particles into the shaft seal during normal operation.

SUBMERSIBLE MOTOR

• Protection Against Upthrust:

On starting, initial motor upthrust may damage the pumps and motors. The Versil motor has an in-built stop ring and hydraulic balancing mechanism for preventing damages.

• Thrust Bearing:

The high-performance design of thrust bearing absorbs high axial thrust load and up-thrust and increases the motor life.

• Insulation Protection:

Insulation protection protects motor windings from overheating in the event of a high voltage surge.

• Water Cooled Motor: The stator winding wire of the motor is made of waterproof wire of pure electrolytic copper, wrapped in special non-hygroscopic thermoplastic material. "B" class winding insulation protects the motor against short circuits.

• Oil Cooled Motor: The stator winding wire of the motor is made of special enameled wire of pure electrolytic copper. "F" class winding insulation protects the motor against short circuits.

Technical Details

Technical Specification Of Motors

Description	V4 - Oil	V4 - Water	V6 - Oil	V6 - Water
Power Range	0.37 kW To 7.50 kW		5.50 kW To 37.00 kW	
Phase	Single : 0.37 kW To 2.20 kW Three : 1.50 kW To 7.50 kW		Three : 5.50 kW To 37.00 kW	
Speed (Sync.)		2900 RPM		
Direction of Rotation		Anti Clock Wise On Top View		
Cooling Type	Divyol Submersol 15 (LLP15)	Anti Corrosive Water	Divyol Submersol 15 (LLP15)	Anti Corrosive Water
Start Type	D O L		Star Delta / D O L	
Duty Cycle		S1 (Continuous)		
Protection Class	IP 68	IP 58	IP 68	IP 58
Insulation Class	F	B	F	B
Ambient Temperature		30°C		
Starts Per Hour	30 Times	3 Times	30 Times	3 Times
Shaft		Splined As Per NEMA Standard		

4" Submersible Motor

V4 - Water Filled Motor Construction

Sr. No.	Description	Material
1	Oil Seal	Nitrile Rubber
2	Upper Housing	C.I. Casting
3	Upper Bushing	LTB-4
4	Thread Housing	C.I. Casting
5	Motor Shaft	S.S. - 431
6	Motor Body Pipe	S.S. - 304
7	Lower Bushing	LTB-4
8	Lower Housing	C.I. Casting
9	Thrust Bearing	S.S. & Carbon
10	Bearing Support	S.S. - 410
11	Motor Base	C.I. Casting
12	Drain Plug	Brass
13	Motor Base Stud	S.S. - 304
14	Diaphragm	Nitrile Rubber
15	Diaphragm Plate	S.S. - 202

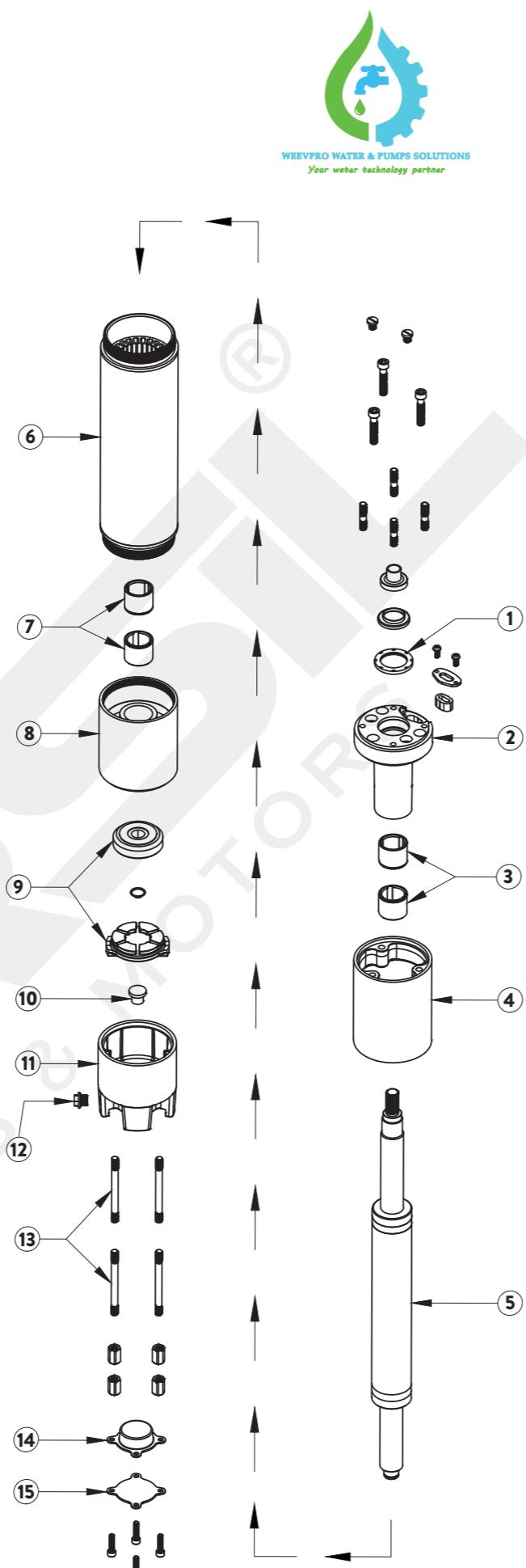


Fig. 11 Exploded view of the 4" water-filled motors.

4" Submersible Motor

V4 - Water Filled Motor Construction

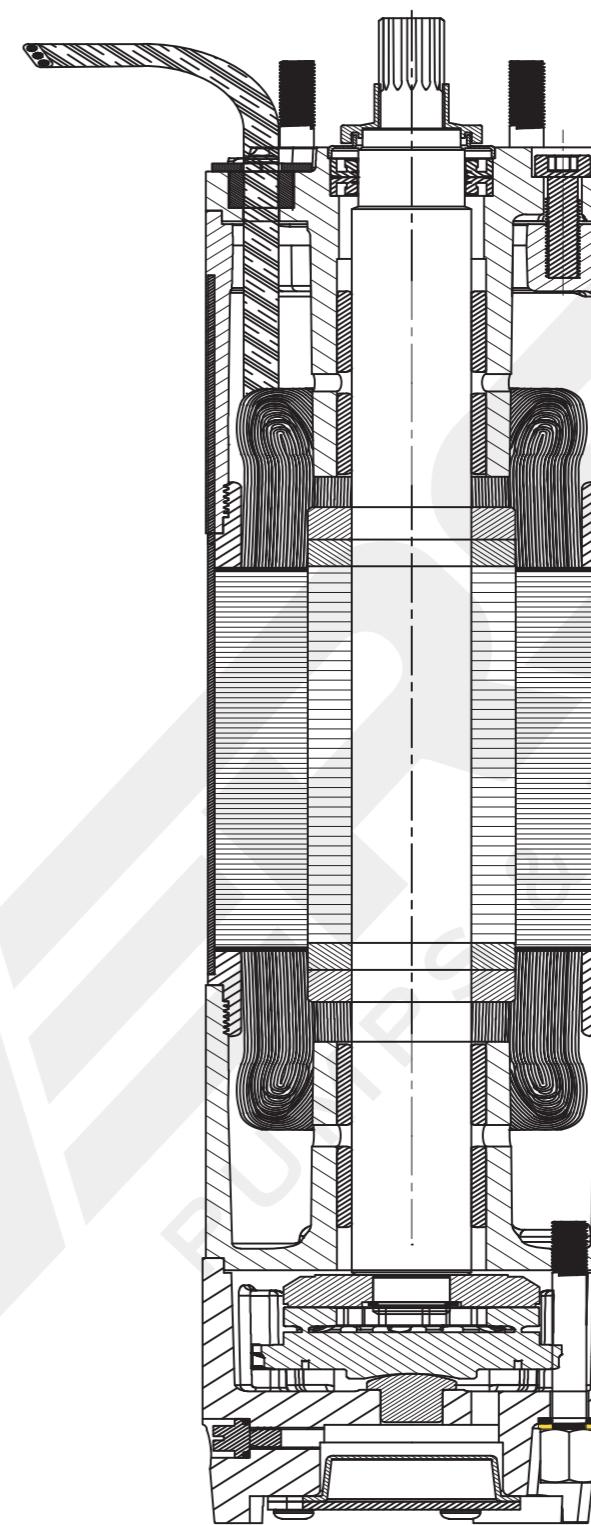


Fig. 12 Section view of the 4" water-filled motors.

4" Submersible Motor

V4 - Oil Filled Motor Construction

Sr. No.	Description	Material
1	Cable Clamp	S.S. - 304
2	Connection Cable	-----
3	Oil Plug	Brass
4	Sand Guard	Nitrile Rubber
5	Oil Seal Guard	S.S. - 304
6	Oil Seal	Nitrile Rubber
7	Stud	S.S. - 304
8	Upper Housing	C.I. / S.S.
9	Mechanical Seal	SIC + Ceramic
10	Wave Washer	Spring Steel
11	Ball Bearing	-----
12	Motor Shaft	S.S. - 431
13	Lower Housing	Aluminum / C.I.
14	Diaphragm	Nitrile Rubber
15	Diaphragm Plate	S.S. - 304
16	Diaphragm Plate Lock	S.S. - 304
17	Motor Body Pipe	S.S. - 304
18	Upper Housing Body Washer	S.S. - 304
19	Upper Housing Body Screw	S.S. - 304
20	Upper Housing O Ring	Nitrile Rubber

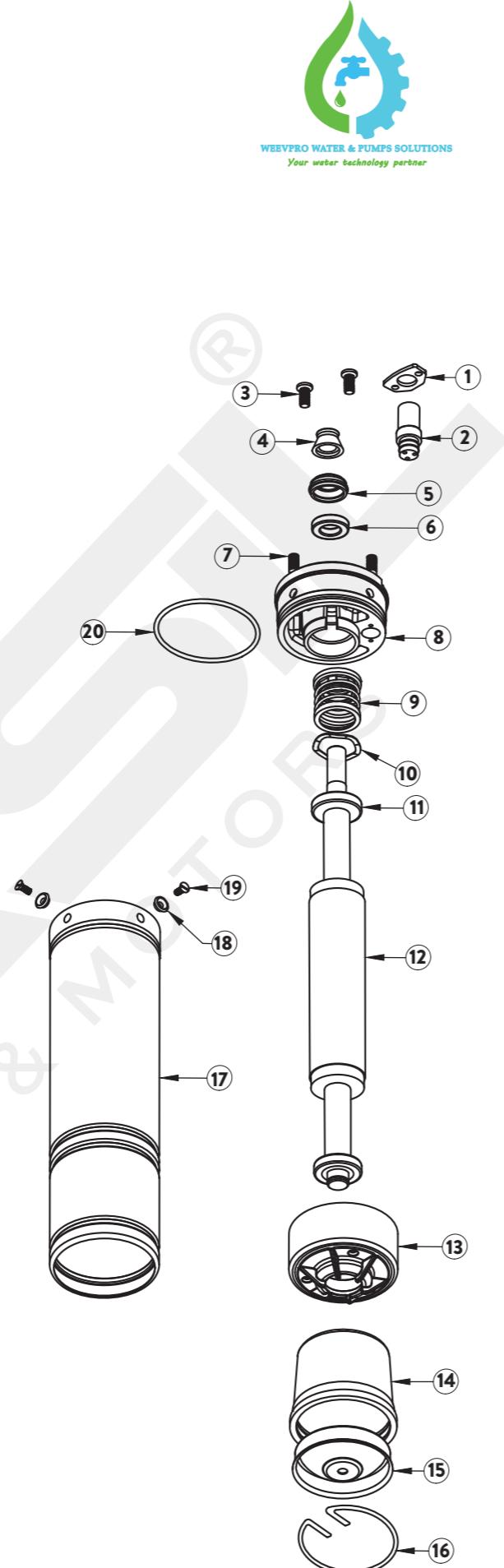


Fig. 13 Exploded view of the 4" oil-filled motors.

4" Submersible Motor

V4 - Oil Filled Motor Construction

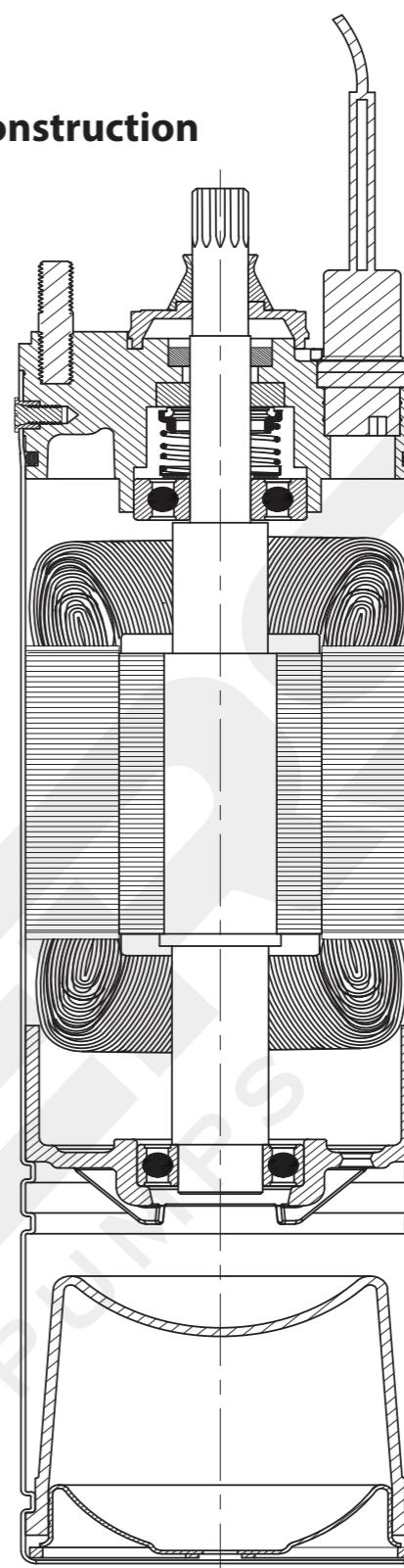


Fig. 14 Section view of the 4" oil-filled motors.

6" Submersible Motor

V6 - Water Filled Motor Construction

Sr. No.	Description	Material
1	Oil Seal	Nitrile Rubber
2	Upper Housing	C.I. Casting
3	Upper Bushing	LTB-4
4	Thread Housing	C.I. Casting
5	Motor Shaft	S.S. - 431
6	Motor Body Pipe	S.S. - 304
7	Lower Bushing	LBT-4
8	Lower Housing	C.I. Casting
9	Thrust Bearing Plate	S.S. - 420
10	Thrust Bearing	S.S. & Carbon
11	Bearing Support	S.S. - 410
12	Motor Base	C.I. Casting
13	Drain Plug	Brass
14	Motor Base Stud	S.S. - 304
15	Diaphragm	Nitrile Rubber
16	Diaphragm Plate	C.I. Casting

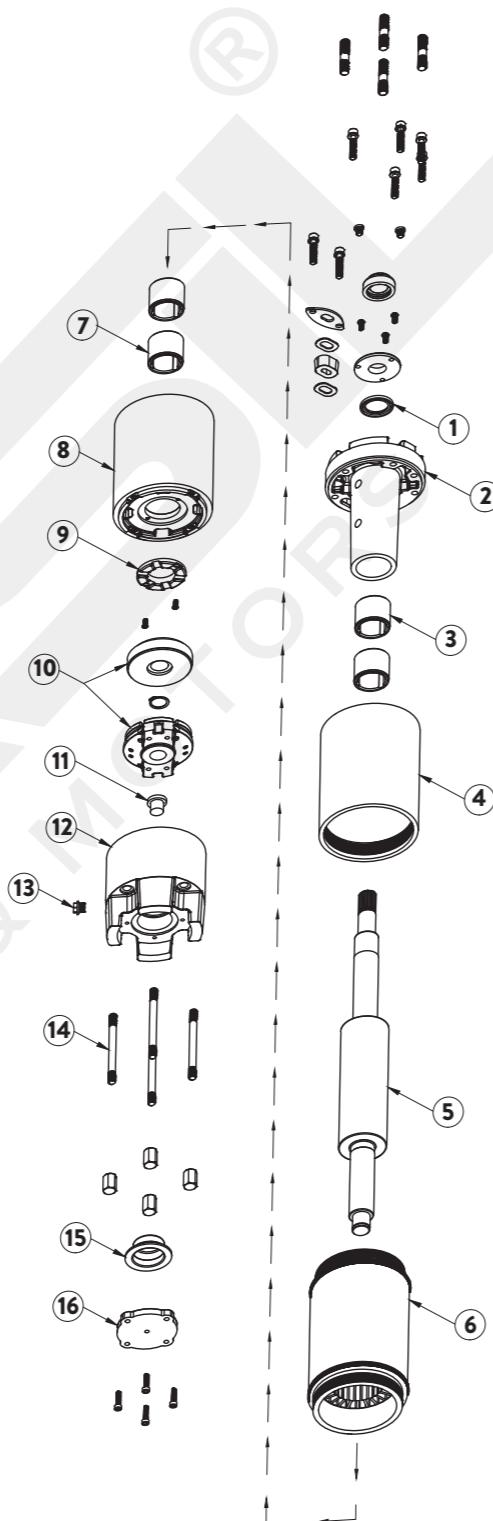


Fig. 15 Exploded view of the 6" water-filled motors.

6" Submersible Motor

V6 - Water Filled Motor Construction

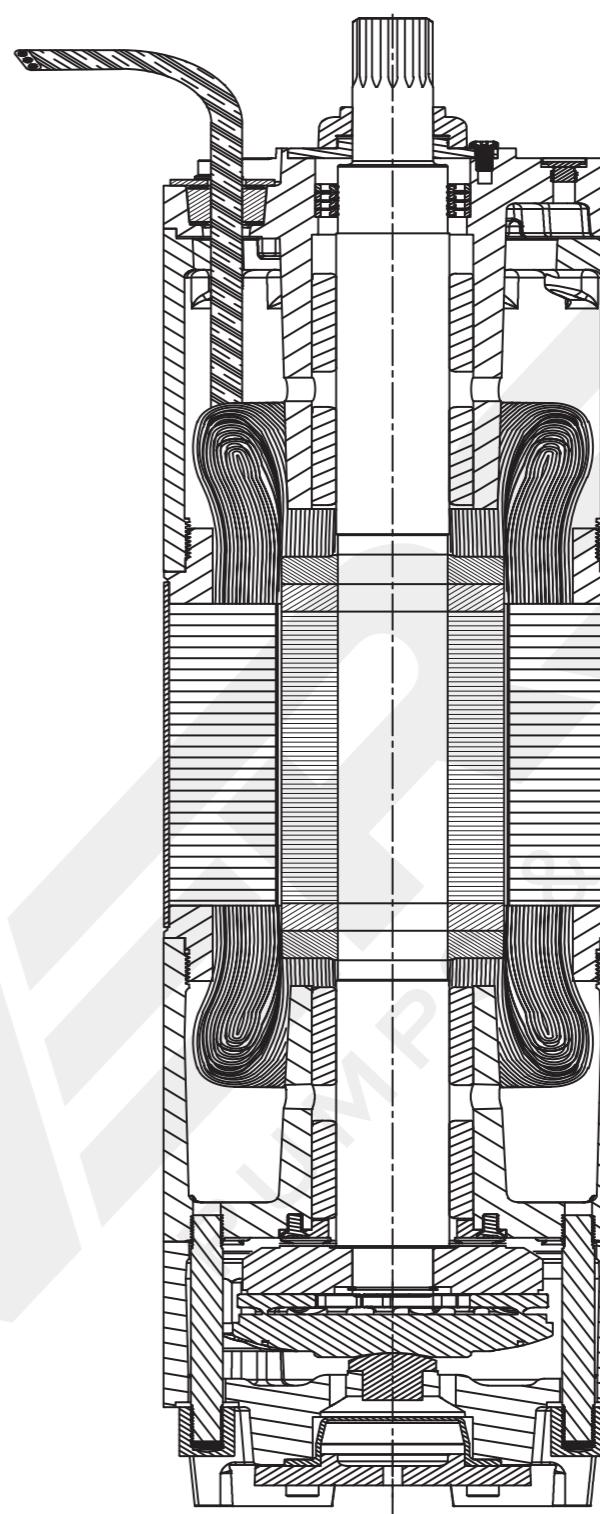


Fig. 16 Section view of the 6" water-filled motors.

6" Submersible Motor

V6 - Oil Filled Motor Construction

Sr. No.	Description	Material
1	Oil Seal	Nitrile Rubber
2	Upper Housing	S.S. / C.I.
3	Upper Housing Bolt	S.S. - 304
4	Upper O Ring	Nitrile Rubber
5	Mechanical Seal	SIC + Ceramic
6	Upper Bearing	-----
7	Motor Shaft	S.S. - 431
8	Lower Bearing	-----
9	Lower Housing	C.I. Casting
10	Lower Lock	S.S. - 304
11	Motor Body Pipe	S.S. - 304
12	Lower Bearing Flange	C.I. Casting
13	Diaphragm	Nitrile Rubber
14	Motor Base	S.S. / C.I.

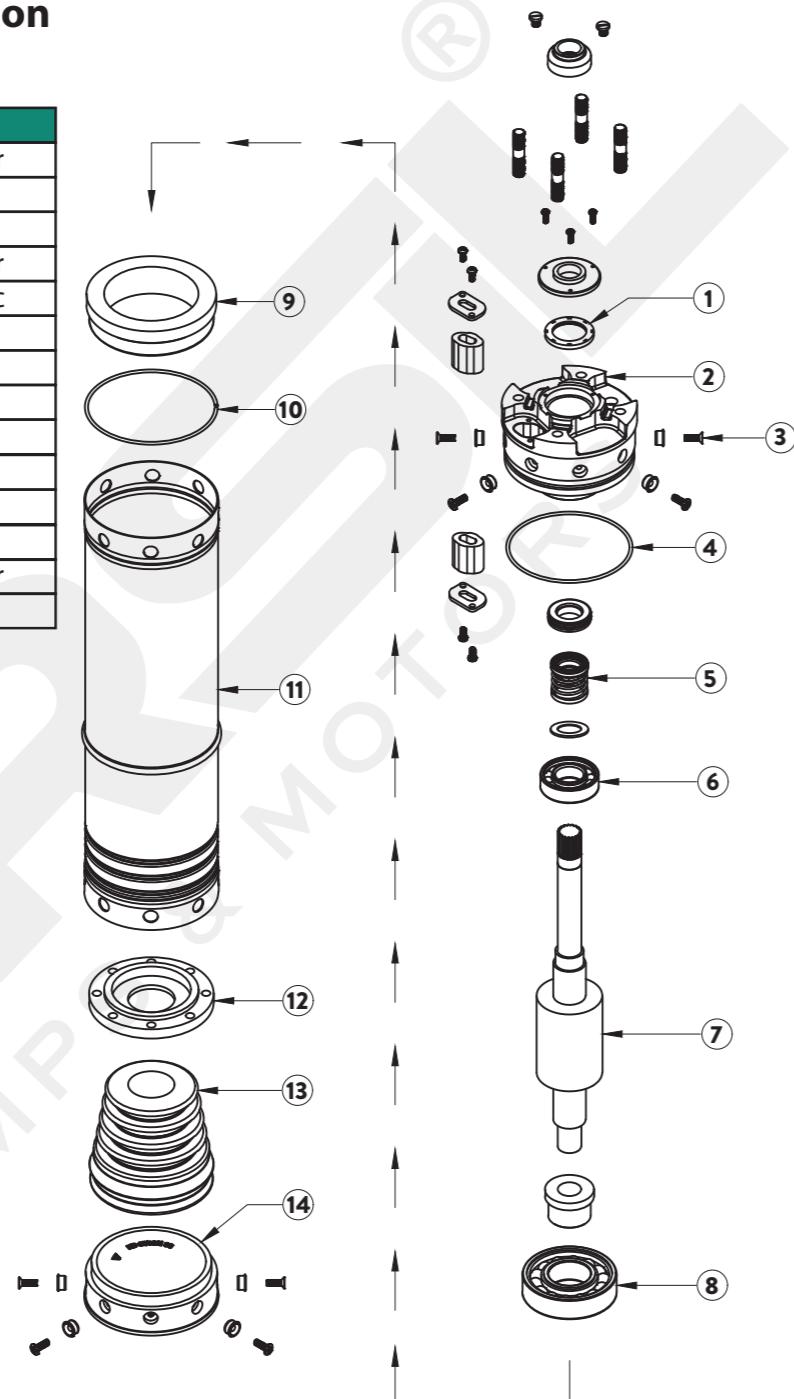


Fig. 17 Exploded view of the 6" oil-filled motors.

6" Submersible Motor

V6 - Oil Filled Motor Construction

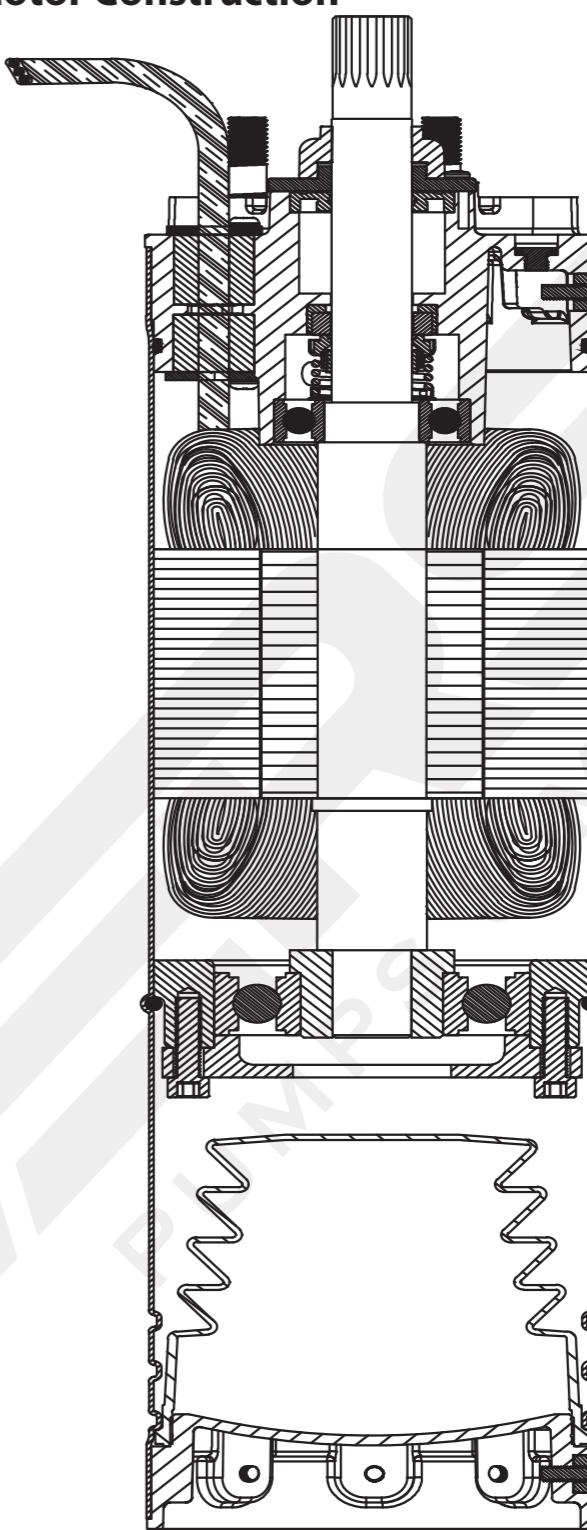


Fig. 18 Section view of the 6" oil-filled motors.

Motor Electric Data

1 x 230 V, V4 MOTOR														
Sr. No.	Motor Rating		Phase	Fullload Current	Motor Efficiency (%)			Power Factor			$\frac{I_{st}}{I_n}$	Dimensions (mm)		
	kW	HP			I _n (A)	η 50%	η 75%	η 100%	CosΦ 50%	CosΦ 75%	CosΦ 100%	Diameter	Height	Weight
1	0.37	0.50	1	3.90	46.0	52.1	55.2	0.60	0.70	0.80	3.45	98	440	12.62
2	0.55	0.75	1	5.80	47.4	54.6	57.7	0.54	0.67	0.76	3.58	98	465	13.99
3	0.75	1.00	1	7.00	50.1	56.0	58.2	0.61	0.73	0.83	3.56	98	490	15.36
4	1.10	1.50	1	8.20	59.8	67.6	70.7	0.94	0.95	0.95	4.42	98	540	18.10
5	1.50	2.00	1	11.3	54.4	64.6	69.2	0.87	0.91	0.93	4.02	97	645	24.44
6	2.20	3.00	1	15.1	65.0	71.1	73.1	0.86	0.89	0.91	4.58	97	685	27.22

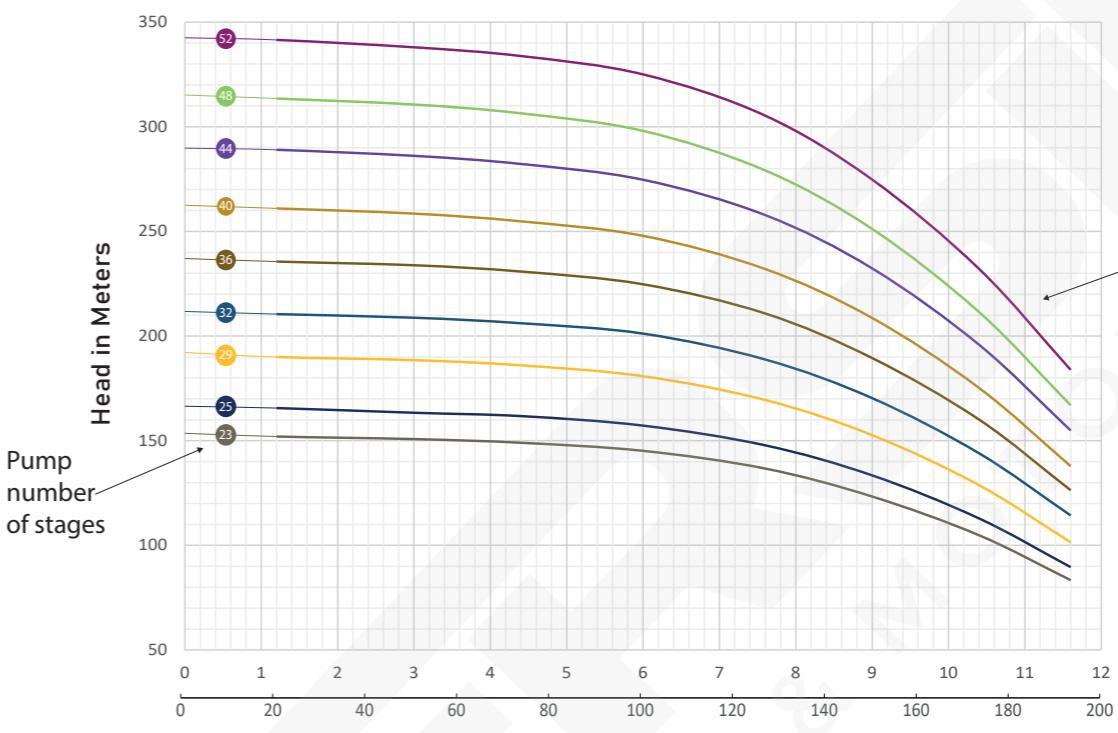
3 x 415 V, V4 MOTOR														
Sr. No.	Motor Rating		Phase	Fullload Current	Motor Efficiency (%)			Power Factor			$\frac{I_{st}}{I_n}$	Dimensions (mm)		
	kW	HP			I _n (A)	η 50%	η 75%	η 100%	CosΦ 50%	CosΦ 75%	CosΦ 100%	Diameter	Height	Weight
1	1.50	2.00	3	4.50	61.9	71.7	75.1	0.46	0.61	0.71	5.12	97	625	24.26
2	2.20	3.00	3	5.50	62.6	73.2	76.8	0.42	0.59	0.70	4.83	97	665	25.40
3	3.00	4.00	3	7.30	72.3	79.8	83.0	0.46	0.61	0.70	4.59	97	715	27.87
4	4.00	5.50	3	9.00	77.9	81.9	82.5	0.55	0.70	0.78	4.90	97	785	31.30
5	5.50	7.50	3	13.0	78.4	80.6	82.8	0.56	0.62	0.72	4.99	97	865	35.31
6	7.50	10.0	3	18.0	77.9	80.0	80.9	0.61	0.69	0.78	4.61	97	945	39.29

3 x 415 V, V6 MOTOR														
Sr. No.	Motor Rating		Phase	Fullload Current	Motor Efficiency (%)			Power Factor			$\frac{I_{st}}{I_n}$	Dimensions (mm)		
	kW	HP			I _n (A)	η 50%	η 75%	η 100%	CosΦ 50%	CosΦ 75%	CosΦ 100%	Diameter	Height	Weight
1	5.50	7.50	3	13.0	77.6	82.8	85.3	0.60	0.72	0.82	4.52	142	690	52.58
2	7.50	10.0	3	17.0	79.6	84.4	86.4	0.61	0.74	0.81	4.43	142	740	57.29
3	9.30	12.5	3	21.5	83.5	87.4	89.1	0.64	0.76	0.84	4.69	142	765	62.38
4	11.0	15.0	3	25.5	81.8	85.1	85.4	0.66	0.78	0.82	4.80	142	795	67.37
5	13.0	17.5	3	30.0	82.6	86.4	87.9	0.60	0.72	0.79	4.69	142	835	74.10
6	15.0	20.0	3	34.0	81.2	85.4	86.9	0.59	0.71	0.77	5.11	142	900	79.70
7	18.5	25.0	3	42.5	78.9	84.2	86.6	0.60	0.71	0.79	5.20	142	980	86.73
8	22.0	30.0	3	51.0	83.4	87.0	88.8	0.64	0.74	0.81	5.13	142	1050	95.48
9	26.0	35.0	3	59.5	83.4	87.0	88.2	0.59	0.70	0.77	4.99	142	1110	100.10
10	30.0	40.0	3	68.0	82.6	86.4	88.0	0.60	0.73	0.79	5.02	142	1180	110.10
11	37.0	50.0	3	85.0	80.1	85.4	87.0	0.56	0.69	0.77	5.23	142	1280	122.60

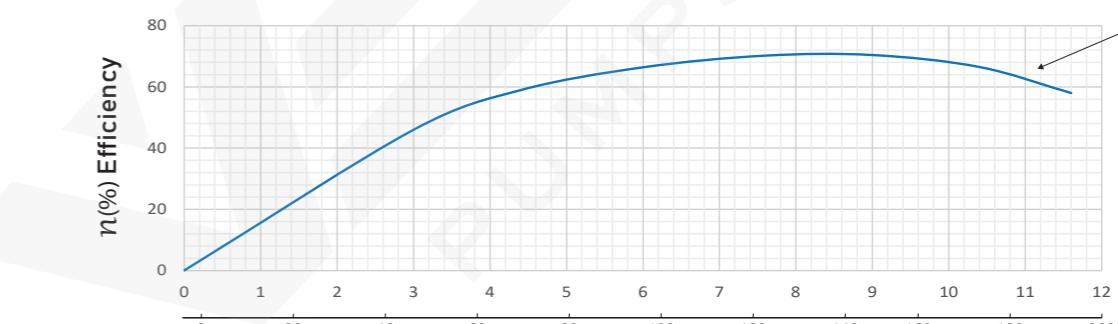
General Curve Description

Curve Description

- Below fig. indicates how to read the performance curve



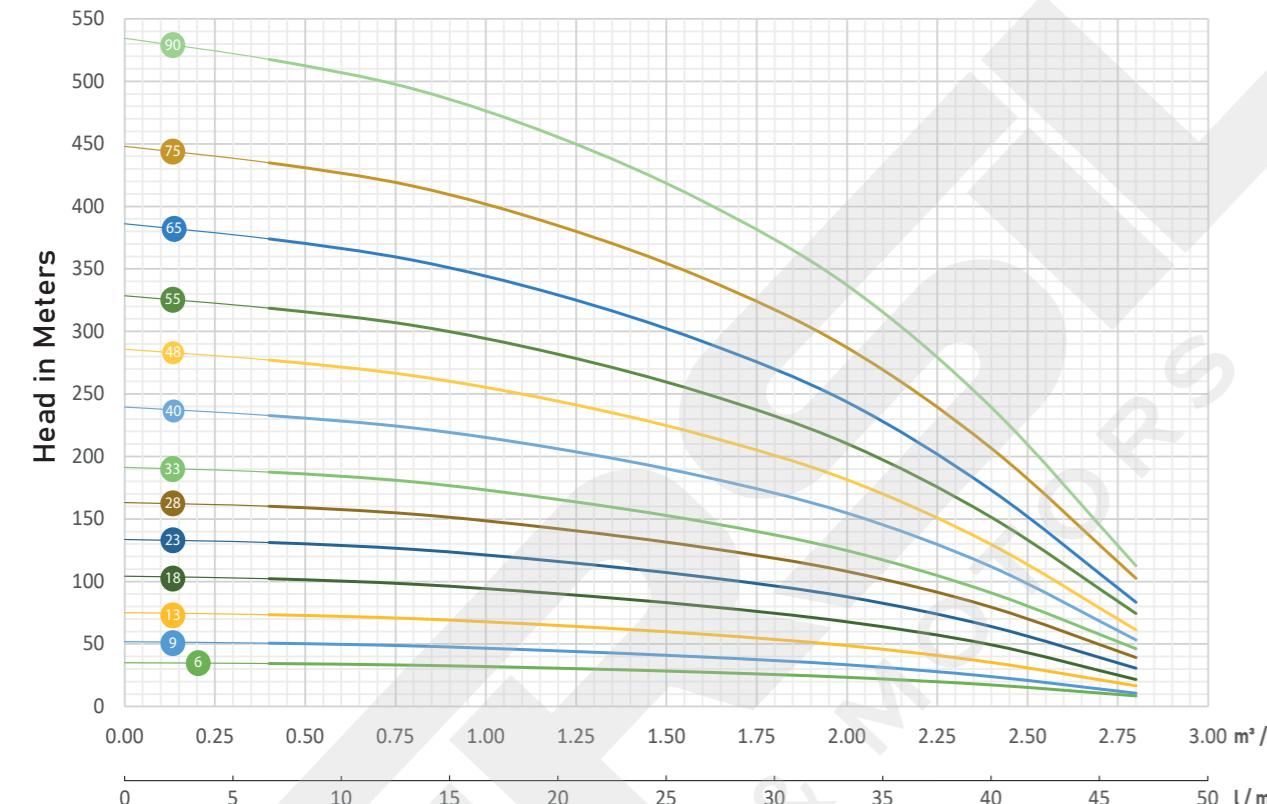
Head and discharge curve for the individual pump. HQ performance curve tolerances as per ISO 9906:2012 3B. A bold curve indicates the recommended duty range of the pump.



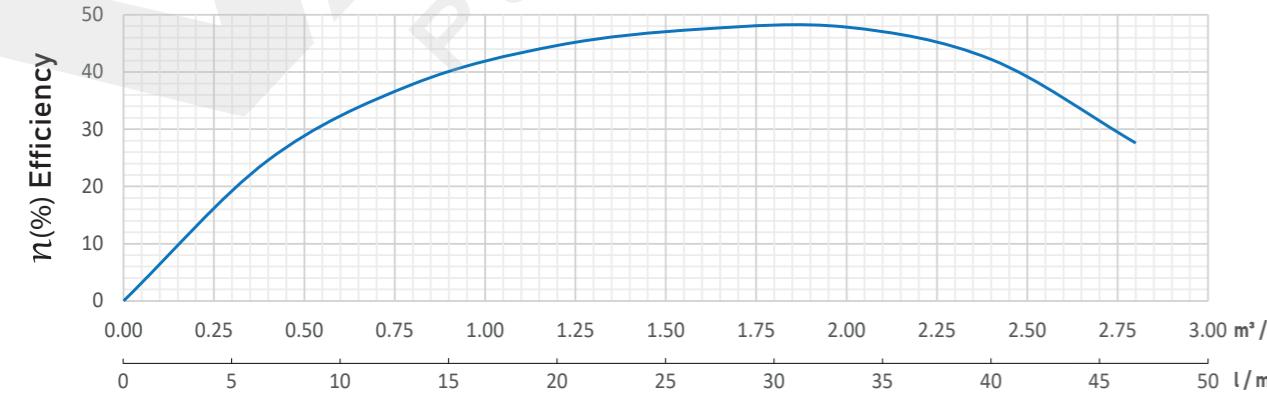
This curve indicates the stage efficiency. The working efficiency of the lesser stage pump may be less than the curve shows. Tolerances as per ISO 9906:2012 3B.

F2 Pump Performance & Efficiency Curve

Performance Curve



Efficiency Curve



F2 Pump Performance Chart & Dimensions

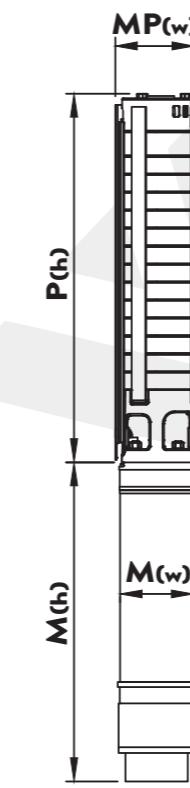
Performance Chart

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 32 mm (1.25")	FLOW Q							
		kW	HP											
		l/min	0.00 0.40 0.80 1.20 1.60 2.00 2.40 2.80				35	34	33	31	28	23	17	9
1	V4WC-0506F2	0.37	0.50	6	1	35	34	33	31	28	23	17	9	
2	V4WC-0509F2	0.37	0.50	9	1	52	51	48	45	40	33	24	11	
3	V4WC-7513F2	0.55	0.75	13	1	75	73	70	65	58	49	35	17	
4	V4WC-1018F2	0.75	1.00	18	1	104	102	98	90	80	68	49	22	
5	V4WC-1523F2	1.10	1.50	23	1	134	131	126	116	104	88	64	31	
6	V4WC-2028F2	1.50	2.00	28	1&3	163	160	154	142	127	108	79	39	
7	V4WC-2033F2	1.50	2.00	33	1&3	191	187	180	166	148	125	91	46	
8	V4WC-3040F2	2.20	3.00	40	1&3	240	233	223	206	184	155	112	53	
9	V4WC-3048F2	2.20	3.00	48	1&3	286	277	265	244	217	181	130	61	
10	V4WC-4055F2	3.00	4.00	55	3	329	319	305	282	251	210	151	74	
11	V4WC-4065F2	3.00	4.00	65	3	386	374	357	329	292	244	173	83	
12	V4WC-5575F2	4.00	5.50	75	3	448	435	416	385	343	287	206	103	
13	V4WC-5590F2	4.00	5.50	90	3	534	518	494	455	404	337	239	113	

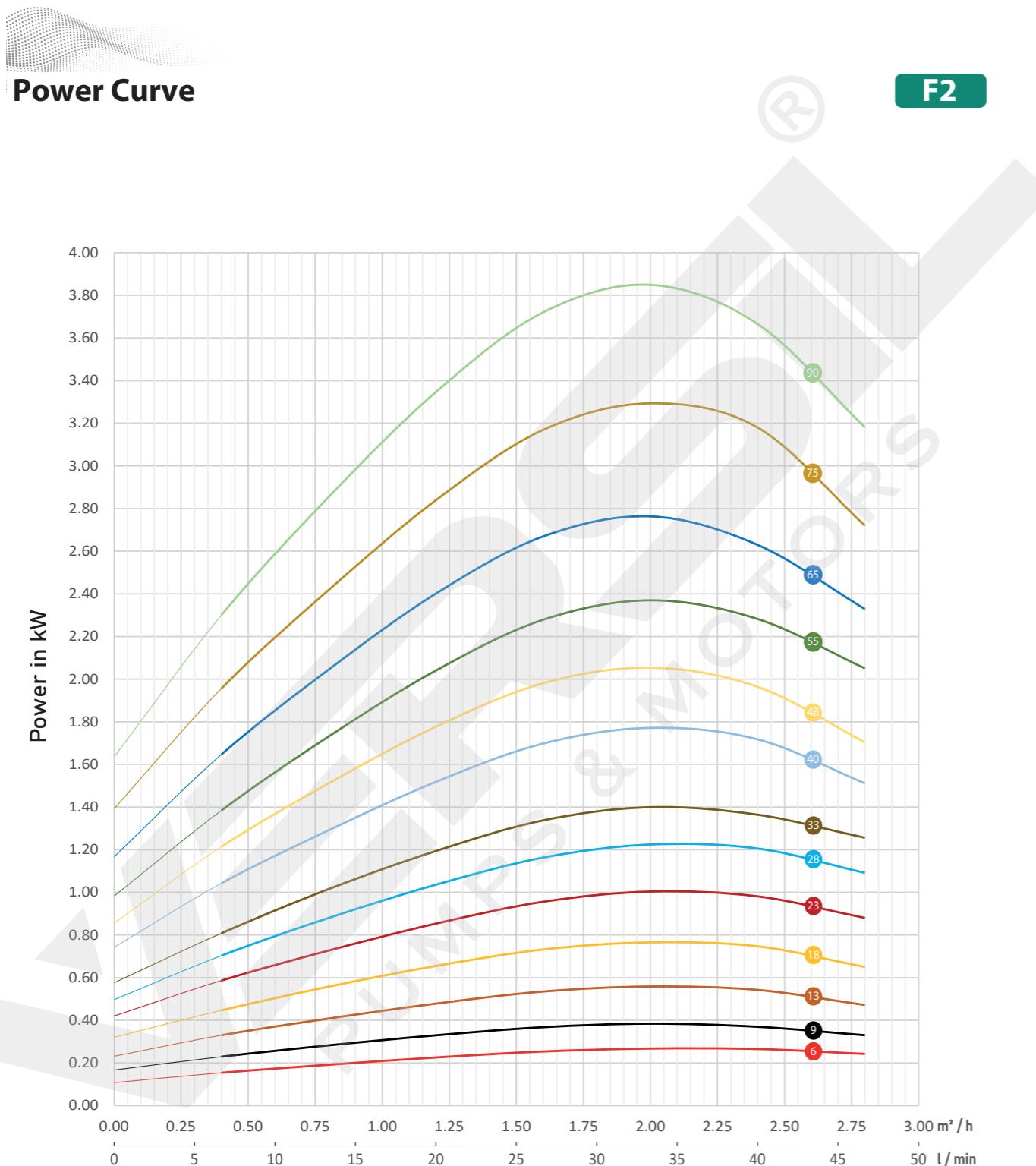
H (m)

SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)			
			M (h)		P (h)	MP(w)	PUMP		MOTOR	
			1φ	3φ			1φ	3φ	1φ	3φ
1	V4WC-0506F2	32 mm (1.25")	440	-	98	281	101	3.1	12.6	-
2	V4WC-0509F2		440	-	98	344	101	3.8	12.6	-
3	V4WC-7513F2		465	-	98	428	101	4.8	14.0	-
4	V4WC-1018F2		490	-	98	533	101	6.0	15.4	-
5	V4WC-1523F2		540	-	98	673	101	9.1	18.1	-
6	V4WC-2028F2		645	625	97	778	101	10.4	24.4	24.3
7	V4WC-2033F2		645	625	97	914	101	12.1	24.4	24.3
8	V4WC-3040F2		685	665	97	1061	101	13.9	27.2	25.4
9	V4WC-3048F2		685	665	97	1260	101	15.9	27.2	25.4
10	V4WC-4055F2		-	715	97	1407	101	18.2	-	27.9
11	V4WC-4065F2		-	715	97	1617	101	20.7	-	27.9
12	V4WC-5575F2		-	785	97	2341	108	43.5	-	31.3
13	V4WC-5590F2		-	785	97	2682	108	50.3	-	31.3

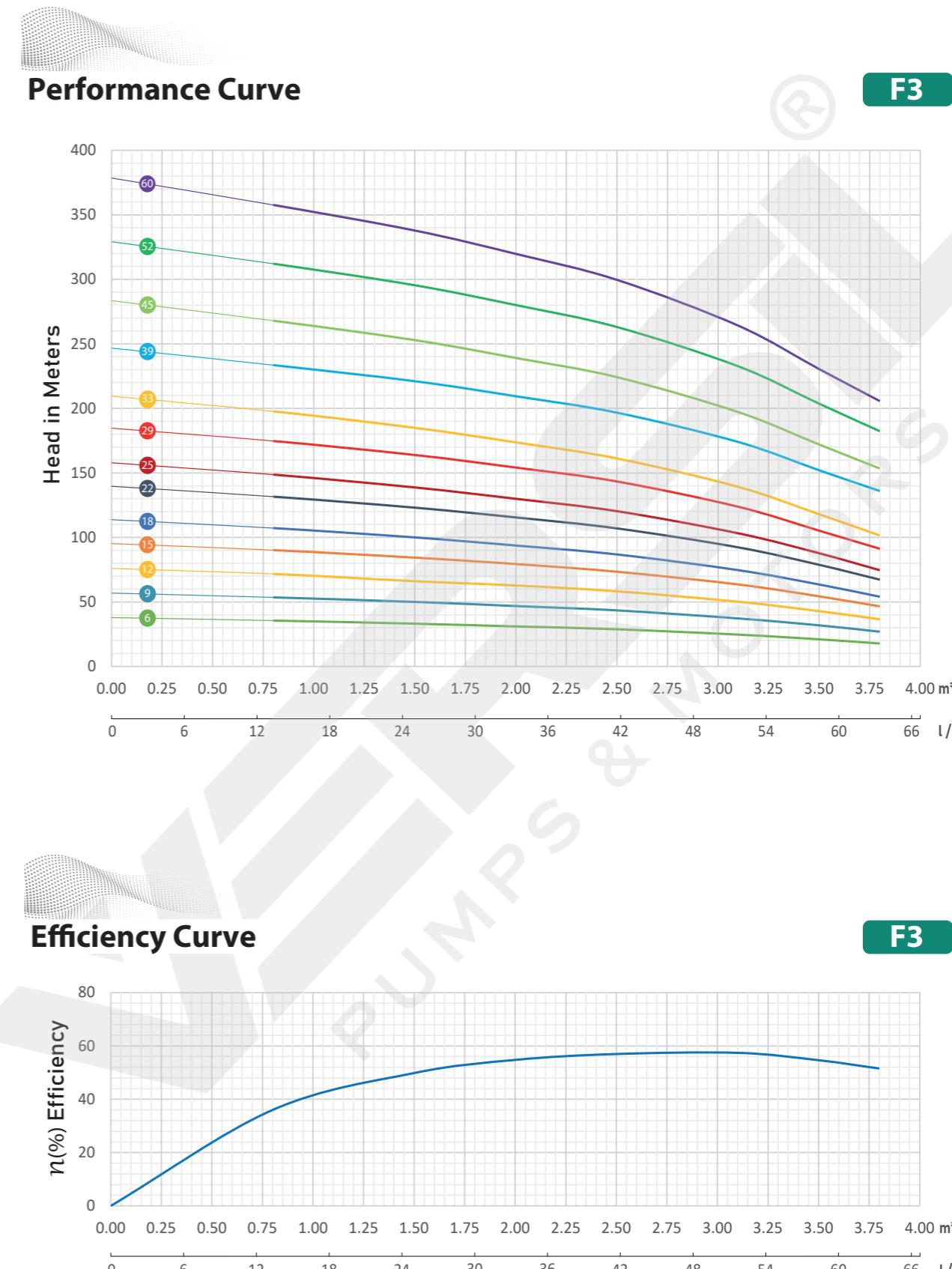
Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.
V4WC-5575F2 and V4WC-5590F2 model is with an outer sleeve.



F2 Pump Power Curve



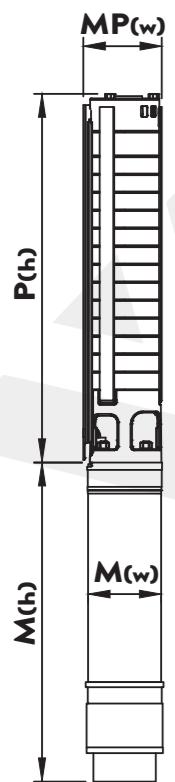
F3 Pump Performance & Efficiency Curve



F3 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 32 mm (1.25")	FLOW Q										
		kW	HP				0.00	0.80	1.50	2.00	2.50	3.10	3.50	3.80			
1	V4WC - 0506F3	0.37	0.50	H (m)	6	1	38	36	33	31	29	25	21	18			
2	V4WC - 7509F3	0.55	0.75		9	1	57	54	50	47	43	37	32	27			
3	V4WC - 1012F3	0.75	1.00		12	1	76	72	66	63	58	50	43	37			
4	V4WC - 1515F3	1.10	1.50		15	1	95	90	84	79	73	64	54	47			
5	V4WC - 1518F3	1.10	1.50		18	1	114	107	100	94	87	75	64	54			
6	V4WC - 2022F3	1.50	2.00		22	1&3	140	132	123	115	107	92	79	67			
7	V4WC - 2025F3	1.50	2.00		25	1&3	158	149	139	130	120	103	88	75			
8	V4WC - 3029F3	2.20	3.00		29	1&3	185	175	164	154	143	124	105	91			
9	V4WC - 3033F3	2.20	3.00		33	1&3	209	198	185	174	161	139	118	102			
10	V4WC - 4039F3	3.00	4.00		39	3	247	234	221	209	197	174	152	136			
11	V4WC - 4045F3	3.00	4.00		45	3	283	268	253	239	224	197	172	153			
12	V4WC - 5552F3	4.00	5.50		52	3	329	312	295	280	263	233	204	182			
13	V4WC - 5560F3	4.00	5.50		60	3	379	358	338	320	300	264	230	206			

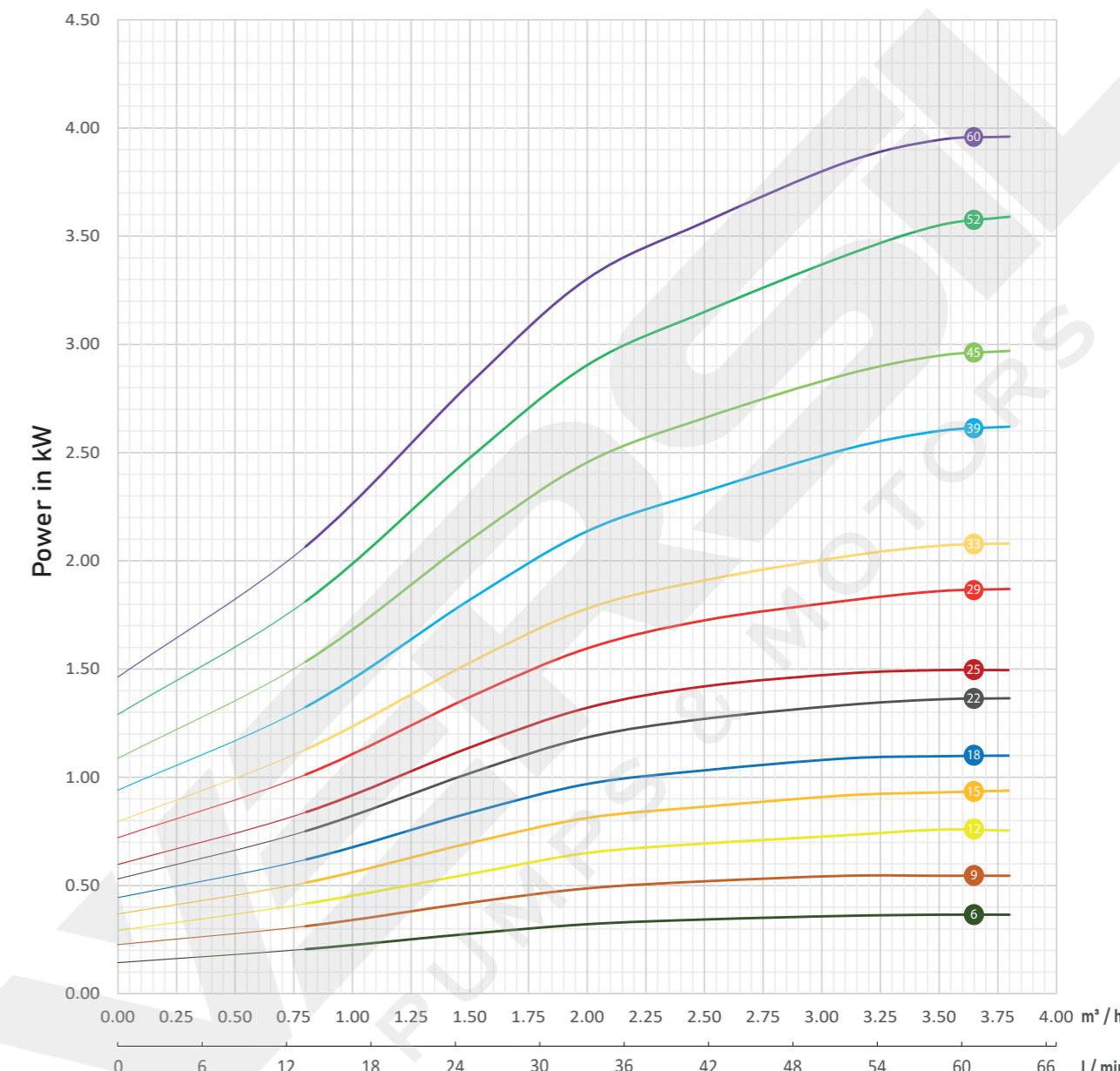


SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)		
			M (h)		P (h)	MP(w)	PUMP	MOTOR	
			1 φ	3 φ				1 φ	3 φ
1	V4WC - 0506F3	32 mm (1.25")	440	-	98	281	101	3.1	12.6
2	V4WC - 7509F3		465	-	98	344	101	3.8	14.0
3	V4WC - 1012F3		490	-	98	407	101	4.5	15.4
4	V4WC - 1515F3		540	-	98	470	101	5.3	18.1
5	V4WC - 1518F3		540	-	98	533	101	6.0	18.1
6	V4WC - 2022F3		645	625	97	652	101	8.8	24.4
7	V4WC - 2025F3		645	625	97	715	101	9.6	24.4
8	V4WC - 3029F3		685	665	97	799	101	10.6	27.2
9	V4WC - 3033F3		685	665	97	914	101	12.1	27.2
10	V4WC - 4039F3		-	715	97	1040	101	13.6	-
11	V4WC - 4045F3		-	715	97	1166	101	15.2	-
12	V4WC - 5552F3		-	785	97	1344	101	17.4	-
13	V4WC - 5560F3		-	785	97	1512	101	19.5	-

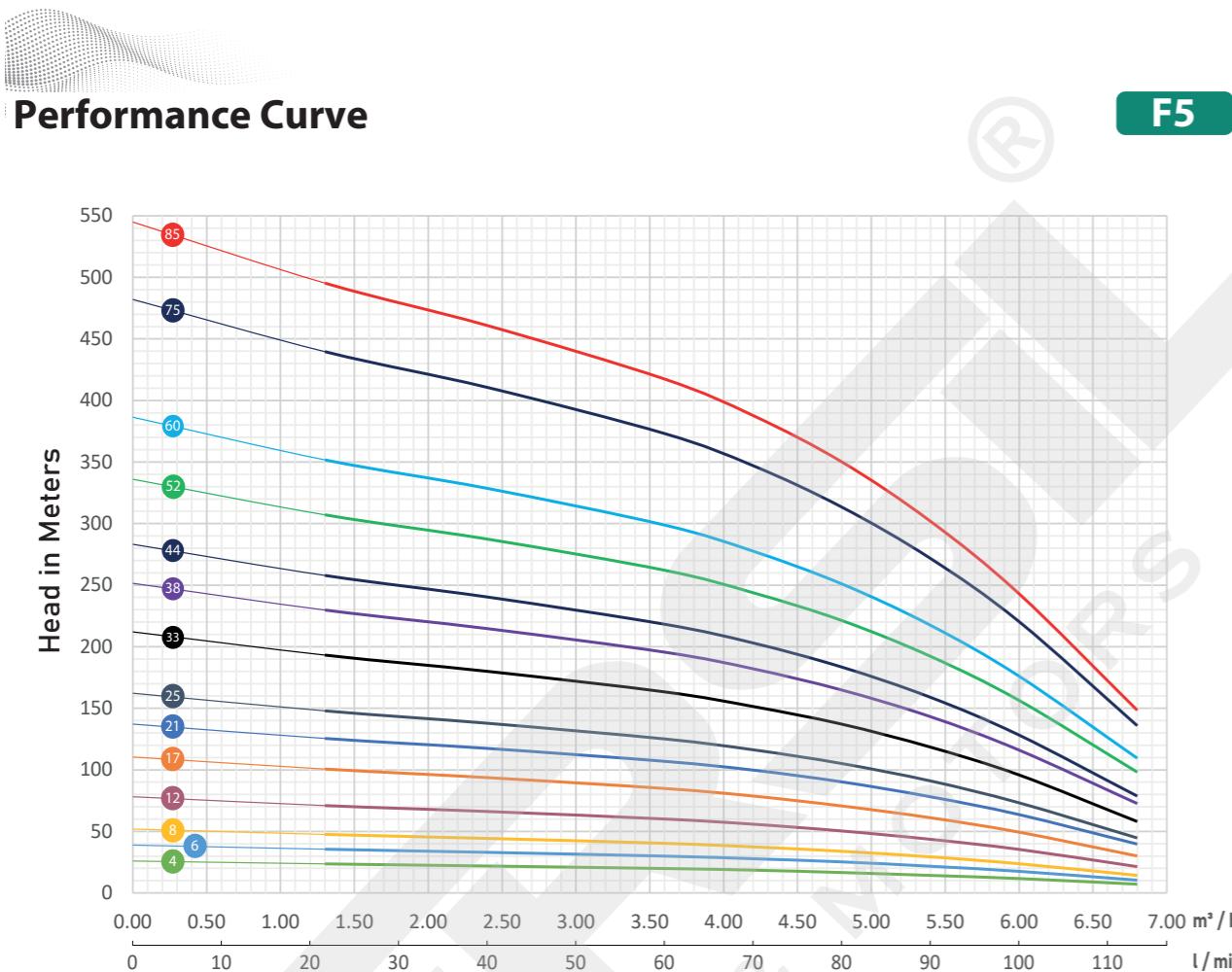
Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F3 Pump Power Curve

Power Curve

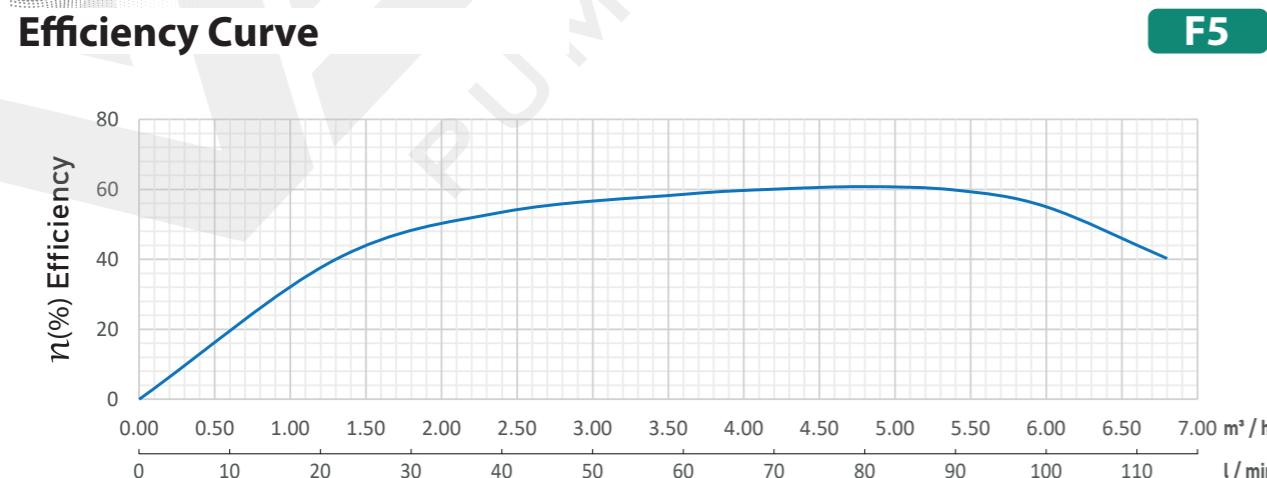


F5 Pump Performance & Efficiency Curve



Efficiency Curve

F5

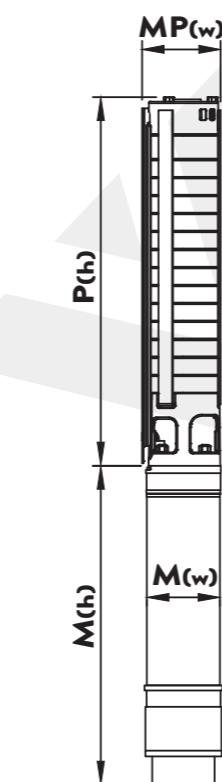


The graph plots Efficiency (%) (y-axis, 0 to 80) against Flow Q (l/min) and Flow Q (m^3/h) (x-axis, 0.00 to 7.00). The curve represents the efficiency of the F5 pump across its operating range.

F5 Pump Performance Chart & Dimensions



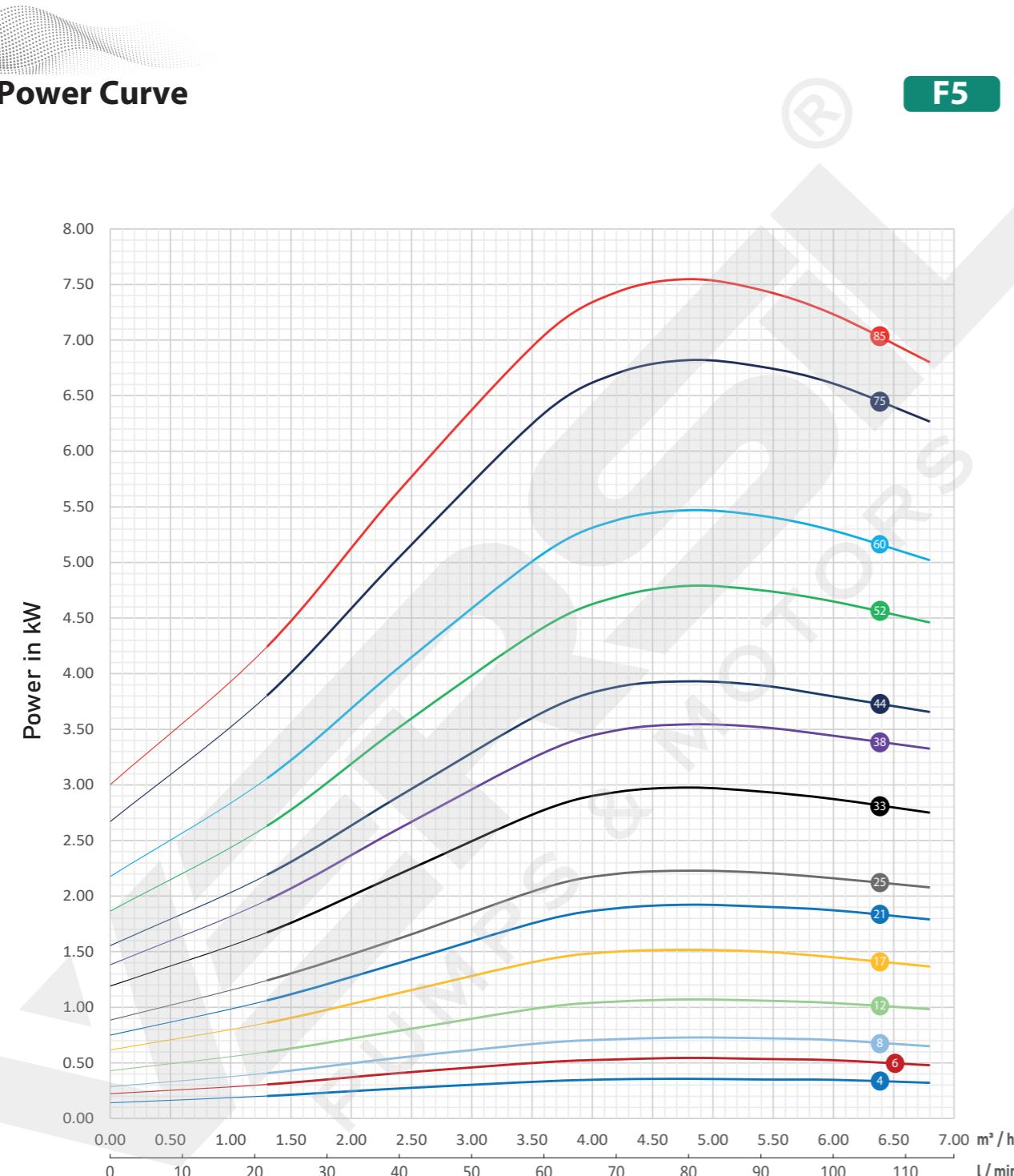
* Marked models are with V6 motor.



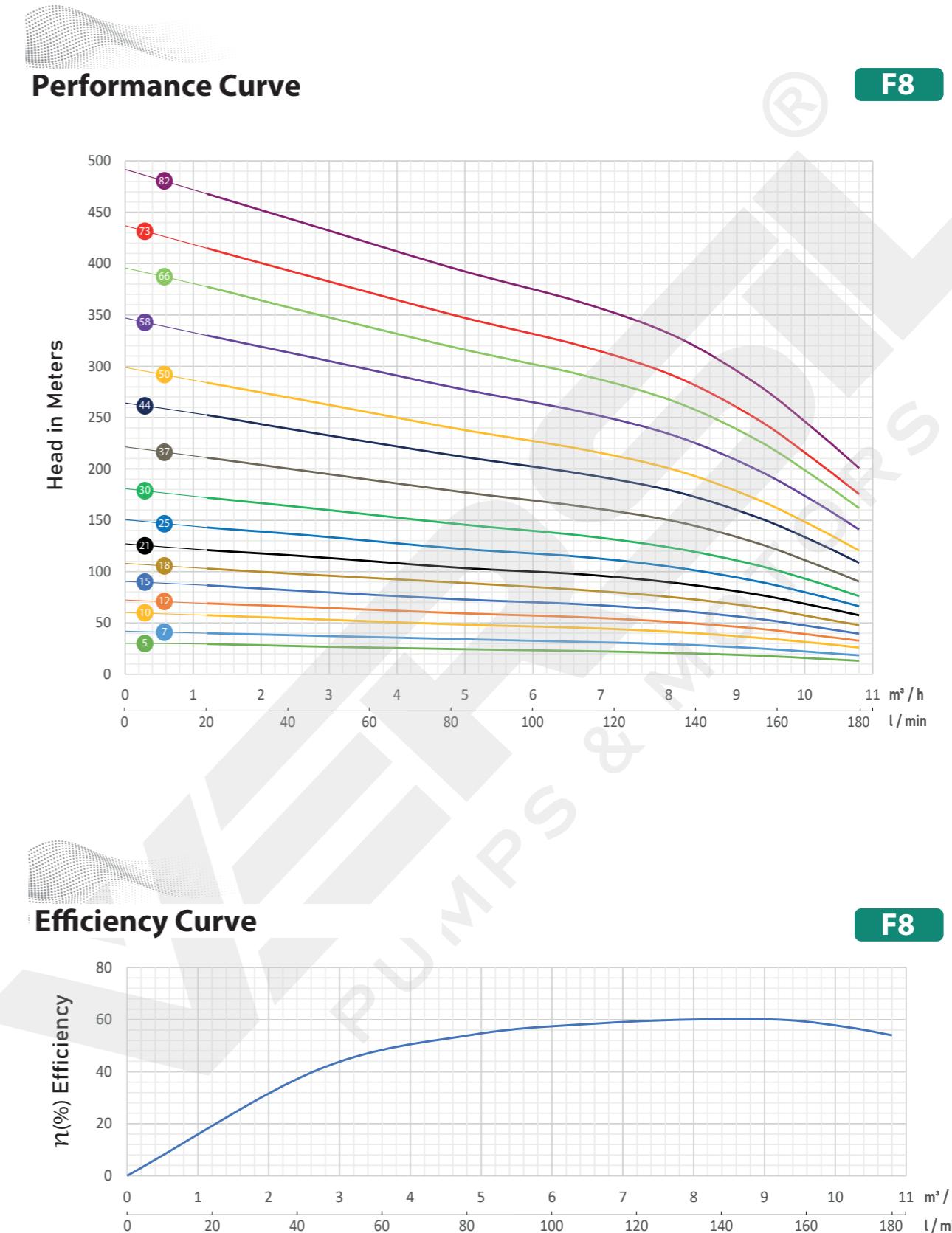
SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)		
			M (h)		P (h)	MP(w)	PUMP	MOTOR	
			1φ	3φ				1φ	3φ
1	V4WC - 0504F5	40 mm (1.5")	440	-	98	243	101	2.6	12.6
2	V4WC - 7506F5		465	-	98	287	101	3.1	14.0
3	V4WC - 1008F5		490	-	98	331	101	3.6	15.4
4	V4WC - 1512F5		540	-	98	419	101	4.5	18.1
5	V4WC - 2017F5		645	625	97	529	101	5.8	24.4
6	V4WC - 3021F5		685	665	97	652	101	8.6	27.2
7	V4WC - 3025F5		685	665	97	740	101	9.6	27.2
8	V4WC - 4033F5		-	715	97	947	101	12.1	-
9	V4WC - 5538F5		-	785	97	1057	101	13.4	-
10	V4WC - 5544F5		-	785	97	1189	101	14.9	-
11	V4WC - 7552F5		-	865	97	1396	101	17.4	-
12	V4WC - 7560F5		-	865	97	1572	101	19.5	-
13	V6WC - 1075F5		-	740	142	2341	142	43.5	-
14	V6WC - 1085F5		-	740	142	2568	142	48.1	-

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor. V6WC-1075F5 and V6WC-1085F5 model is with an outer sleeve.

F5 Pump Power Curve



F8 Pump Performance & Efficiency Curve

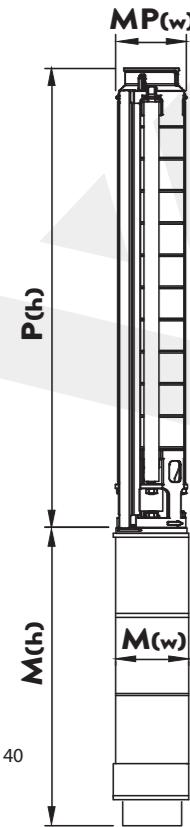


F8 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 50 mm (2")	FLAW Q												
							m³ / h		0.00	2.70	4.90	6.70	8.10	9.30	10.20	10.80			
		kW	HP				l / min		0	45	82	112	135	155	170	180			
1	V4WC-1005F8	0.75	1.00	50 mm (2")	1	30	27	24	23	21	18	15	13						
2	V4WC-1507F8	1.10	1.50		1	42	38	34	32	29	25	21	18						
3	V4WC-2010F8	1.50	2.00		10	60	54	48	45	41	36	30	26						
4	V4WC-3012F8	2.20	3.00		12	72	65	59	56	51	44	38	33						
5	V4WC-3015F8	2.20	3.00		15	90	81	73	68	62	54	46	40						
6	V4WC-4018F8	3.00	4.00		18	108	97	89	82	75	65	55	48						
7	V4WC-5521F8	4.00	5.50		21	127	115	104	97	89	78	66	57						
8	V4WC-5525F8	4.00	5.50		25	151	135	122	114	104	90	77	66						
9	V4WC-7530F8	5.50	7.50		30	181	162	146	135	123	106	89	76						
10	V4WC-7537F8	5.50	7.50		37	221	198	178	164	149	128	106	90						
11	V4WC-1044F8	7.50	10.00		44	264	236	212	195	178	153	128	108						
12	V4WC-1050F8	7.50	10.00		50	299	266	239	219	199	170	142	120	*					
13	V6WC-1044F8	7.50	10.00		44	264	236	212	195	178	153	128	108	*					
14	V6WC-1050F8	7.50	10.00		50	299	266	239	219	199	170	142	120	*					
15	V6WC-12558F8	9.30	12.50		58	347	309	278	256	232	199	166	141	*					
16	V6WC-1566F8	11.00	15.00		66	396	353	318	292	265	228	190	162	*					
17	V6WC-1573F8	11.00	15.00		73	437	388	349	320	290	248	206	175	*					
18	V6WC-1582F8	11.00	15.00		82	492	438	394	362	329	282	235	201	*					

* Marked models are with V6 motor.

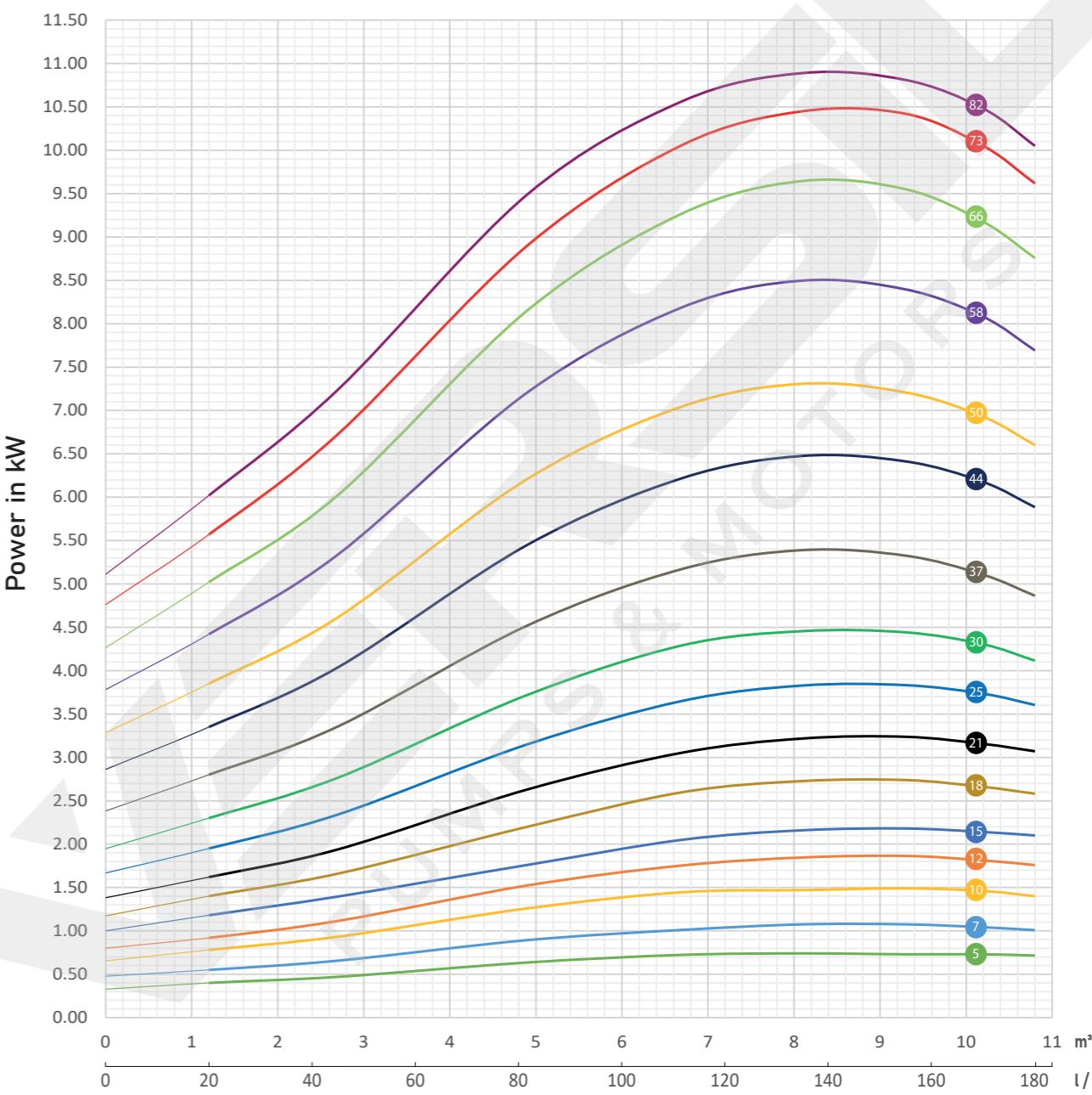


SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)			
			M (h)		M (w)	P (h)	MP(w)	PUMP	MOTOR	
			1 φ	3 φ					1 φ	3 φ
1	V4WC-1005F8	50 mm (2")	490	-	98	450	101	6.0	15.4	-
2	V4WC-1507F8		540	-	98	536	101	7.1	18.1	-
3	V4WC-2010F8		645	625	97	665	101	8.8	24.4	24.3
4	V4WC-3012F8		685	665	97	751	101	9.9	27.2	25.4
5	V4WC-3015F8		685	665	97	880	101	11.6	27.2	25.4
6	V4WC-4018F8		-	715	97	1009	101	13.3	-	27.9
7	V4WC-5521F8		-	785	97	1138	101	15.0	-	31.3
8	V4WC-5525F8		-	785	97	1310	101	17.2	-	31.3
9	V4WC-7530F8		-	865	97	1525	101	20.0	-	35.3
10	V4WC-7537F8		-	865	97	1826	101	24.1	-	35.3
11	V4WC-1044F8		-	945	97	2127	101	27.9	-	39.3
12	V4WC-1050F8		-	945	97	2385	101	31.3	-	39.3
13	V6WC-1044F8		-	740	142	2173	142	28.9	-	57.3
14	V6WC-1050F8		-	740	142	2431	142	32.3	-	57.3
15	V6WC-12558F8		-	765	142	3083	142	58.6	-	62.4
16	V6WC-1566F8		-	795	142	3427	142	65.2	-	67.4
17	V6WC-1573F8		-	795	142	3728	142	71.4	-	67.4
18	V6WC-1582F8		-	795	142	4115	142	79.4	-	67.4

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.
V6WC-12558F8 to V6WC-1582F8 model is with an outer sleeve.

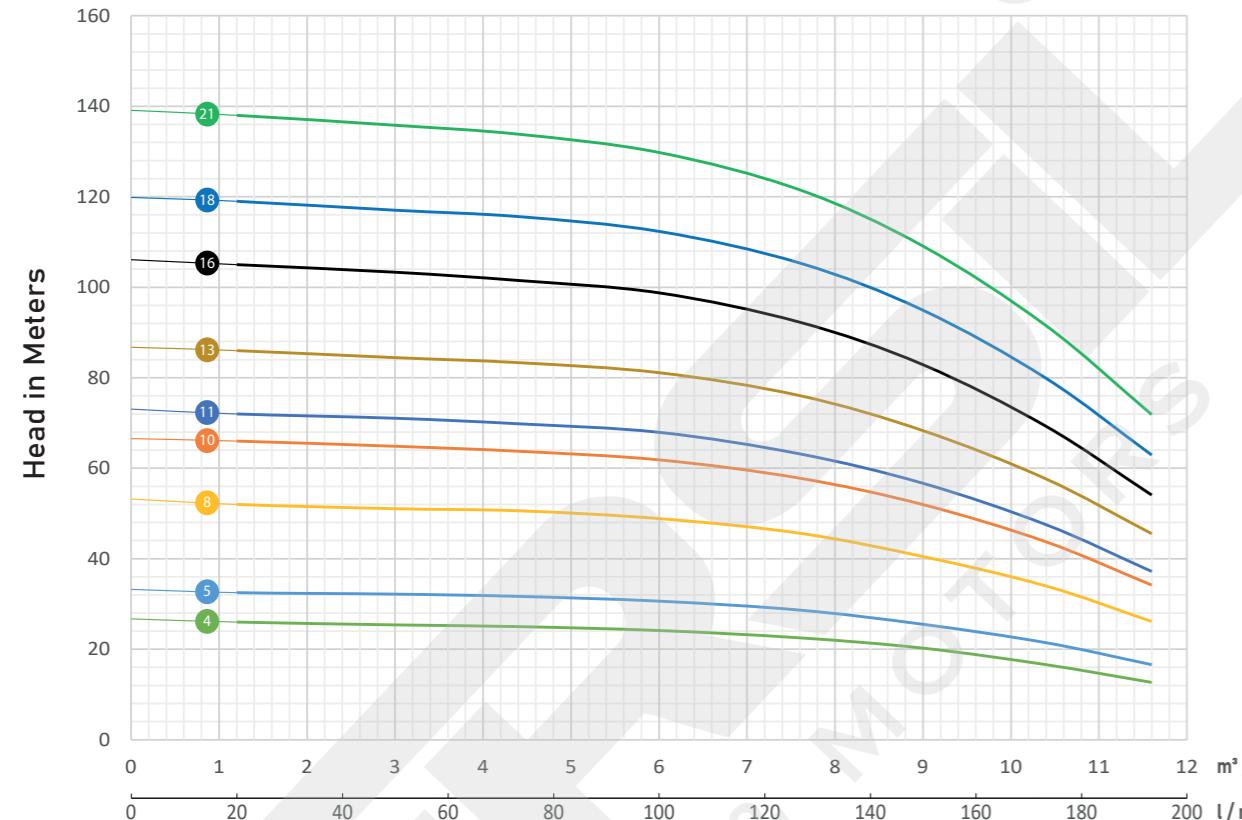
F8 Pump Power Curve

Power Curve



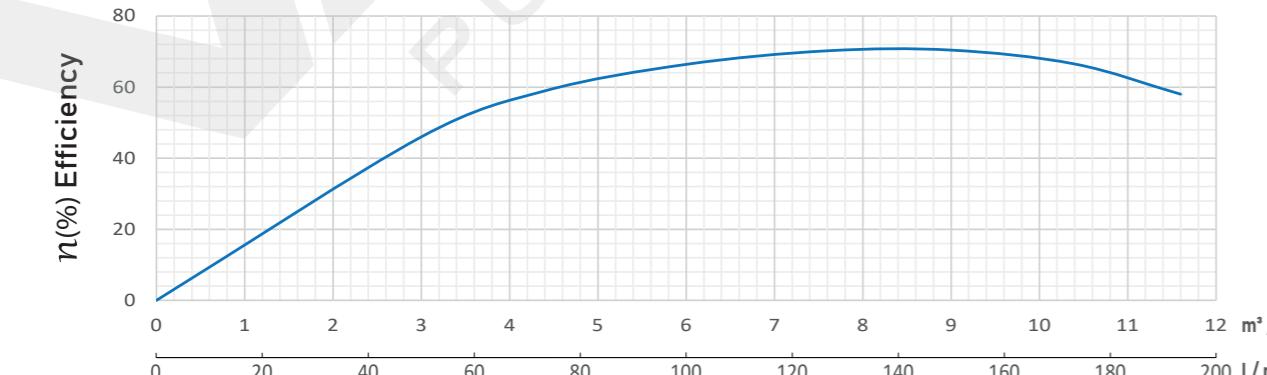
F9 Pump Performance & Efficiency Curve

Performance Curve



F9

Efficiency Curve

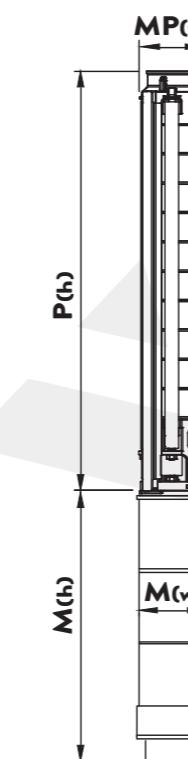


F9

F9 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING	STAGE	PHASE	DELIVERY SIZE 50 mm (2")	FLOW Q										
						m³ / h		l / min		0.00		3.00		4.40		
						0	50	73	100	127	150	173	193	20	17	13
1	V4WC-1004F9	0.75	1.00	4	H (m)	27	25	25	24	23	20	17	13			
2	V4WC-1505F9	1.10	1.50	5		33	32	32	31	29	26	21	17			
3	V4WC-2008F9	1.50	2.00	8		53	51	51	49	46	40	34	26			
4	V4WC-3010F9	2.20	3.00	10		67	65	64	62	58	52	44	34			
5	V4WC-3011F9	2.20	3.00	11		73	71	70	68	63	57	48	37			
6	V4WC-4013F9	3.00	4.00	13		87	84	83	81	76	68	58	46			
7	V4WC-4016F9	3.00	4.00	16		106	103	102	99	92	83	69	54			
8	V4WC-5518F9	4.00	5.50	18		120	117	116	112	105	95	80	63			
9	V4WC-5521F9	4.00	5.50	21		139	136	134	130	122	109	91	72			

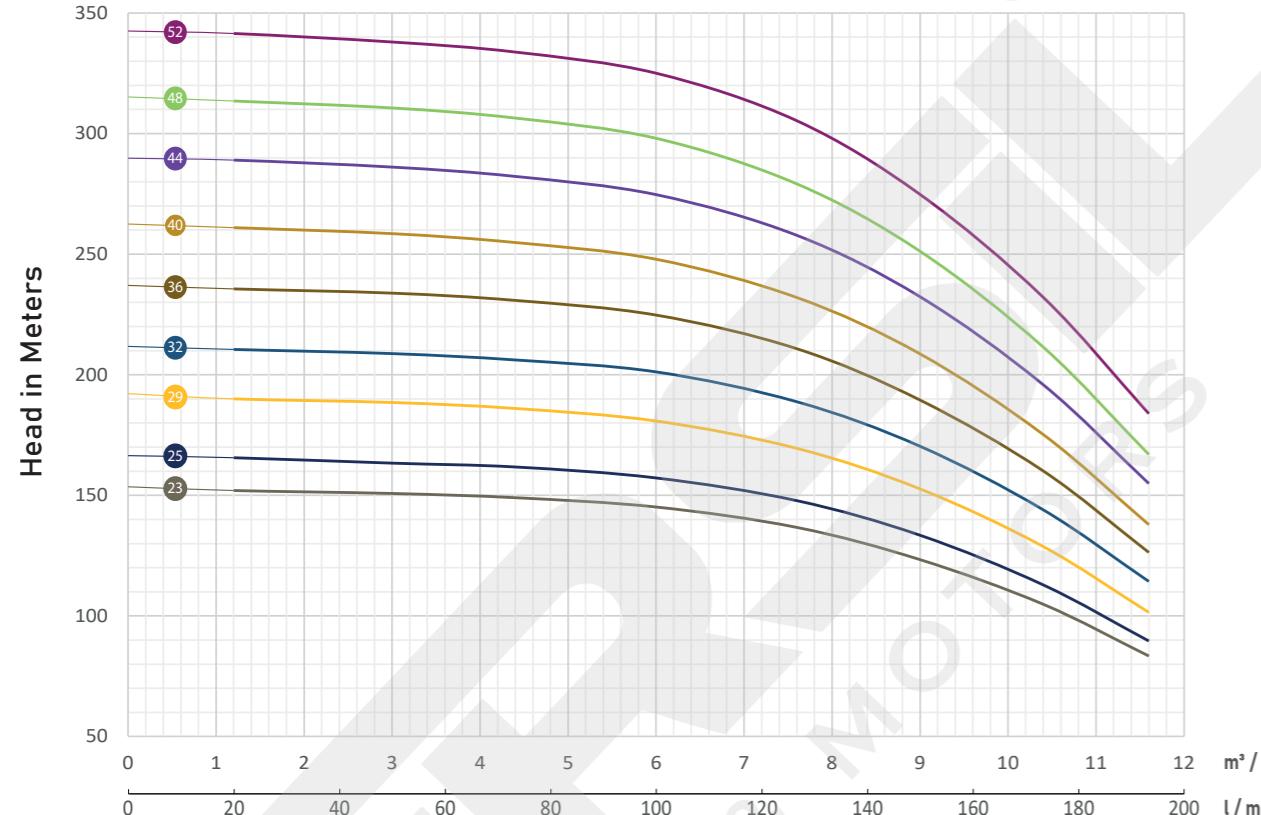


SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)			
			M (h)		M (w)	P (h)	MP(w)	PUMP		
			1 φ	3 φ				1 φ	3 φ	
1	V4WC-1004F9	50 mm (2")	490	-	98	413	101	4.9	15.4	-
2	V4WC-1505F9		540	-	98	463	101	5.5	18.1	-
3	V4WC-2008F9		645	625	97	613	101	7.7	24.4	24.3
4	V4WC-3010F9		685	665	97	713	101	8.4	27.2	25.4
5	V4WC-3011F9		685	665	97	763	101	9.6	27.2	25.4
6	V4WC-4013F9		-	715	97	863	101	10.1	-	27.9
7	V4WC-4016F9		-	715	97	1013	101	11.8	-	27.9
8	V4WC-5518F9		-	785	97	1113	101	12.9	-	31.3
9	V4WC-5521F9		-	785	97	1263	101	14.6	-	31.3

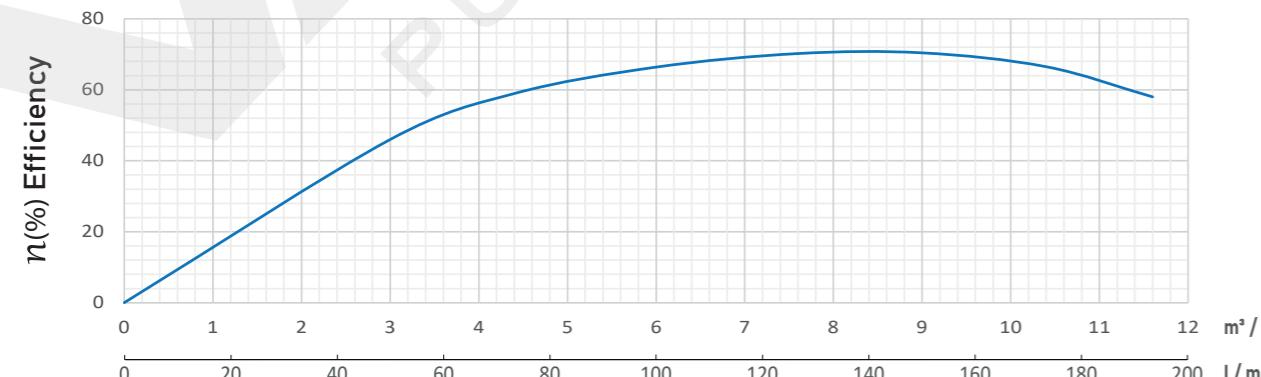
Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F9 Pump Performance & Efficiency Curve

Performance Curve



Efficiency Curve

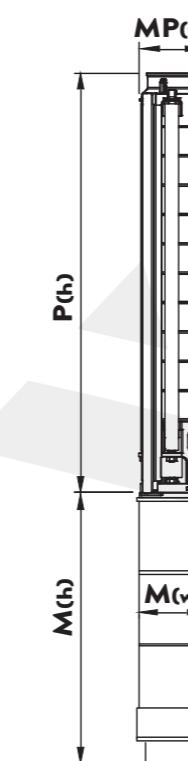


F9 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING	STAGE	PHASE	DELIVERY SIZE 50 mm (2")	FLOW Q									
						m³ / h		l / min							
						kW	HP	0.00	3.00	4.40	6.00	7.60	9.00		
10	V4WC - 7523F9	5.50	7.50	23	3			154	151	149	145	137	123	105	83
11	V4WC - 7525F9	5.50	7.50	25	3			166	163	162	157	148	133	113	90
12	V4WC - 7529F9	5.50	7.50	29	3			192	189	186	181	169	153	129	101
13	V4WC - 1032F9	7.50	10.00	32	3			212	209	206	201	189	170	144	114
14	V4WC - 1036F9	7.50	10.00	36	3			237	234	231	225	211	190	160	126
15	V4WC - 1040F9	7.50	10.00	40	3			263	259	255	248	232	209	175	138
16	V6WC - 1032F9	7.50	10.00	32	3			212	209	206	201	189	170	144	114
17	V6WC - 1036F9	7.50	10.00	36	3			237	234	231	225	211	190	160	126
18	V6WC - 1040F9	7.50	10.00	40	3			263	259	255	248	232	209	175	138
19	V6WC - 12544F9	9.30	12.50	44	3			290	286	282	275	258	232	196	155
20	V6WC - 12548F9	9.30	12.50	48	3			315	311	306	298	279	251	211	167
21	V6WC - 1552F9	11.00	15.00	52	3			343	338	334	325	305	275	232	184

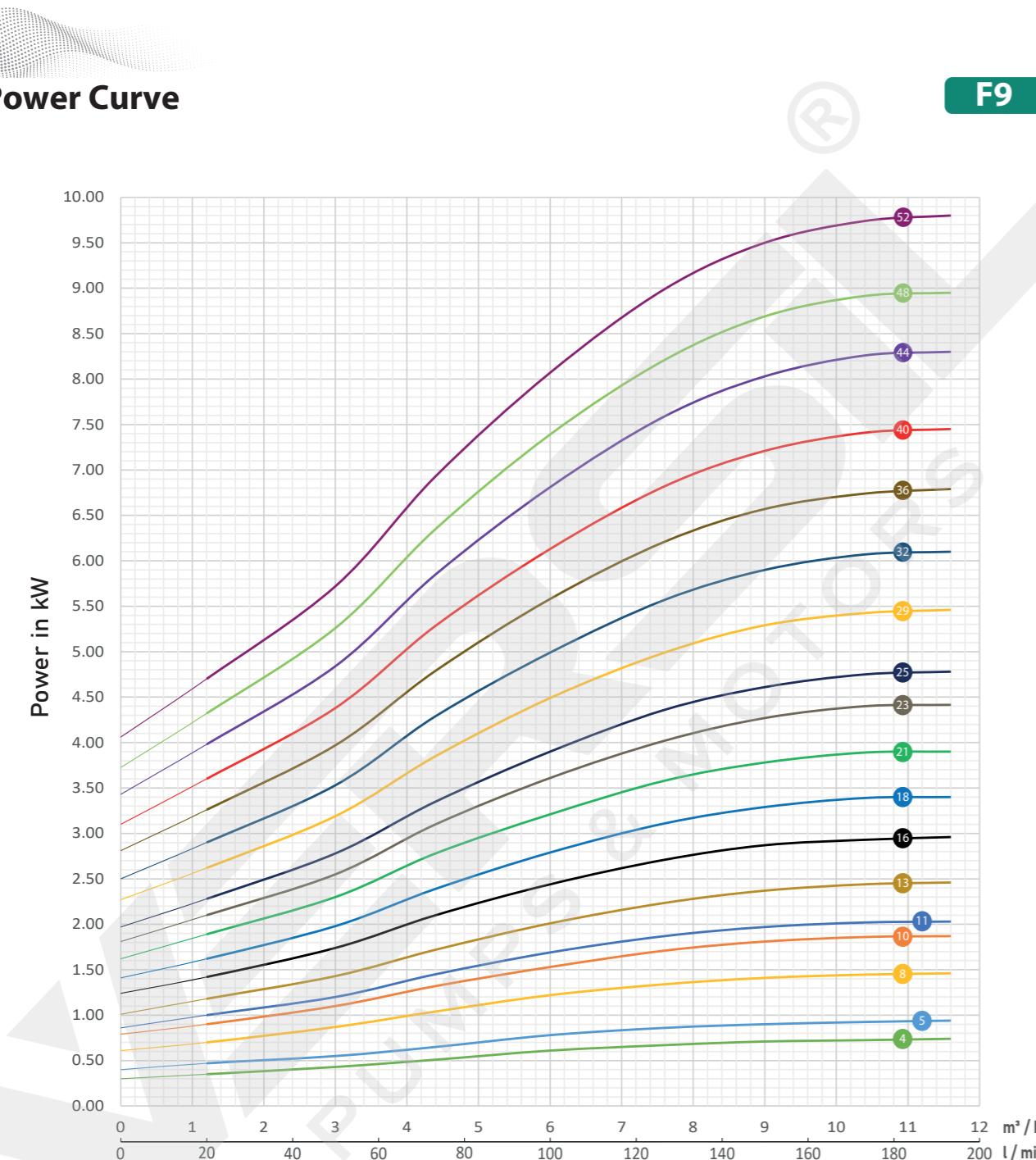
* Marked models are with V6 motor.



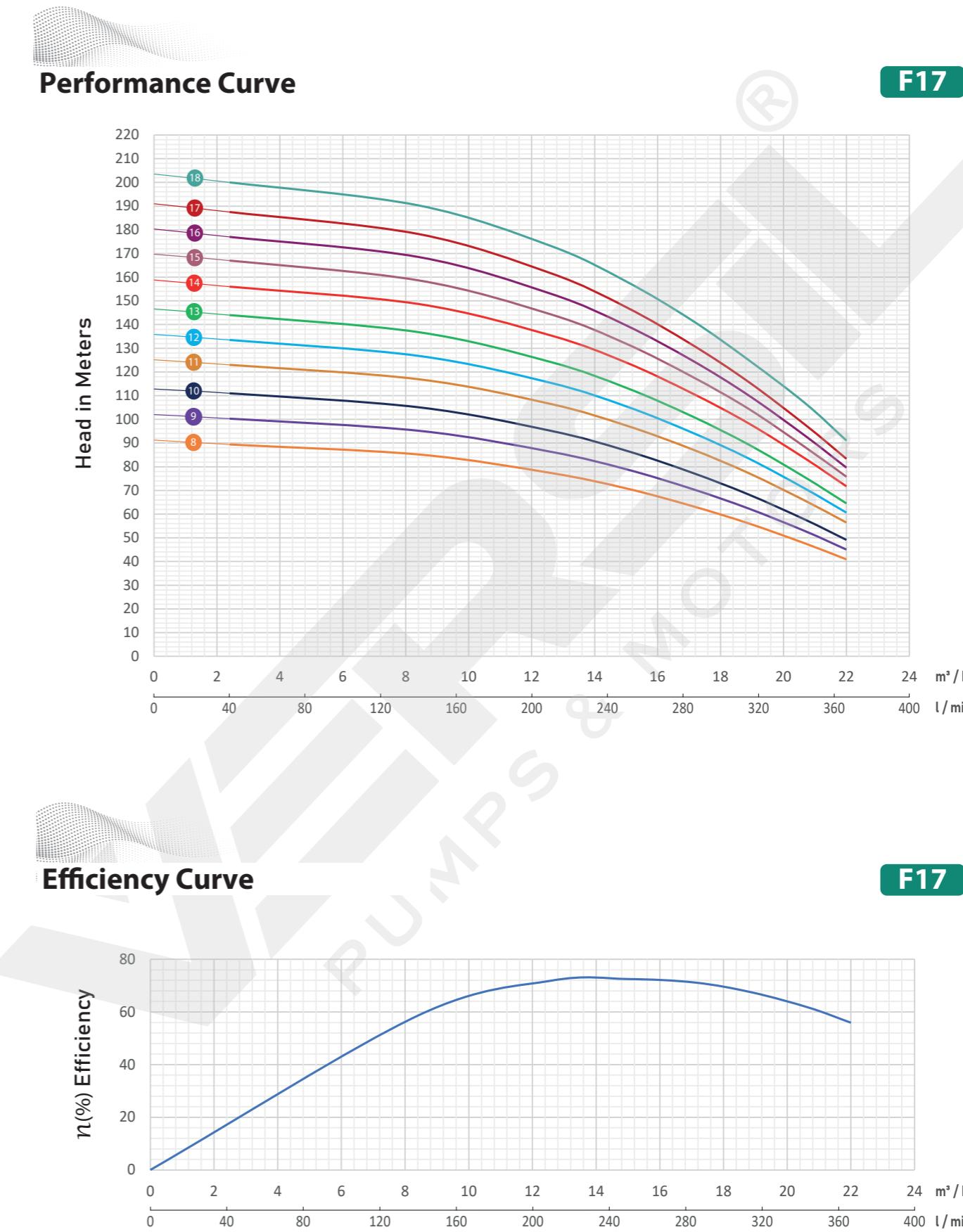
SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)			
			M (h)		M (w)	P (h)	MP(w)	PUMP	MOTOR	
			1 φ	3 φ				1 φ	3 φ	
10	V4WC - 7523F9	50 mm (2")	-	865	97	1363	101	15.8	-	35.3
11	V4WC - 7525F9		-	865	97	1463	101	16.9	-	35.3
12	V4WC - 7529F9		-	865	97	1663	101	19.2	-	35.3
13	V4WC - 1032F9		-	945	97	1813	101	20.9	-	39.3
14	V4WC - 1036F9		-	945	97	2013	101	23.8	-	39.3
15	V4WC - 1040F9		-	945	97	2213	101	25.5	-	39.3
16	V6WC - 1032F9		-	740	142	1859	142	21.9	-	57.3
17	V6WC - 1036F9		-	740	142	2059	142	24.8	-	57.3
18	V6WC - 1040F9		-	740	142	2259	142	26.5	-	57.3
19	V6WC - 12544F9		-	765	142	2459	142	28.7	-	62.4
20	V6WC - 12548F9		-	765	142	2659	142	31.0	-	62.4
21	V6WC - 1552F9		-	795	142	2859	142	33.3	-	67.4

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F9 Pump Power Curve



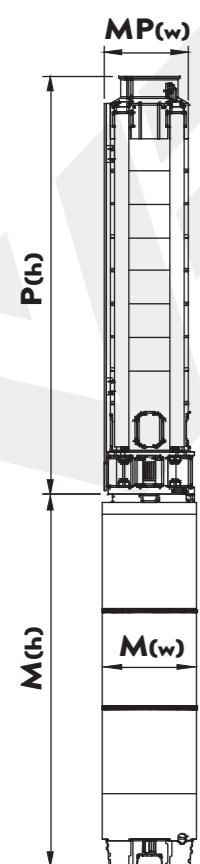
F17 Pump Performance & Efficiency Curve



F17 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 65 mm (2.5")	FLOW Q									
		KW	HP				m³/h		0.00	8.40	12.60	15.00	17.10	18.90	20.70	22.00
		l/min					0	140	210	250	285	315	345	367		
1	V6WC - 7508F17	5.50	7.50	H (m)	8	3	91	85	77	71	63	56	48	41		
2	V6WC - 7509F17	5.50	7.50		9	3	102	95	86	79	71	62	53	45		
3	V6WC - 7510F17	5.50	7.50		10	3	113	105	95	87	77	68	58	49		
4	V6WC - 1011F17	7.50	10.00		11	3	125	117	107	97	87	77	66	56		
5	V6WC - 1012F17	7.50	10.00		12	3	136	127	115	105	94	83	71	61		
6	V6WC - 1013F17	7.50	10.00		13	3	147	137	124	113	101	89	75	65		
7	V6WC - 12514F17	9.30	12.50		14	3	159	149	135	124	111	98	83	72		
8	V6WC - 12515F17	9.30	12.50		15	3	170	159	144	132	118	104	88	76		
9	V6WC - 12516F17	9.30	12.50		16	3	180	169	153	140	125	110	93	80		
10	V6WC - 12517F17	9.30	12.50		17	3	191	178	162	147	131	116	98	83		
11	V6WC - 1518F17	11.00	15.00		18	3	204	190	173	158	142	125	107	91		



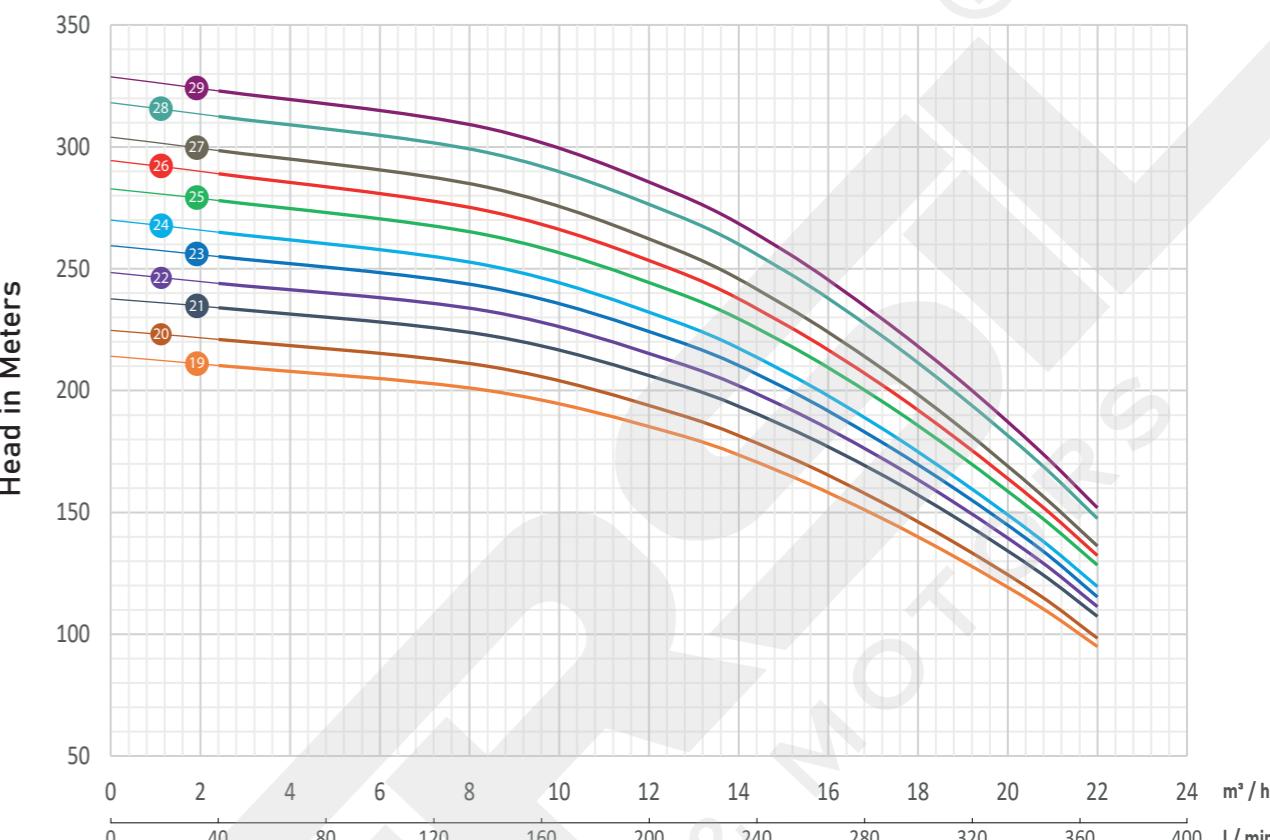
SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)			NET WEIGHT (kg)		
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
1	V6WC - 7508F17	65 mm (2.5")	690	142	777	142	18.6	52.6
2	V6WC - 7509F17		690	142	839	142	19.6	52.6
3	V6WC - 7510F17		690	142	900	142	20.6	52.6
4	V6WC - 1011F17		740	142	962	142	21.6	57.3
5	V6WC - 1012F17		740	142	1023	142	22.7	57.3
6	V6WC - 1013F17		740	142	1085	142	23.7	57.3
7	V6WC - 12514F17		765	142	1146	142	25.3	62.4
8	V6WC - 12515F17		765	142	1208	142	26.3	62.4
9	V6WC - 12516F17		765	142	1269	142	27.3	62.4
10	V6WC - 12517F17		765	142	1331	142	28.3	62.4
11	V6WC - 1518F17		795	142	1392	142	29.4	67.4

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

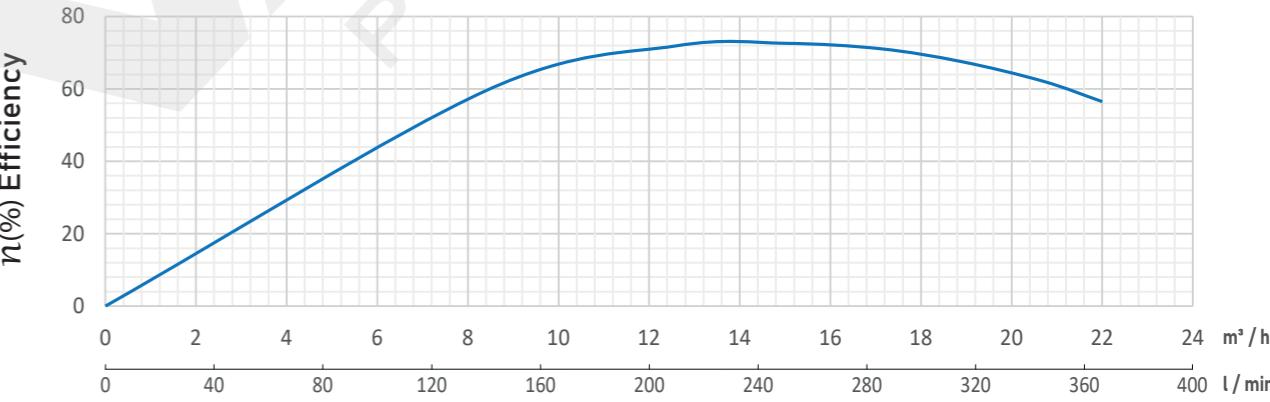
F17

F17 Pump Performance & Efficiency Curve

Performance Curve



Efficiency Curve



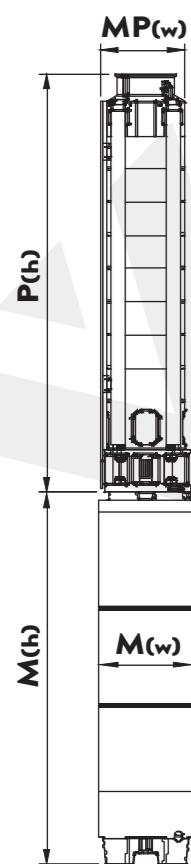
F17

F17 Pump Performance Chart & Dimensions

Performance Chart

F17

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 65 mm (2.5")	FLOW Q							
		kW	HP				0.00	8.40	12.60	15.00	17.10	18.90	20.70	22.00
		l/min					0	140	210	250	285	315	345	367
12	V6WC - 1519F17	11.00	15.00	19	3	H (m)	214	200	182	166	148	131	111	95
13	V6WC - 1520F17	11.00	15.00	20	3		225	210	191	174	155	137	116	98
14	V6WC - 17521F17	13.00	17.50	21	3		238	223	203	186	166	147	126	107
15	V6WC - 17522F17	13.00	17.50	22	3		248	233	212	194	173	153	130	111
16	V6WC - 17523F17	13.00	17.50	23	3		259	242	220	201	180	159	135	115
17	V6WC - 17524F17	13.00	17.50	24	3		270	251	228	208	186	164	139	120
18	V6WC - 2025F17	15.00	20.00	25	3		283	264	240	220	197	174	149	128
19	V6WC - 2026F17	15.00	20.00	26	3		294	274	249	228	204	180	153	132
20	V6WC - 2027F17	15.00	20.00	27	3		304	283	258	235	210	186	158	136
21	V6WC - 2528F17	18.50	25.00	28	3		318	298	272	249	224	198	170	147
22	V6WC - 2529F17	18.50	25.00	29	3		329	308	281	258	231	205	176	152



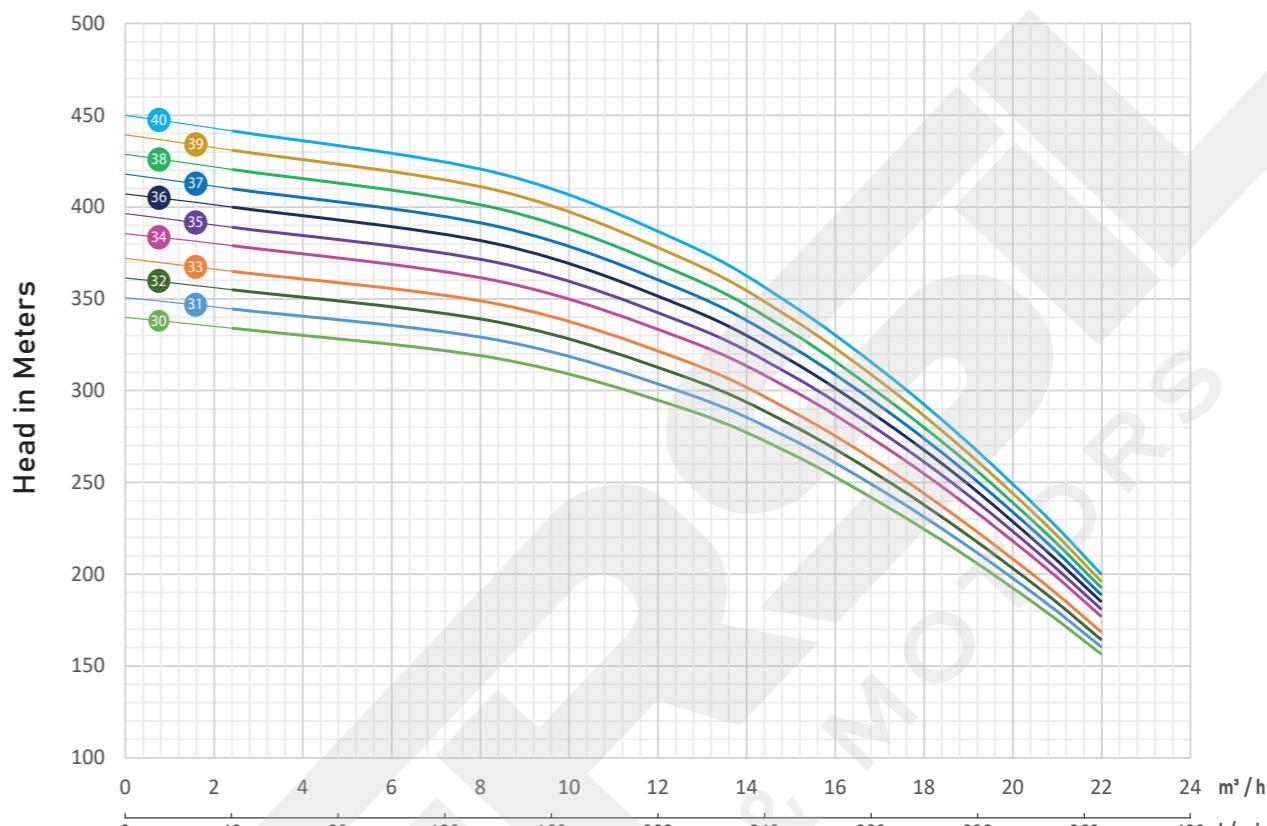
SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)	
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
12	V6WC - 1519F17	65 mm (2.5")	795	142	1454	142	30.4	67.4
13	V6WC - 1520F17		795	142	1515	142	31.4	67.4
14	V6WC - 17521F17		835	142	1577	142	32.4	74.1
15	V6WC - 17522F17		835	142	1638	142	33.4	74.1
16	V6WC - 17523F17		835	142	1700	142	34.5	74.1
17	V6WC - 17524F17		835	142	1761	142	35.5	74.1
18	V6WC - 2025F17		900	142	1823	142	36.5	79.7
19	V6WC - 2026F17		900	142	1884	142	37.5	79.7
20	V6WC - 2027F17		900	142	1946	142	38.5	79.7
21	V6WC - 2528F17		980	142	2007	142	39.6	86.7
22	V6WC - 2529F17		980	142	2069	142	40.6	86.7

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F17 Pump Performance & Efficiency Curve

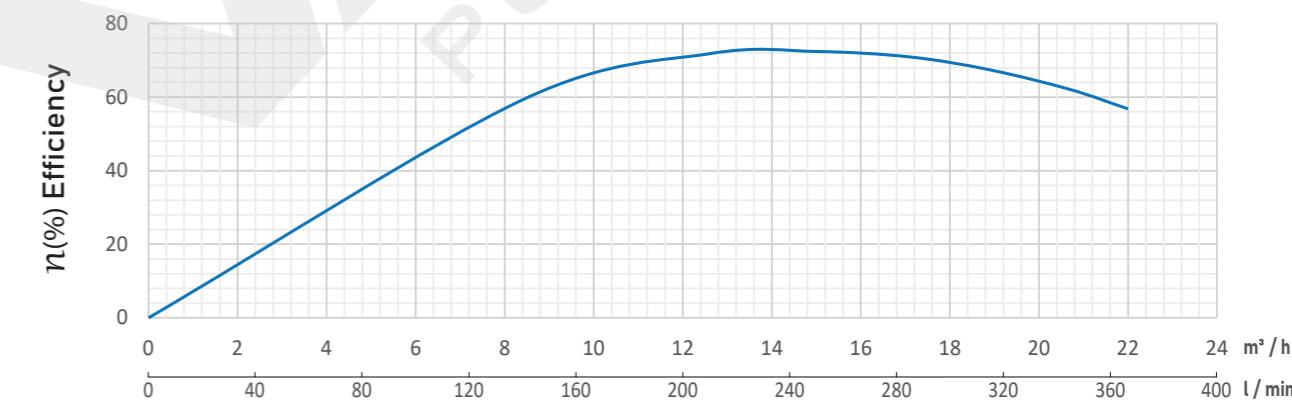
Performance Curve

F17



Efficiency Curve

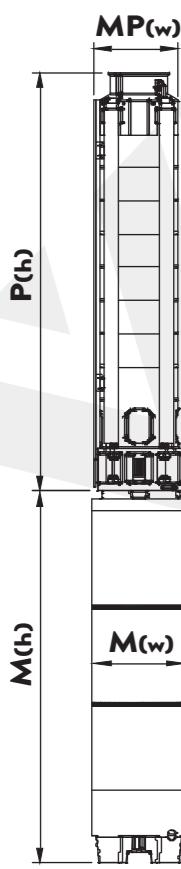
F17



F17 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 65 mm (2.5")	FLOW Q										
		kW	HP				0.00	8.40	12.60	15.00	17.10	18.90	20.70	22.00			
23	V6WC - 2530F17	18.50	25.00	H (m)	30	3	340	317	290	266	238	211	180	156			
24	V6WC - 2531F17	18.50	25.00		31	3	351	327	299	274	245	217	185	160			
25	V6WC - 2532F17	18.50	25.00		32	3	361	337	308	281	252	223	190	164			
26	V6WC - 2533F17	18.50	25.00		33	3	372	347	316	289	259	228	195	168			
27	V6WC - 3034F17	22.00	30.00		34	3	386	360	328	301	270	239	204	177			
28	V6WC - 3035F17	22.00	30.00		35	3	396	370	337	309	276	245	209	181			
29	V6WC - 3036F17	22.00	30.00		36	3	407	380	346	316	283	251	214	185			
30	V6WC - 3037F17	22.00	30.00		37	3	418	389	354	324	290	256	219	189			
31	V6WC - 3038F17	22.00	30.00		38	3	429	399	363	332	296	262	223	192			
32	V6WC - 3039F17	22.00	30.00		39	3	439	409	372	339	303	268	228	196			
33	V6WC - 3040F17	22.00	30.00		40	3	450	418	380	347	310	274	233	200			

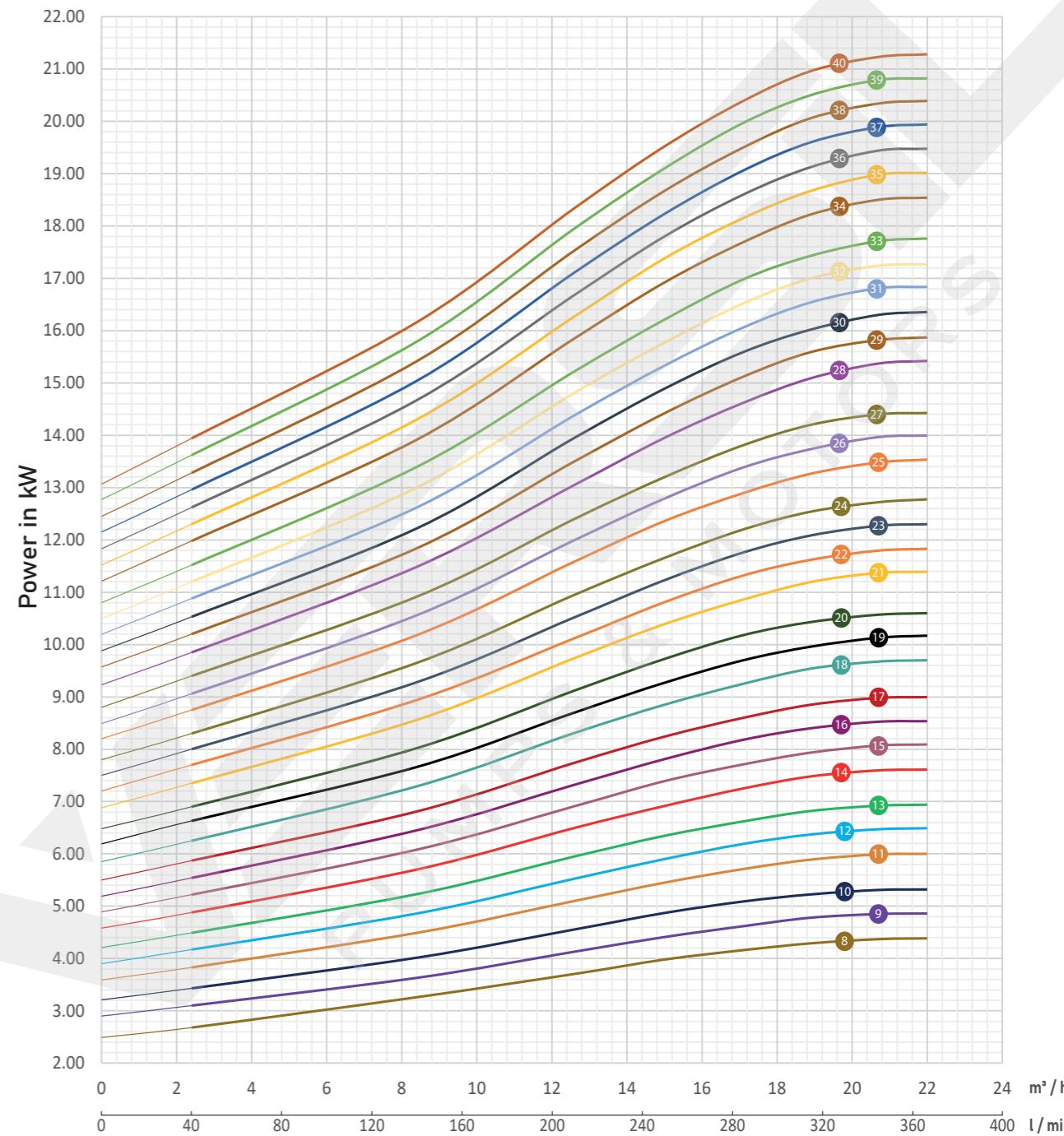


SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)	
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
23	V6WC - 2530F17	65 mm (2.5")	980	142	2130	142	41.6	86.7
24	V6WC - 2531F17		980	142	2192	142	42.6	86.7
25	V6WC - 2532F17		980	142	2253	142	43.6	86.7
26	V6WC - 2533F17		980	142	2315	142	44.7	86.7
27	V6WC - 3034F17		1050	142	2376	142	45.7	95.5
28	V6WC - 3035F17		1050	142	2438	142	46.7	95.5
29	V6WC - 3036F17		1050	142	2499	142	47.7	95.5
30	V6WC - 3037F17		1050	142	2561	142	48.7	95.5
31	V6WC - 3038F17		1050	142	2622	142	49.8	95.5
32	V6WC - 3039F17		1050	142	2684	142	50.8	95.5
33	V6WC - 3040F17		1050	142	2745	142	51.8	95.5

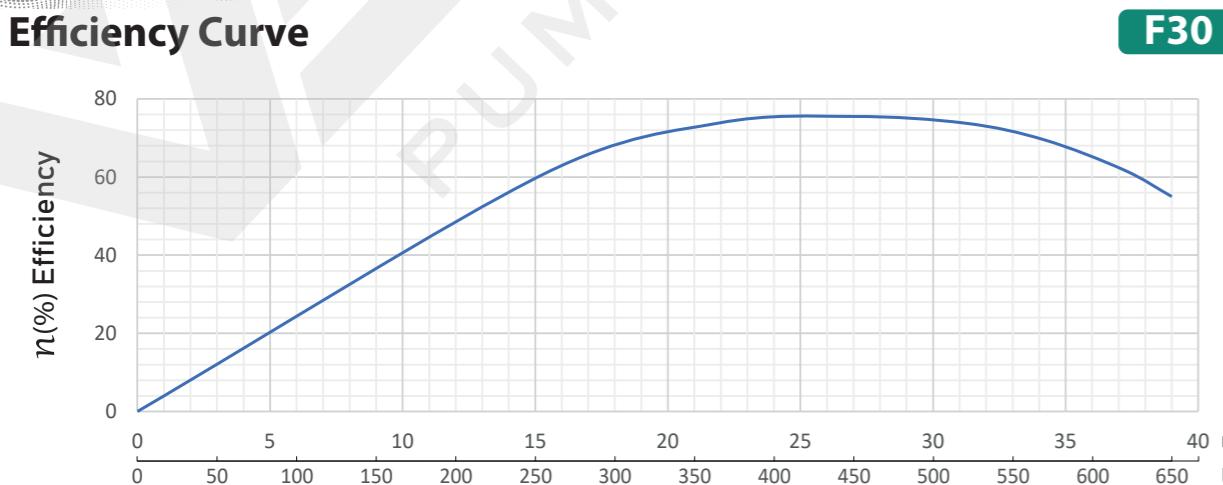
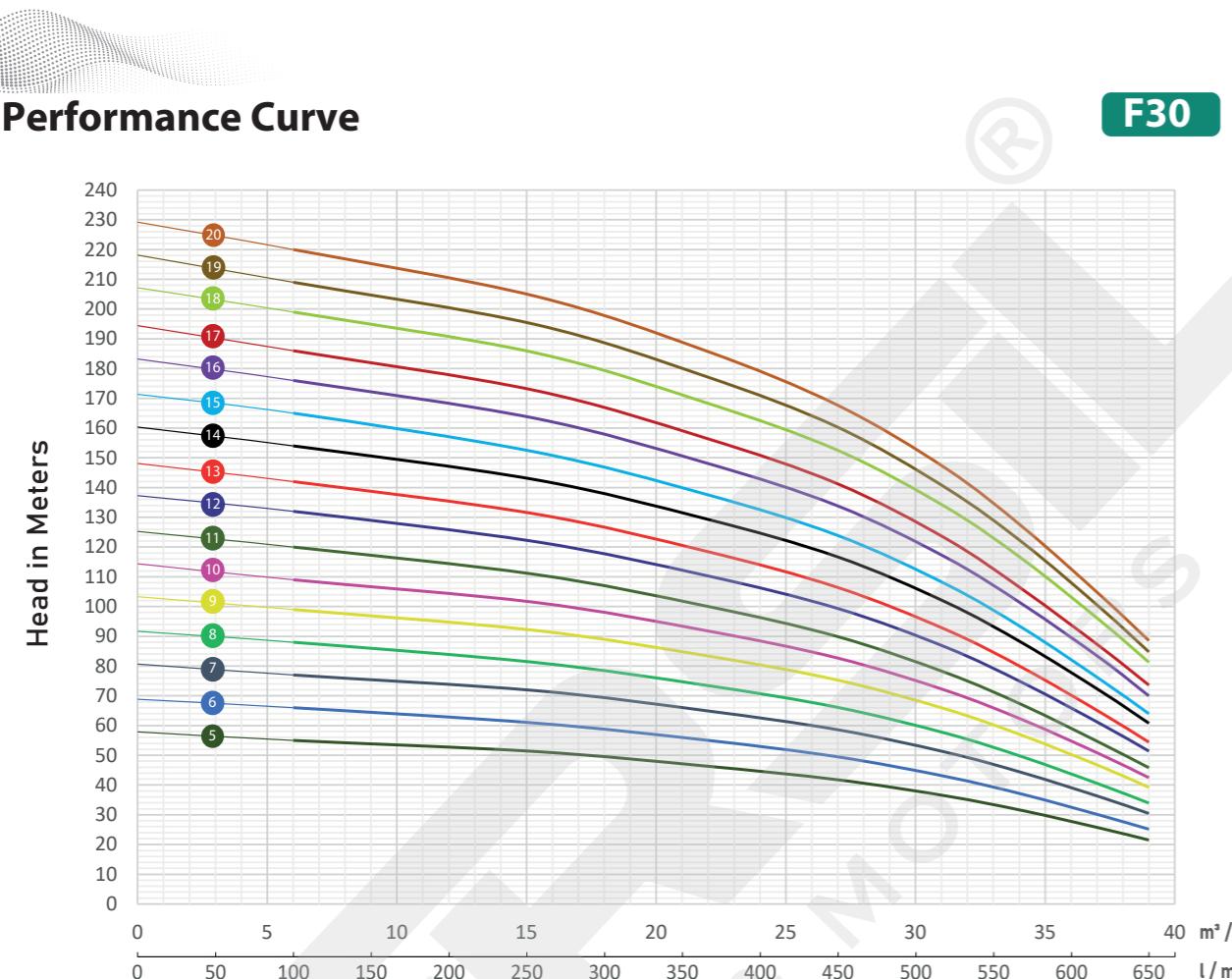
Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F17 Pump Power Curve

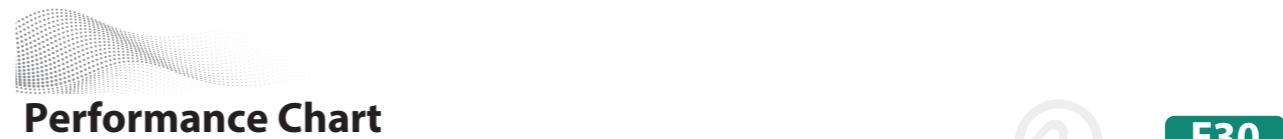
Power Curve



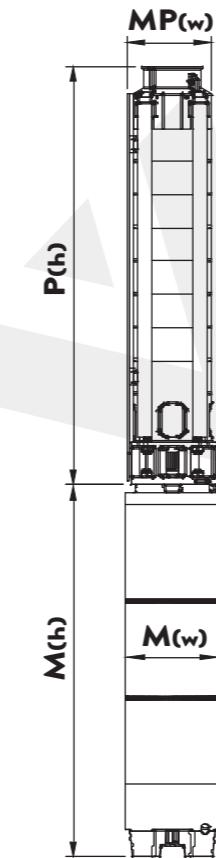
F30 Pump Performance & Efficiency Curve



F30 Pump Performance Chart & Dimensions



SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 80 mm (3.0")	FLOW Q							
		kW	HP				m³/h		0.00	15.30	21.90	27.00	31.20	34.20
		l/min					0	255	365	450	520	570	620	650
1	V6WC - 750F30	5.50	7.50	5	3		58	51	46	42	36	31	25	22
2	V6WC - 1006F30	7.50	10.00	6	3		69	61	55	49	43	37	30	25
3	V6WC - 1007F30	7.50	10.00	7	3		81	72	65	59	51	44	36	30
4	V6WC - 1008F30	7.50	10.00	8	3		92	81	74	66	57	49	40	34
5	V6WC - 12509F30	9.30	12.50	9	3		103	92	84	75	65	56	46	39
6	V6WC - 12510F30	9.30	12.50	10	3		114	101	92	83	72	62	50	42
7	V6WC - 12511F30	9.30	12.50	11	3		125	111	100	90	78	67	54	46
8	V6WC - 1512F30	11.00	15.00	12	3		137	122	110	99	86	74	60	51
9	V6WC - 1513F30	11.00	15.00	13	3		148	131	119	106	92	79	64	54
10	V6WC - 17514F30	13.00	17.50	14	3		160	143	130	117	101	87	71	61
11	V6WC - 17515F30	13.00	17.50	15	3		171	152	138	124	107	92	75	64
12	V6WC - 2016F30	15.00	20.00	16	3		183	163	148	134	116	100	82	70
13	V6WC - 2017F30	15.00	20.00	17	3		194	173	157	141	123	105	86	74
14	V6WC - 2518F30	18.50	25.00	18	3		207	185	169	153	133	115	95	81
15	V6WC - 2519F30	18.50	25.00	19	3		218	195	177	160	140	121	99	85
16	V6WC - 2520F30	18.50	25.00	20	3		229	204	186	168	146	126	103	89

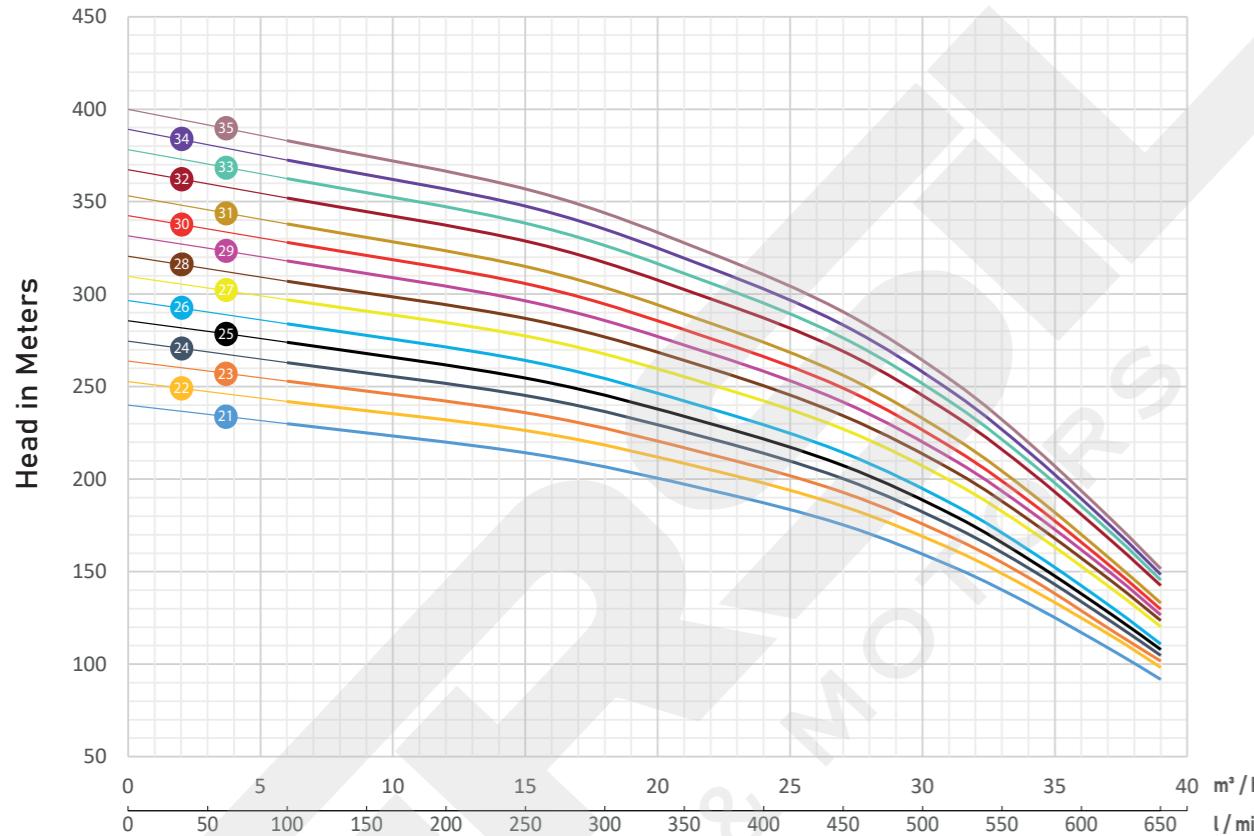


SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)	
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
1	V6WC - 750F30	80 mm (3")	690	142	752	142	17.5	52.6
2	V6WC - 1006F30		740	142	848	142	19.0	57.3
3	V6WC - 1007F30		740	142	944	142	20.6	57.3
4	V6WC - 1008F30		740	142	1040	142	22.1	57.3
5	V6WC - 12509F30		765	142	1136	142	23.6	62.4
6	V6WC - 12510F30		765	142	1232	142	25.1	62.4
7	V6WC - 12511F30		765	142	1328	142	26.7	62.4
8	V6WC - 1512F30		795	142	1424	142	28.2	67.4
9	V6WC - 1513F30		795	142	1520	142	29.7	67.4
10	V6WC - 17514F30		835	142	1616	142	31.2	74.1
11	V6WC - 17515F30		835	142	1712	142	32.8	74.1
12	V6WC - 2016F30		900	142	1808	142	34.3	79.7
13	V6WC - 2017F30		900	142	1904	142	35.8	79.7
14	V6WC - 2518F30		980	142	2000	142	37.3	86.7
15	V6WC - 2519F30		980	142	2096	142	38.9	86.7
16	V6WC - 2520F30		980	142	2192	142	40.4	86.7

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F30 Pump Performance & Efficiency Curve

Performance Curve



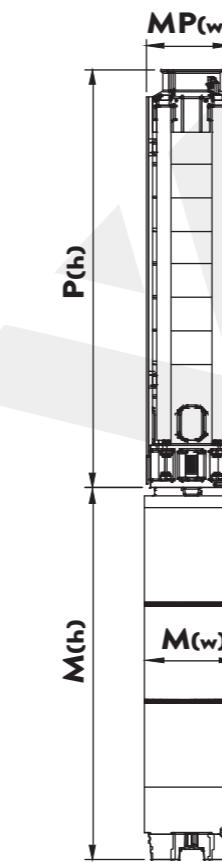
F30

F30 Pump Performance Chart & Dimensions

Performance Chart

F30

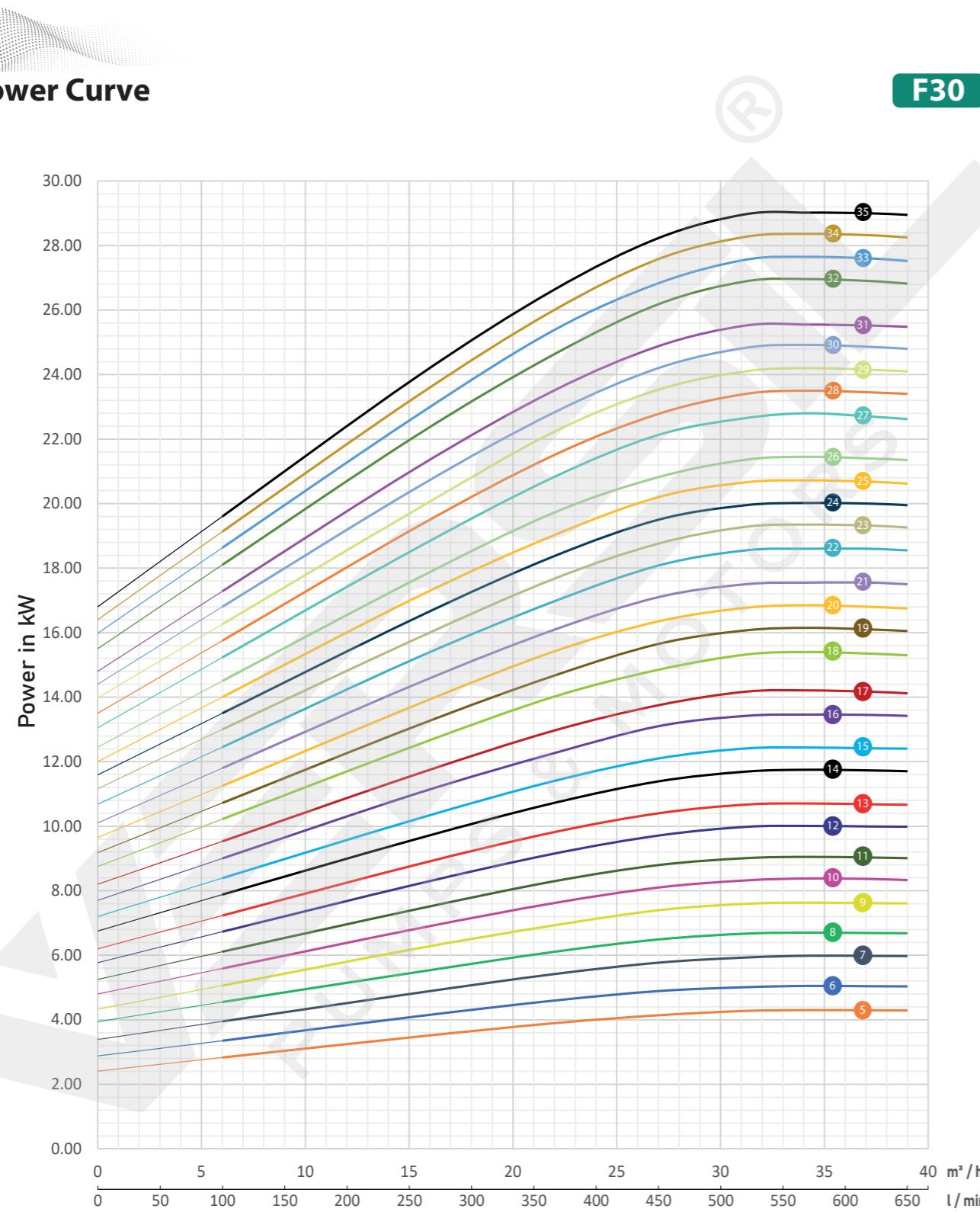
SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 80 mm (3.0")	FLOW Q							
		kW	HP				m³/h		0.00	15.30	21.90	27.00	31.20	34.20
		l/min					0	255	365	450	520	570	620	650
17	V6WC-2521F30	18.50	25.00	21	3		240	214	194	175	152	131	107	92
18	V6WC-3022F30	22.00	30.00	22	3		253	226	205	185	162	140	115	98
19	V6WC-3023F30	22.00	30.00	23	3		264	235	214	193	168	145	118	102
20	V6WC-3024F30	22.00	30.00	24	3		275	244	222	200	174	150	122	105
21	V6WC-3025F30	22.00	30.00	25	3		286	254	230	207	180	155	126	108
22	V6WC-3026F30	22.00	30.00	26	3		297	263	238	214	186	160	130	111
23	V6WC-3527F30	26.00	35.00	27	3		310	277	252	227	198	171	140	120
24	V6WC-3528F30	26.00	35.00	28	3		321	286	260	234	204	176	144	124
25	V6WC-3529F30	26.00	35.00	29	3		332	295	268	242	210	181	148	127
26	V6WC-3530F30	26.00	35.00	30	3		342	305	276	249	216	186	152	130
27	V6WC-3531F30	26.00	35.00	31	3		353	314	285	256	222	191	156	133
28	V6WC-4032F30	30.00	40.00	32	3		367	328	298	269	234	203	166	142
29	V6WC-4033F30	30.00	40.00	33	3		378	337	306	276	240	208	170	145
30	V6WC-4034F30	30.00	40.00	34	3		389	347	315	283	246	212	174	148
31	V6WC-4035F30	30.00	40.00	35	3		400	356	323	290	252	217	177	152



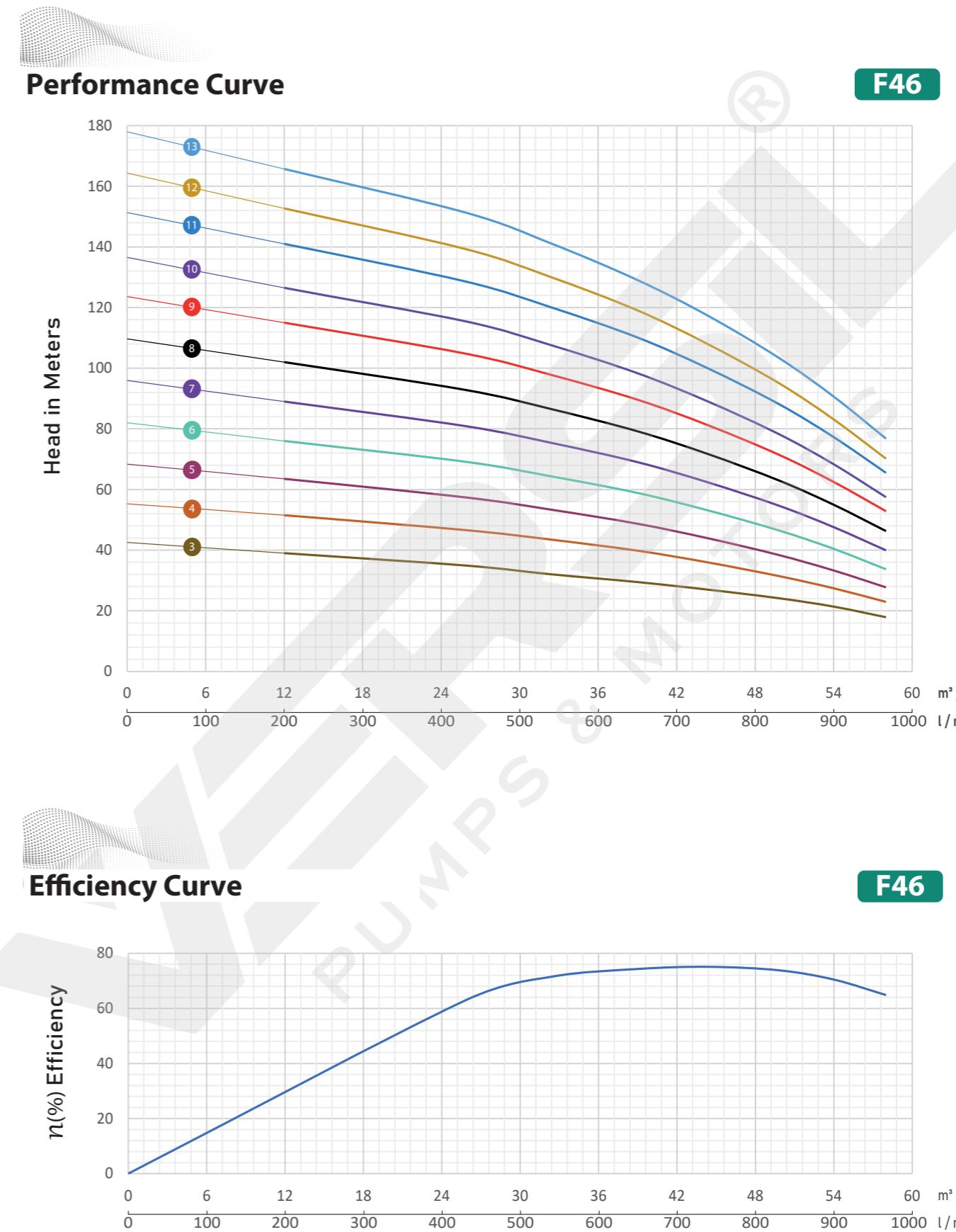
SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)	
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
17	V6WC-2521F30		980	142	2288	142	41.9	86.7
18	V6WC-3022F30		1050	142	2384	142	43.4	95.5
19	V6WC-3023F30		1050	142	2480	142	45.0	95.5
20	V6WC-3024F30		1050	142	2576	142	46.5	95.5
21	V6WC-3025F30		1050	142	2672	142	48.0	95.5
22	V6WC-3026F30		1050	142	2768	142	49.5	95.5
23	V6WC-3527F30		1110	142	2864	142	51.1	100.1
24	V6WC-3528F30		1110	142	2960	142	52.6	100.1
25	V6WC-3529F30		1110	142	3056	142	54.1	100.1
26	V6WC-3530F30		1110	142	3152	142	55.6	100.1
27	V6WC-3531F30		1110	142	3248	142	57.2	100.1
28	V6WC-4032F30		1180	142	3344	142	58.7	110.1
29	V6WC-4033F30		1180	142	3440	142	60.2	110.1
30	V6WC-4034F30		1180	142	3536	142	61.7	110.1
31	V6WC-4035F30		1180	142	3632	142	63.3	110.1

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F30 Pump Power Curve



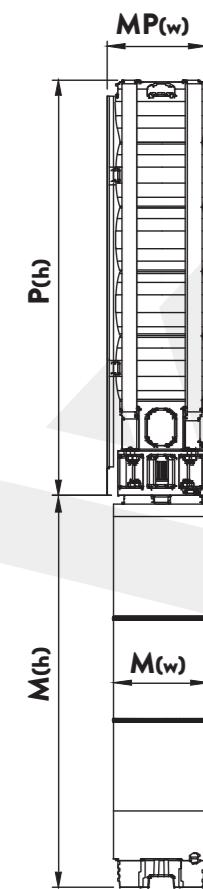
F46 Pump Performance & Efficiency Curve



F46 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 80 mm & 100 mm	FLOW Q												
		kW	HP				m³ / h		0.00	25.80	32.40	39.00	44.40	49.80	54.00	58.00			
							l / min	0	430	540	650	740	830	900	967				
1	V6WC - 7503F46	H (m)	5.50	7.50	3	3	43	35	32	29	27	24	21	18					
2	V6WC - 1004F46		7.50	10.00	4	3	55	47	43	40	36	31	27	23					
3	V6WC - 1005F46		7.50	10.00	5	3	68	57	53	49	44	38	33	28					
4	V6WC - 12506F46		9.30	12.50	6	3	82	69	64	59	53	47	40	34					
5	V6WC - 1507F46		11.00	15.00	7	3	96	81	75	69	62	55	48	40					
6	V6WC - 17508F46		13.00	17.50	8	3	110	93	87	79	72	63	55	46					
7	V6WC - 2009F46		15.00	20.00	9	3	124	105	98	90	81	71	62	53					
8	V6WC - 2010F46		15.00	20.00	10	3	137	116	108	98	89	78	68	57					
9	V6WC - 2511F46		18.50	25.00	11	3	151	129	120	110	100	88	77	65					
10	V6WC - 2512F46		18.50	25.00	12	3	164	139	130	119	108	95	83	70					
11	V6WC - 3013F46		22.00	30.00	13	3	178	151	141	129	117	103	91	77					



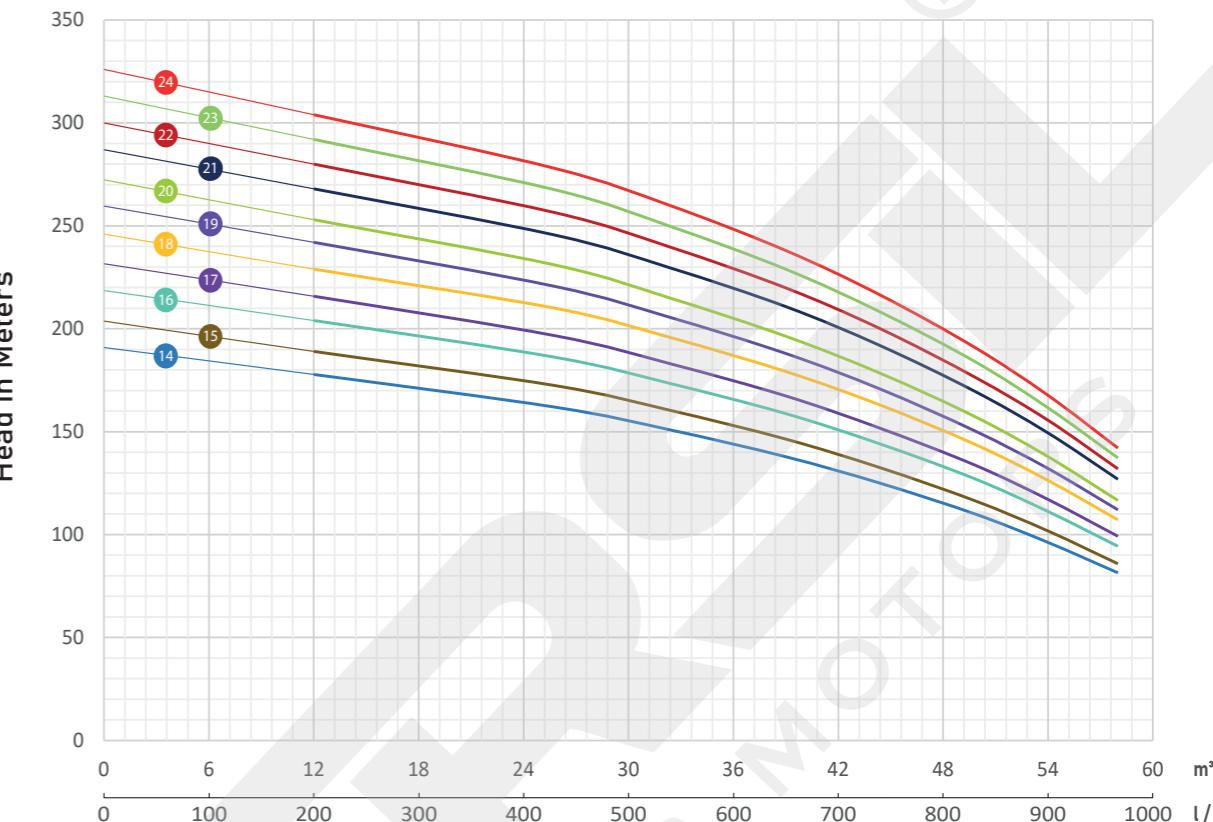
SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)	
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
1	V6WC - 7503F46	80 mm (3") and 100 mm (4")	690	142	614	148	12.4	52.6
2	V6WC - 1004F46		740	142	727	148	14.8	57.3
3	V6WC - 1005F46		740	142	840	148	17.2	57.3
4	V6WC - 12506F46		765	142	953	148	19.6	62.4
5	V6WC - 1507F46		795	142	1066	148	22.0	67.4
6	V6WC - 17508F46		835	142	1179	148	24.4	74.1
7	V6WC - 2009F46		900	142	1292	148	26.8	79.7
8	V6WC - 2010F46		900	142	1405	148	29.2	79.7
9	V6WC - 2511F46		980	142	1518	148	31.6	86.7
10	V6WC - 2512F46		980	142	1631	148	34.0	86.7
11	V6WC - 3013F46		1050	142	1744	148	36.4	95.5

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F46

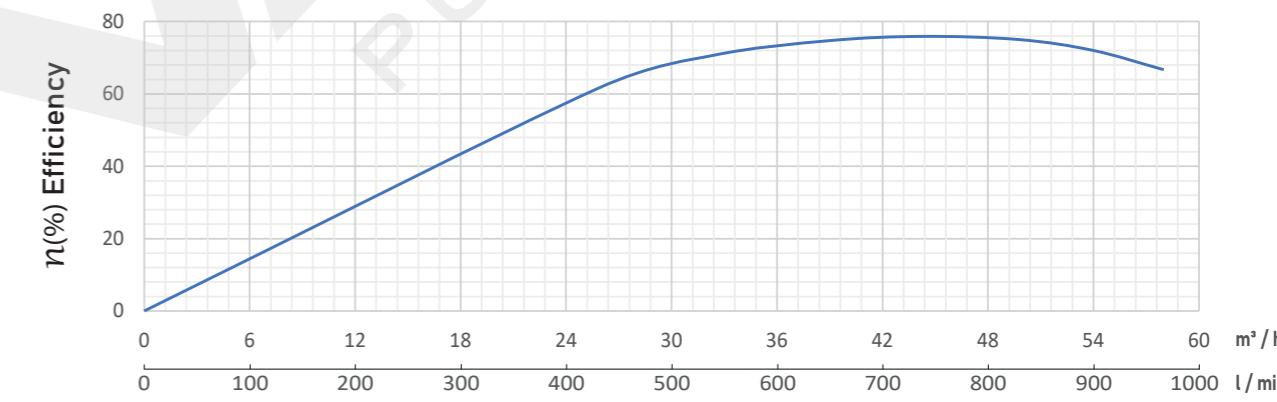
F46 Pump Performance & Efficiency Curve

Performance Curve



F46

Efficiency Curve

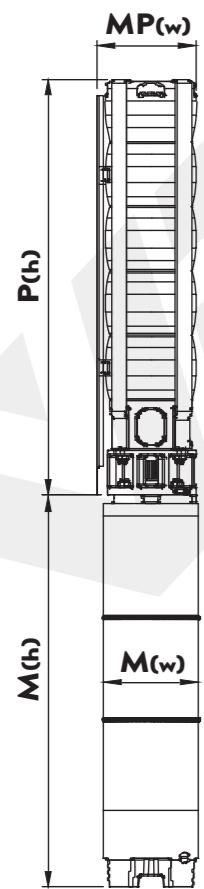


F46 Pump Performance Chart & Dimensions

Performance Chart

F46

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE 80 mm & 100 mm	FLOW Q										
							m³/h										
		kW	HP				0.00	25.80	32.40	39.00	44.40	49.80	54.00	58.00			
12	V6WC - 3014F46	22.00	30.00	H (m)	14	3	191	162	151	138	125	110	96	81			
13	V6WC - 3015F46	22.00	30.00		15	3	204	172	160	146	132	117	102	86			
14	V6WC - 3516F46	26.00	35.00		16	3	219	186	173	159	144	127	111	94			
15	V6WC - 3517F46	26.00	35.00		17	3	232	197	183	167	152	134	117	99			
16	V6WC - 4018F46	30.00	40.00		18	3	246	210	196	179	163	144	126	107			
17	V6WC - 4019F46	30.00	40.00		19	3	260	221	205	188	171	150	132	112			
18	V6WC - 4020F46	30.00	40.00		20	3	272	231	215	196	178	157	138	117			
19	V6WC - 5021F46	37.00	50.00		21	3	287	246	230	211	192	170	149	127			
20	V6WC - 5022F46	37.00	50.00		22	3	300	256	240	220	200	177	156	132			
21	V6WC - 5023F46	37.00	50.00		23	3	313	268	250	229	208	184	162	137			
22	V6WC - 5024F46	37.00	50.00		24	3	326	278	260	238	216	191	168	142			



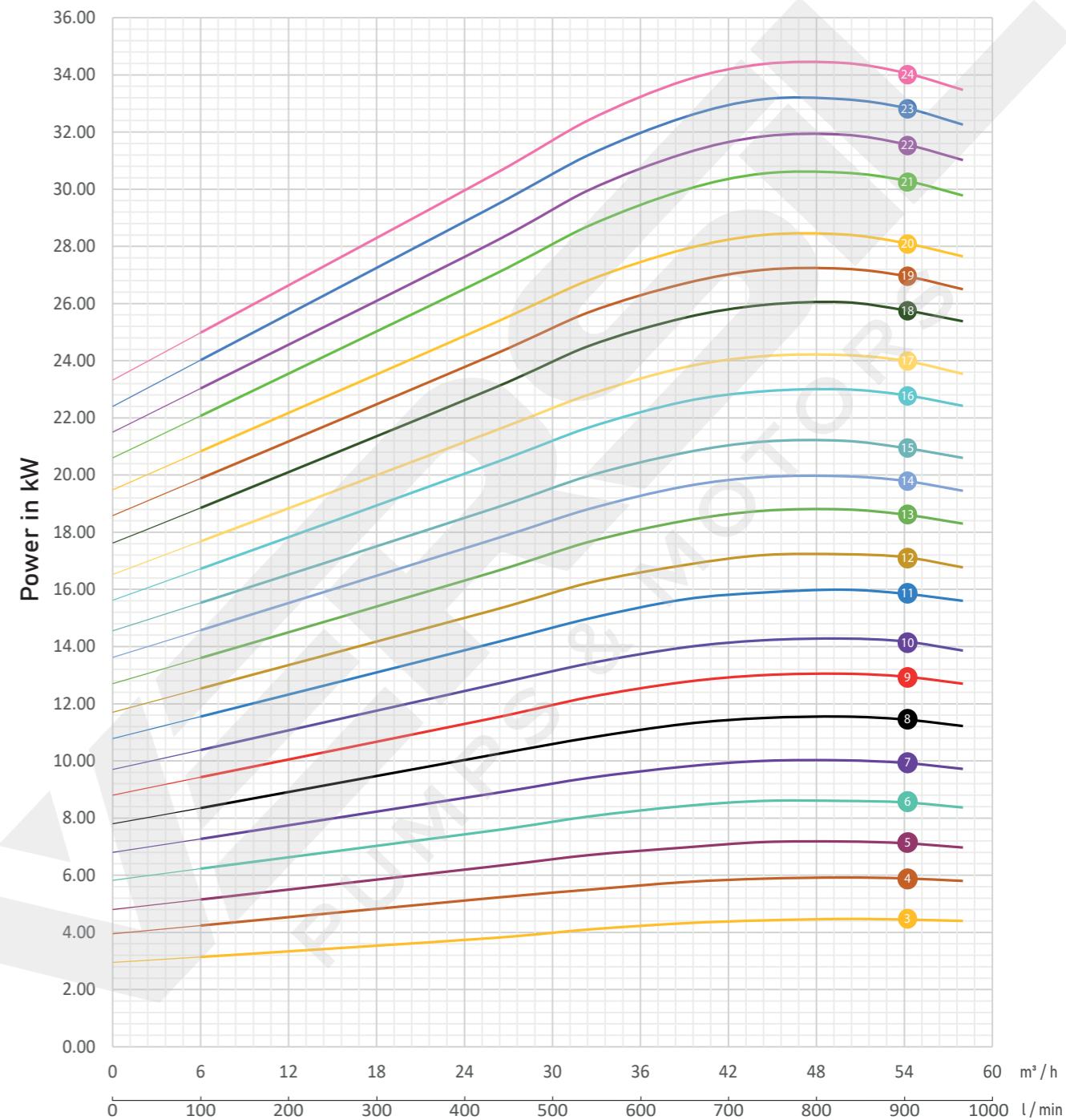
SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)	
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
12	V6WC - 3014F46	80 mm (3") and 100 mm (4")	1050	142	1857	148	38.8	95.5
13	V6WC - 3015F46		1050	142	1970	148	41.2	95.5
14	V6WC - 3516F46		1110	142	2083	148	43.6	100.1
15	V6WC - 3517F46		1110	142	2196	148	46.0	100.1
16	V6WC - 4018F46		1180	142	2309	148	48.4	110.1
17	V6WC - 4019F46		1180	142	2422	148	50.8	110.1
18	V6WC - 4020F46		1180	142	2535	148	53.2	110.1
19	V6WC - 5021F46		1280	142	2648	148	55.6	122.6
20	V6WC - 5022F46		1280	142	2761	148	58.0	122.6
21	V6WC - 5023F46		1280	142	2874	148	60.4	122.6
22	V6WC - 5024F46		1280	142	2987	148	62.8	122.6

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

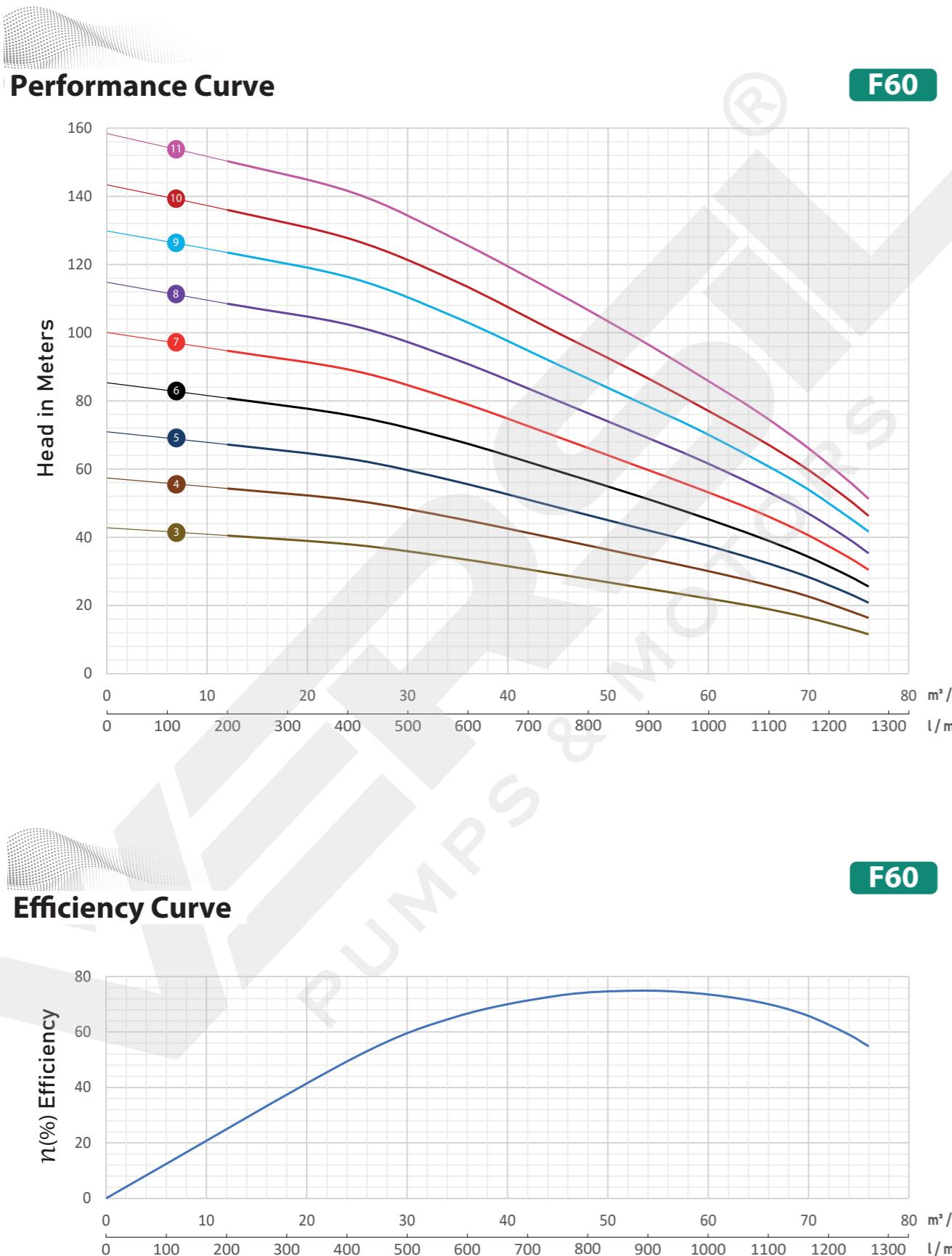
F46 Pump Power Curve

Power Curve

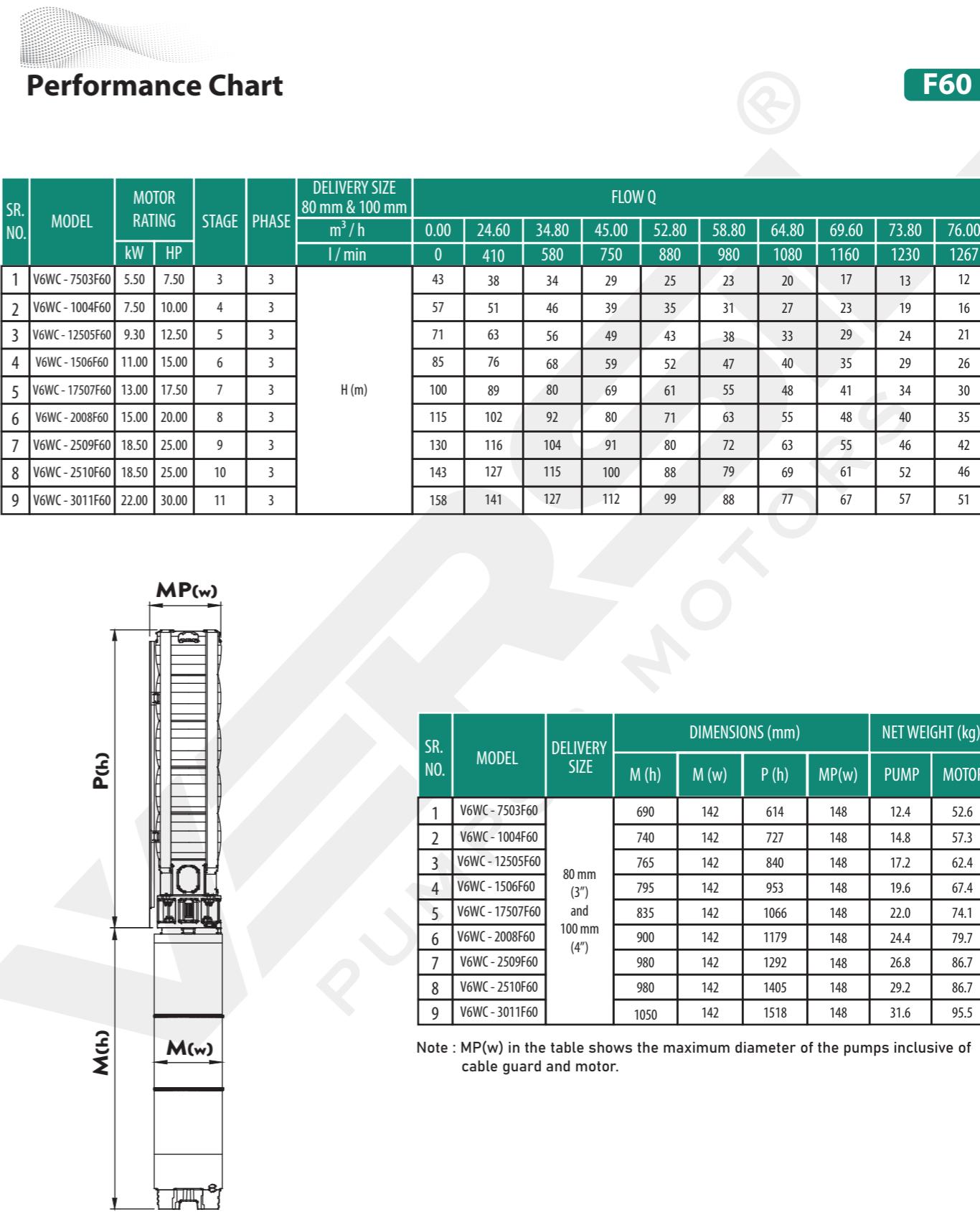
F46



F60 Pump Performance & Efficiency Curve

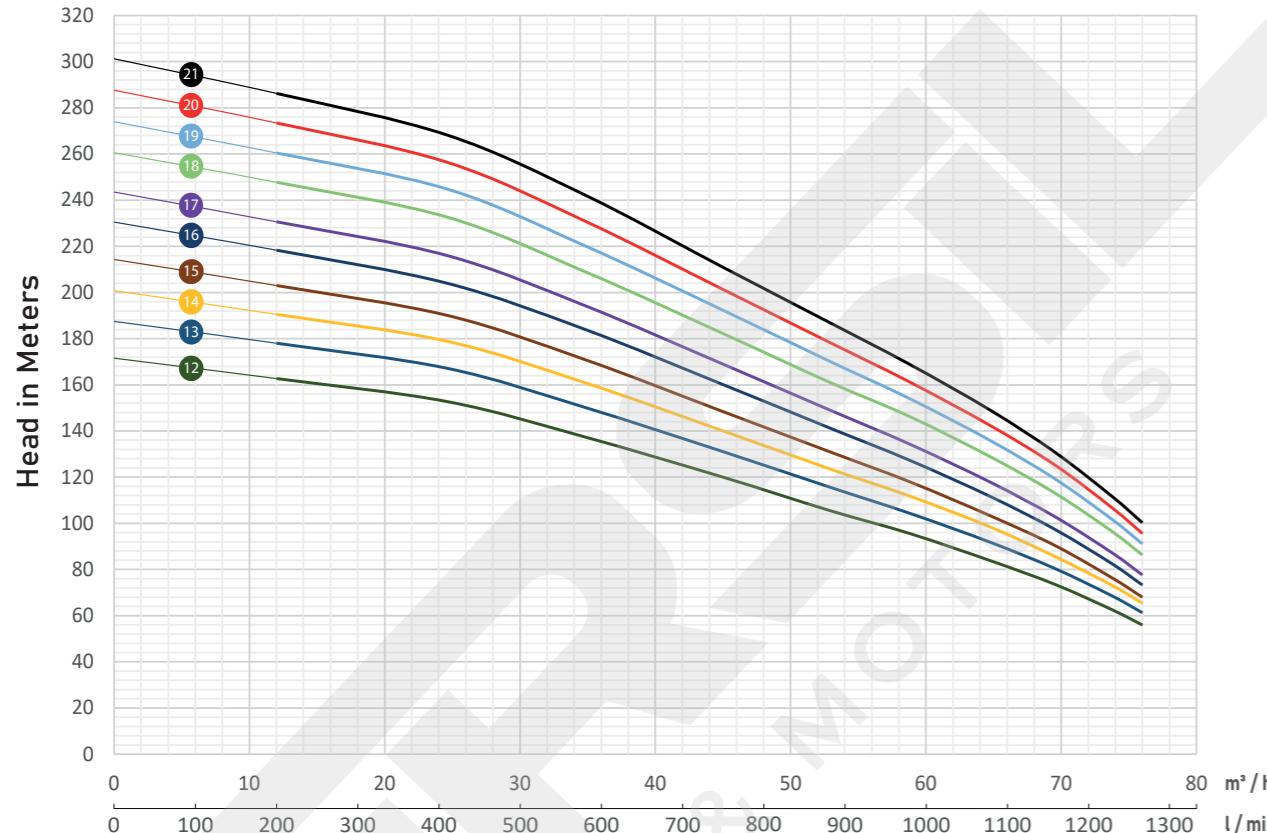


F60 Pump Performance Chart & Dimensions

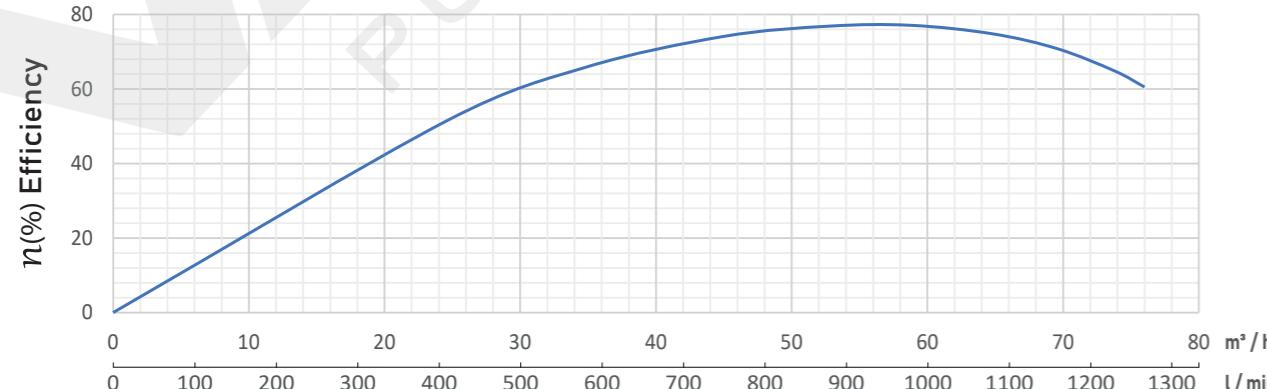


F60 Pump Performance & Efficiency Curve

Performance Curve



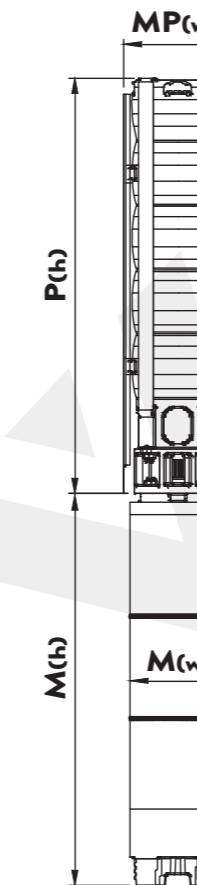
Efficiency Curve



F60 Pump Performance Chart & Dimensions

Performance Chart

SR. NO.	MODEL	MOTOR RATING		STAGE	PHASE	DELIVERY SIZE $80\text{ mm} \& 100\text{ mm}$	FLOW Q											
							0.00	24.60	34.80	45.00	52.80	58.80	64.80	69.60	73.80	76.00		
		kW	HP	l/min			0	410	580	750	880	980	1080	1160	1230	1267		
10	V6WC - 3012F60	22.00	30.00	H (m)	12	3	172	153	137	120	106	96	84	73	62	56		
11	V6WC - 3513F60	26.00	35.00		13	3	187	167	150	131	116	104	92	80	68	61		
12	V6WC - 3514F60	26.00	35.00		14	3	201	179	161	140	124	112	98	85	73	65		
13	V6WC - 3515F60	26.00	35.00		15	3	214	190	171	148	131	118	103	90	76	68		
14	V6WC - 4016F60	30.00	40.00		16	3	230	204	184	160	142	127	112	97	82	73		
15	V6WC - 4017F60	30.00	40.00		17	3	243	216	194	169	149	134	118	103	87	78		
16	V6WC - 5018F60	37.00	50.00		18	3	261	233	209	182	161	146	129	113	96	86		
17	V6WC - 5019F60	37.00	50.00		19	3	274	245	220	192	170	154	136	119	102	91		
18	V6WC - 5020F60	37.00	50.00		20	3	288	256	231	201	179	161	142	125	107	96		
19	V6WC - 5021F60	37.00	50.00		21	3	301	268	242	211	187	169	149	131	111	100		



SR. NO.	MODEL	DELIVERY SIZE	DIMENSIONS (mm)				NET WEIGHT (kg)	
			M (h)	M (w)	P (h)	MP(w)	PUMP	MOTOR
10	V6WC - 3012F60	80 mm (3") and 100 mm (4")	1050	142	1631	148	34.0	95.5
11	V6WC - 3513F60		1110	142	1744	148	36.4	100.1
12	V6WC - 3514F60		1110	142	1857	148	38.8	100.1
13	V6WC - 3515F60		1110	142	1970	148	41.2	100.1
14	V6WC - 4016F60		1180	142	2083	148	43.6	110.1
15	V6WC - 4017F60		1180	142	2196	148	46.0	110.1
16	V6WC - 5018F60		1280	142	2309	148	48.4	122.6
17	V6WC - 5019F60		1280	142	2422	148	50.8	122.6
18	V6WC - 5020F60		1280	142	2535	148	53.2	122.6
19	V6WC - 5021F60		1280	142	2648	148	55.6	122.6

Note : MP(w) in the table shows the maximum diameter of the pumps inclusive of cable guard and motor.

F60 Pump Power Curve

Note

Power Curve

F60

