OSWAL STAR

True Partner!

Energy Efficient Range...

PRODUCT CATALOGE

Stainless Steel Submersible Pumps

50 Hz

2023

(OPL)

Company Profile

Oswal Pumps Limited started in year 2000 has become now India's first unique integrated plant with world class manufacturing facility in its own kind, backed by seasoned engineers and technicians.

Quality and Service value for customer money are the guiding principles at **OSWAL**. No doubt that **OSWAL** is one of the fastest growing company in the field of Submersible Pumps, Monoblock Pumps and Electric Motors, Pressure Pumps, Electric Panel, Submersible Winding Wires, Cables & uPVC Pipes covering Domestic, Agriculture & Industrial range.

Infrastructure :
The company has its own plant covering an area of 45000 sq. mtr. at the prestigious location on National Highway -1 near Kutail, Karnal well equipped with modern machineries for manufacturing of pumps and motors.

Oswal Pumps Limited is an ISO-9001 : 2015 certified company and products are ISI & 5 Star BEE marked. **OSWAL** is one of the leading and largest manufacturer of Stainless Steel Pumps and Submersible Motors in India.

OSWAL have their own in-house plant for:-
a) Stamping unit.
b) Aluminum die casting for rotor.
c) Aluminum die casting for motor body & parts.
d) Poly wrapped and PVC winding wire for submersible motor.
e) Thrust Bearing.
f) Injection plastic moldings.
g) Stainless steel investment casting.
h) Stainless steel pipe.
i) Corrugated box facility.
j) Cast iron casting plant.
k) Super enameled copper wire plant.

OSWAL have got prestigeous Awards from:-

National Udyog Rattan Award –on dt. 15-09-2005 from Indian Organization for Business Research Association, New Delhi for individual achievement of National Development .

Bhartiya Udyog Rattan Award – on dt. 01-12-2005 from Indian Economic Development of Research Association, New Delhi for individual achievement of National Development.

OSWAL is the first company out of thousand participants , who have got the above awards for submersible pumpsets.

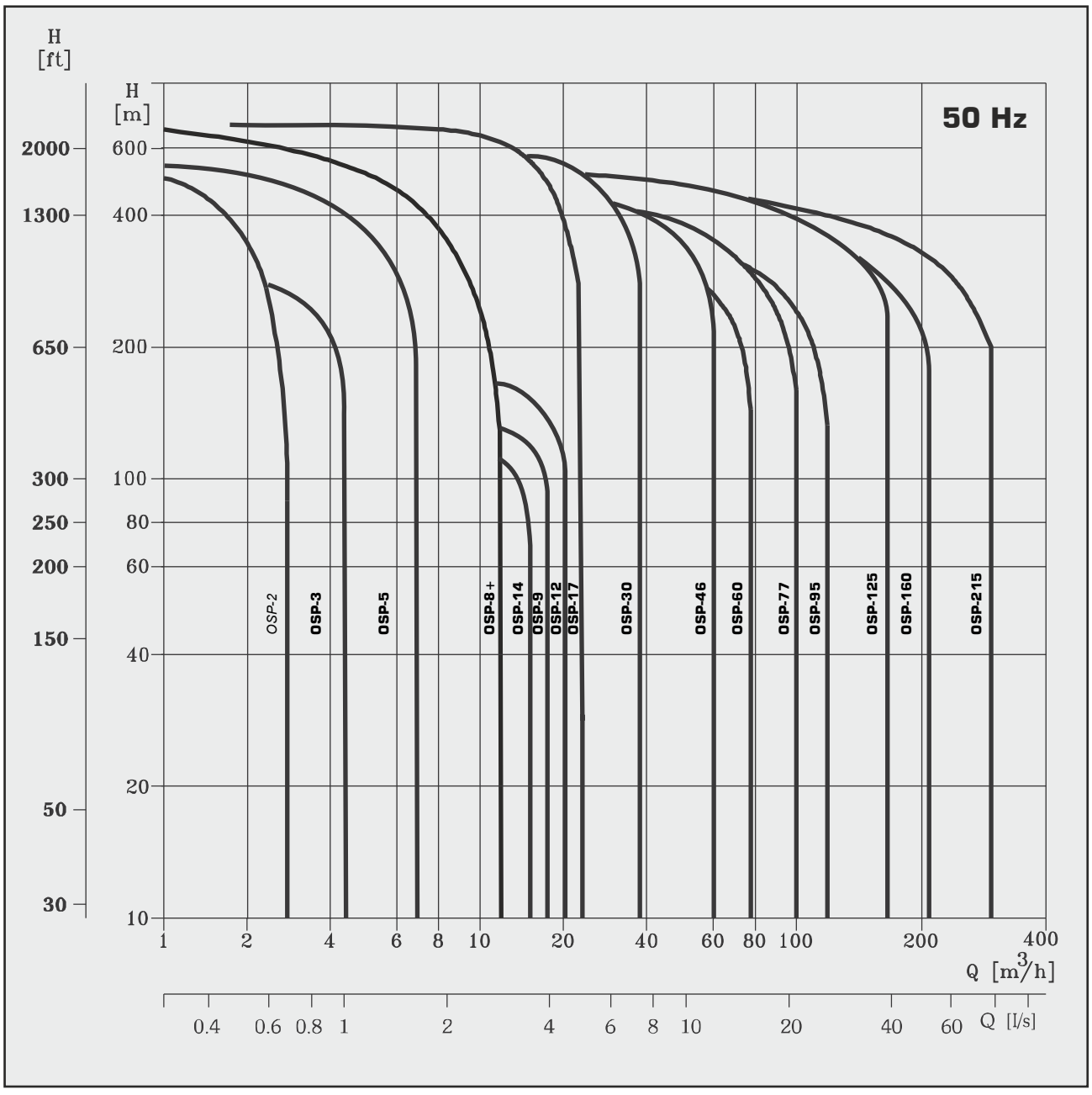
All the products more than 1000 varieties are offered to the market through a vide distributor network of more than 1170 Distributors / Agents all over India to ensure that for every **OSWAL** pump in use, there is a sales and service outlet for wide range of Agriculture, Industries and domestic needs.

Export : **Exporting to 20 countries at present and heading to mark presence in 50 countries.**

Oswal Pumps Limited assure you to provide quality products and best services always.

Contents

Performance Range (Family Curve)



General Data

OSWAL submersible pumps & motors are well known for its quality, Reliability & excellent for all type of service purpose. **OSWAL** submersible pumps & motors are manufactured under supervision of highly qualified technical team with a stage wise rigid inspection procedure under TQM concepts.

OSWAL team are well known for their excellent services after sales. The company has also obtained BIS certificate for ISI mark and through continuous process improvements & streamlining the quality system at par with the international standards has now acquired ISO:9001:2000 certifications.

Application of Bore well submersible pumps are Hospitals, Water circulation systems, Water supply systems of Government, Irrigation, Farms, Drip & sprinkler irrigation, Gardening, Nurseries, Domestic water supply, Multi-storeyed Building & Industrial water supply systems & Hotels.

OSWAL has successfully developed its energy efficient and cost efficient pump manufacturing of fully fabricated S.S.-304 with a quality level as per international standard. The company has offering quality product at a lowest price .the company has exporting pump sets to developed countries and the same quality is supply in domestic market.

OSWAL Submesible Pumpsets of moduler design suitable for under-water operation for universal fit, all mounting dimensions of pumps and motors are in accordance with NEMA standards. **OSWAL** submersible pumpset are of completely S.S.-304 construction with fabricated technology, light weight easy for handling, life longivity, pump shaft using Duplex steel forhigh wear resistance.

GENERAL DATA

* Duty Dish : 150 to 3600 LPM.
* Pumped liquid : Clean water free from solid, Chemically Natural & Close the characteristics of water.
* Max. liquid temperature : 45°c.
* Max. Quantity of sand : 50gm/m³.
* Minimum Suction head required : 1.5 meter.
* Starts/hours : max. 30 at Regular intervals.

PUMP MODEL TYPE KEY EXAMPLE

OSP 95 A B

* Model type
* Nominal flow rate *16.67 lpm
* First Impeller with Reduced Dia.(A,B,C)
* Second Impeller with Reduced Dia.(A,B,C)

TYPE		OSP 9	OSP 12	OSP 17	OSP 30	OSP 46	OSP 60	OSP 77	OSP 95	OSP 125	OSP 160	OSP 215
Steel : S.S.-304		+	+	+	+	+	+	+	+	+	+	+
Connection: Rp (Inches)	BSP Thread	2"	2"	2.5"	3"	4"	4"	5"	5"	6"	6"	6"
	NPT Thread	2"	2"	3"	3"	4"	4"	5"	5"	6"	6"	6"

PUMPED LIQUIDS

* Clean, thin, non-aggressive liquids without solid particles.

OPERATING CONDITIONS

* Flow Range (min. to max.) - 6-240 M^3/h
* Head, H : Maximum 670 m.

Maximum Liquid Temperature

Motor	Installation		
	Flow velocity-past motor	Vertical	Horizontal
6"	0.15 m/s	40°c	40°c

Operating pressure: Maximum 67 bar.

CURVE CONDITIONS

* The conditions below apply to the curves shown on the following pages :

CURVES

* **Q/H** : The curves are inclusive of losses such as NRV losses at the actual speed. Operation without non-return valve will increase the actual head at nominal performance by 0.5 to 1.0 m.
* **Power Curve** : (BPKW) For Particular Stage shows pump power.
* **Efficiency Curve** : Efficiency shows pump stage efficiency.

Features And Benefits

A Wide Pump Range

* We offers submersible pumps with energy-efficient duty points ranging from 2 to 160 m^3/h. The pump range consist of many pump sizes (Stages) to match any duty point.

High Pumps Efficiency

* Often pump efficiency is a neglected factor compared to the price variations are without importance of pump and motor efficiencies.

Example

* Pumping water-30m^3/h with a head of 60 meter.
* When choosen stainless steel energy efficient pump, be saved (than other pumps) 4unit (kwh) per hour.
* It save Rs. 4,60,000 in 10 year for 8 hours / day running)

Applications

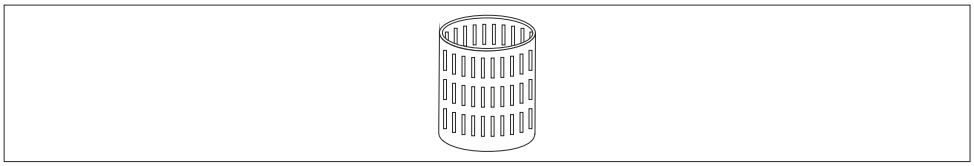
* We offers a complete range of pumps and motors with as a standard are made completely as stainless steel - 304. This provides for good wear resistance and a reduced risk of corrosion when pumping ordinary cold water with a minor content of chloride.

Low Installation Cost

* These pumps have low weight facilitating the handling of pumps and resulting in low equipment costs and reduced installation and service time. In addition pumps will be as new after service due to the high wear resistance of stainless steel.

Bearing with Sand Channels

* All bearing are water-Lubricated and have a octagone shape enabling sand particles.

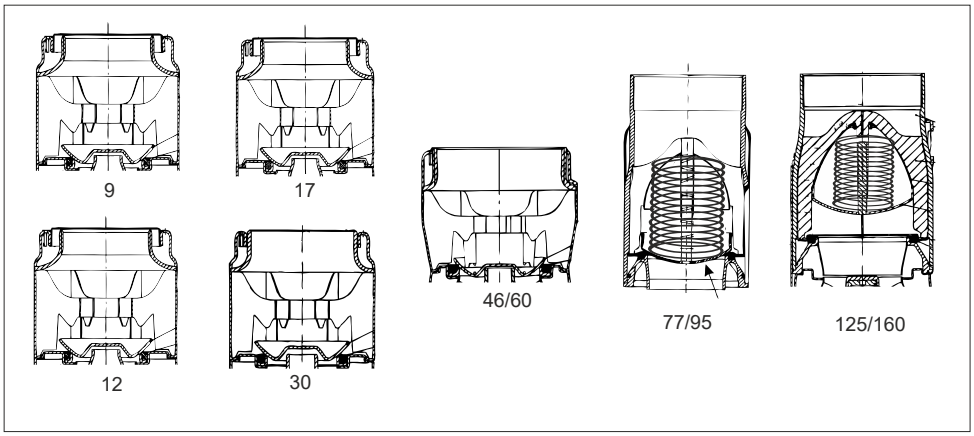


Inlet Strainer

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

Non-Return Valve

* All pumps are equipped with a non-return valve in the valve casing preventing back flow in connection with pump stoppage.
* Furthermore, the short closing time of the non-return valve means that the risk of destructive water hammer is reduced to the minimum.
* The valve casing is designed for optimum hydraulic properties, to minimize the pressure loss across the valve and thus contributes to the high efficiency of the pump.



Stop Ring

* The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up.
* The stop ring, which is designed as a thrust bearing limits axial movements of the pump shaft.
* Example : OSP - 30

GENERAL

* Curve tolerance according to ISO 9906, Annex A&B.
* The performance curves show pump performance at actual speed of standard motor range.
* The speed of the motors is approximately:
  N=2850 min^{-1}
* The measurements were made with airless water at a temperature of 20°c. The curves apply to a kinematic viscosity of 1mm^2/s.
  When pumping liquids with a density higher than that a water, motors with correspondingly higher outputs must be used.
* The bold curves indicate the performance range.

Features And Benefits

Material & Design for wear & corrosion resistance

Stainless steel submersible pumps can run very well in cold and clear water however Ground water abrasive like sand which can quickly wear out both the pumps and motor. OSWAL has designed & developed the OSP series pumps which are made completely out of High grade stainless steel and rubber of excellent quality to ensure that the sand abrasive. Do not wear out the pump.

High pump efficiency & Minimum cost :-

The initial cost of purchasing a pump is a fraction of the total cost of owning & operating a pump over its entire life span. High pump efficiency and minimum cost is thinking about the total cost of ownership during the entire life span of the pumps .it means that you should know and ensure that energy cost and maintenance cost which contribute 95% of the total cost of ownership is brought down as much as possible . it also means the benefit of business relationship with **OSWAL** pumps like assistance in making the correct decision about the performance over the life span of the pumps.

OSWAL OSP series pump can help you , bring down the operating cost by offering higher pumping efficiency, due to excellent hydraulic design and using high strength stainless steel material which offer high wear resistence. Which significantly reduces energy consumption . **OSWAL** can also help you by providing during selection and installation of the pump.

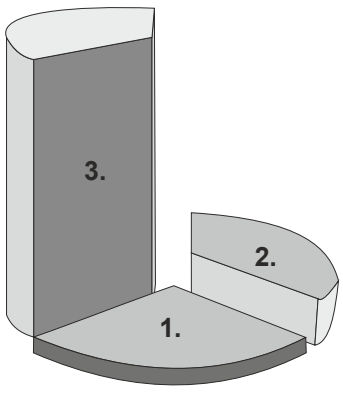
Energy efficient pumps :-

Calculate the energy cost in KWH/ M^3 or KWH / gallon which includes losses in motor ,pump, cable etc. **OSWAL** offer OSP series pumps with highest efficiency in the industry.

Let us the compare energy cost between ordinary pump XYZ against the OSP series pump manufactured by OSWAL pumps ltd.

	XYZ Company	OSWAL
Model	ABC	OSP - 60
HP	40	40
KW	30	30
Stage	17	17
Head (Meter)	131	131
Flow (M^3/ hr.)	60	60
Cost (in US doller)	700	1160
Cost (in INRs.)	30,000	50,000
Motor eff.	78 %	84 %
Pump eff.	60 %	75 %
Overall eff.	46.8 %	63 %
Input power	45.74 KWH	34 KWH
KWH / Day (for 8hrs. operation)	365.9 KWH	272 KWH
KWH / Year	133553 KWH	99280 KWH
KWH / 10Year	1335530 KWH	992800 KWH
Energy Cost (in US doller)	166941	124100
EnergyCost (in INRs.)	6677650	4964000

Saving in energy cost alone will be US doller 42841 & INRs.1713650 in the 10 years.Thus if you purchase the OSWAL OSP-60 pump then the payback period will be 105 days (less then 4 month).



1. Initial Cost 5%
2. Maintenance Cost 6%
3. Energy Cost 89%

4"

Submersible Pump

4” Submersible Pump General Data

Construction

Submersible motor and pumps for bore wells of 4” (100 mm)

- All sizes of pumps according to the NEMA standard

OSP series pumps are completely made out of AISI 304 stainless steel material.

Radial flow Model : OSP-2 , OSP-3,OSP-5, OSP-8+ , OSP-14

Application

For water supply

For irrigation

For civil and industrial applications.

For fire fighting application

General Data

Head range up to 300 meters

- Flow range up to 14 M^3/ hr.

Operating Condition

Maximum liquid temperature : 45ºc

Maximum quantity of sand 50 gm / m^3

- Minimum suction head required : 1.5 meter.

Max. start per hour 30 at regular intervals.

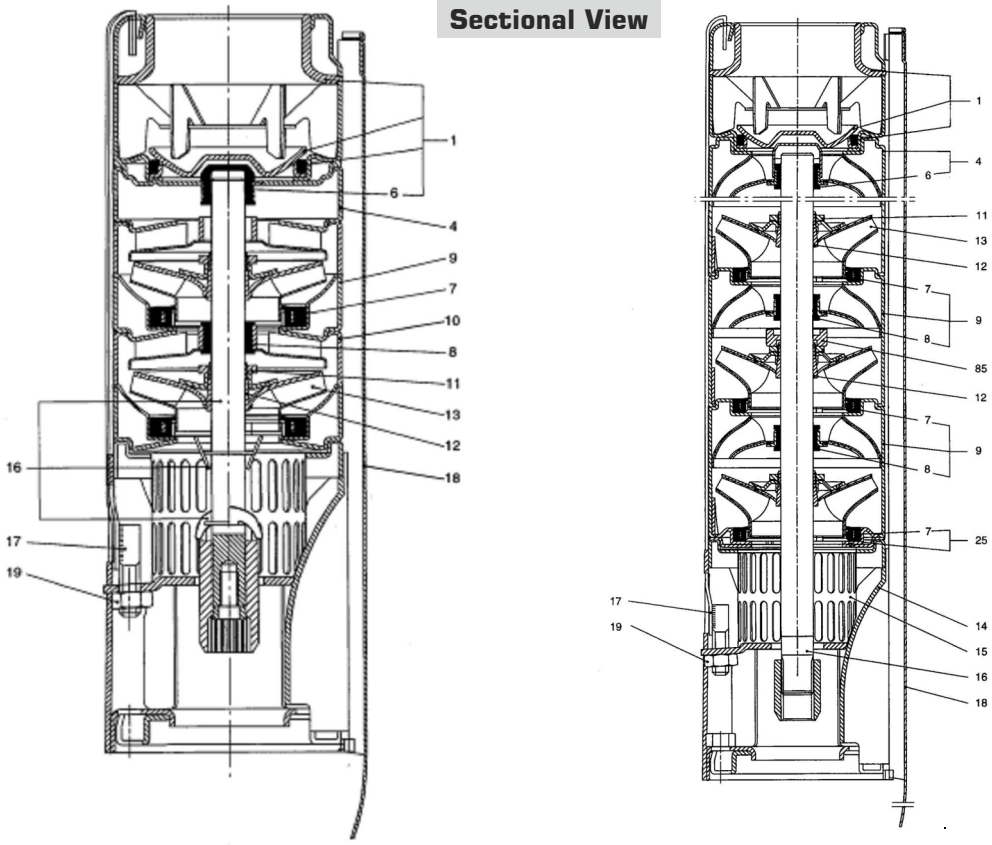
Direction of rotation : clockwise as seen from the pump coupling side.

Special Construction On Request

Also available in NPT connection.

Material of Construction

Sectional View



MATERIAL SPECIFICATION OF OSP -2 , OSP-3, OSP-5,OSP-8+,OSP-14		
S.NO.	COMPONENTS	MATERIAL GRADE
1	Valve casing	SS-304
4	Top diffuser cup	SS-304
6	Top bearing bush	NBR
7	Neckring	NBR + SS-304
8	Stage bearing bush	NBR
9	Diffuser cup	SS-304
10	Ist stage cup	SS-304
11	Split cone nut	SS-304
12	Split cone	SS-304
13	Impeller	SS-304
14	Suc.case	SS-304
15	Strainer	SS-304
16	Pump Shaft Comp.	SS-304
17	Strap	SS-304
18	Cable guard	SS-304
19	Nut	SS-304
19a	Nut	SS-304

Raidal Flow Pump

Performance Chart

OSP-2

MODEL	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H (LPM)	0	1	1.4	**2**	2.4	2.7
							0	17	23	**33**	40	45
OSP-2/6(P4)50(4X4)	0.37	0.5	6	V-4	1¼"	HEAD IN METERS	35	31	29	**23**	14	8
OSP-2/9(P4)50(4X4)	0.37	0.5	9	V-4	1¼"		52	46	43	**35**	22	12
OSP-2/13(P4)50(4X4)	0.55	0.75	13	V-4	1¼"		75	67	62	**51**	31	17
OSP-2/18(P4)50(4X4)	0.75	1	18	V-4	1¼"		104	93	86	**70**	43	23
OSP-2/23(P4)50(4X4)	1.1	1.5	23	V-4	1¼"		133	118	109	**90**	55	30
OSP-2/28(P4)50(4X4)	1.5	2	28	V-4	1¼"		162	144	133	**109**	67	36
OSP-2/33(P4)50(4X4)	1.5	2	33	V-4	1¼"		191	170	157	**129**	79	43
OSP-2/40(P4)50(4X4)	2.2	3	40	V-4	1¼"		232	206	190	**156**	96	52
OSP-2/48(P4)50(4X4)	2.2	3	48	V-4	1¼"		278	247	228	**187**	115	62
OSP-2/55(P4)50(4X4)	3	4	55	V-4	1¼"		319	283	261	**215**	132	72
OSP-2/65(P4)50(4X4)	3	4	65	V-4	1¼"		377	335	309	**254**	156	85
OSP-2/75(P4)50(4X4)	3.7	5	75	V-4	1¼"		435	386	356	**293**	180	98
OSP-2/90(P4)50(4X4)	4.5	6	90	V-4	1¼"		522	464	428	**351**	216	117

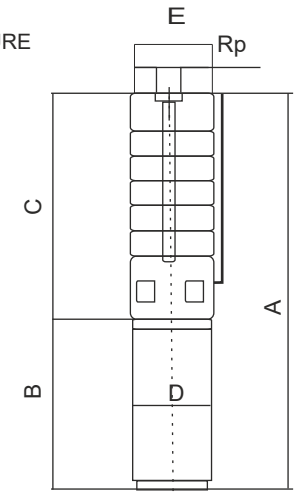
Dimension & weigths of Pump

Technical Data

OSP-2

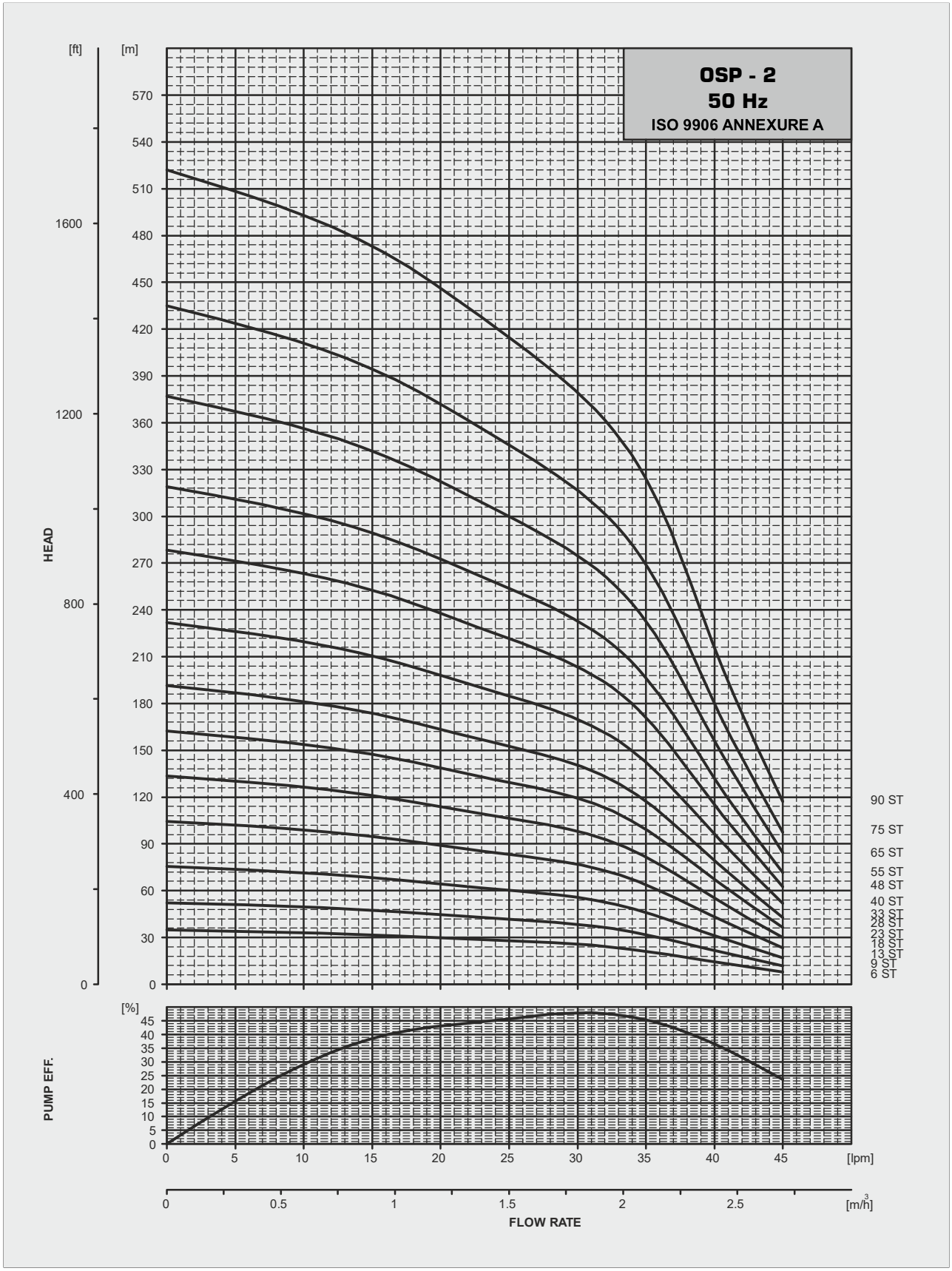
Pump Model	STAGE	MOTOR		PUMP			MOTOR
		JOINING MOTOR	POWER (KW)	Length C	E*	Weight Kg	OD D
OSP-2/6(P4)50(4X4)	6	V-4	0.37	297	101	3.12	97
OSP-2/9(P4)50(4X4)	9	V-4	0.37	369	101	3.88	97
OSP-2/13(P4)50(4X4)	13	V-4	0.55	465	101	4.90	97
OSP-2/18(P4)50(4X4)	18	V-4	0.75	585	101	6.17	97
OSP-2/23(P4)50(4X4)	23	V-4	1.1	705	101	7.44	97
OSP-2/28(P4)50(4X4)	28	V-4	1.5	825	101	8.72	97
OSP-2/33(P4)50(4X4)	33	V-4	1.5	992	101	11.04	97
OSP-2/40(P4)50(4X4)	40	V-4	2.2	1160	101	13.21	97
OSP-2/48(P4)50(4X4)	48	V-4	2.2	1352	101	15.25	97
OSP-2/55(P4)50(4X4)	55	V-4	3	1520	101	17.43	97
OSP-2/65(P4)50(4X4)	65	V-4	3	1760	101	19.98	97
OSP-2/75(P4)50(4X4)	75	V-4	3.7	2005	101	24.17	97
OSP-2/90(P4)50 (4X4)	90	V-4	4.5	2365	101	26.14	97

FIGURE

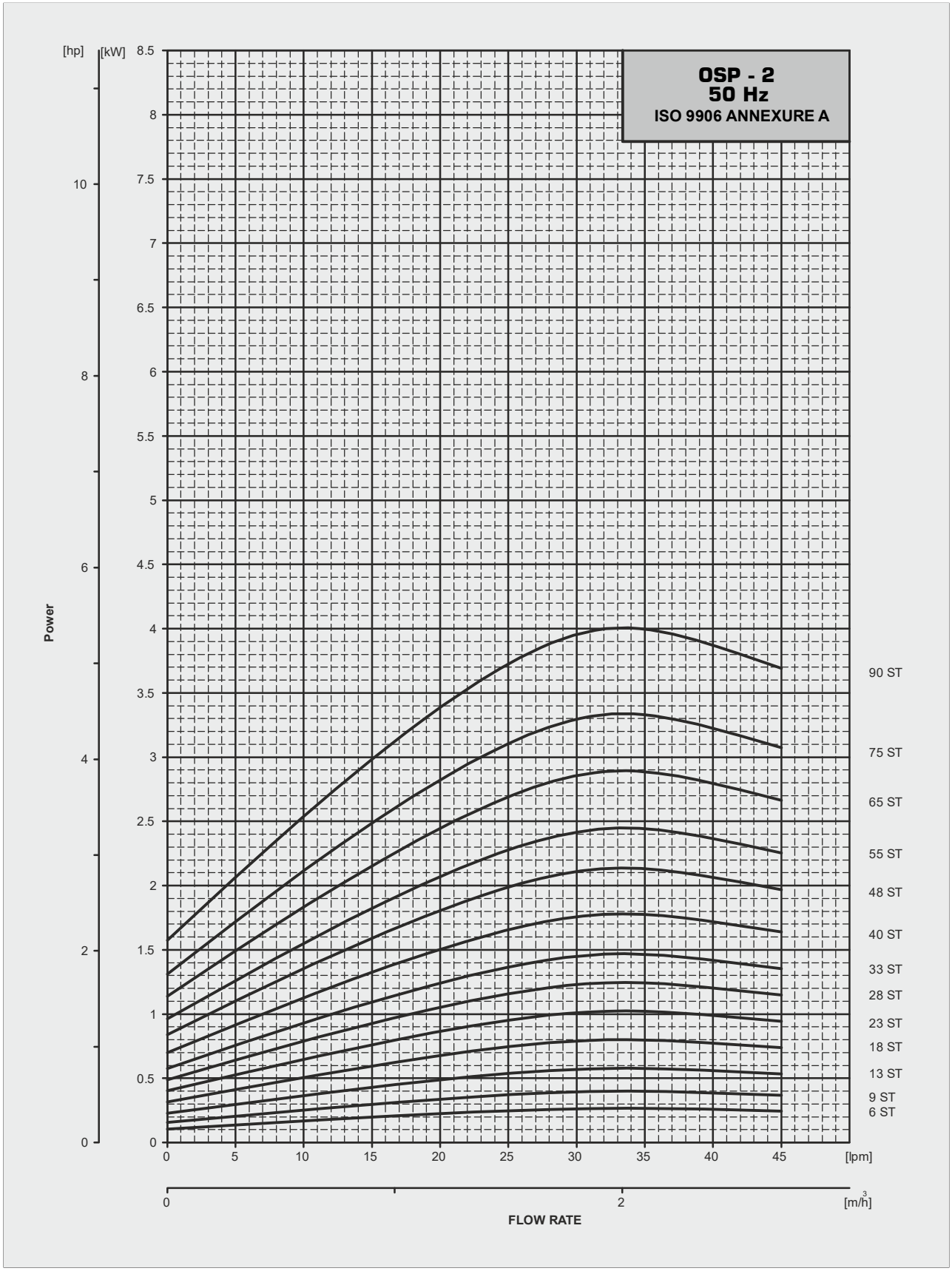


* MAX.DIA OF PUMP WITH ONE MOTOR CABLE

Performance Curves



Power Curves



Raidal Flow Pump

Performance Chart

OSP-3

MODEL	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H	0	1.8	2.4	**3**	3.6	4
						(LPM)	0	30	40	**50**	60	67
OSP-3/6(P4)50(4X4)	0.37	0.5	6	V-4	1½"	HEAD IN METERS	36	32	30	**26**	20	16
OSP-3/9(P4)50(4X4)	0.55	0.75	9	V-4	1½"		54	49	45	**39**	31	23
OSP-3/12(P4)50(4X4)	0.75	1	12	V-4	1½"		72	65	60	**52**	41	31
OSP-3/15(P4)50(4X4)	1.1	1.5	15	V-4	1½"		90	81	75	**65**	51	39
OSP-3/18(P4)50(4X4)	1.1	1.5	18	V-4	1½"		108	97	90	**78**	61	47
OSP-3/22(P4)50(4X4)	1.5	2	22	V-4	1½"		132	119	110	**96**	75	57
OSP-3/25(P4)50(4X4)	1.5	2	25	V-4	1½"		150	135	125	**109**	85	65
OSP-3/29(P4)50(4X4)	2.2	3	29	V-4	1½"		174	157	145	**126**	99	75
OSP-3/33(P4)50(4X4)	2.2	3	33	V-4	1½"		198	178	165	**144**	112	86
OSP-3/39(P4)50(4X4)	3	4	39	V-4	1½"		234	211	195	**170**	133	101
OSP-3/45(P4)50(4X4)	3	4	45	V-4	1½"		270	243	225	**196**	153	117
OSP-3/52(P4)50(4X4)	3.7	5	52	V-4	1½"		312	281	260	**226**	177	135
OSP-3/60(P4)50(4X4)	4.5	6	60	V-4	1½"		360	324	300	**261**	204	156

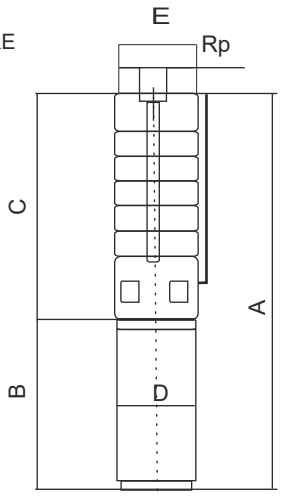
Dimension & weigths of Pump

Technical Data

OSP-3

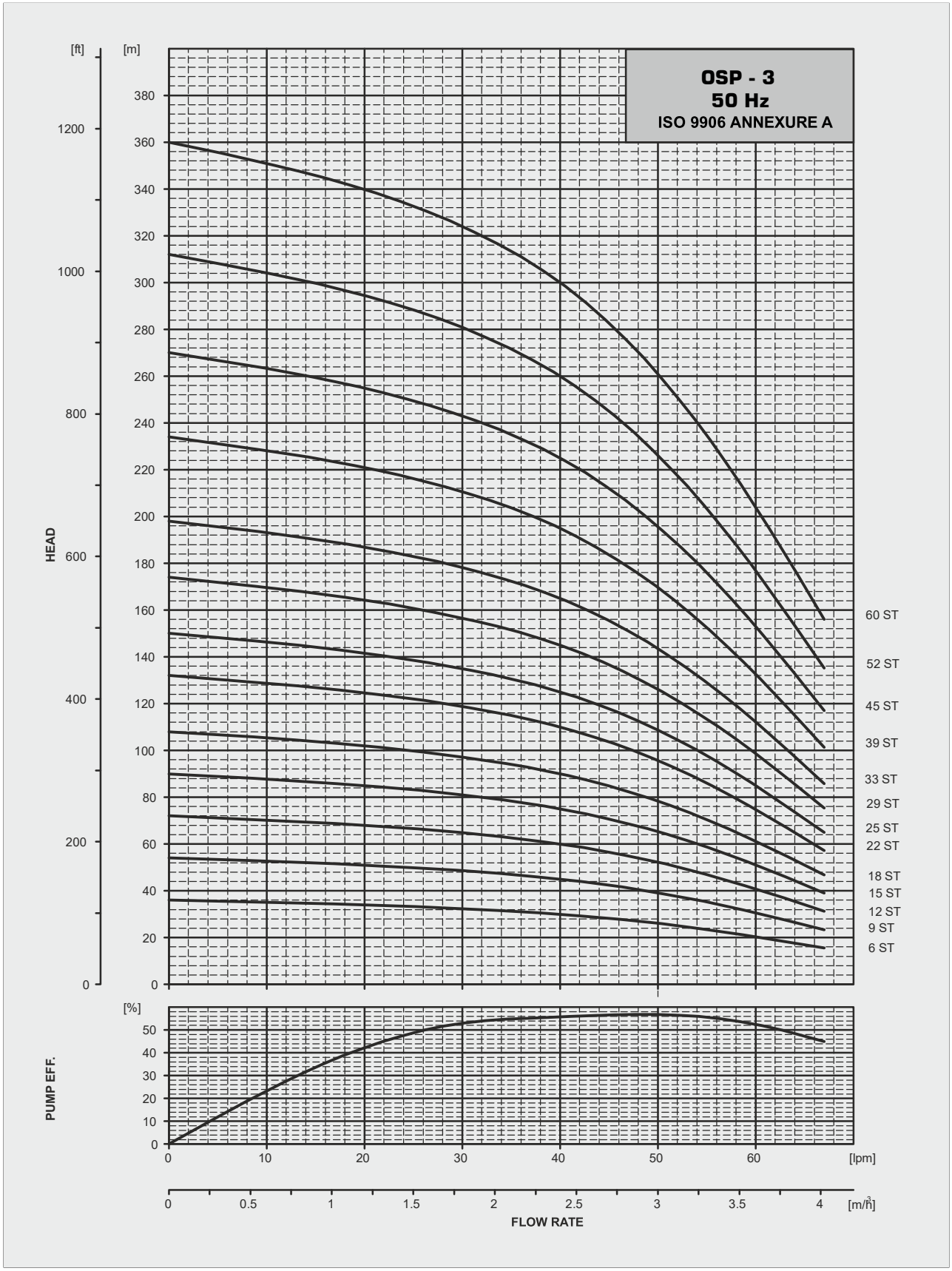
PUMP MODEL	STAGE	MOTOR		PUMP			MOTOR
		JOINING MOTOR	POWER (KW)	Length C	E*	Weight Kg	OD D
OSP-3/6(P4)50(4X4)	6	V-4	0.37	297	101	3.12	97
OSP-3/9(P4)50(4X4)	9	V-4	0.55	369	101	3.88	97
OSP-3/12(P4)50(4X4)	12	V-4	0.75	441	101	4.64	97
OSP-3/15(P4)50(4X4)	15	V-4	1.1	513	101	5.41	97
OSP-3/18(P4)50(4X4)	18	V-4	1.1	585	101	6.17	97
OSP-3/22(P4)50(4X4)	22	V-4	1.5	681	101	7.19	97
OSP-3/25(P4)50(4X4)	25	V-4	1.5	753	101	7.95	97
OSP-3/29(P4)50(4X4)	29	V-4	2.2	849	101	8.97	97
OSP-3/33(P4)50(4X4)	33	V-4	2.2	992	101	11.04	97
OSP-3/39(P4)50(4X4)	39	V-4	3	1136	101	12.56	97
OSP-3/45(P4)50(4X4)	45	V-4	3	1280	101	14.49	97
OSP-3/52(P4)50(4X4)	52	V-4	3.7	1448	101	16.27	97
OSP-3/60(P4)50(4X4)	60	V-4	4.5	1640	101	18.71	97

FIGURE

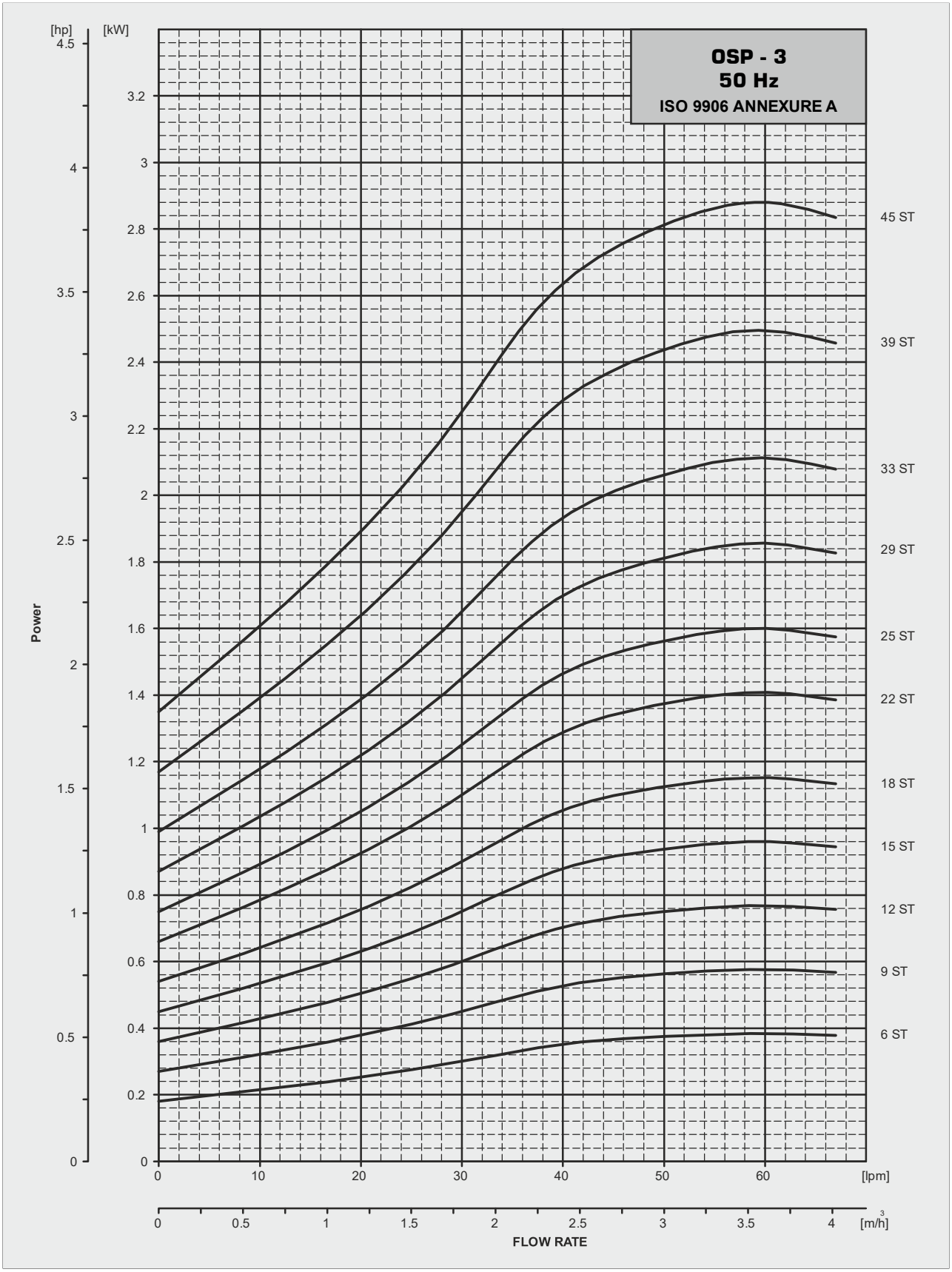


* MAX.DIA OF PUMP WITH ONE MOTOR CABLE

Performance Curves



Power Curves



Raidal Flow Pump

Performance Chart

OSP-5

MODEL	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H	0	2.4	3.4	**4**	**5**	6
						(LPM)	0	40	57	**67**	**83**	100
OSP-5/4(P4)50(4X4)	0.37	0.5	4	V-4	1½"	HEAD IN METERS	24	21	20	**19**	**16**	12
OSP-5/6(P4)50(4X4)	0.55	0.75	6	V-4	1½"		36	32	30	**28**	**24**	17
OSP-5/8(P4)50(4X4)	0.75	1	8	V-4	1½"		48	42	40	**38**	**32**	23
OSP-5/12(P4)50(4X4)	1.1	1.5	12	V-4	1½"		72	63	60	**56**	**48**	35
OSP-5/17(P4)50(4X4)	1.5	2	17	V-4	1½"		102	89	85	**80**	**68**	49
OSP-5/21(P4)50(4X4)	2.2	3	21	V-4	1½"		126	110	105	**99**	**84**	61
OSP-5/25(P4)50(4X4)	2.2	3	25	V-4	1½"		150	131	125	**118**	**100**	73
OSP-5/33(P4)50(4X4)	3	4	33	V-4	1½"		198	173	165	**155**	**132**	96
OSP-5/38(P4)50(4X4)	3.7	5	38	V-4	1½"		228	200	190	**179**	**152**	110
OSP-5/44(P4)50(4X4)	4.5	6	44	V-4	1½"		264	231	220	**207**	**176**	128
OSP-5/52(P4)50(4X4)	5.5	7.5	52	V-4	1½"		312	273	260	**244**	**208**	151
OSP-5/60(P4)50(4X4)	5.5	7.5	60	V-4	1½"		360	315	300	**282**	**240**	174

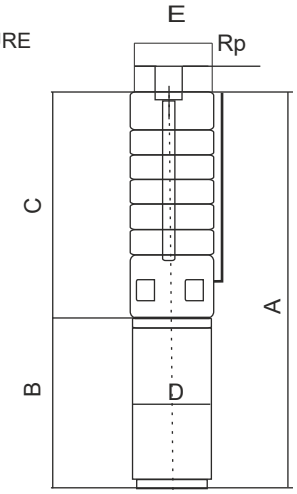
Dimension & weigths of Pump

Technical Data

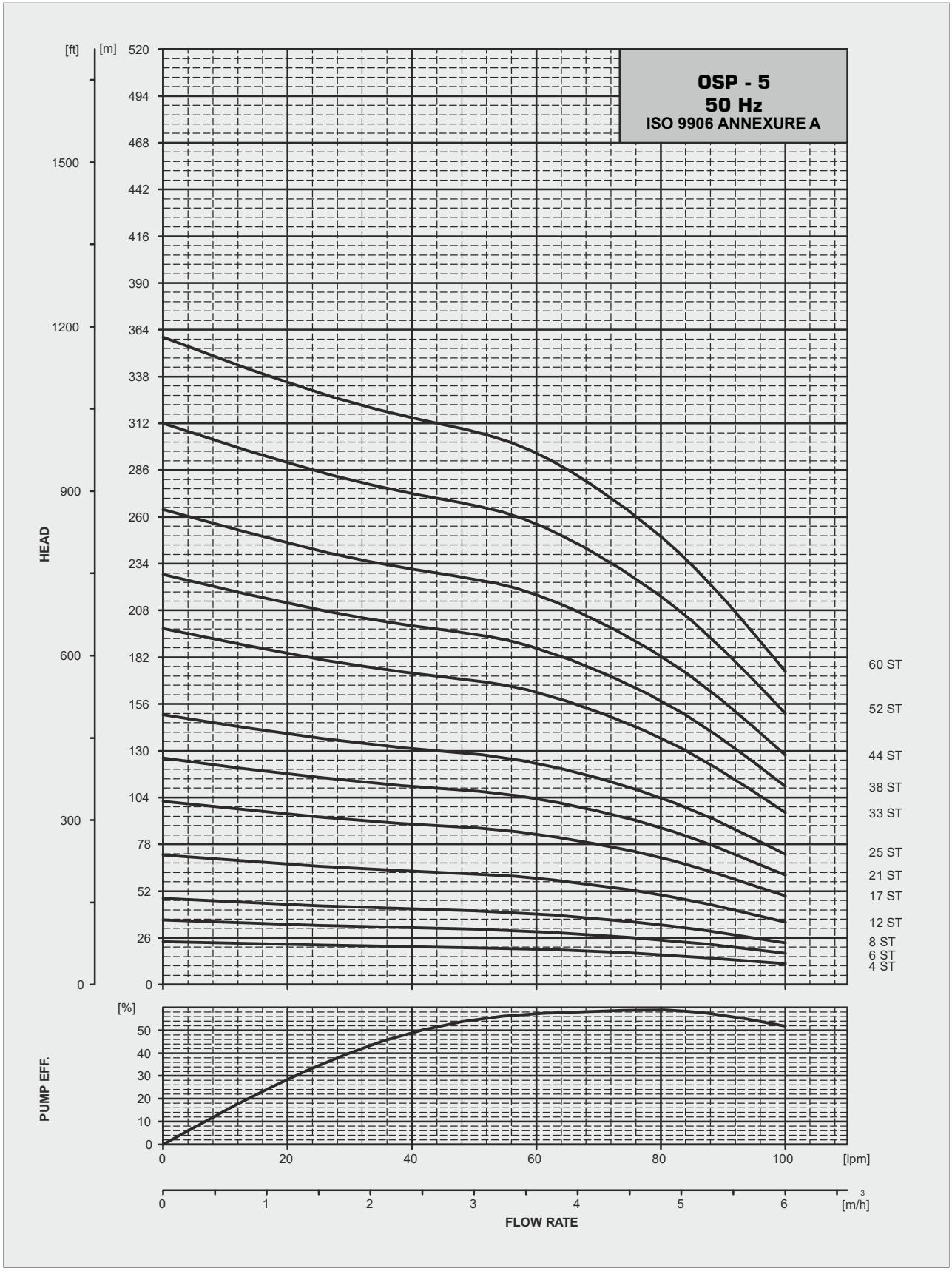
OSP-5

PUMP MODEL	STAGE	MOTOR		PUMP			MOTOR
		JOINING MOTOR	POWER (KW)	Length		Weight	OD
				C	E*	Kg	D
OSP-5/4(P4)50(4X4)	4	V-4	0.37	249	101	2.61	97
OSP-5/6(P4)50(4X4)	6	V-4	0.55	297	101	3.12	97
OSP-5/8(P4)50(4X4)	8	V-4	0.75	345	101	3.63	97
OSP-5/12(P4)50(4X4)	12	V-4	1.1	441	101	4.64	97
OSP-5/17(P4)50(4X4)	17	V-4	1.5	561	101	5.92	97
OSP-5/21(P4)50(4X4)	21	V-4	2.2	657	101	6.94	97
OSP-5/25(P4)50(4X4)	25	V-4	2.2	753	101	7.95	97
OSP-5/33(P4)50(4X4)	33	V-4	3	992	101	11.04	97
OSP-5/38(P4)50(4X4)	38	V-4	3.7	1112	101	12.31	97
OSP-5/44(P4)50(4X4)	44	V-4	4.5	1256	101	14.23	97
OSP-5/52(P4)50(4X4)	52	V-4	5.5	1448	101	16.27	97
OSP-5/60(P4)50(4X4)	60	V-4	5.5	1640	101	18.31	97

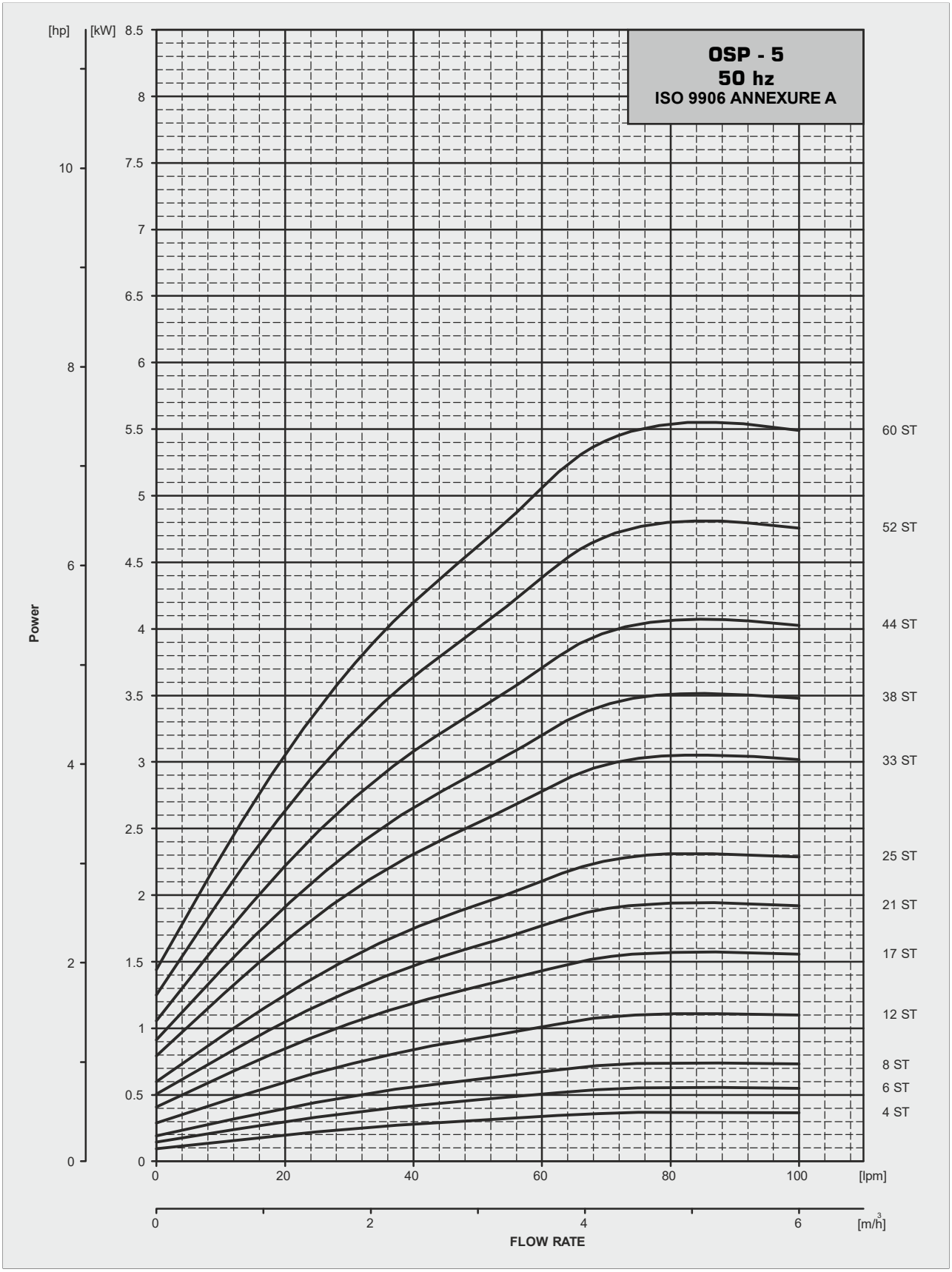
FIGURE



Performance Curves



Power Curves



Mix Flow Pump

Performance Chart

OSP-8+

MODEL	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H (LPM)	0	6	8.4	**9**	10.5	11
							0	100	140	**150**	175	185
OSP-8+/5(P4)50(4X4)	0.75	1	5	V-4	2"	HEAD IN METERS	30	24	23	**20**	18	14
OSP-8+/7(P4)50(4X4)	1.1	1.5	7	V-4	2"		42	34	32	**28**	25	20
OSP-8+/10(P4)50(4X4)	1.5	2	10	V-4	2"		60	48	45	**40**	36	28
OSP-8+/12(P4)50(4X4)	2.2	3	12	V-4	2"		72	58	54	**48**	43	34
OSP-8+/15(P4)50(4X4)	2.2	3	15	V-4	2"		90	72	68	**60**	54	42
OSP-8+/18(P4)50(4X4)	3	4	18	V-4	2"		108	86	81	**72**	65	50
OSP-8+/21(P4)50(4X4)	3.7	5	21	V-4	2"		126	101	95	**84**	76	59
OSP-8+/25(P4)50(4X4)	4.5	6	25	V-4	2"		150	120	113	**100**	90	70
OSP-8+/30(P4)50(4X4)	5.5	7.5	30	V-4	2"		180	144	135	**120**	108	84
OSP-8+/37(P4)50(4X4)	5.5	7.5	37	V-4	2"		222	178	167	**148**	133	104

Dimension & weigths of Pump

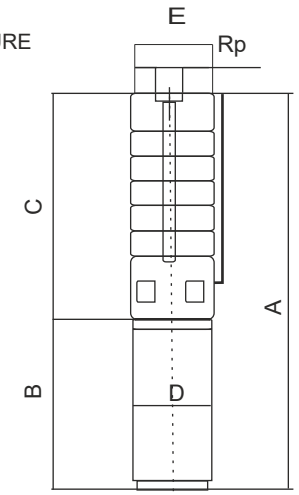
Technical Data

OSP-8+

PUMP MODEL	STAGE	MOTOR		PUMP			MOTOR
		JOINING MOTOR	POWER (KW)	Length C	E*	Weight Kg	OD D
OSP-8+/5(P4)50(4X4)	5	V-4	0.75	457	101	5.10	97
OSP-8+/7(P4)50(4X4)	7	V-4	1.10	557	101	6.20	97
OSP-8+/10(P4)50(4X4)	10	V-4	1.5	707	101	7.85	97
OSP-8+/12(P4)50(4X4)	12	V-4	2.2	807	101	8.95	97
OSP-8+/15(P4)50(4X4)	15	V-4	2.2	957	101	10.61	97
OSP-8+/18(P4)50(4X4)	18	V-4	3	1107	101	12.26	97
OSP-8+/21(P4)50(4X4)	21	V-4	3.7	1257	101	13.91	97
OSP-8+/25(P4)50(4X4)	25	V-4	4.5	1457	101	16.12	97
OSP-8+/30(P4)50(4X4)	30	V-4	5.5	1707	101	18.87	97
OSP-8+/37(P4)50(4X4)	37	V-4	5.5	2057	101	22.73	97

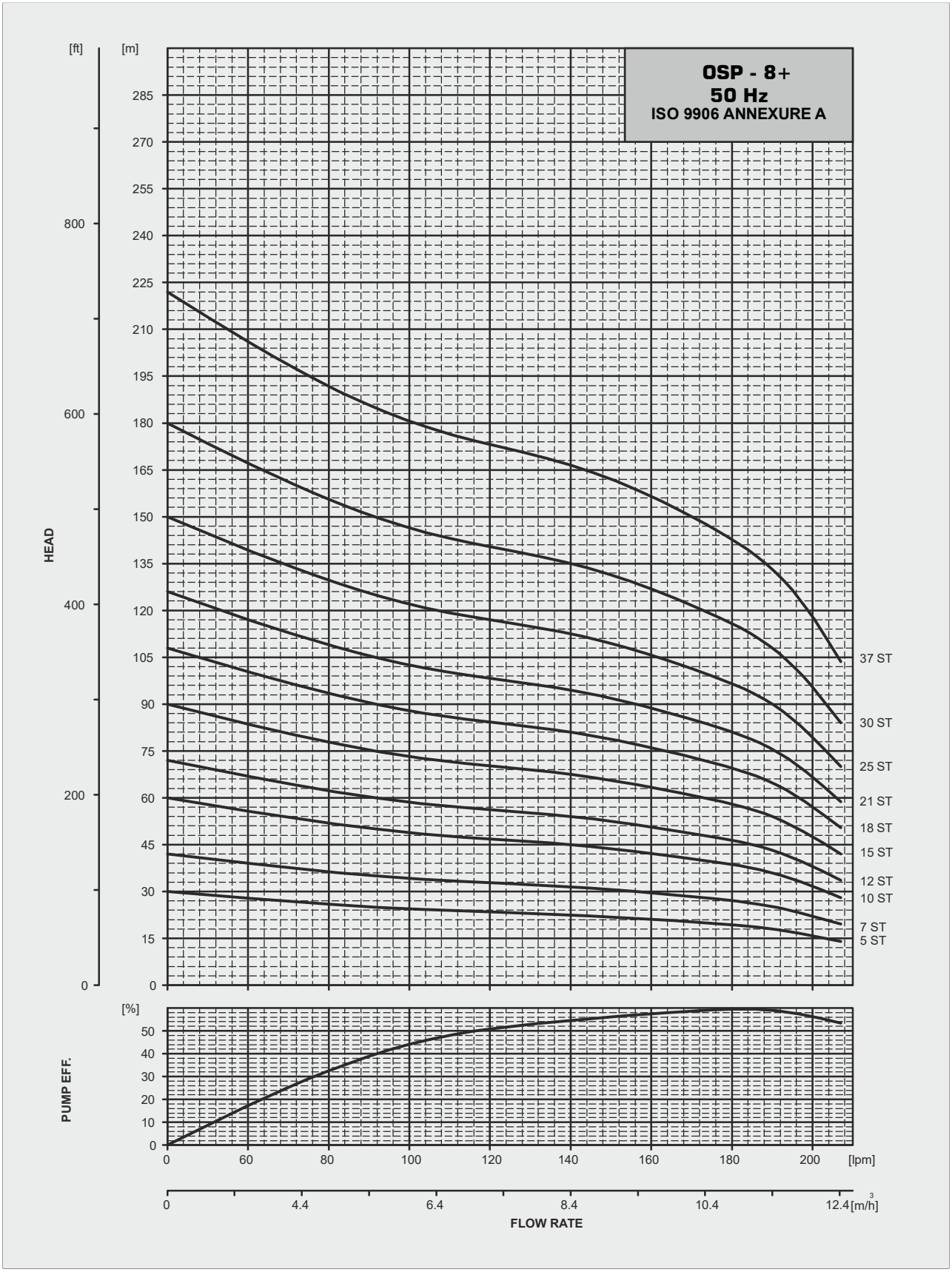
MAX.DIA OF PUMP WITH ONE MOTOR CABLE

FIGURE

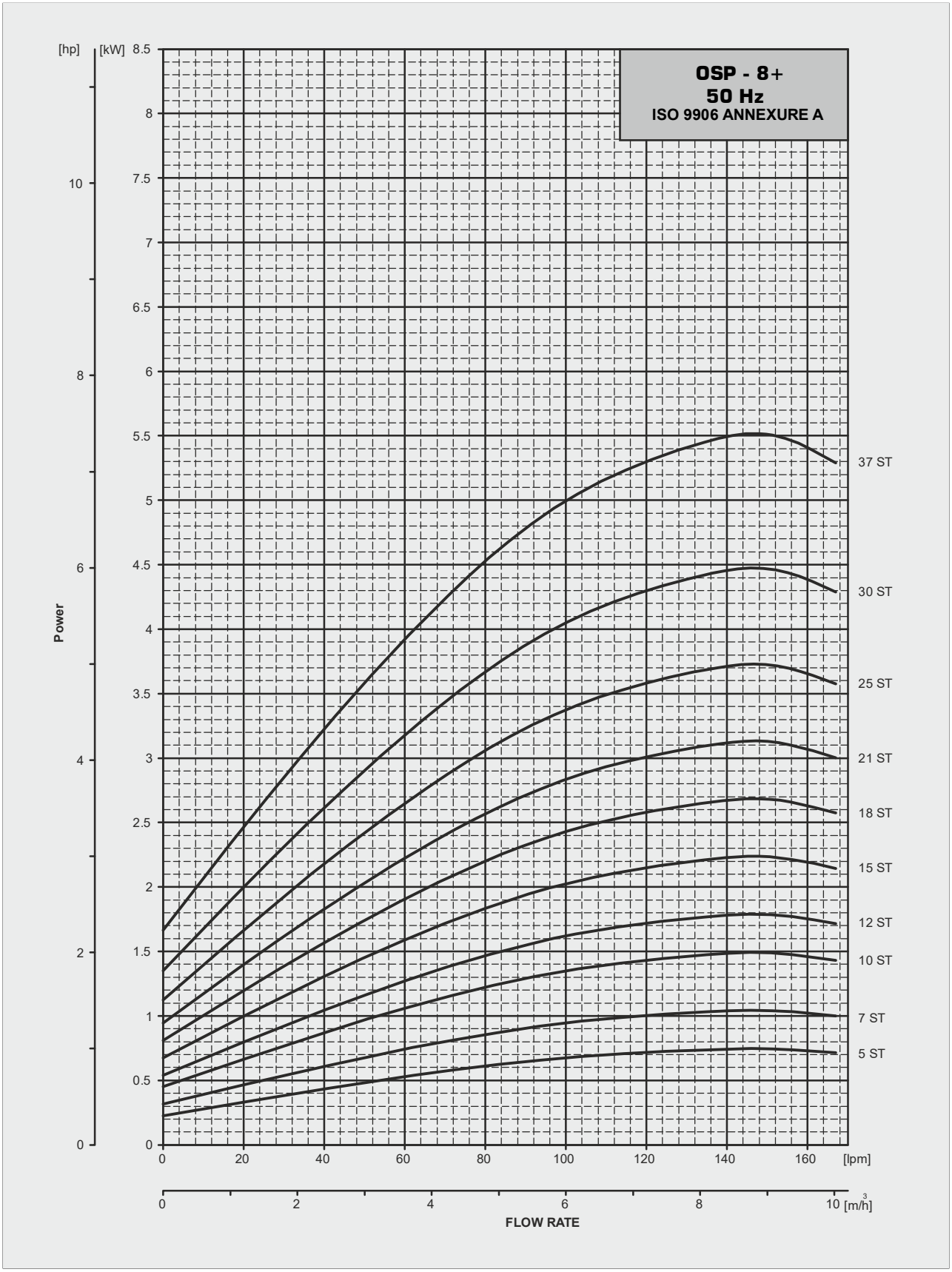


*

Performance Curves



Power Curves



Mix Flow Pump

Performance Chart

OSP-14

MODEL	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H (LPM)	0	6	**12**	**14**	15	18
							0	100	**200**	**233**	250	300
OSP-14/5(P4)50(4X4)	1.5	2	5	V-4	2"	HEAD IN METERS	33	31	**26**	**23**	21	13
OSP-14/7(P4)50(4X4)	2.2	3	7	V-4	2"		46	43	**36**	**32**	29	18
OSP-14/10(P4)50(4X4)	3	4	10	V-4	2"		66	62	**51**	**46**	41	26
OSP-14/13(P4)50(4X4)	4.5	6	13	V-4	2"		86	81	**66**	**60**	53	34
OSP-14/18(P4)50(4X4)	5.5	7.5	18	V-4	2"		119	112	**92**	**83**	74	47

Dimension & weigths of Pump

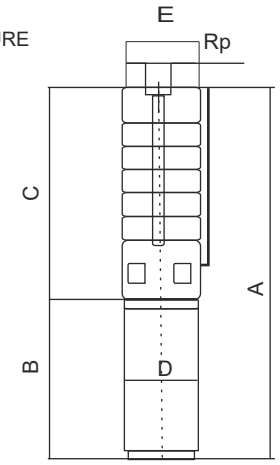
Technical Data

OSP-14

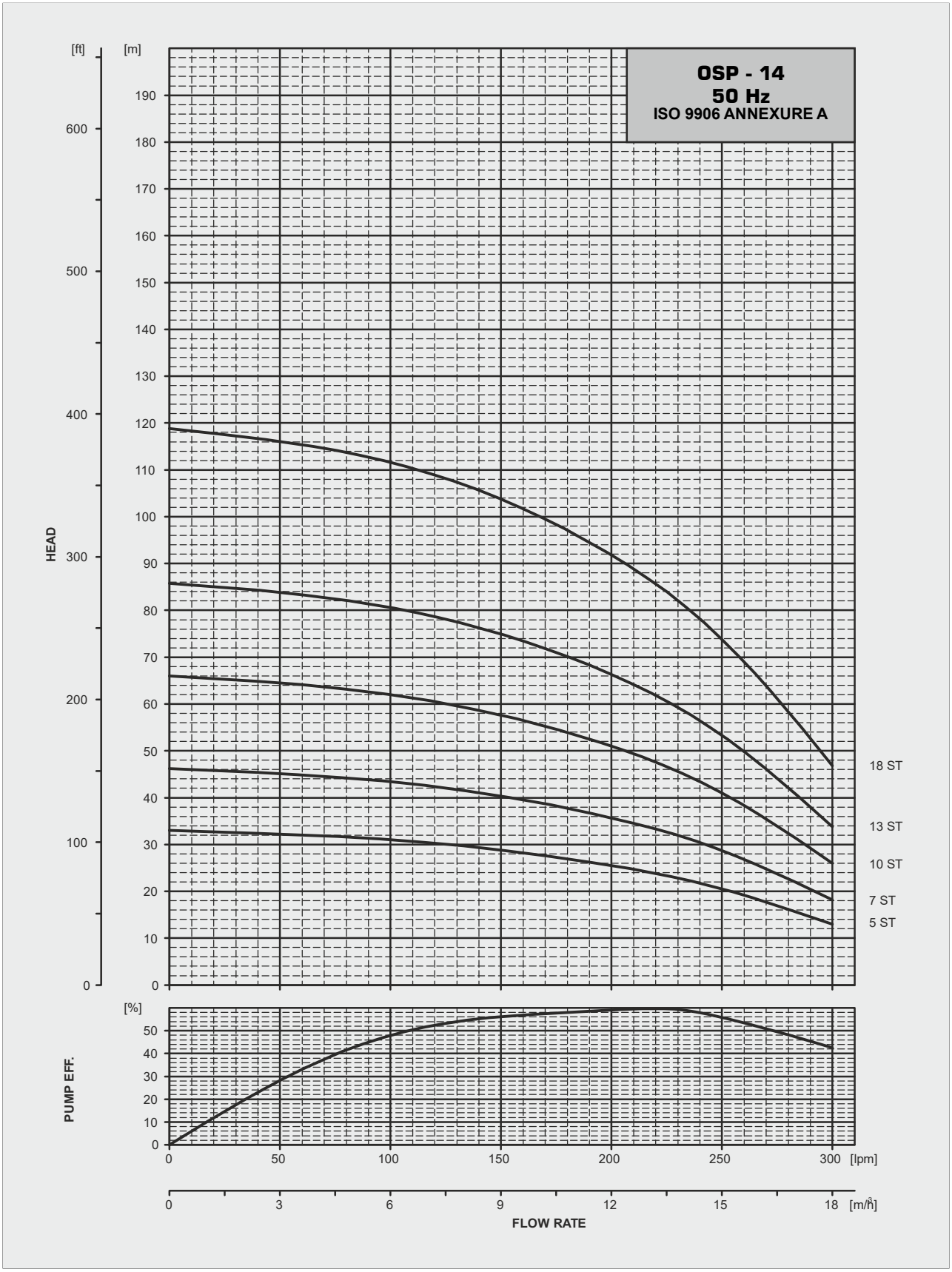
PUMP MODEL	STAGE	MOTOR		PUMP			MOTOR
		JOINING MOTOR	POWER (KW)	Length		Weight	OD
				C	E*	Kg	D
OSP-14/5(P4)50(4X4)	5	V-4	1.50	510	101	6.10	97
OSP-14/7(P4)50(4X4)	7	V-4	2.20	640	101	7.62	97
OSP-14/10(P4)50(4X4)	10	V-4	3	835	101	9.89	97
OSP-14/13(P4)50(4X4)	13	V-4	4.5	1030	101	12.16	97
OSP-14/18(P4)50(4X4)	18	V-4	5.5	1355	101	15.95	97

MAX.DIA OF PUMP WITH ONE MOTOR CABLE

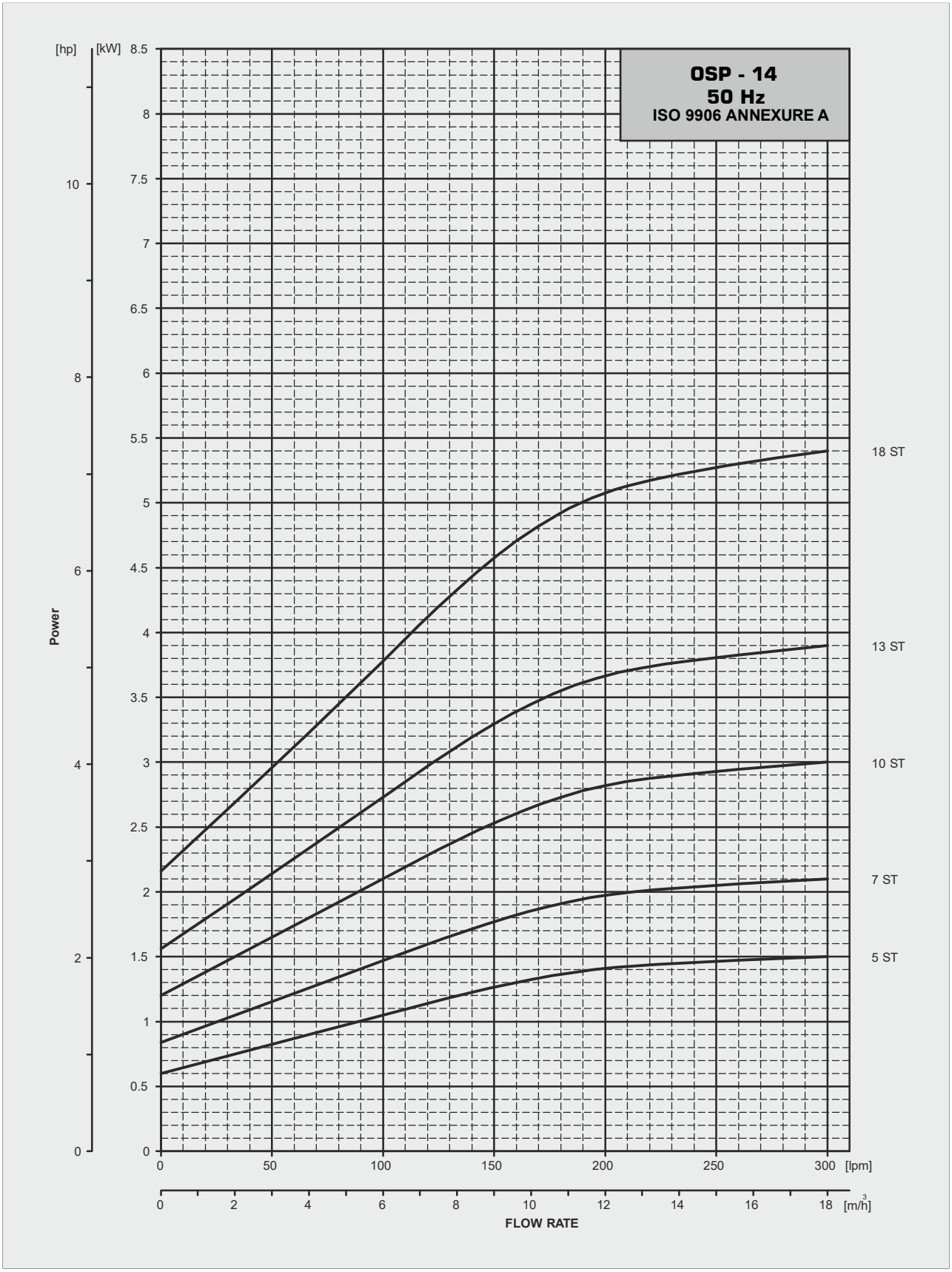
FIGURE



Performance Curves



Power Curves



6"

Submersible Pump

Cut View 6” Submersible Pump

Non-Return Valve

* All pumps are equipped with a reliable non-return valve which prevents back flow in connection with pump stoppage.
* Further more, the short closing time of the non-return valve means that the risk of destructive water hammer is reduced to the minimum.
* The valve casing is designed for optimum hydraulic properties, to minimize the pressure loss across the valve and thus contributes to the high efficiency of the pump.

Bearing with Sand Channels

* All bearing are water-Lubricated and have a octagone shape enabling sand particles.

Stop Ring

* The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up.
* The stop ring, which is designed as a thrust bearing limits axial movements of the pump shaft.

Inlet Strainer

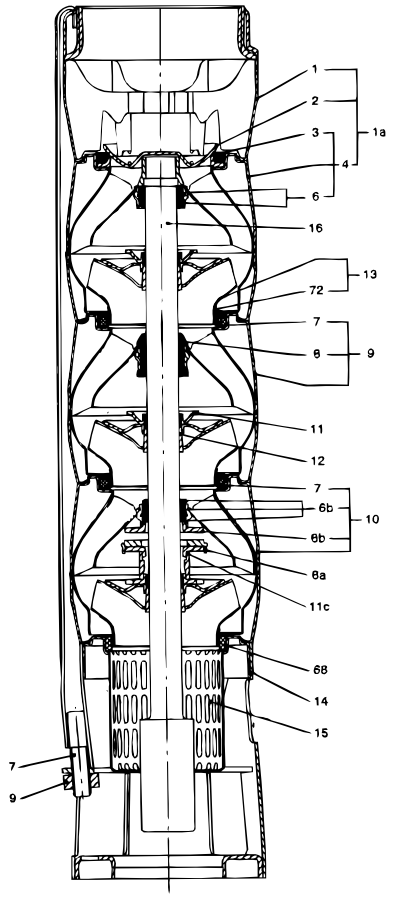
* The inlet strainer prevents particles over a certain size from entering the pump.

Material of Construction

MATERIAL SPECIFICATION - OSP -46/60

S.No.	Components	Material	Standard
1	Valve casing	Stainless steel	304
la	Discharge chamber complete	Stainless steel	304
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel +NBR	
4	Top chamber	Stainless steel	304
6	Upper bearing	NBR	
	Cap	Stainless steel	304
6b	Lower bearing	NBR	
	Cap	Stainless steel	304
7	Neck ring	NBR+Stainless steel	
8	Bearing.	NBR	
8a	Washer for stop ring	Cabron/graphite hy 22 in ptfe mass	
8b	Stop ring	Stainless steel	304
9	Inter meditate Chamber	Stainless steel	304
10	Bottom chamber complete	Stainless steel	304
11	Split cone nut	Stainless steel	304
l1c	Nut for stop ring	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	431
16	Pump shaft	Stainless steel	304
17	Strap	Stainless steel	304
18	Cable guard	Stainless steel	304
18a	Cheese-screw for cable guard	Stainless steel	304
19	Nut	Stainless steel	304
72	Wear ring	Stainless steel	304

Sectional View



6” Submersible Pump General Data

Construction

Submersible motor and pumps for Bore wells of 6” (150 mm)

- All sizes of pumps according to the NEMA standard

OSP series pumps are completely made out of AISI 304 stainless steel material.
Mixed flow Model : OSP-9 , OSP-12, OSP-17, OSP-30, OSP-40, OSP-46, OSP-60

Application

For water supply
For irrigation
For civil and industrial applications.
For fire fighting application

General Data

Head range up to 475 meters

- Flow range up to 60 M^3/hr.

Operating Condition

Maximum liquid temperature : 45ºc
Maximum quantity of sand 50 gm / m^3

- Minimum suction head required : 1.5 meter.

Max. start per hour 30 at regular intervals.
Direction of rotation : clockwise as seen from the pump coupling side.

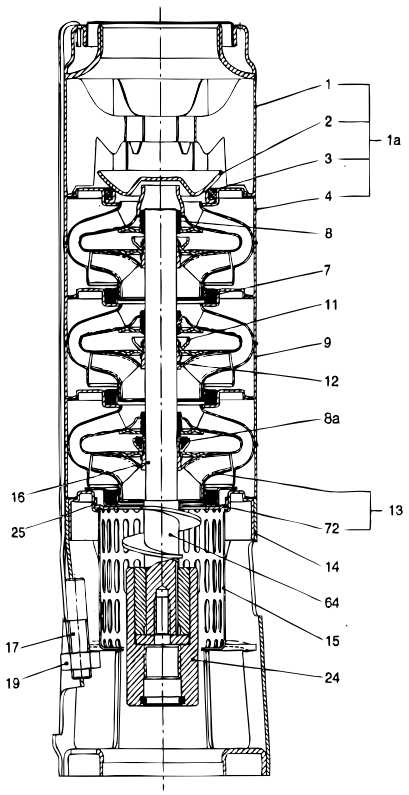
Special Construction On Request

Also available in NPT connection

Material of Construction

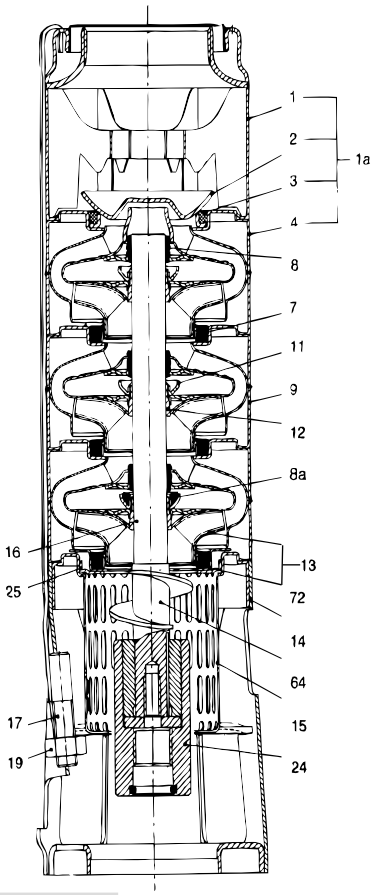
MATERIAL SPECIFICATION OSP 9

S.No.	Components	Material	Standard
1	Valve casing	Stainless steel	304
la	Discharge chamber complete	Stainless steel	304
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel	
4	Top intermediate chamber	Stainless steel	304
7	Neck ring	NBR/PPS	
8	Intermediate bearing	NBR	
9	Spacing washer	Cabron /graphite Hy 22 in PTFE mass	
8a	Intermediate chamber	Stainless steel	304
11	Split cone nut	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	304
16	Pump shaft	Stainless steel	431
17	Strap	Stainless steel	304
18	Cable guard	Stainless steel	304
72	Wear ring	Stainless steel	304
75	Spacer ring	Stainless steel	304



MATERIAL SPECIFICATION OSP 12

S.No.	Components	Material	Standard
1	Valve casing	Stainless steel	304
la	Discharge chamber complete	Stainless steel	304
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel	
4	Top intermediate chamber	Stainless steel	304
7	Neck ring	NBR/PPS	
8	Intermediate bearing	NBR	
9	Spacing washer	Cabron /graphite Hy 22 in PTFE mass	
8a	Intermediate chamber	Stainless steel	304
11	Split cone nut	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	304
16	Pump shaft	Stainless steel	431
17	Strap	Stainless steel	304
18	Cable guard	Stainless steel	304
72	Wear ring	Stainless steel	304
75	Spacer ring	Stainless steel	304

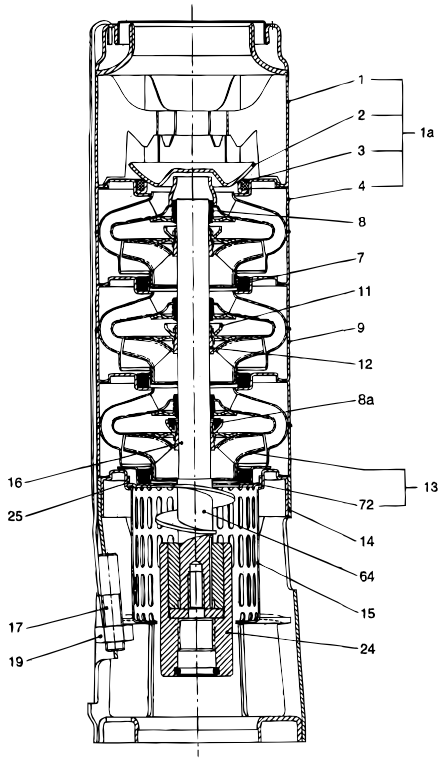


Material of Construction

MATERIAL SPECIFICATION OSP -17

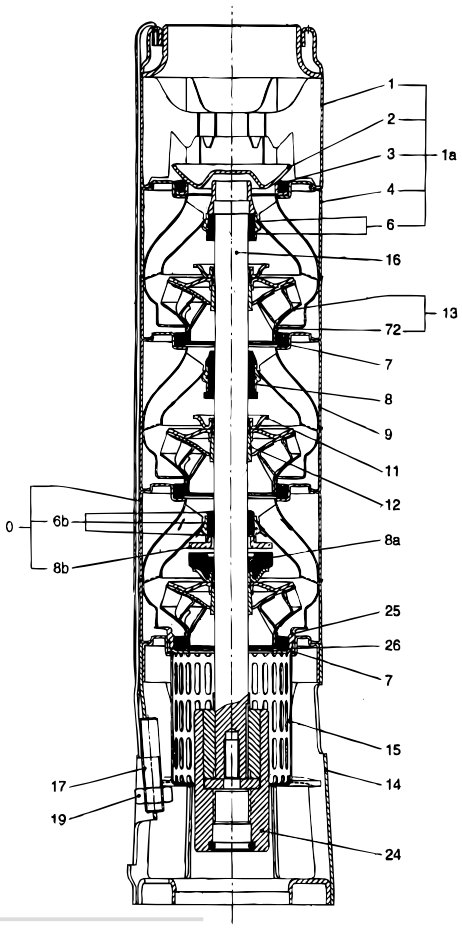
S.No.	Components	Material	Standard
1	Valve casing	Stainless steel	304
la	Discharge chamber complete	Stainless steel	304
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel	
4	Top intermediate chamber	Stainless steel	304
7	Neck ring	NBR/PPS	
8	Intermediate bearing	NBR	
9	Spacing washer	Cabron /graphite Hy 22 in PTFE mass	
8a	Intermediate chamber	Stainless steel	304
11	Split cone nut	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	304
16	Pump shaft	Stainless steel	431
17	Strap	Stainless steel	304
18	Cable guard	Stainless steel	304
72	Wear ring	Stainless steel	304
75	Spacer ring	Stainless steel	304
78	Nameplate	Stainless steel	304

Sectional View



MATERIAL SPECIFICATION OSP - 30

S.No.	Components	Material	Standard
1	Valve casing	Stainless steel	304
la	Discharge chamber complete	Stainless steel	304
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel +NBR	
4	Top intermediate chamber	Stainless steel	304
6	Upper bearing	NBR	
	Cap	Stainless steel	304
6b	Lower bearing	NBR	
	Cap	Stainless steel	304
7	Neck ring	NBR+Stainless steel	
8	Intermediate bearing.	NBR	
8a	Spacing washer for stop ring	Carbon/graphite Hy 22 in PTFE mass	
8b	Stop ring	Stainless steel	304
9	Intermediate chamber	Stainless steel	304
10	Bottom intermediate chamber	Stainless steel	304
11	Split cone nut	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	304
16	Pump shaft	Stainless steel	431
17	Strap	Stainless steel	304
18	Cable guard	Stainless steel	304
19	Nut	Stainless steel	304
19a	Nut	Stainless steel	304
23	Rubber guard	Rubber	
25	Neck ring retainer	Stainless steel	304
72	Wear ring	Stainless steel	304



Performance Table

Submersible Pump OSP-9

MODEL OSP - 9	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge Q						
						M^3/H	0	6	**9**	12	15	
						LPM	0	100	**150**	200	250	
OSP-9/1(P4)50(4X6)	0.55	0.75	1	V-4	2"BSP	(HEAD (METERS)	10.5	9.8	**8.8**	7.5	6.2	
OSP-9/2(P4)50(4X6)	1.1	1.5	2	V-4	2"BSP		21	20	**18**	15	12	
OSP-9/3(P4)50(4X6)	1.5	2	3	V-4	2"BSP		32	29	**26**	23	19	
OSP-9/4(P4)50(4X6)	2.2	3	4	V-4	2"BSP		42	39	**35**	30	25	
OSP-9/5(P4)50(4X6)	2.2	3	5	V-4	2"BSP		53	49	**44**	38	31	
OSP-9/6(P4)50(4X6)	3.0	4	6	V-4	2"BSP		63	59	**53**	45	37	
OSP-9/7(P4)50(4X6)	3.0	4	7	V-4	2"BSP		74	69	**62**	53	43	
OSP-9/8(P4)50(6X6)	4.0	5.5	8	V-6	2"BSP		84	78	**70**	60	50	
OSP-9/9(P4)50(6X6)	4.0	5.5	9	V-6	2"BSP		95	88	**79**	68	56	
OSP-9/10(P4)50(6X6)	4.5	6	10	V-6	2"BSP		105	98	**88**	75	62	
OSP-9/11(P4)50(6X6)	5.5	7.5	11	V-6	2"BSP		116	108	**97**	83	68	
OSP-9/12(P4)50(6X6)	5.5	7.5	12	V-6	2"BSP		126	118	**106**	90	74	
OSP-9/13(P4)50(6X6)	5.5	7.5	13	V-6	2"BSP		137	127	**114**	98	81	
OSP-9/14(P4)50(6X6)	7.5	10	14	V-6	2"BSP		147	137	**123**	105	87	
OSP-9/15(P4)50(6X6)	7.5	10	15	V-6	2"BSP		158	147	**132**	113	93	
OSP-9/16(P4)50(6X6)	7.5	10	16	V-6	2"BSP		168	157	**141**	120	99	
OSP-9/17(P4)50(6X6)	7.5	10	17	V-6	2"BSP		179	167	**150**	128	105	
OSP-9/18(P4)50(6X6)	7.5	10	18	V-6	2"BSP		189	176	**158**	135	112	
OSP-9/19(P4)50(6X6)	9.3	12.5	19	V-6	2"BSP		200	186	**167**	143	118	
OSP-9/20(P4)50(6X6)	9.3	12.5	20	V-6	2"BSP		210	196	**176**	150	124	
OSP-9/21(P4)50(6X6)	9.3	12.5	21	V-6	2"BSP		221	206	**185**	158	130	
OSP-9/22(P4)50(6X6)	9.3	12.5	22	V-6	2"BSP		231	216	**194**	165	136	
OSP-9/23(P4)50(6X6)	11	15	23	V-6	2"BSP		242	225	**202**	173	143	
OSP-9/24(P4)50(6X6)	11	15	24	V-6	2"BSP		252	235	**211**	180	149	
OSP-9/25(P4)50(6X6)	11	15	25	V-6	2"BSP		263	245	**220**	188	155	
OSP-9/26(P4)50(6X6)	11	15	26	V-6	2"BSP		273	255	**229**	195	161	
OSP-9/27(P4)50(6X6)	13	17.5	27	V-6	2"BSP		284	265	**238**	203	167	
OSP-9/28(P4)50(6X6)	13	17.5	28	V-6	2"BSP		294	274	**246**	210	174	
OSP-9/29(P4)50(6X6)	13	17.5	29	V-6	2"BSP		305	284	**255**	218	180	
OSP-9/30(P4)50(6X6)	13	17.5	30	V-6	2"BSP		315	294	**264**	225	186	
OSP-9/31(P4)50(6X6)	13	17.5	31	V-6	2"BSP		326	304	**273**	233	192	
OSP-9/32(P4)50(6X6)	15	20	32	V-6	2"BSP		336	314	**282**	240	198	
OSP-9/33(P4)50(6X6)	15	20	33	V-6	2"BSP		347	323	**290**	248	205	
OSP-9/34(P4)50(6X6)	15	20	34	V-6	2"BSP		357	333	**299**	255	211	
OSP-9/35(P4)50(6X6)	15	20	35	V-6	2"BSP		368	343	**308**	263	217	
OSP-9/36(P4)50(6X6)	15	20	36	V-6	2"BSP		378	353	**317**	270	223	
OSP-9/37(P4)50(6X6)	18.5	25	37	V-6	2"BSP		389	363	**326**	278	229	
OSP-9/38(P4)50(6X6)	18.5	25	38	V-6	2"BSP		399	372	**334**	285	236	
OSP-9/39(P4)50(6X6)	18.5	25	39	V-6	2"BSP		410	382	**343**	293	242	
OSP-9/40(P4)50(6X6)	18.5	25	40	V-6	2"BSP		420	392	**352**	300	248	
OSP-9/41(P4)50(6X6)	18.5	25	41	V-6	2"BSP		431	402	**361**	308	254	
OSP-9/42(P4)50(6X6)	18.5	25	42	V-6	2"BSP		441	412	**370**	315	260	
OSP-9/43(P4)50(6X6)	18.5	25	43	V-6	2"BSP		452	421	**378**	323	267	
OSP-9/44(P4)50(6X6)	18.5	25	44	V-6	2"BSP		462	431	**387**	330	273	

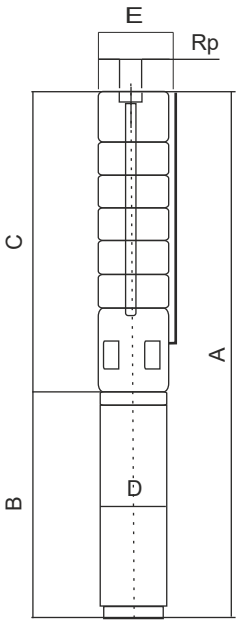
Performance Table

Submersible Pump OSP-9

MODEL OSP - 9	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge Q					
						M^3/H	0	6	**9**	12	15
						LPM	0	100	**150**	200	250
OSP-9/52(P4)50(6X6)	22	30	52	V-4	2"BSP		546	510	**458**	390	222
OSP-9/60(P4)50(6X6)	30	40	60	V-4	2"BSP		630	588	**528**	450	372
OSP-9/68(P4)50(6X6)	30	40	68	V-4	2"BSP		714	666	**598**	510	422

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-9/1(P4)50(4X6)	1	V-4	0.55	336	131		5.37	97
OSP-9/2(P4)50(4X6)	2	V-4	0.75	397	131		6.61	97
OSP-9/3(P4)50(4X6)	3	V-4	1.5	458	131		7.85	97
OSP-9/4(P4)50(4X6)	4	V-4	2.2	519	143	145	9.10	97
OSP-9/5(P4)50(4X6)	5	V-4	2.2	580	143	145	10.34	97
OSP-9/6(P4)50(4X6)	6	V-4	3.0	641	143	145	11.58	97
OSP-9/7(P4)50(4X6)	7	V-4	3.0	702	143	145	12.82	97
OSP-9/8(P4)50(6X6)	8	V-6	4.0	763	143	145	15.88	144
OSP-9/9(P4)50(6X6)	9	V-6	4.0	824	143	145	17.12	144
OSP-9/10(P4)50(6X6)	10	V-6	4.5	885	143	145	18.36	144
OSP-9/11(P4)50(6X6)	11	V-6	5.5	946	143	145	19.60	144
OSP-9/12(P4)50(6X6)	12	V-6	5.5	1007	143	145	20.84	144
OSP-9/13(P4)50(6X6)	13	V-6	5.5	1068	143	145	22.09	144
OSP-9/14(P4)50(6X6)	14	V-6	7.5	1129	143	145	23.33	144
OSP-9/15(P4)50(6X6)	15	V-6	7.5	1190	143	145	24.57	144
OSP-9/16(P4)50(6X6)	16	V-6	7.5	1251	143	145	25.81	144
OSP-9/17(P4)50(6X6)	17	V-6	7.5	1312	143	145	27.05	144
OSP-9/18(P4)50(6X6)	18	V-6	7.5	1373	143	145	28.29	144
OSP-9/19(P4)50(6X6)	19	V-6	9.3	1434	143	145	29.53	144
OSP-9/20(P4)50(6X6)	20	V-6	9.3	1495	143	145	30.77	144
OSP-9/21(P4)50(6X6)	21	V-6	9.3	1556	143	145	32.01	144
OSP-9/22(P4)50(6X6)	22	V-6	9.3	1617	143	145	33.25	144
OSP-9/23(P4)50(6X6)	23	V-6	11.0	1678	143	145	34.50	144
OSP-9/24(P4)50(6X6)	24	V-6	11.0	1739	143	145	35.74	144
OSP-9/25(P4)50(6X6)	25	V-6	11.0	1800	143	145	36.98	144
OSP-9/26(P4)50(6X6)	26	V-6	11.0	1861	143	145	38.22	144
OSP-9/27(P4)50(6X6)	27	V-6	13.0	1922	143	145	39.46	144
OSP-9/28(P4)50(6X6)	28	V-6	13.0	1983	143	145	40.70	144
OSP-9/29(P4)50(6X6)	29	V-6	13.0	2044	143	145	41.94	144
OSP-9/30(P4)50(6X6)	30	V-6	13.0	2105	143	145	43.18	144
OSP-9/31(P4)50(6X6)	31	V-6	13.0	2166	143	145	44.42	144
OSP-9/32(P4)50(6X6)	32	V-6	15.0	2227	143	145	45.66	144
OSP-9/33(P4)50(6X6)	33	V-6	15.0	2288	143	145	46.91	144
OSP-9/34(P4)50(6X6)	34	V-6	15.0	2349	143	145	48.15	144
OSP-9/35(P4)50(6X6)	35	V-6	15.0	2410	143	145	49.39	144
OSP-9/36(P4)50(6X6)	36	V-6	15.0	2471	143	145	50.63	144
OSP-9/37(P4)50(6X6)	37	V-6	18.5	2532	143	145	51.87	144
OSP-9/38(P4)50(6X6)	38	V-6	18.5	2593	143	145	53.11	144
OSP-9/39(P4)50(6X6)	39	V-6	18.5	2654	143	145	54.35	144
OSP-9/40(P4)50(6X6)	40	V-6	18.5	2715	143	145	55.59	144
OSP-9/41(P4)50(6X6)	41	V-6	18.5	2776	143	145	56.83	144
OSP-9/42(P4)50(6X6)	42	V-6	18.5	2837	143	145	58.07	144
OSP-9/43(P4)50(6X6)	43	V-6	18.5	2898	143	145	59.32	144
OSP-9/44(P4)50(6X6)	44	V-6	18.5	2959	143	145	60.56	144

FIGURE

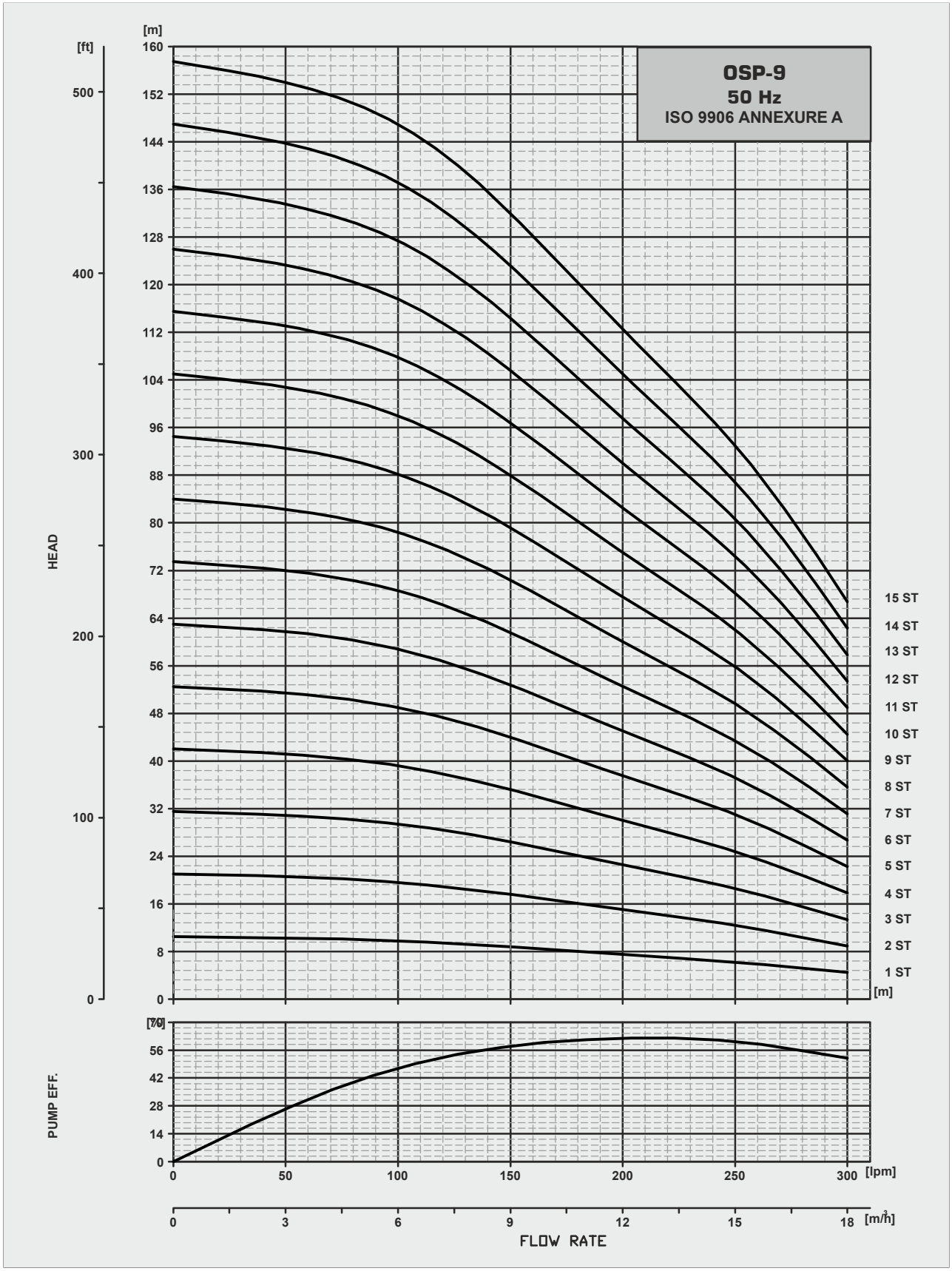


FROM : 8 STAGE TO 13 STAGE ALSO AVAILABLE WITH 4" MOTOR JOINING (4X6)

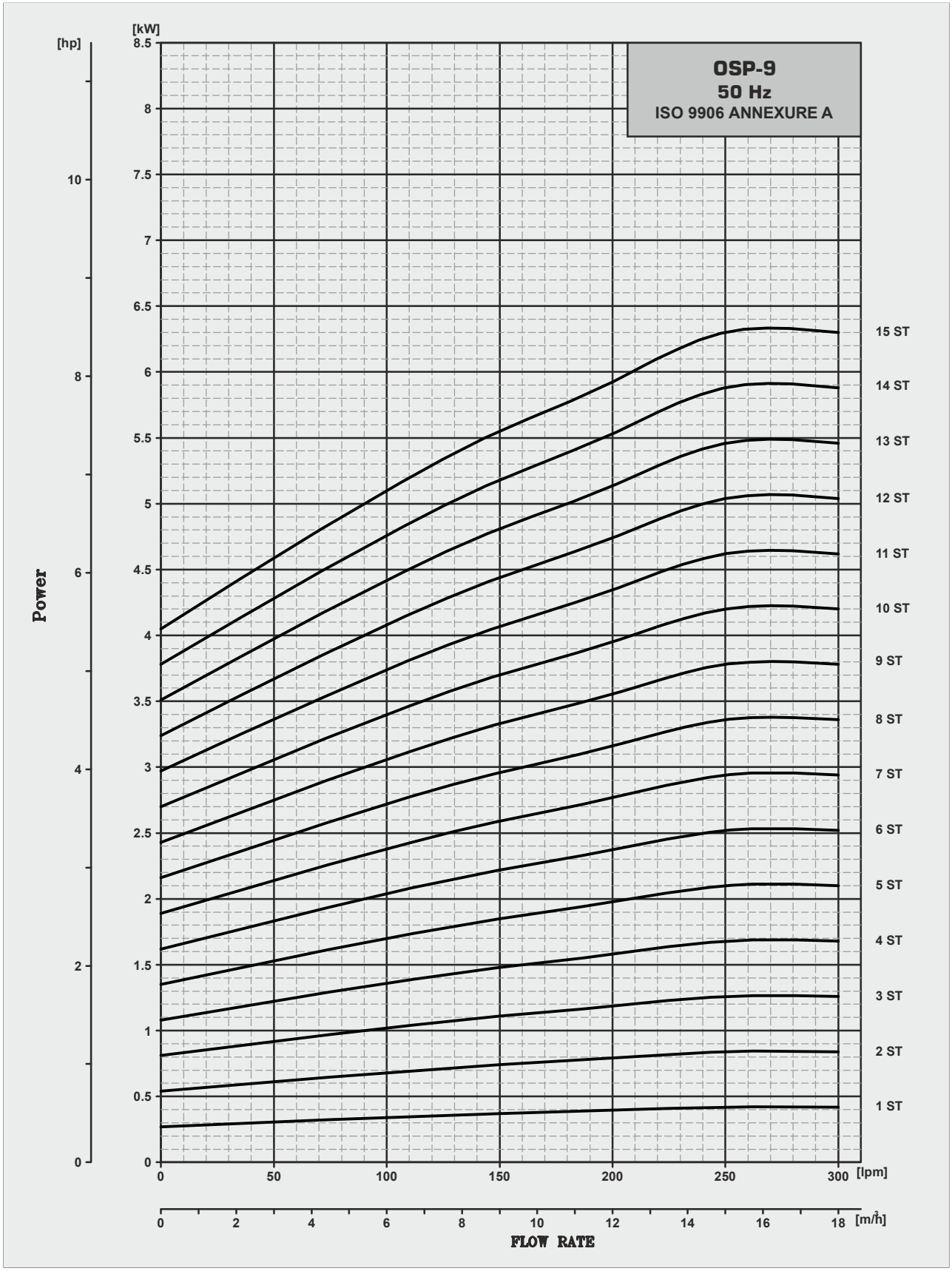
* MAX.DIA OF PUMP WITH ONE MOTOR CABLE

** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

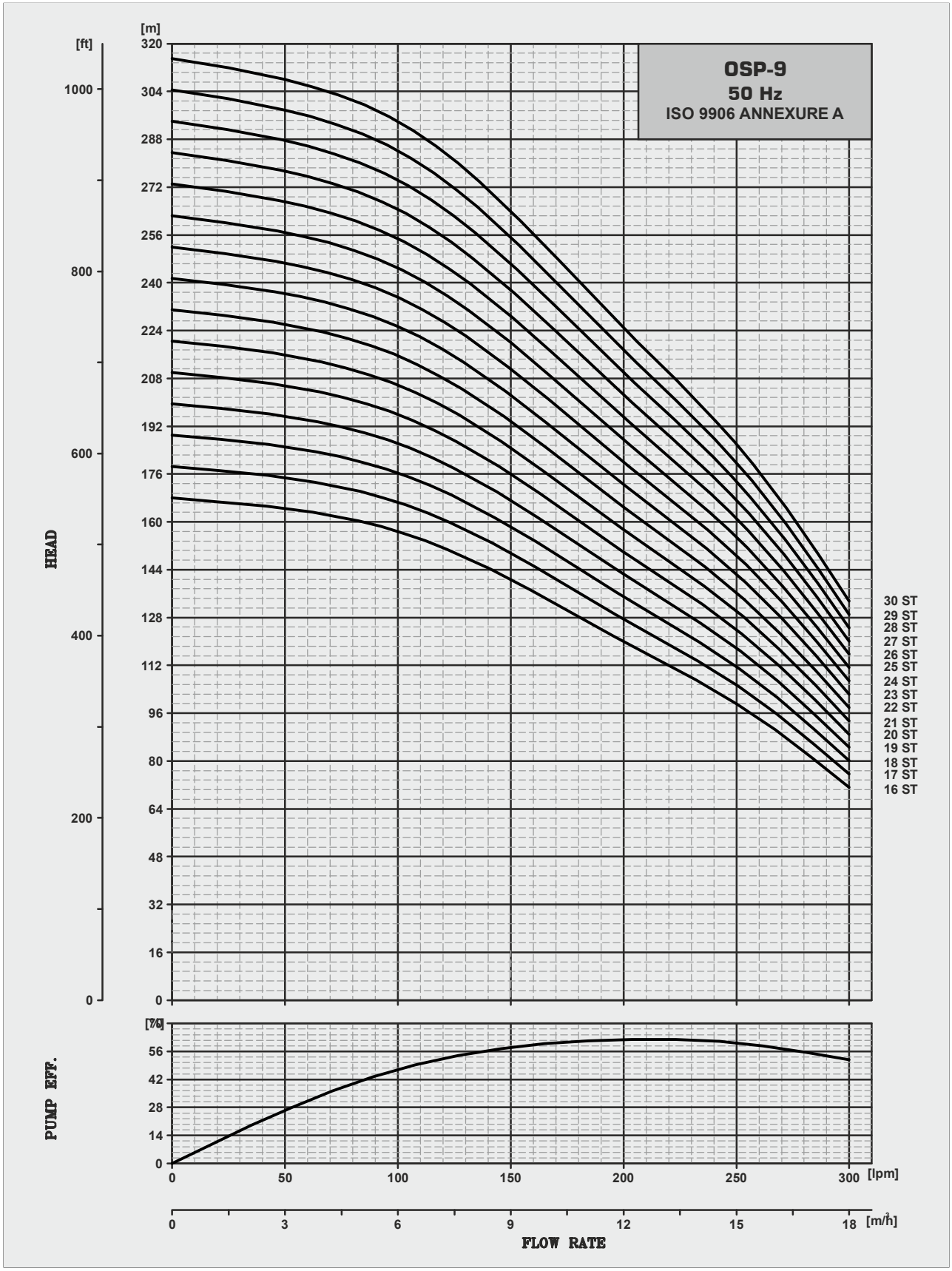
Performance Curve



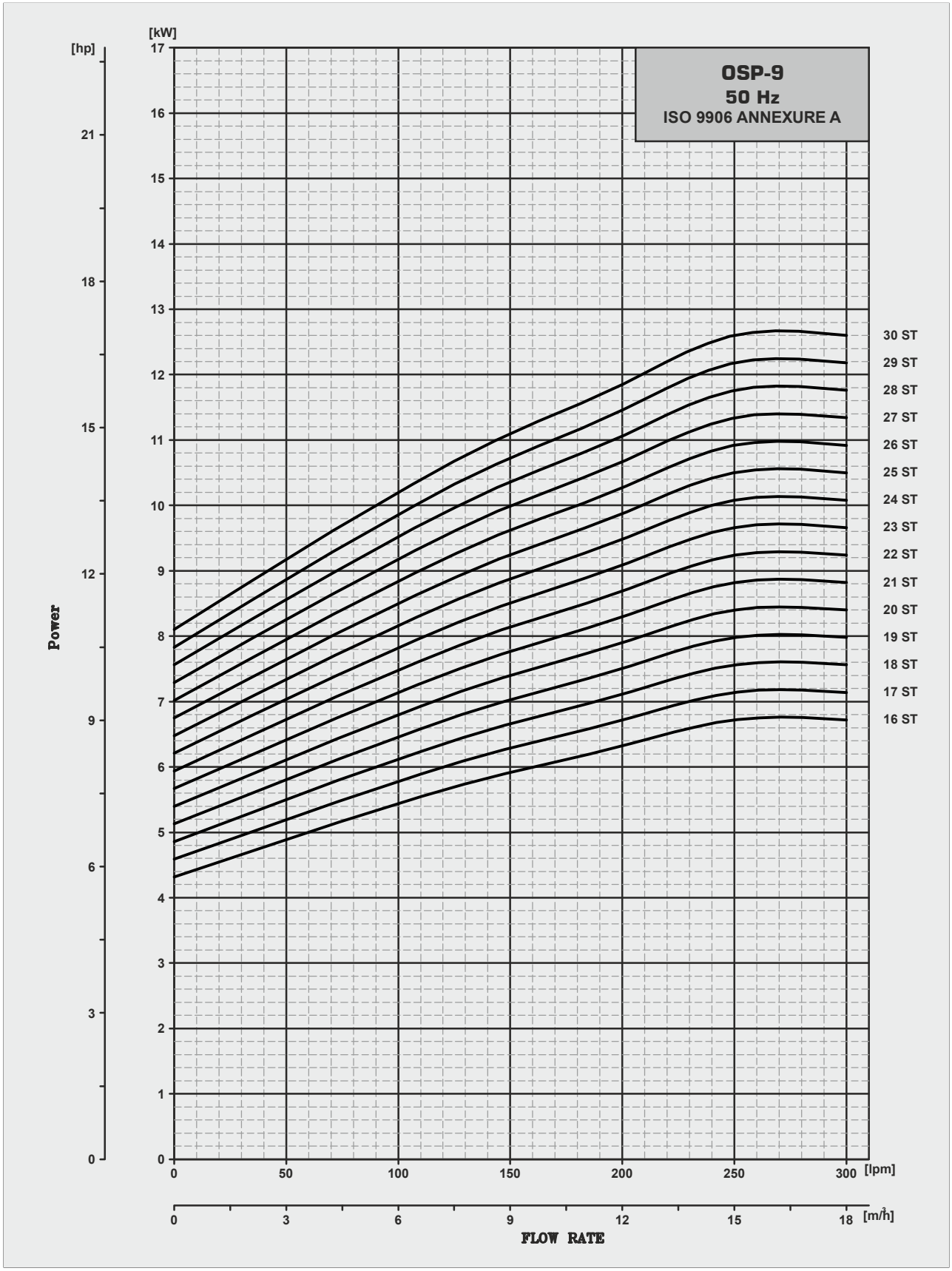
Power Curve


OSP-9
50 Hz
ISO 9906 ANNEXURE A
[kW]
[hp]
Power
8.5
8
7.5
7
6.5
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
10
8
6
4
2
0
15 ST
14 ST
13 ST
12 ST
11 ST
10 ST
9 ST
8 ST
7 ST
6 ST
5 ST
4 ST
3 ST
2 ST
1 ST
0
50
100
150
200
250
300
[lpm]
0
2
4
6
8
10
12
14
16
18
[m³/h]
FLOW RATE

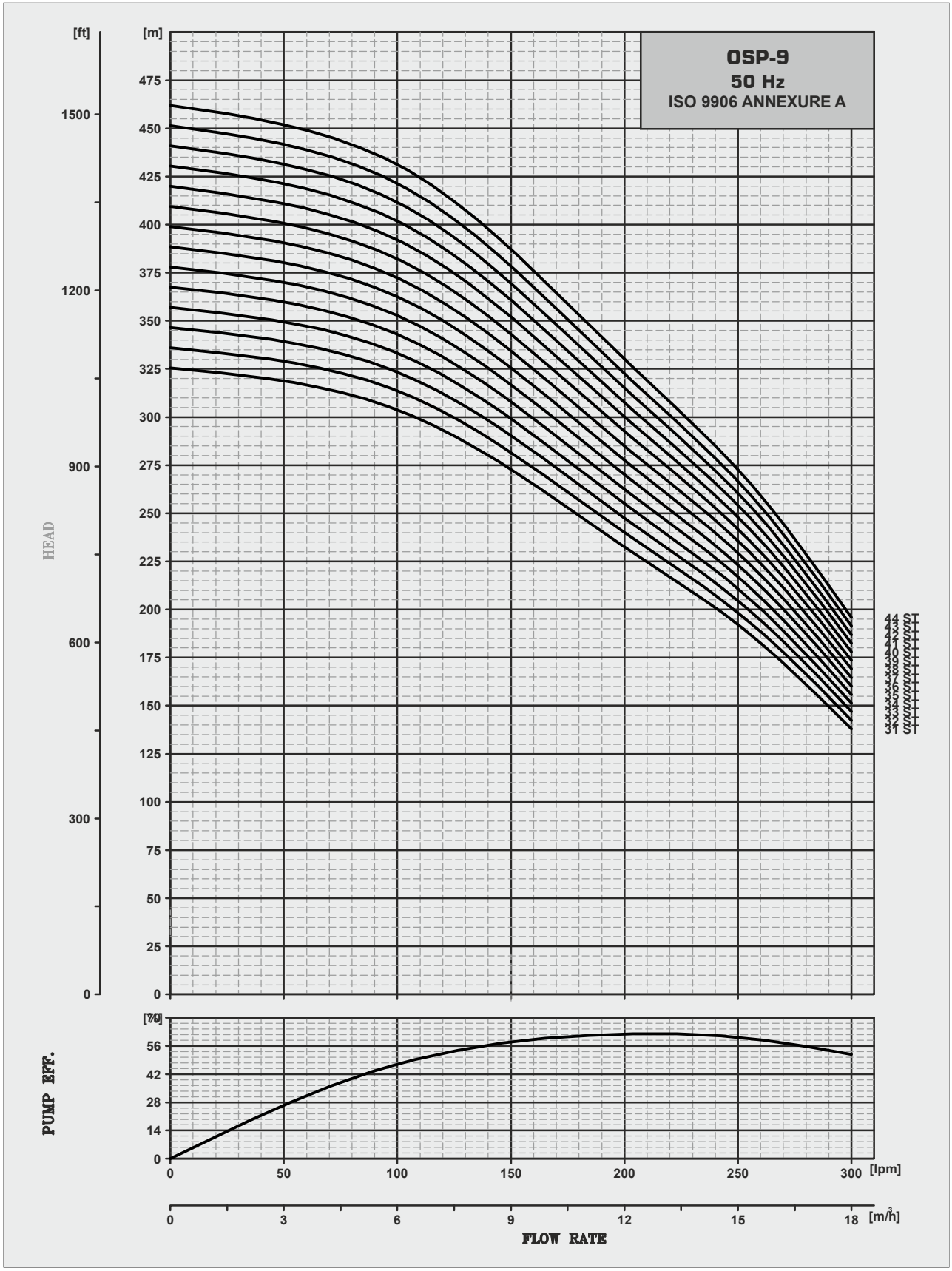
Performance Curve



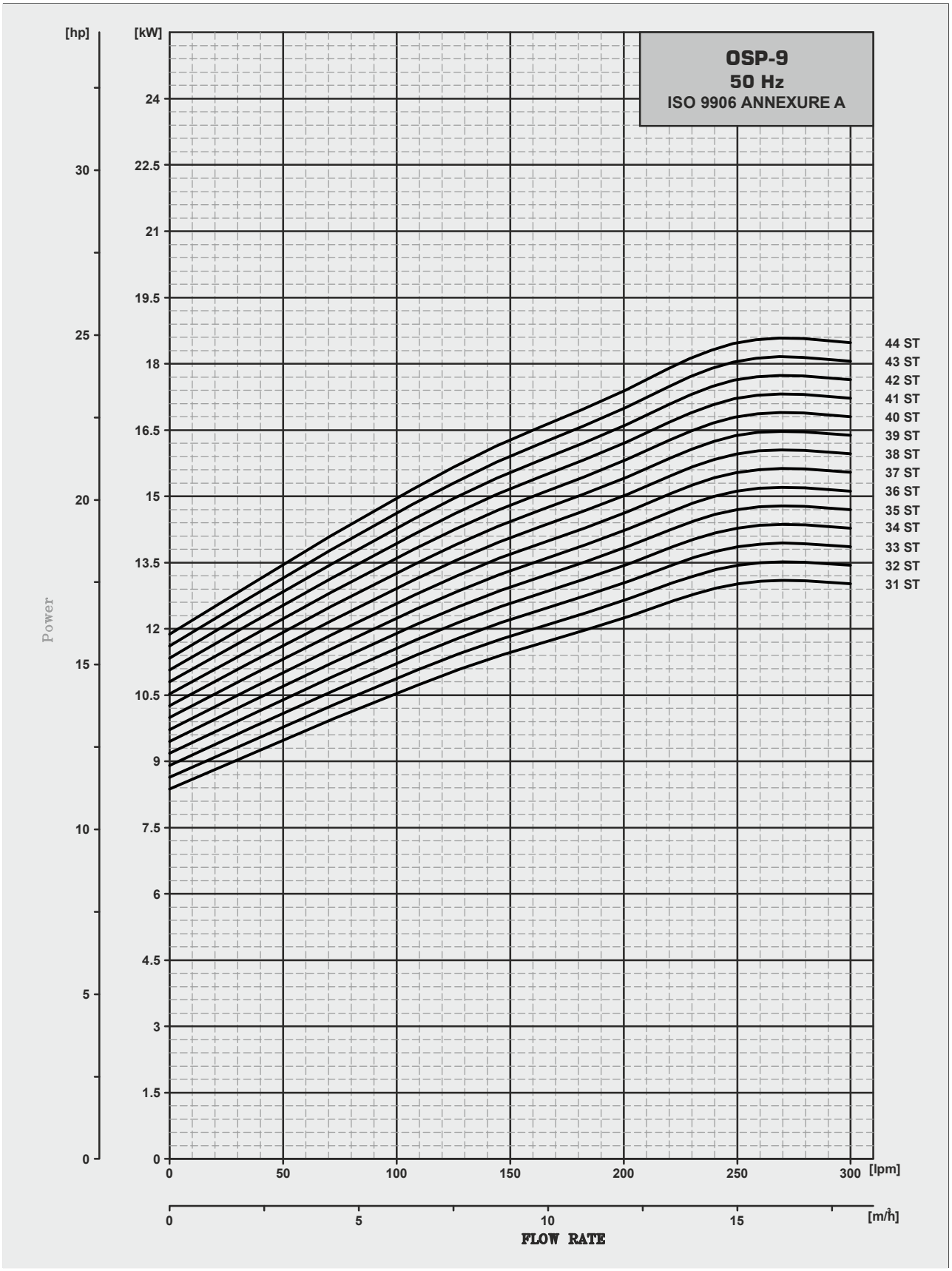
Power Curves



Performance Curves



Power Curves



Performance Table

Submersible Pump OSP-12

MODEL OSP-12	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H	0	6	9	**12**	15	18
						(LPM)	0	100	150	**200**	250	300
OSP-12/1(P4)50(4x6)	0.55	0.75	1	V-4	2" BSP	(HEAD (METERS)	10.5	10	9.5	**8.5**	7.5	5.7
OSP-12/2(P4)50(4x6)	1.1	1.5	2	V-4	2" BSP		21	20	19	**17**	15	11
OSP-12/3(P4)50(4x6)	1.5	2	3	V-4	2" BSP		32	30	29	**26**	23	17
OSP-12/4(P4)50(4X6)	2.2	3	4	V-4	2" BSP		42	40	38	**34**	30	23
OSP-12/5(P4)50(4X6)	3	4	5	V-4	2" BSP		53	50	48	**43**	38	29
OSP-12/6(P4)50(4X6)	3	4	6	V-4	2" BSP		63	60	57	**51**	45	34
OSP-12/7(P4)50(6X6)	4.0	5.5	7	V-6	2" BSP		74	70	67	**60**	53	40
OSP-12/8(P4)50(6X6)	4.0	5.5	8	V-6	2" BSP		84	80	76	**68**	60	46
OSP-12/9(P4)50(6X6)	4.0	5.5	9	V-6	2" BSP		95	90	86	**77**	68	51
OSP-12/10(P4)50(6X6)	4.0	5.5	10	V-6	2" BSP		105	100	95	**85**	75	57
OSP-12/11(P4)50(6X6)	5.5	7.5	11	V-6	2" BSP		116	110	105	**94**	83	63
OSP-12/12(P4)50(6X6)	5.5	7.5	12	V-6	2" BSP		126	120	114	**102**	90	68
OSP-12/13(P4)50(6X6)	7.5	10	13	V-6	2" BSP		137	130	124	**111**	98	74
OSP-12/14(P4)50(6X6)	7.5	10	14	V-6	2" BSP		147	140	133	**119**	105	80
OSP-12/15(P4)50(6X6)	7.5	10	15	V-6	2" BSP		158	150	143	**128**	113	86
OSP-12/16(P4)50(6X6)	7.5	10	16	V-6	2" BSP		168	160	152	**136**	120	91
OSP-12/17(P4)50(6X6)	9.3	12.5	17	V-6	2" BSP		179	170	162	**145**	128	97
OSP-12/18(P4)50(6X6)	9.3	12.5	18	V-6	2" BSP		189	180	171	**153**	135	103
OSP-12/19.(P4)50(6X6)	9.3	12.5	19	V-6	2" BSP		200	190	181	**162**	143	108
OSP-12/20(P4)50(6X6)	9.3	12.5	20	V-6	2" BSP		210	200	190	**170**	150	114
OSP-12/21(P4)50(6X6)	11	15	21	V-6	2" BSP		221	210	200	**179**	158	120
OSP-12/22(P4)50(6X6)	11	15	22	V-6	2" BSP		231	220	209	**187**	165	125
OSP-12/23(P4)50(6X6)	11	15	23	V-6	2" BSP		242	230	219	**196**	173	131
OSP-12/24(P4)50(6X6)	11	15	24	V-6	2" BSP		252	240	228	**204**	180	137
OSP-12/25(P4)50(6X6)	13	17.5	25	V-6	2" BSP		263	250	238	**213**	188	143
OSP-12/26(P4)50(6X6)	13	17.5	26	V-6	2" BSP		273	260	247	**221**	195	148
OSP-12/27(P4)50(6X6)	13	17.5	27	V-6	2" BSP		284	270	257	**230**	203	154
OSP-12/28(P4)50(6X6)	13	17.5	28	V-6	2" BSP		294	280	266	**238**	210	160
OSP-12/30(P4)50(6X6)	11	20	30	V-6	2" BSP		315	300	285	**255**	225	171
OSP-12/31(P4)50(6X6)	11	20	31	V-6	2" BSP		326	310	295	**264**	233	177
OSP-12/32(P4)50(6X6)	11	20	32	V-6	2" BSP		336	320	304	**272**	240	182
OSP-12/33(P4)50(6X6)	11	20	33	V-6	2" BSP		347	330	314	**281**	248	188
OSP-12/34(P4)50(6X6)	18.5	25	34	V-6	2" BSP		357	340	323	**289**	255	194
OSP-12/35(P4)50(6X6)	18.5	25	35	V-6	2" BSP		368	350	333	**298**	263	200
OSP-12/36(P4)50(6X6)	18.5	25	36	V-6	2" BSP		378	360	342	**306**	270	205
OSP-12/37(P4)50(6X6)	18.5	25	37	V-6	2" BSP		389	370	352	**315**	278	211
OSP-12/38(P4)50(6X6)	18.5	25	38	V-6	2" BSP		399	380	361	**323**	285	217
OSP-12/39(P4)50(6X6)	18.5	25	39	V-6	2" BSP		410	390	371	**332**	293	222
OSP-12/40(P4)50(6X6)	18.5	25	40	V-6	2" BSP		420	400	380	**340**	300	228
OSP-12/41(P4)50(6X6)	22	30	41	V-6	2" BSP		431	410	390	**349**	308	234
OSP-12/42(P4)50(6X6)	22	30	42	V-6	2" BSP		441	420	399	**357**	315	239
OSP-12/43(P4)50(6X6)	22	30	43	V-6	2" BSP		452	430	409	**366**	323	245
OSP-12/44(P4)50(6X6)	22	30	44	V-6	2" BSP		462	440	418	**374**	330	251

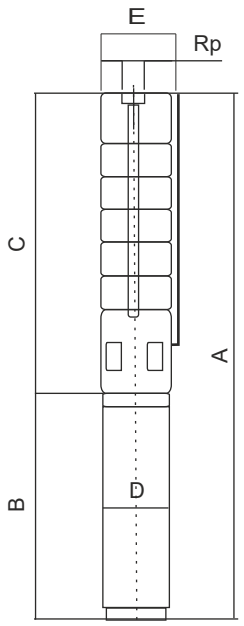
Performance Table

Submersible Pump OSP-12

MODEL OSP-12	K.W.	H.P.	**Stage**	Motor joining	Out let Size	Discharge						
						M^3/H (LPM)	0	6	9	**12**	15	18
							0	100	150	**200**	250	300
OSP-12/45(P4)50(6X6)	22	30	**45**	V-6	2" BSP"		473	450	428	**383**	338	257
OSP-12/72(P4)50(6X6)	37	50	**72**	V-6	2" BSP"		756	720	684	**612**	540	410
OSP-12/80(P4)50(6X6)	37	50	**80**	V-6	2" BSP"		840	800	760	**680**	600	456
OSP-12/85(P4)50(6X6)	45	60	**85**	V-6	2" BSP"		893	850	808	**723**	638	485
OSP-12/90(P4)50(6X6)	45	60	**90**	V-6	2" BSP"		945	900	855	**765**	675	513

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-12/1(P4)50(4x6)	1	V-4	0.55	336	131		5.37	97
OSP-12/2(P4)50(4x6)	2	V-4	1.1	397	131		6.61	97
OSP-12/3(P4)50(4x6)	3	V-4	1.5	458	131		7.85	97
OSP-12/4(P4)50(4X6)	4	V-4	2.2	519	143	145	9.10	97
OSP-12/5(P4)50(4X6)	5	V-4	3	580	143	145	10.34	97
OSP-12/6(P4)50(4X6)	6	V-4	3	641	143	145	11.58	97
OSP-12/7(P4)50(6X6)	7	V-6	4.0	702	143	145	14.64	144
OSP-12/8(P4)50(6X6)	8	V-6	4.0	763	143	145	15.88	144
OSP-12/9(P4)50(6X6)	9	V-6	4.0	824	143	145	17.12	144
OSP-12/10(P4)50(6X6)	10	V-6	4.0	885	143	145	18.36	144
OSP-12/11(P4)50(6X6)	11	V-6	5.5	946	143	145	19.60	144
OSP-12/12(P4)50(6X6)	12	V-6	5.5	1007	143	145	20.84	144
OSP-12/13(P4)50(6X6)	13	V-6	7.5	1068	143	145	22.09	144
OSP-12/14(P4)50(6X6)	14	V-6	7.5	1129	143	145	23.33	144
OSP-12/15(P4)50(6X6)	15	V-6	7.5	1190	143	145	24.57	144
OSP-12/16.(P4)50(6X6)	16	V-6	7.5	1251	143	145	25.81	144
OSP-12/17(P4)50(6X6)	17	V-6	9.3	1312	143	145	27.05	144
OSP-12/18(P4)50(6X6)	18	V-6	9.3	1373	143	145	28.29	144
OSP-12/19(P4)50(6X6)	19	V-6	9.3	1434	143	145	29.53	144
OSP-12/20(P4)50(6X6)	20	V-6	9.3	1495	143	145	30.77	144
OSP-12/21(P4)50(6X6)	21	V-6	11	1556	143	145	32.01	144
OSP-12/22(P4)50(6X6)	22	V-6	11	1617	143	145	33.25	144
OSP-12/23(P4)50(6X6)	23	V-6	11	1678	143	145	34.50	144
OSP-12/24(P4)50(6X6)	24	V-6	11	1739	143	145	35.74	144
OSP-12/25(P4)50(6X6)	25	V-6	13	1800	143	145	36.98	144
OSP-12/26(P4)50(6X6)	26	V-6	13	1861	143	145	38.22	144
OSP-12/27(P4)50(6X6)	27	V-6	13	1922	143	145	39.46	144
OSP-12/28(P4)50(6X6)	28	V-6	13	1983	143	145	40.70	144
OSP-12/30(P4)50(6X6)	30	V-6	11	2105	143	145	43.18	144
OSP-12/31(P4)50(6X6)	31	V-6	11	2166	143	145	44.42	144
OSP-12/32(P4)50(6X6)	32	V-6	11	2227	143	145	45.66	144
OSP-12/33(P4)50(6X6)	33	V-6	11	2288	143	145	46.91	144
OSP-12/34(P4)50(6X6)	34	V-6	18.5	2349	143	145	48.15	144
OSP-12/35(P4)50(6X6)	35	V-6	18.5	2410	143	145	49.39	144
OSP-12/36(P4)50(6X6)	36	V-6	18.5	2471	143	145	50.63	144
OSP-12/37(P4)50(6X6)	37	V-6	18.5	2532	143	145	51.87	144
OSP-12/38(P4)50(6X6)	38	V-6	18.5	2593	143	145	53.11	144
OSP-12/39(P4)50(6X6)	39	V-6	18.5	2654	143	145	54.35	144
OSP-12/40(P4)50(6X6)	40	V-6	18.5	2715	143	145	55.59	144
OSP-12/41(P4)50(6X6)	41	V-6	22	2776	143	145	56.83	144
OSP-12/42(P4)50(6X6)	42	V-6	22	2837	143	145	58.07	144
OSP-12/43(P4)50(6X6)	43	V-6	22	2898	143	145	59.32	144
OSP-12/44(P4)50(6X6)	44	V-6	22	2959	143	145	60.56	144

FIGURE

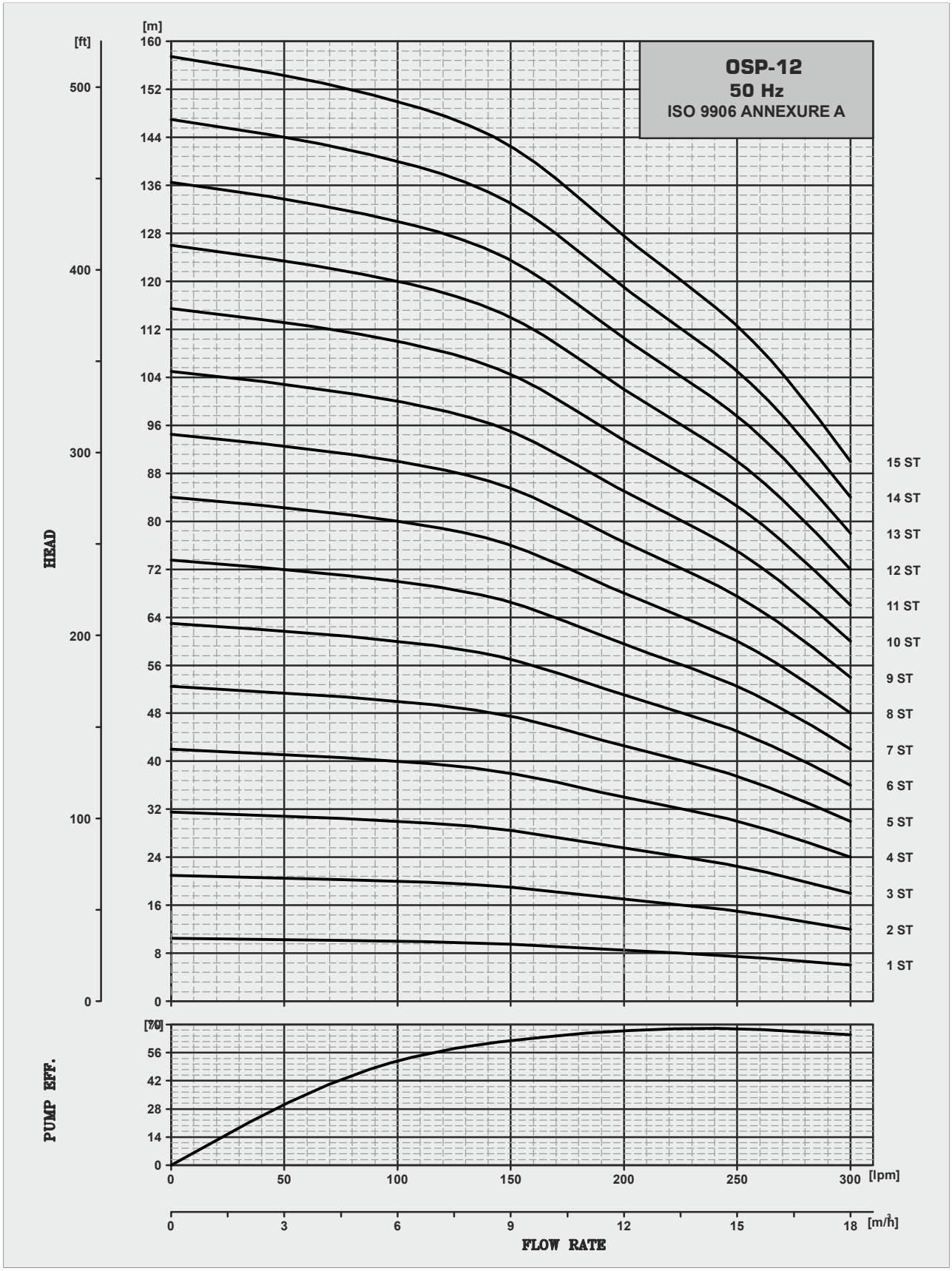


FROM : 7 STAGE TO 12 STAGE ALSO AVAILABLE WITH 4" MOTOR JOINING (4X6)

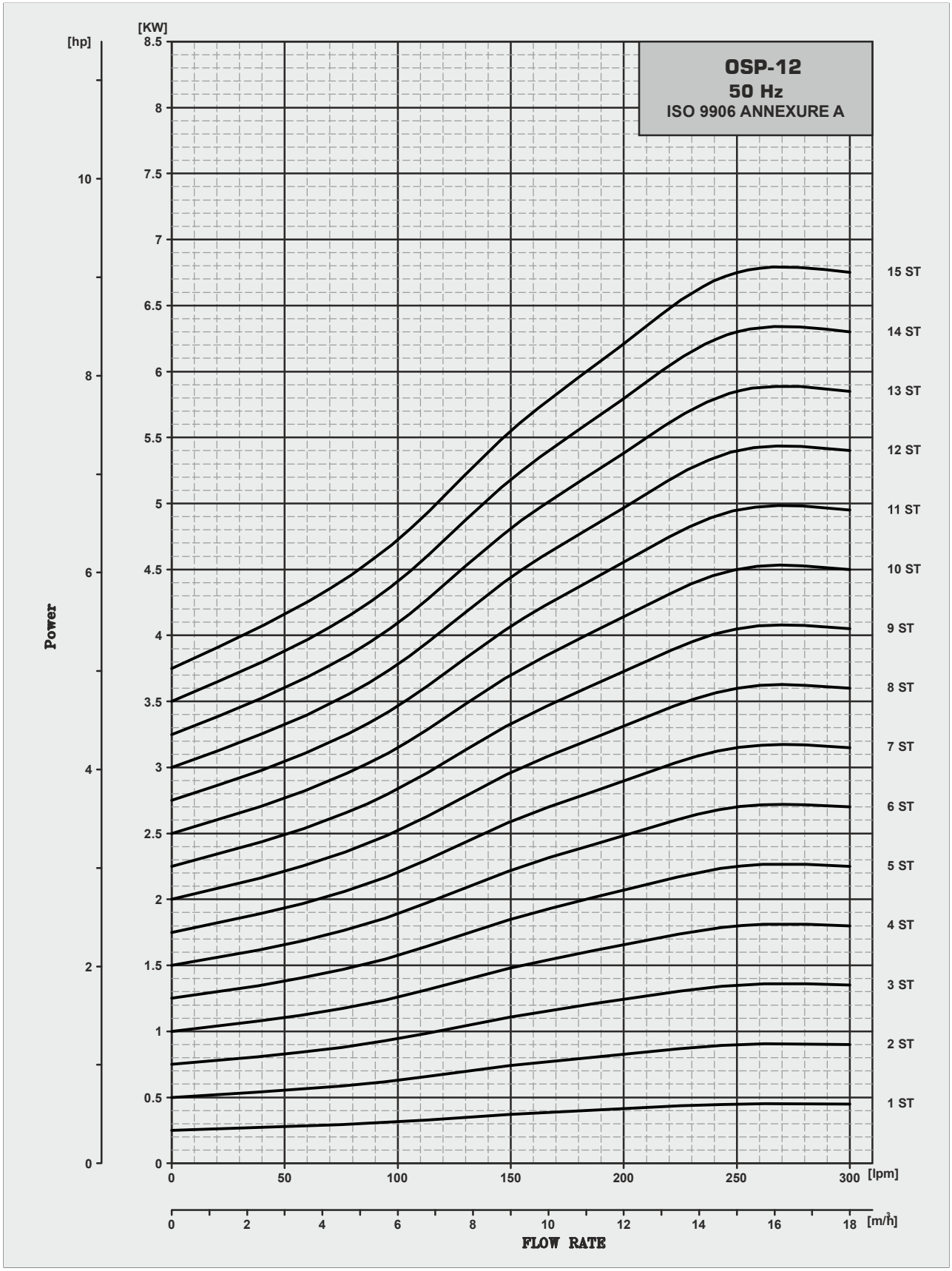
* MAX.DIA OF PUMP WITH ONE MOTOR CABLE

** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

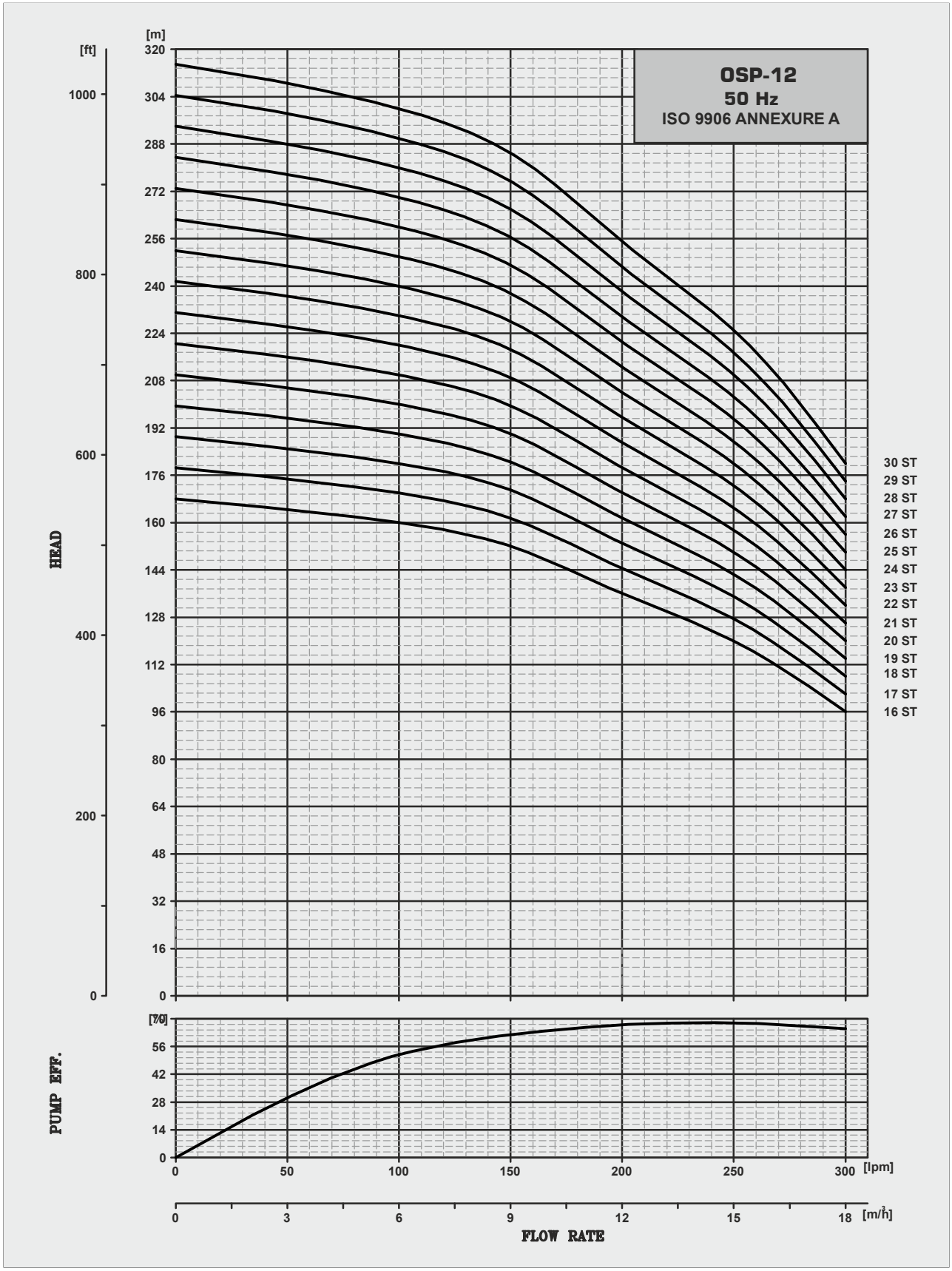
Performance Curves



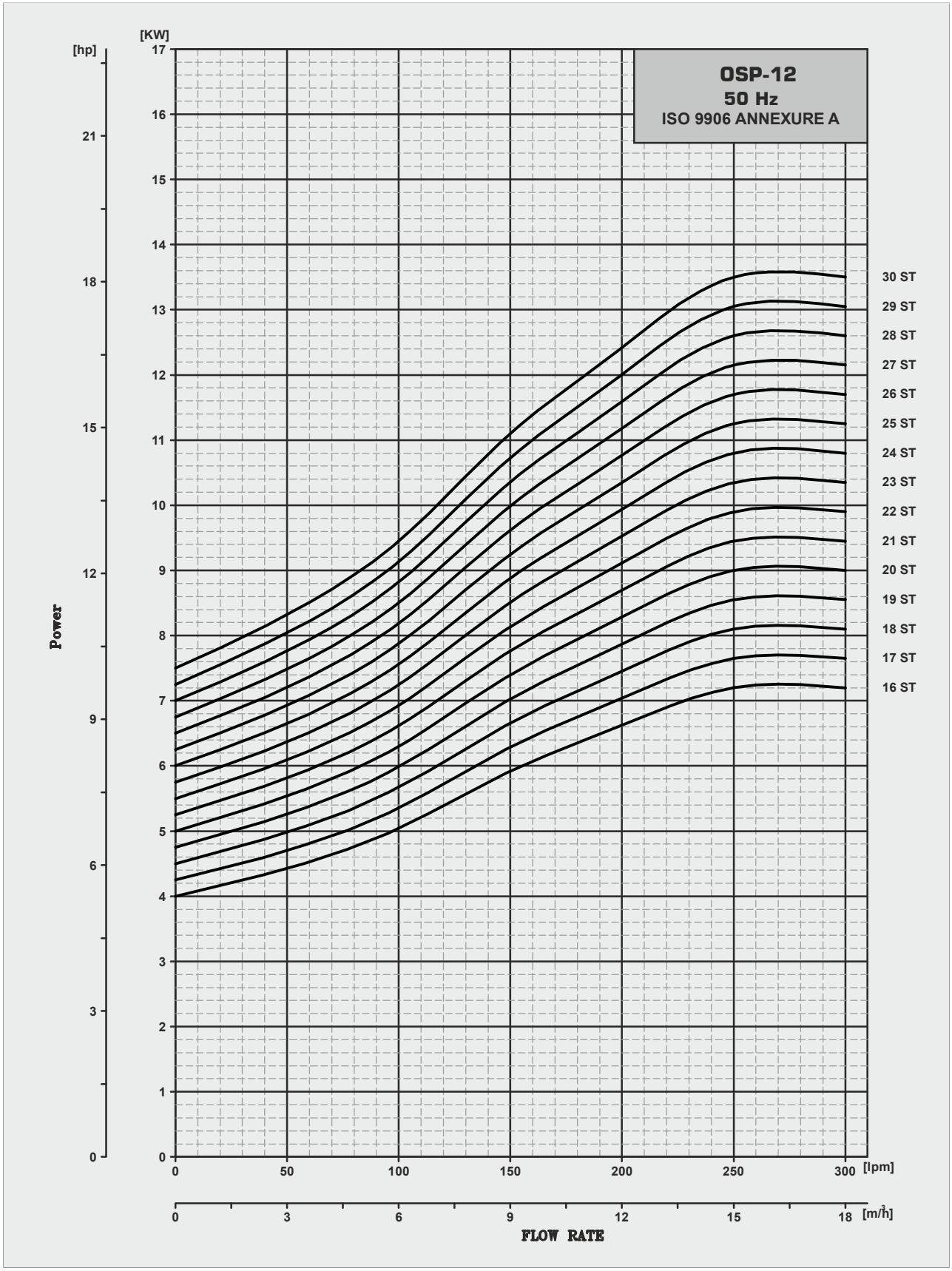
Power Curves



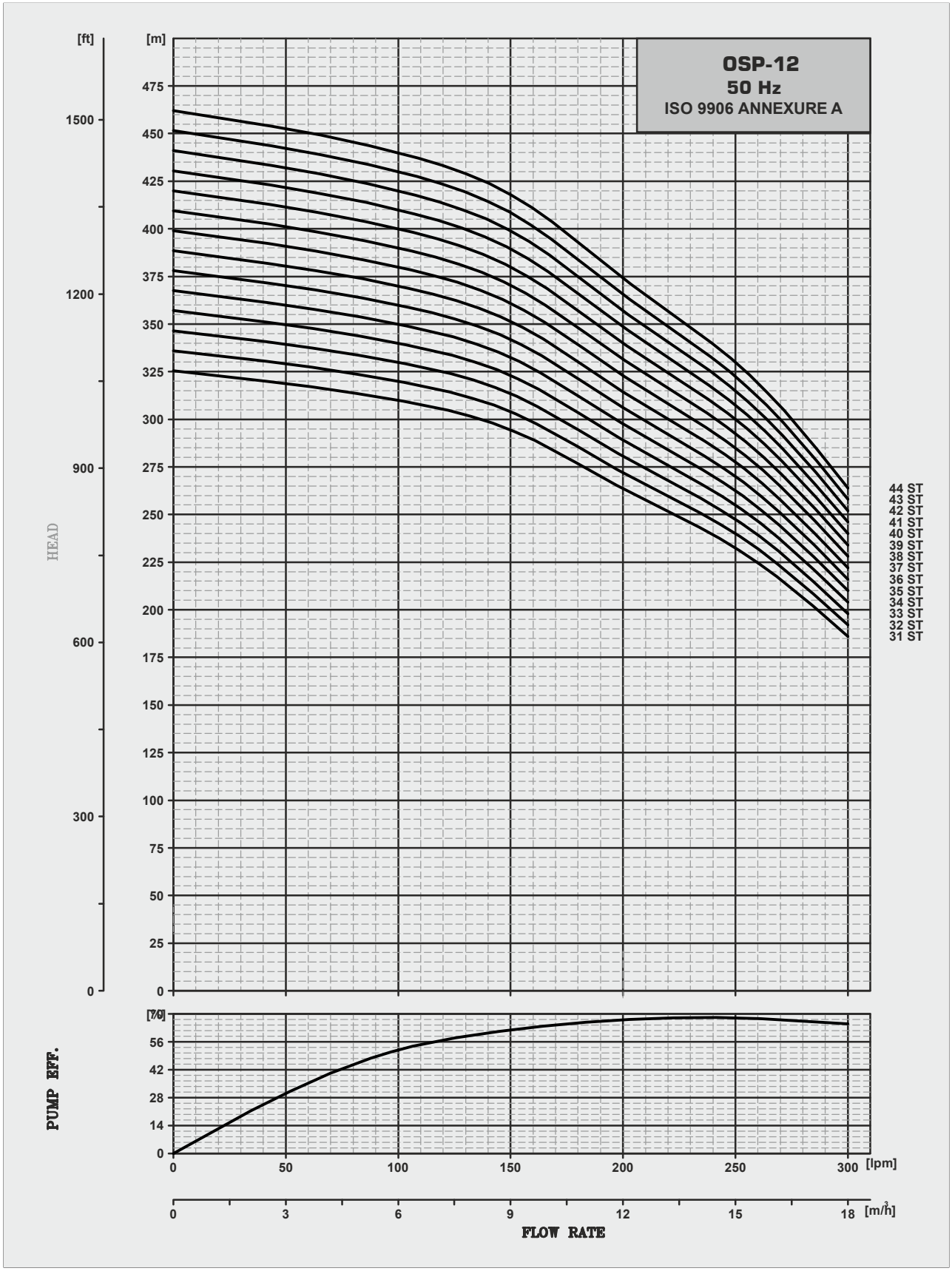
Performance Curves



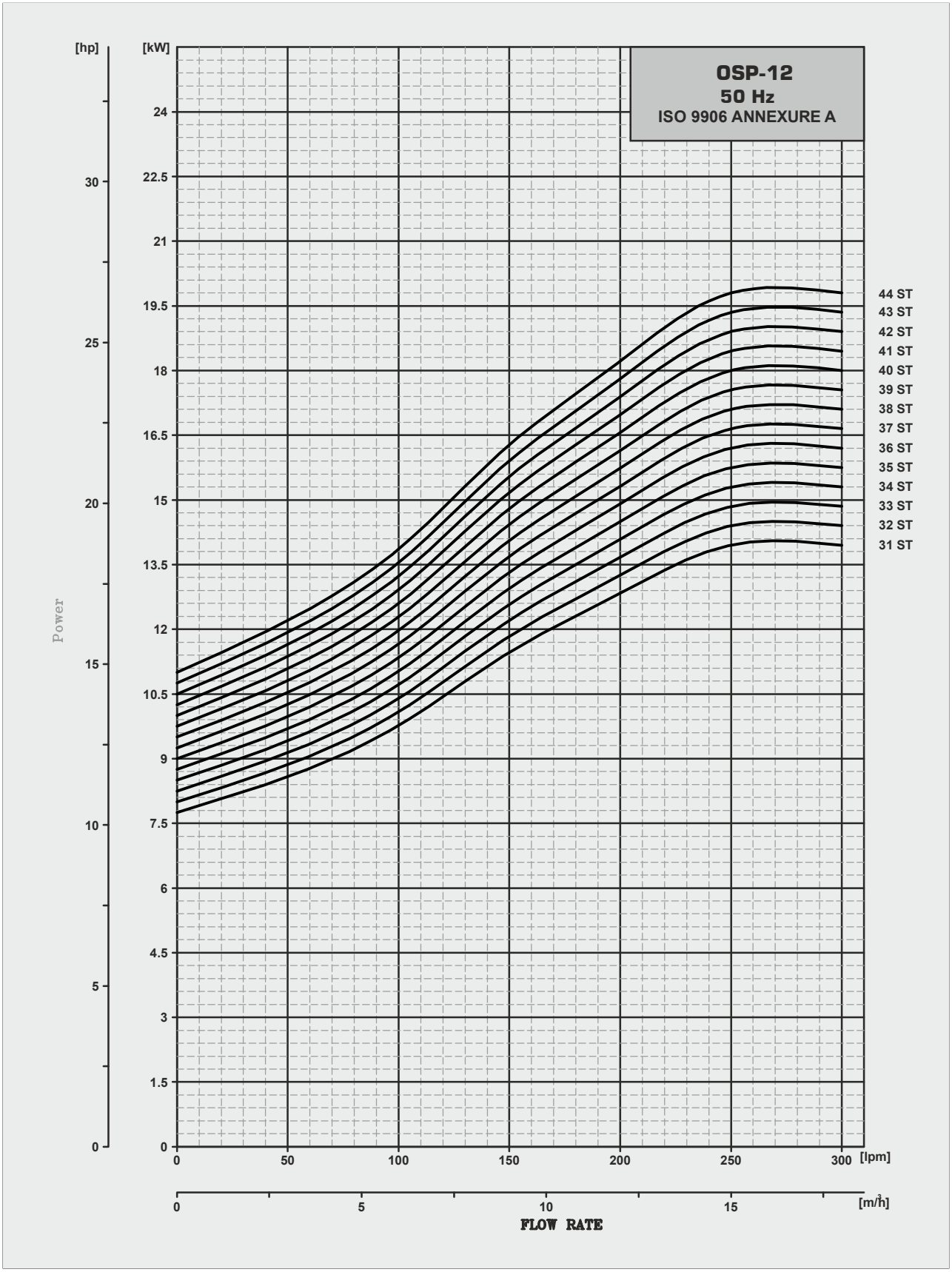
Power Curves



Performance Curves



Power Curves



Performance Table

Submersible Pump OSP-17

MODEL OSP-17	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H	0	6	12	**15**	18	21
						(LPM)	0	100	200	**250**	300	350
OSP-17/1(P4)50(4X6)	0.55	0.75	1	V-4	2½ BSP	(HEAD (METERS)	11.2	11	9.8	**8.8**	7.4	5.7
OSP-17/2(P4)50(4X6)	1.1	1.5	2	V-4	2½ BSP		22	22	20	**18**	15	11
OSP-17/3(P4)50(4X6)	2.2	3	3	V-4	2½ BSP		34	33	29	**26**	22	17
OSP-17/4(P4)50(4X6)	2.2	3	4	V-4	2½ BSP		45	44	39	**35**	30	23
OSP-17/5(P4)50(4X6)	3	4	5	V-4	2½ BSP		56	55	49	**44**	37	29
OSP-17/6(P4)50(6X6)	3.7	5	6	V-6	2½ BSP		67	66	59	**53**	44	34
OSP-17/7(P4)50(6X6)	4.0	5.5	7	V-6	2½ BSP		78	77	69	**62**	52	40
OSP-17/8.(P4)50(6X6)	5.5	7.5	8	V-6	2½ BSP		90	88	78	**70**	59	46
OSP-17/9(P4)50(6X6)	5.5	7.5	9	V-6	2½ BSP		101	99	88	**79**	67	51
OSP-17/10(P4)50(6X6)	5.5	7.5	10	V-6	2½ BSP		112	110	98	**88**	74	57
OSP-17/11(P4)50(6X6)	7.5	10	11	V-6	2½ BSP		123	121	108	**97**	81	63
OSP-17/12(P4)50(6X6)	7.5	10	12	V-6	2½ BSP		134	132	118	**106**	89	68
OSP-17/13(P4)50(6X6)	7.5	10	13	V-6	2½ BSP		146	143	127	**114**	96	74
OSP-17/14(P4)50(6X6)	9.3	12.5	14	V-6	2½ BSP		157	154	137	**123**	104	80
OSP-17/15(P4)50(6X6)	9.3	12.5	15	V-6	2½ BSP		168	165	147	**132**	111	86
OSP-17/16(P4)50(6X6)	9.3	12.5	16	V-6	2½ BSP		179	176	157	**141**	118	91
OSP-17/17(P4)50(6X6)	9.3	12.5	17	V-6	2½ BSP		190	187	167	**150**	126	97
OSP-17/18(P4)50(6X6)	11	15	18	V-6	2½ BSP		202	198	176	**158**	133	103
OSP-17/19(P4)50(6X6)	11	15	19	V-6	2½ BSP		213	209	186	**167**	141	108
OSP-17/20(P4)50(6X6)	11	15	20	V-6	2½ BSP		224	220	196	**176**	148	114
OSP-17/21(P4)50(6X6)	13	17.5	21	V-6	2½ BSP		235	231	206	**185**	155	120
OSP-17/22(P4)50(6X6)	13	17.5	22	V-6	2½ BSP		246	242	216	**194**	163	125
OSP-17/23(P4)50(6X6)	13	17.5	23	V-6	2½ BSP		258	253	225	**202**	170	131
OSP-17/24(P4)50(6X6)	13	17.5	24	V-6	2½ BSP		269	264	235	**211**	178	137
OSP-17/25(P4)50(6X6)	15	20	25	V-6	2½ BSP		280	275	245	**220**	185	143
OSP-17/26(P4)50(6X6)	15	20	26	V-6	2½ BSP		291	286	255	**229**	192	148
OSP-17/27(P4)50(6X6)	15	20	27	V-6	2½ BSP		302	297	265	**238**	200	154
OSP-17/28(P4)50(6X6)	18.5	25	28	V-6	2½ BSP		314	308	274	**246**	207	160
OSP-17/29(P4)50(6X6)	18.5	25	29	V-6	2½ BSP		325	319	284	**255**	215	165
OSP-17/30(P4)50(6X6)	18.5	25	30	V-6	2½ BSP		336	330	294	**264**	222	171
OSP-17/31(P4)50(6X6)	18.5	25	31	V-6	2½ BSP		347	341	304	**273**	229	177
OSP-17/32(P4)50(6X6)	18.5	25	32	V-6	2½ BSP		358	352	314	**282**	237	182
OSP-17/33(P4)50(6X6)	18.5	25	33	V-6	2½ BSP		370	363	323	**290**	244	188
OSP-17/34(P4)50(6X6)	22	30	34	V-6	2½ BSP		381	374	333	**299**	252	194
OSP-17/35(P4)50(6X6)	22	30	35	V-6	2½ BSP		392	385	343	**308**	259	200
OSP-17/36(P4)50(6X6)	22	30	36	V-6	2½ BSP		403	396	353	**317**	266	205
OSP-17/37(P4)50(6X6)	22	30	37	V-6	2½ BSP		414	407	363	**326**	274	211
OSP-17/38(P4)50(6X6)	22	30	38	V-6	2½ BSP		426	418	372	**334**	281	217
OSP-17/39(P4)50(6X6)	22	30	39	V-6	2½ BSP		437	429	382	**343**	289	222
OSP-17/40(P4)50(6X6)	22	30	40	V-6	2½ BSP		448	440	392	**352**	296	228
OSP-17/43(P4)50(6X6)	26	35	43	V-6	2½ BSP		482	473	421	**378**	318	245
OSP-17/45(P4)50(6X6)	26	35	45	V-6	2½ BSP		504	495	441	**396**	333	257
OSP-17/48(P4)50(6X6)	30	40	48	V-6	2½ BSP		538	528	470	**422**	355	274
OSP-17/51(P4)50(6X6)	30	40	51	V-6	2½ BSP		571	561	500	**449**	377	291
OSP-17/53(P4)50(6X6)	30	40	53	V-6	2½ BSP		594	583	519	**466**	392	302
OSP-17/55(P4)50(6X6)	30	40	55	V-6	2½ BSP		616	605	539	**484**	407	314
OSP-17/58(P4)50(6X6)	37	50	58	V-6	2½ BSP		650	638	568	**510**	429	331
OSP-17/60(P4)50(6X6)	37	50	60	V-6	2½ BSP		672	660	588	**528**	444	342

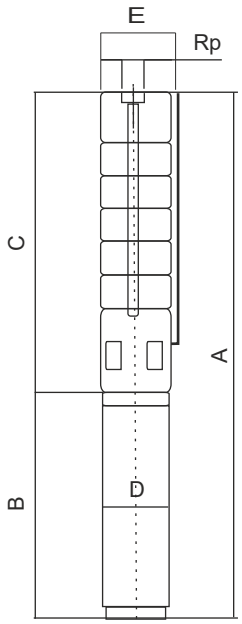
Performance Table

Submersible Pump OSP-17

MODEL OSP-17	K.W.	H.P.	**Stage**	Motor joining	Out let Size	Discharge						
						M^3/H	0	6	12	15	18	21
						(LPM)	0	100	200	**250**	300	350
OSP-17/65(P4)50(6X6)	45	60	**65**	V-6	2½ BSP"	(HEAD (METERS)	728	715	637	**572**	481	371
OSP-17/70(P4)50(6X6)	45	60	**70**	V-6	2½ BSP"		784	770	686	**616**	518	399
OSP-17/72(P4)50(6X6)	45	60	**72**	V-6	2½ BSP"		806	792	705.6	**634**	532.8	410
OSP-17/75(P4)50(6X6)	45	60	**75**	V-6	2½ BSP"		840	825	735	**660**	555	428
OSP-17/80(P4)50(6X6)	45	60	**80**	V-8	2½ BSP"		896	880	784	**704**	592	456
OSP-17/85(P4)50(8X6)	55	75	**85**	V-8	2½ BSP"		952	935	833	**748**	629	485
OSP-17/90(P4)50(8X6)	55	75	**90**	V-8	2½ BSP"		1008	990	882	**792**	666	513

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-17/1(P4)50(4X6)	1	V-4	0.55	336	131		5.37	97
OSP-17/2(P4)50(4X6)	2	V-4	1.10	397	131		6.61	97
OSP-17/3(P4)50(4X6)	3	V-4	2.2	458	143	145	7.85	97
OSP-17/4(P4)50(4X6)	4	V-4	2.2	519	143	145	9.10	97
OSP-17/5(P4)50(4X6)	5	V-4	3.0	580	143	145	10.34	97
OSP-17/6(P4)50(6X6)	6	V-6	3.7	610	143	145	13.40	144
OSP-17/7(P4)50(6X6)	7	V-6	4.0	702	143	145	14.64	144
OSP-17/8(P4)50(6X6)	8	V-6	5.5	763	143	145	15.88	144
OSP-17/9(P4)50(6X6)	9	V-6	5.5	824	143	145	17.12	144
OSP-17/10(P4)50(6X6)	10	V-6	5.5	885	143	145	18.36	144
OSP-17/11(P4)50(6X6)	11	V-6	7.5	946	143	145	19.60	144
OSP-17/12(P4)50(6X6)	12	V-6	7.5	1007	143	145	20.84	144
OSP-17/13(P4)50(6X6)	13	V-6	7.5	1068	143	145	22.09	144
OSP-17/14(P4)50(6X6)	14	V-6	9.3	1129	143	145	23.33	144
OSP-17/15(P4)50(6X6)	15	V-6	9.3	1190	143	145	24.57	144
OSP-17/16(P4)50(6X6)	16	V-6	9.3	1251	143	145	25.81	144
OSP-17/17(P4)50(6X6)	17	V-6	9.3	1312	143	145	27.05	144
OSP-17/18(P4)50(6X6)	18	V-6	11.0	1373	143	145	28.29	144
OSP-17/19(P4)50(6X6)	19	V-6	11.0	1434	143	145	29.53	144
OSP-17/20(P4)50(6X6)	20	V-6	11.0	1495	143	145	30.77	144
OSP-17/21(P4)50(6X6)	21	V-6	13.0	1556	143	145	32.01	144
OSP-17/22(P4)50(6X6)	22	V-6	13.0	1617	143	145	33.25	144
OSP-17/23(P4)50(6X6)	23	V-6	13.0	1678	143	145	34.50	144
OSP-17/24(P4)50(6X6)	24	V-6	13.0	1739	143	145	35.74	144
OSP-17/25(P4)50(6X6)	25	V-6	15.0	1800	143	145	36.98	144
OSP-17/26(P4)50(6X6)	26	V-6	15.0	1861	143	145	38.22	144
OSP-17/27(P4)50(6X6)	27	V-6	15.0	1922	143	145	39.46	144
OSP-17/28(P4)50(6X6)	28	V-6	18.5	1983	143	145	40.70	144
OSP-17/29(P4)50(6X6)	29	V-6	18.5	2044	143	145	41.94	144
OSP-17/30(P4)50(6X6)	30	V-6	18.5	2105	143	145	43.18	144
OSP-17/31(P4)50(6X6)	31	V-6	18.5	2166	143	145	44.42	144
OSP-17/32(P4)50(6X6)	32	V-6	18.5	2227	143	145	45.66	144
OSP-17/33(P4)50(6X6)	33	V-6	18.5	2288	143	145	46.91	144
OSP-17/34(P4)50(6X6)	34	V-6	22.0	2349	143	145	48.15	144
OSP-17/35(P4)50(6X6)	35	V-6	22.0	2410	143	145	49.39	144
OSP-17/36(P4)50(6X6)	36	V-6	22.0	2471	143	145	50.63	144
OSP-17/37(P4)50(6X6)	37	V-6	22.0	2532	143	145	51.87	144
OSP-17/38(P4)50(6X6)	38	V-6	22.0	2593	143	145	53.11	144
OSP-17/39(P4)50(6X6)	39	V-6	22.0	2654	143	145	54.35	144
OSP-17/40(P4)50(6X6)	40	V-6	22.0	2715	143	145	55.59	144
OSP-17/43(P4)50(6X6)	43	V-6	26.0	2898	143	145	59.32	144
OSP-17/45(P4)50(6X6)	45	V-6	26.0	3020	143	145	61.80	144
OSP-17/48(P4)50(6X6)	48	V-6	30.0	3203	143	145	65.52	144
OSP-17/51(P4)50(6X6)	51	V-6	30.0	3386	143	145	69.24	144
OSP-17/53(P4)50(6X6)	53	V-6	30.0	3508	143	145	71.73	144
OSP-17/55(P4)50(6X6)	55	V-6	30.0	3630	143	145	74.21	144
OSP-17/58(P4)50(6X6)	58	V-6	37.0	3813	143	145	77.93	144
OSP-17/60(P4)50(6X6)	60	V-6	37.0	3935	143	145	80.41	144

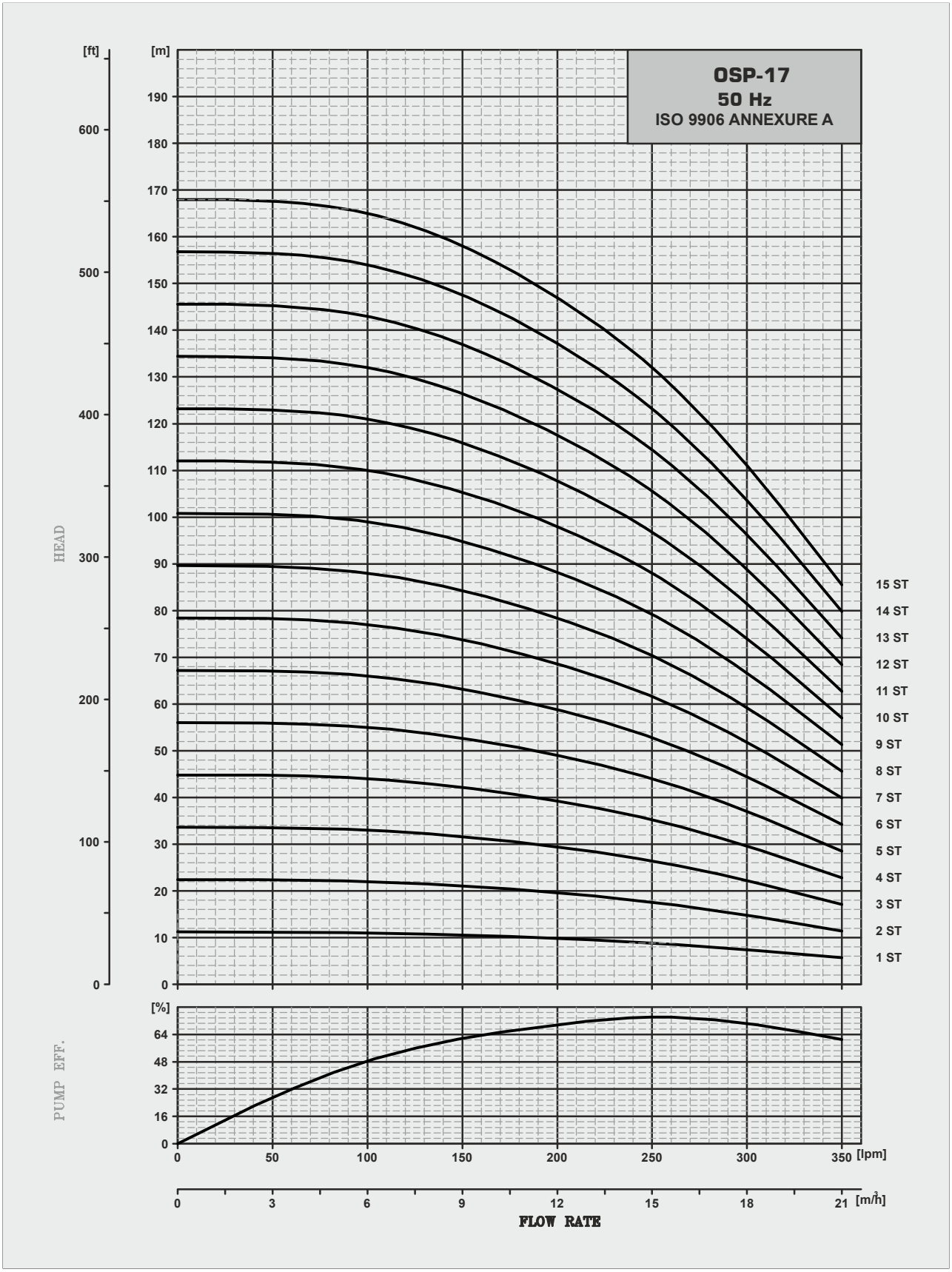
FIGURE



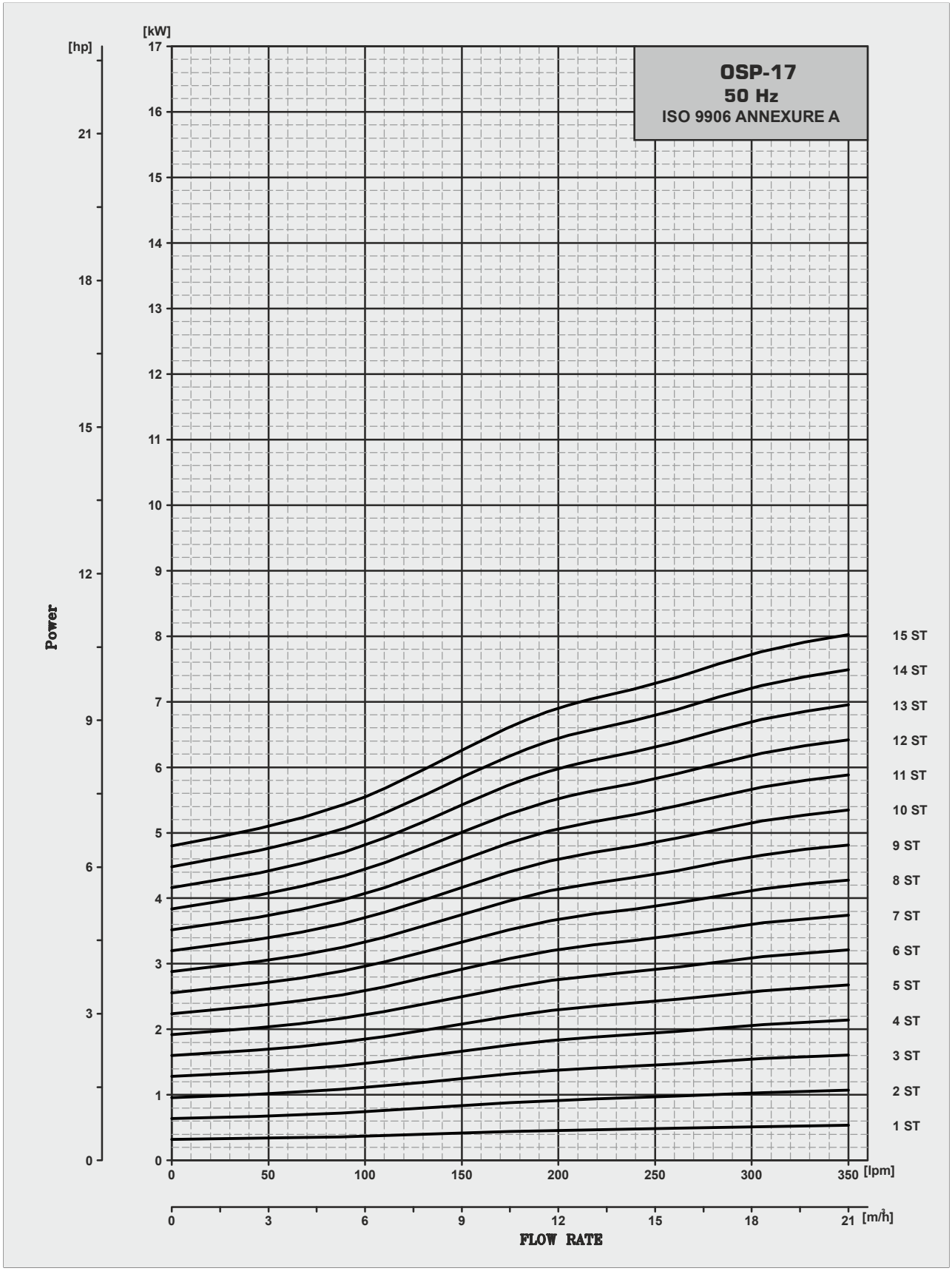
FROM : 6 STAGE TO 10 STAGE ALSO AVAILABLE WITH 4" MOTOR JOINING (4X6)

NOTE- (S) =MEANS PUMP WITH SLEEVE (EXTERNAL JACKET)

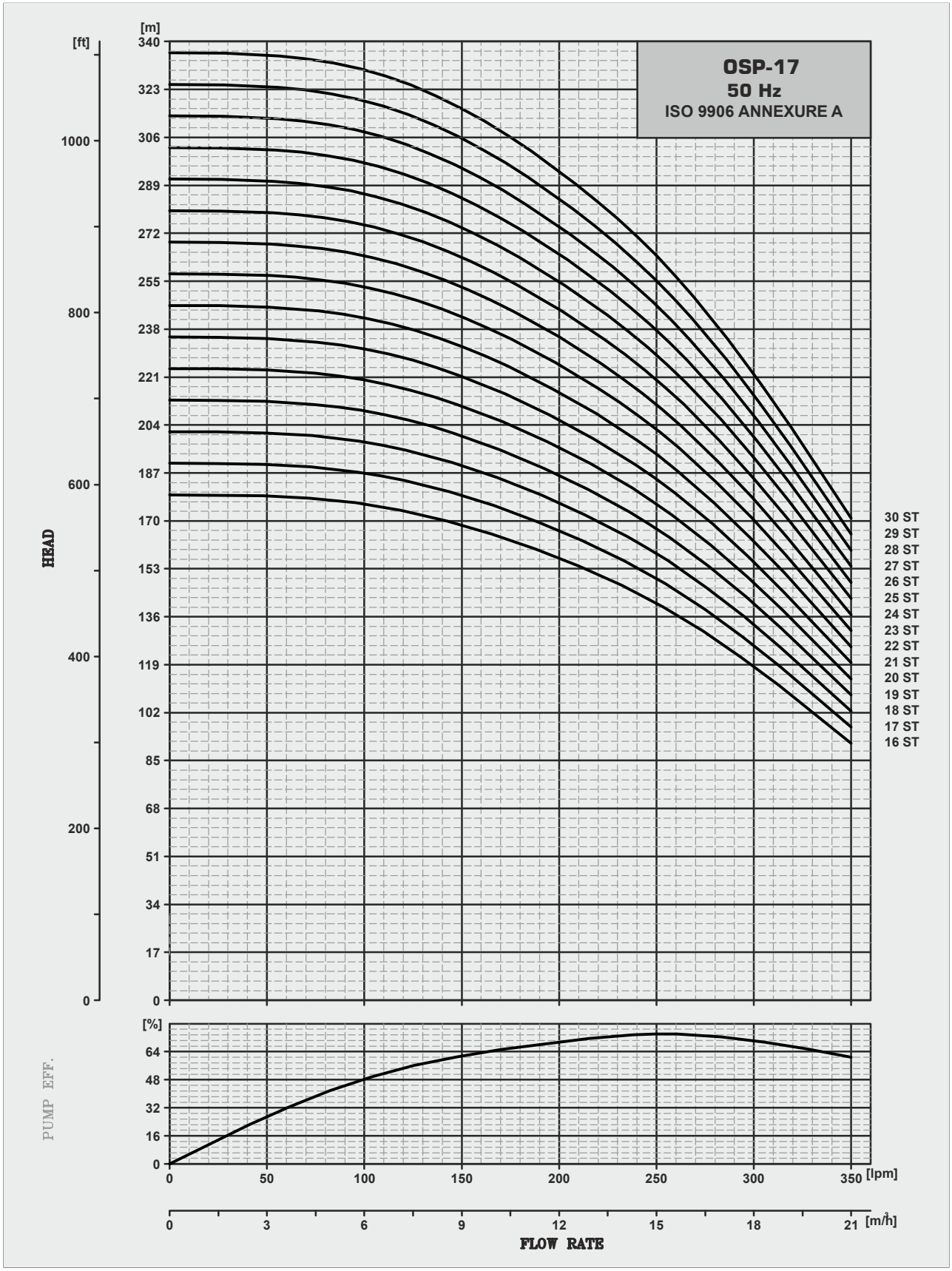
Performance Curves



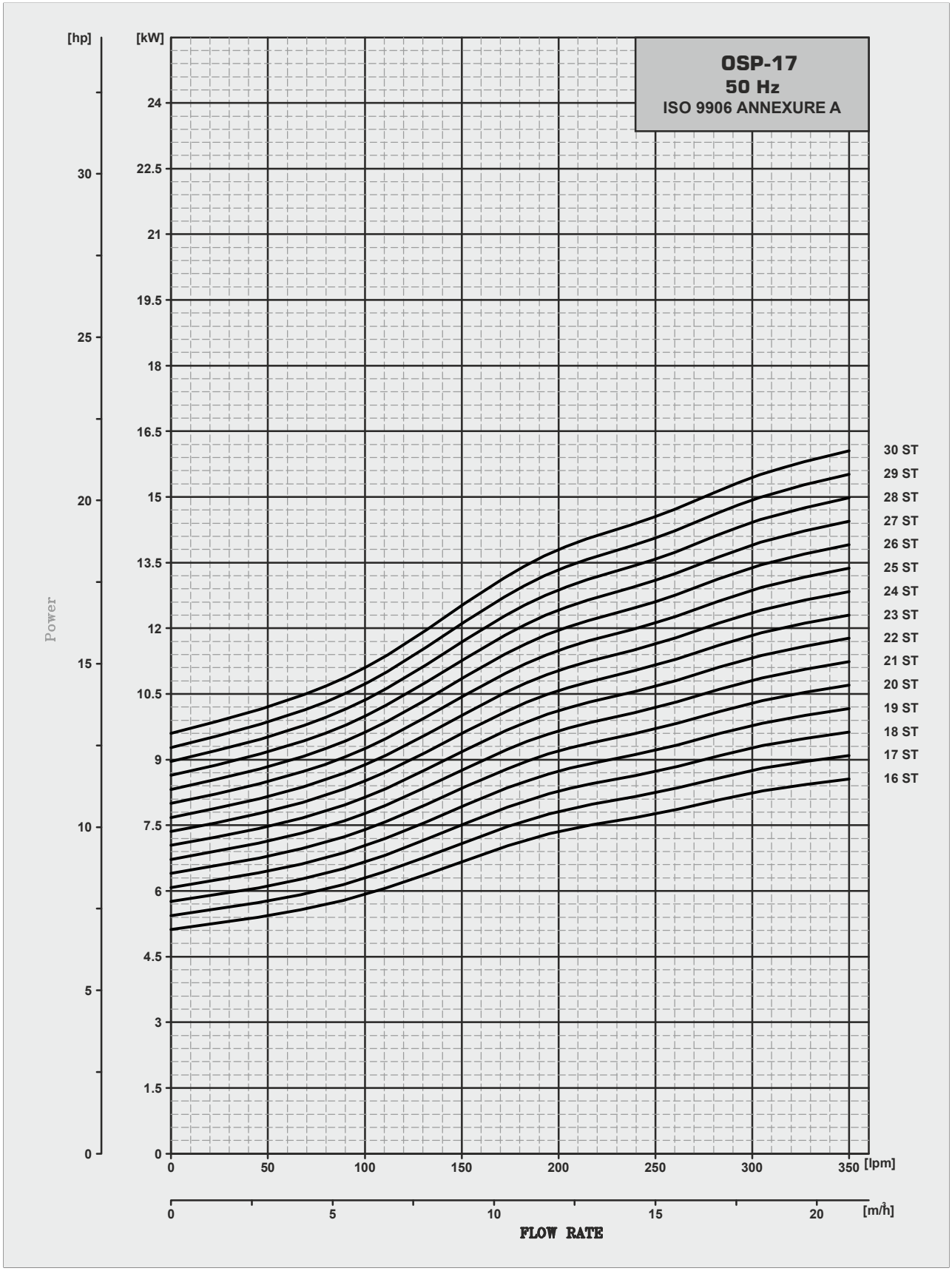
Power Curves



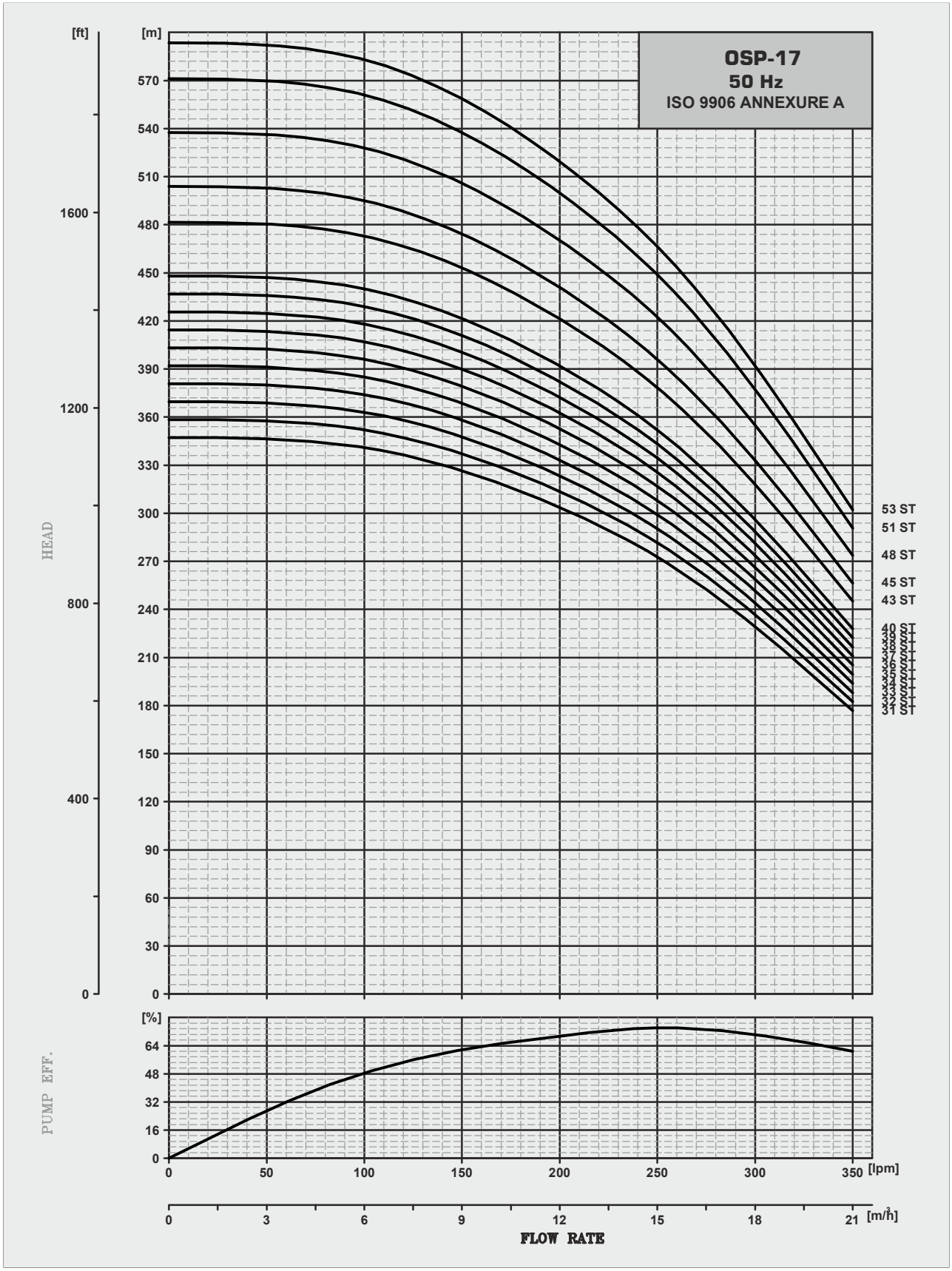
Performance Curves



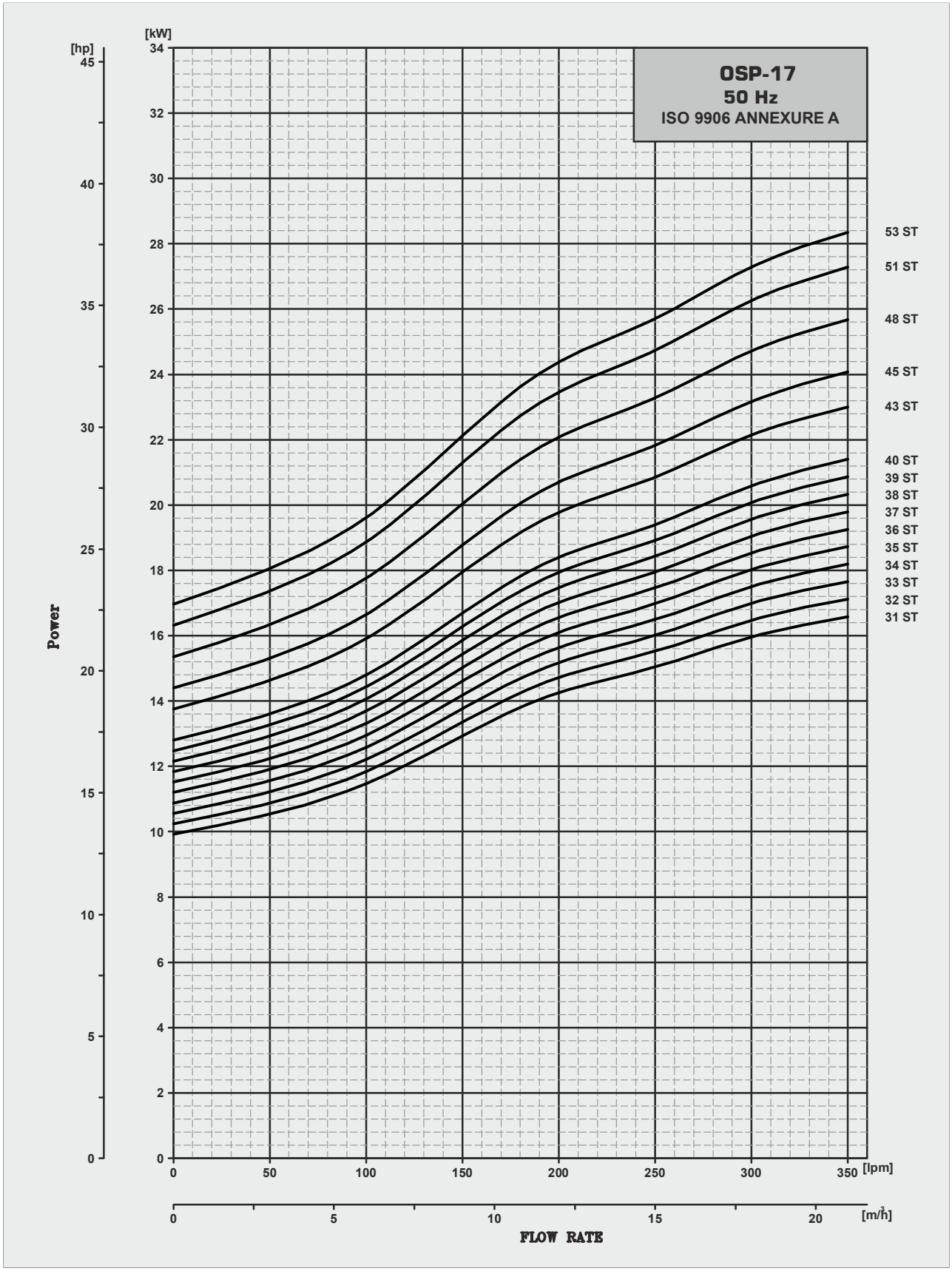
Power Curves



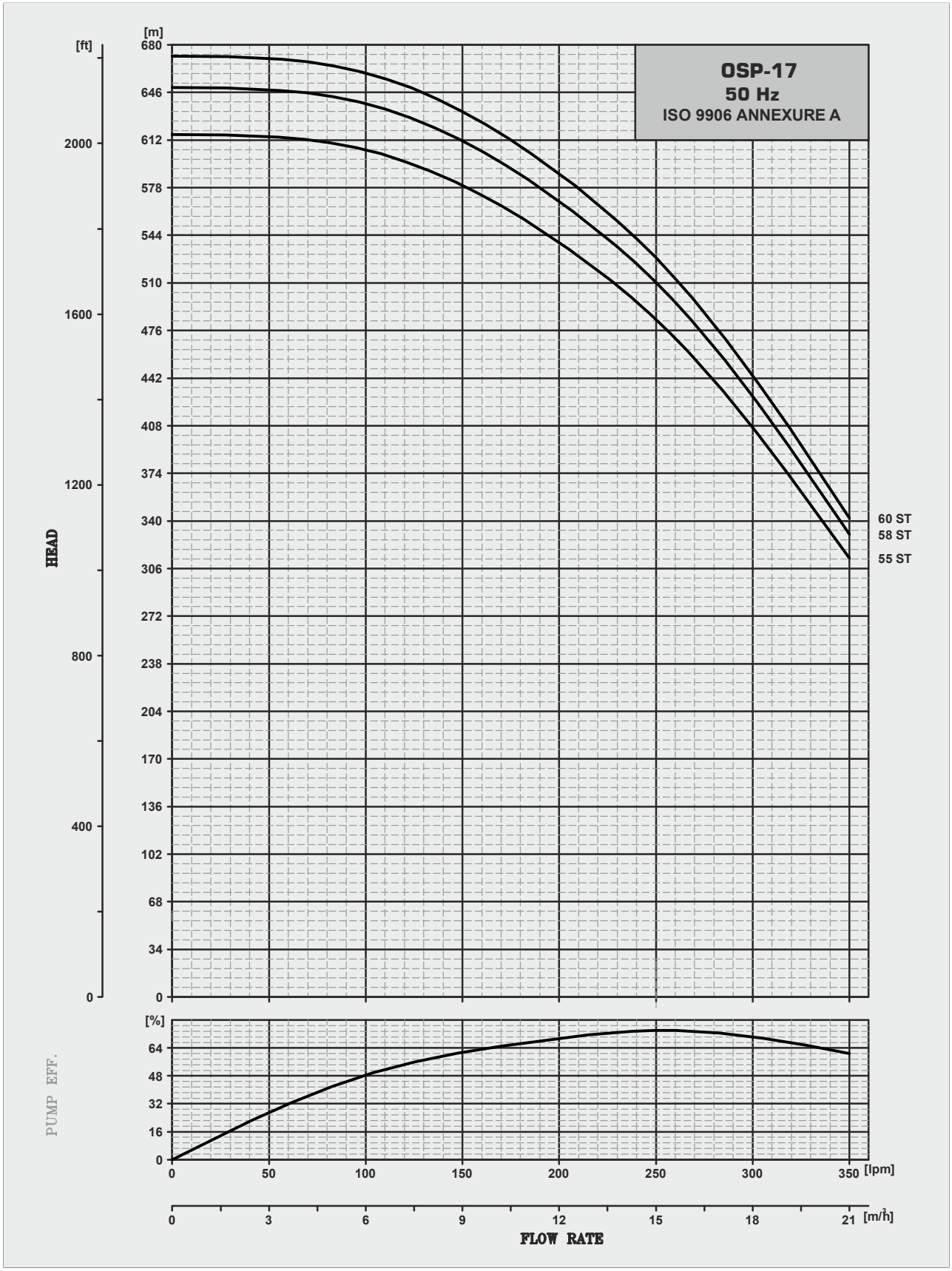
Performance Curves



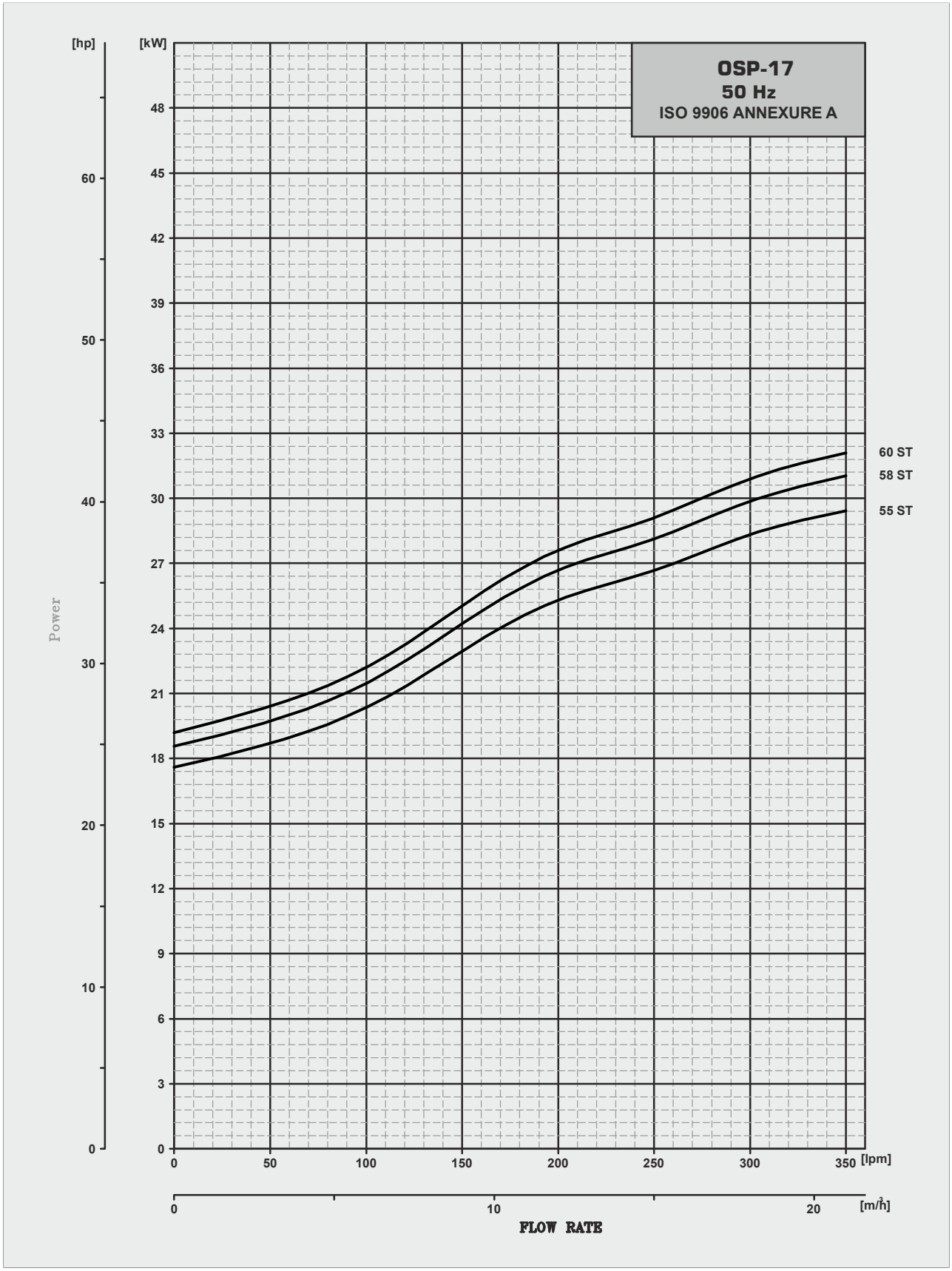
Power Curves



Performance Curves



Power Curves



Performance Table

Submersible Pump OSP-30

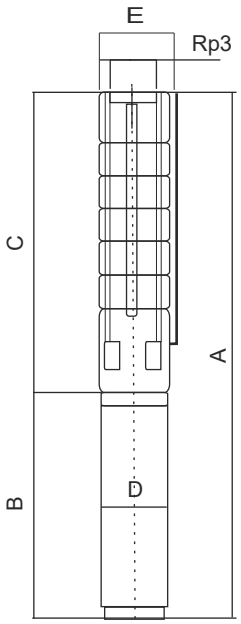
MODEL OSP-30	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H	0	12	24	**30**	36	39
						(LPM)	0	200	400	**500**	600	650
OSP-30/1(P4)50(4X6)	1.1	1.5	1	V-4	3"BSP	HEAD IN METERS	11.4	10.6	8.8	**7.5**	5.4	4.2
OSP-30/2(P4)50(4X6)	2.2	3	2	V-4	3"BSP		23	21	18	**15**	11	8
OSP-30/3(P4)50(4X6)	3	4	3	V-4	3"BSP		34	32	26	**23**	16	13
OSP-30/4(P4)50(6X6)	4.0	5.5	4	V-6	3"BSP		46	42	35	**30**	22	17
OSP-30/5(P4)50(6X6)	5.5	7.5	5	V-6	3"BSP		57	53	44	**38**	27	21
OSP-30/6(P4)50(6X6)	5.5	7.5	6	V-6	3"BSP		68	64	53	**45**	32	25
OSP-30/7(P4)50(6X6)	7.5	10	7	V-6	3"BSP		80	74	62	**53**	38	29
OSP-30/8(P4)50(6X6)	7.5	10	8	V-6	3"BSP		91	85	70	**60**	43	34
OSP-30/9(P4)50(6X6)	9.3	12.5	9	V-6	3"BSP		103	95	79	**68**	49	38
OSP-30/10(P4)50(6X6)	9.3	12.5	10	V-6	3"BSP		114	106	88	**75**	54	42
OSP-30/11(P4)50(6X6)	9.3	12.5	11	V-6	3"BSP		125	117	97	**83**	59	46
OSP-30/12(P4)50(6X6)	11	15	12	V-6	3"BSP		137	127	106	**90**	65	50
OSP-30/13(P4)50(6X6)	11	15	13	V-6	3"BSP		148	138	114	**98**	70	55
OSP-30/14(P4)50(6X6)	13	17.5	14	V-6	3"BSP		160	148	123	**105**	76	59
OSP-30/15(P4)50(6X6)	13	17.5	15	V-6	3"BSP		171	159	132	**113**	81	63
OSP-30/16(P4)50(6X6)	15	20	16	V-6	3"BSP		182	170	141	**120**	86	67
OSP-30/17(P4)50(6X6)	15	20	17	V-6	3"BSP		194	180	150	**128**	92	71
OSP-30/18(P4)50(6X6)	18.5	25	18	V-6	3"BSP		205	191	158	**135**	97	76
OSP-30/19(P4)50(6X6)	18.5	25	19	V-6	3"BSP		217	201	167	**143**	103	80
OSP-30/20(P4)50(6X6)	18.5	25	20	V-6	3"BSP		228	212	176	**150**	108	84
OSP-30/21(P4)50(6X6)	18.5	25	21	V-6	3"BSP		239	223	185	**158**	113	88
OSP-30/22(P4)50(6X6)	22	30	22	V-6	3"BSP		251	233	194	**165**	119	92
OSP-30/23(P4)50(6X6)	22	30	23	V-6	3"BSP		262	244	202	**173**	124	97
OSP-30/24(P4)50(6X6)	22	30	24	V-6	3"BSP		274	254	211	**180**	130	101
OSP-30/25(P4)50(6X6)	22	30	25	V-6	3"BSP		285	265	220	**188**	135	105
OSP-30/26(P4)50(6X6)	22	30	26	V-6	3"BSP		296	276	229	**195**	140	109
OSP-30/27(P4)50(6X6)	26	35	27	V-6	3"BSP		308	286	238	**203**	146	113
OSP-30/28(P4)50(6X6)	26	35	28	V-6	3"BSP		319	297	246	**210**	151	118
OSP-30/29(P4)50(6X6)	26	35	29	V-6	3"BSP		331	307	255	**218**	157	122
OSP-30/30(P4)50(6X6)	26	35	30	V-6	3"BSP		342	318	264	**225**	162	126
OSP-30/31(P4)50(6X6)	30	40	31	V-6	3"BSP		353	329	273	**233**	167	130
OSP-30/32(P4)50(6X6)	30	40	32	V-6	3"BSP		365	339	282	**240**	173	134
OSP-30/33(P4)50(6X6)	30	40	33	V-6	3"BSP		376	350	290	**248**	178	139
OSP-30/34(P4)50(6X6)	30	40	34	V-6	3"BSP		388	360	299	**255**	184	143
OSP-30/35(P4)50(6X6)	30	40	35	V-6	3"BSP		399	371	308	**263**	189	147
OSP-30/39(P4)50(6X6)	37	50	39	V-6	3"BSP		445	413	343	**293**	211	164
OSP-30/43(P4)50(6X6)	37	50	43	V-6	3"BSP		490	456	378	**323**	232	181
OSP-30/46(P4)50(6X6)	45	60	46	V-6	3"BSP		524	488	405	**345**	248	193
OSP-30/49(P4)50(6X6)	45	60	49	V-6	3"BSP		559	519	431	**368**	265	206
OSP-30/52(P4)50(8X6)	55	75	52	V-8	3"BSP		593	551	458	**390**	281	218
OSP-30/54(P4)50(8X6)	55	75	54	V-8	3"BSP		616	572	475	**405**	292	227

Technical Data

Submersible Pump OSP-30

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-30/1(P4)50(4X6)	1	V-4	1.1	371	131		6.53	97
OSP-30/2(P4)50(4X6)	2	V-6	2.2	467	143	145	8.54	97
OSP-30/3(P4)50(4X6)	3	V-4	3	563	143	145	10.55	97
OSP-30/4(P4)50(6X6)	4	V-6	4.0	659	143	145	14.39	144
OSP-30/5(P4)50(6X6)	5	V-6	5.5	755	143	145	16.40	144
OSP-30/6(P4)50(6X6)	6	V-6	5.5	851	143	145	18.41	144
OSP-30/7(P4)50(6X6)	7	V-6	7.5	947	143	145	20.42	144
OSP-30/8(P4)50(6X6)	8	V-6	7.5	1043	143	145	22.43	144
OSP-30/9(P4)50(6X6)	9	V-6	9.3	1139	143	145	24.44	144
OSP-30/10(P4)50(6X6)	10	V-6	9.3	1235	143	145	26.45	144
OSP-30/11(P4)50(6X6)	11	V-6	9.3	1331	143	145	28.46	144
OSP-30/12(P4)50(6X6)	12	V-6	11.0	1427	143	145	30.47	144
OSP-30/13(P4)50(6X6)	13	V-6	11.0	1523	143	145	32.48	144
OSP-30/14(P4)50(6X6)	14	V-6	13.0	1619	143	145	34.49	144
OSP-30/15(P4)50(6X6)	15	V-6	13.0	1715	143	145	36.50	144
OSP-30/16(P4)50(6X6)	16	V-6	15.0	1811	143	145	38.51	144
OSP-30/17(P4)50(6X6)	17	V-6	15.0	1907	143	145	40.52	144
OSP-30/18(P4)50(6X6)	18	V-6	18.5	2003	143	145	42.53	144
OSP-30/19(P4)50(6X6)	19	V-6	18.5	2099	143	145	44.54	144
OSP-30/20(P4)50(6X6)	20	V-6	18.5	2195	143	145	46.55	144
OSP-30/21(P4)50(6X6)	21	V-6	18.5	2291	143	145	48.56	144
OSP-30/22(P4)50(6X6)	22	V-6	22.0	2387	143	145	50.57	144
OSP-30/23(P4)50(6X6)	23	V-6	22.0	2483	143	145	52.58	144
OSP-30/24(P4)50(6X6)	24	V-6	22.0	2579	143	145	54.59	144
OSP-30/25(P4)50(6X6)	25	V-6	22.0	2675	143	145	56.60	144
OSP-30/26(P4)50(6X6)	26	V-6	22.0	2771	143	145	58.61	144
OSP-30/27(P4)50(6X6)	27	V-6	26.0	2867	143	145	60.62	144
OSP-30/28(P4)50(6X6)	28	V-6	26.0	2963	143	145	62.63	144
OSP-30/29(P4)50(6X6)	29	V-6	26.0	3059	143	145	64.64	144
OSP-30/30(P4)50(6X6)	30	V-6	26.0	3155	143	145	66.65	144
OSP-30/31(P4)50(6X6)	31	V-6	30.0	3251	143	145	68.66	144
OSP-30/32(P4)50(6X6)	32	V-6	30.0	3347	143	145	70.67	144
OSP-30/33(P4)50(6X6)	33	V-6	30.0	3443	143	145	72.68	144
OSP-30/34(P4)50(6X6)	34	V-6	30.0	3539	143	145	74.69	144
OSP-30/35(P4)50(6X6)	35	V-6	30.0	3635	143	145	76.70	144
OSP-30/39(P4)50(6X6)	39	V-8	37.0	4019	143	145	84.74	144
OSP-30/43(P4)50(6X6)	43	V-8	37.0	4403	143	145	92.78	144
OSP-30/46(P4)50(6X6)	46	V-8	45.0	4691	143	145	98.81	144
OSP-30/49(P4)50(6X6)	49	V-8	45.0	4979	143	145	104.84	144
OSP-30/52(P4)50(8X6)	52	V-8	55.0	5478	188	188	128.02	189
OSP-30/54(P4)50(8X6)	54	V-8	55.0	5670	188	188	132.04	189

FIGURE

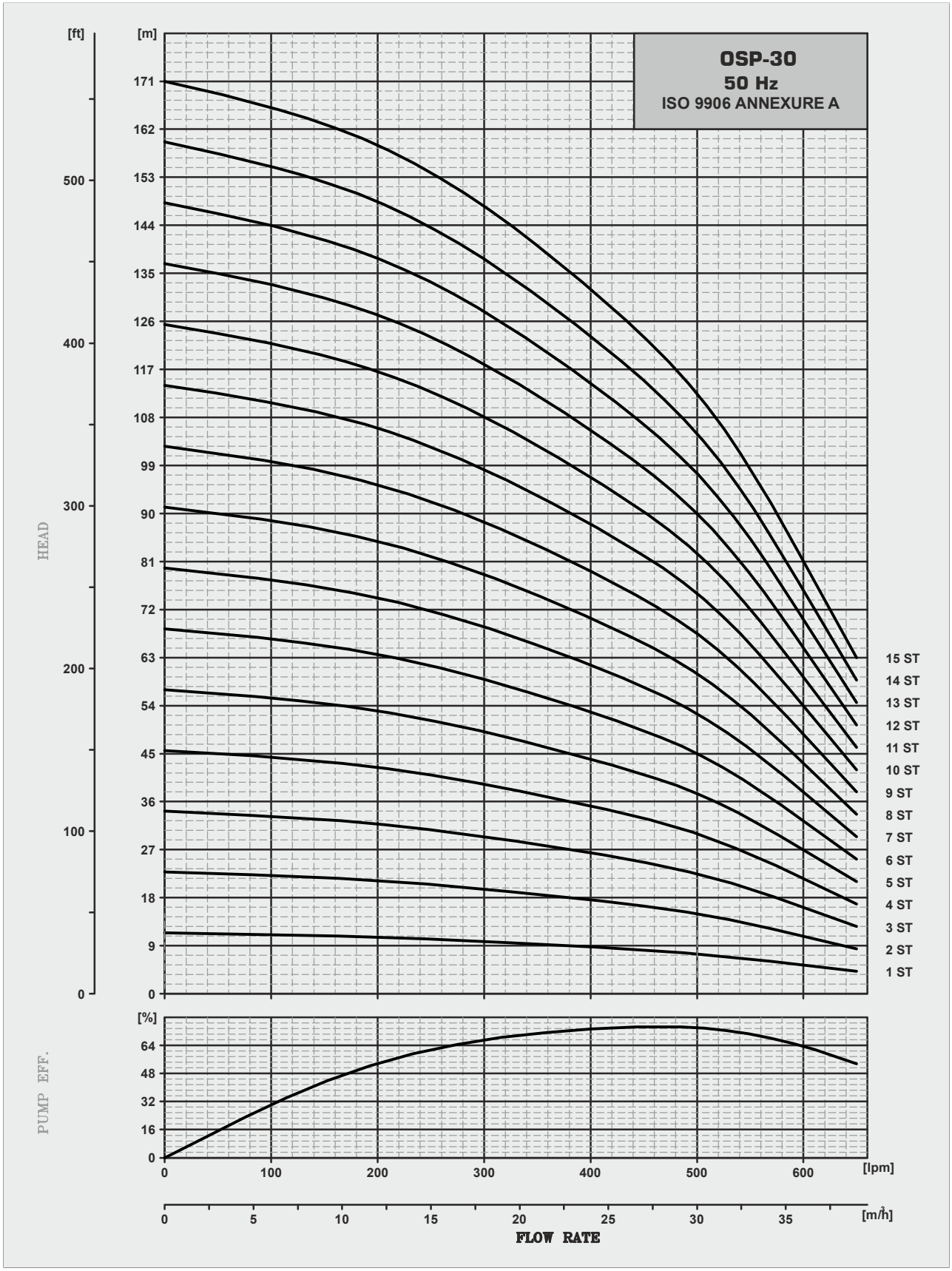


FROM : 4 STAGE TO 6 STAGE ALSO AVAILABLE WITH 4" MOTOR JOINING (4X6)

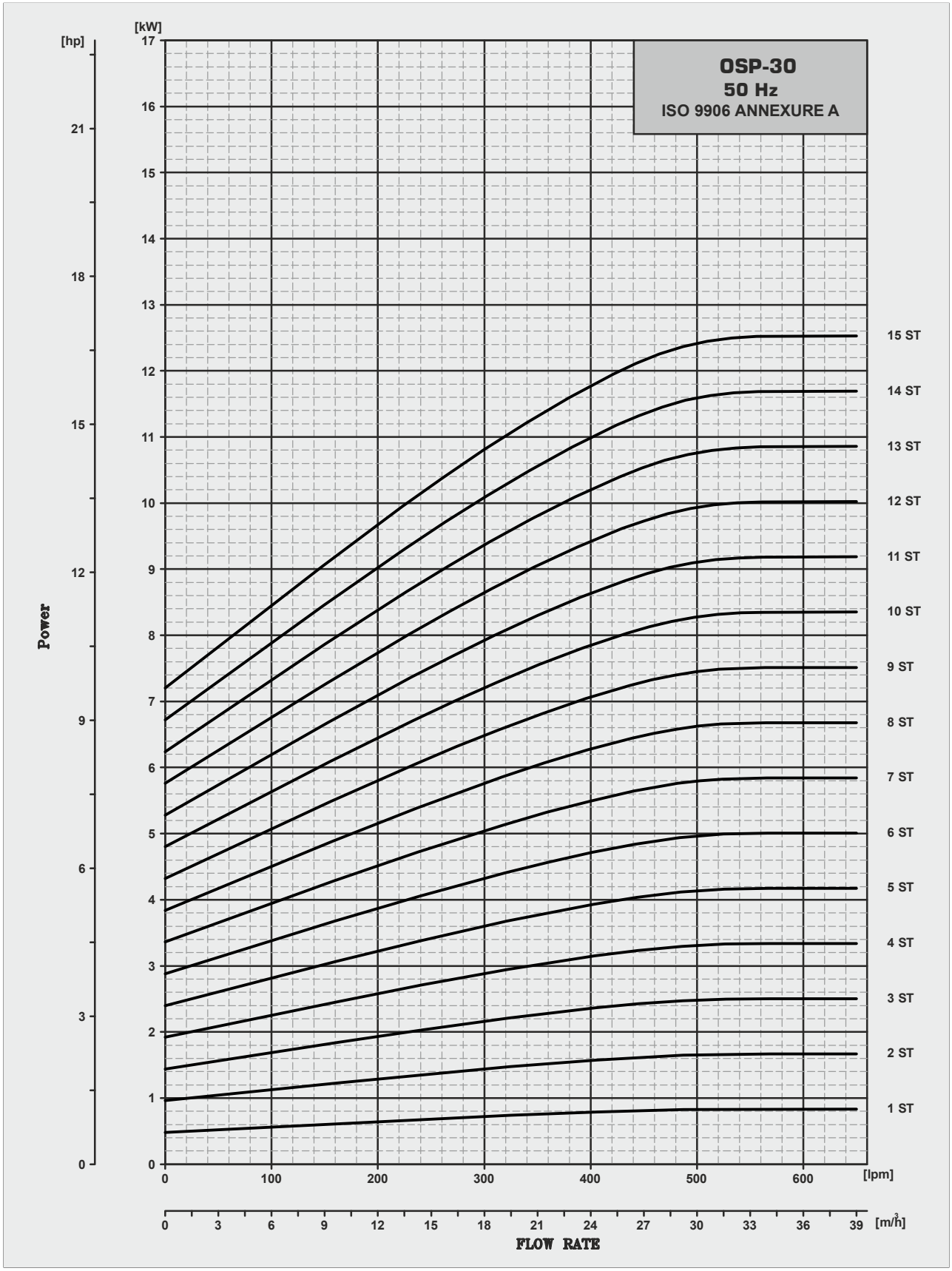
* MAX.DIA OF PUMP WITH ONE MOTOR CABLE
** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

NOTE- (S) =MEANS PUMP WITH SLEEVE (EXTERNAL JACKET)

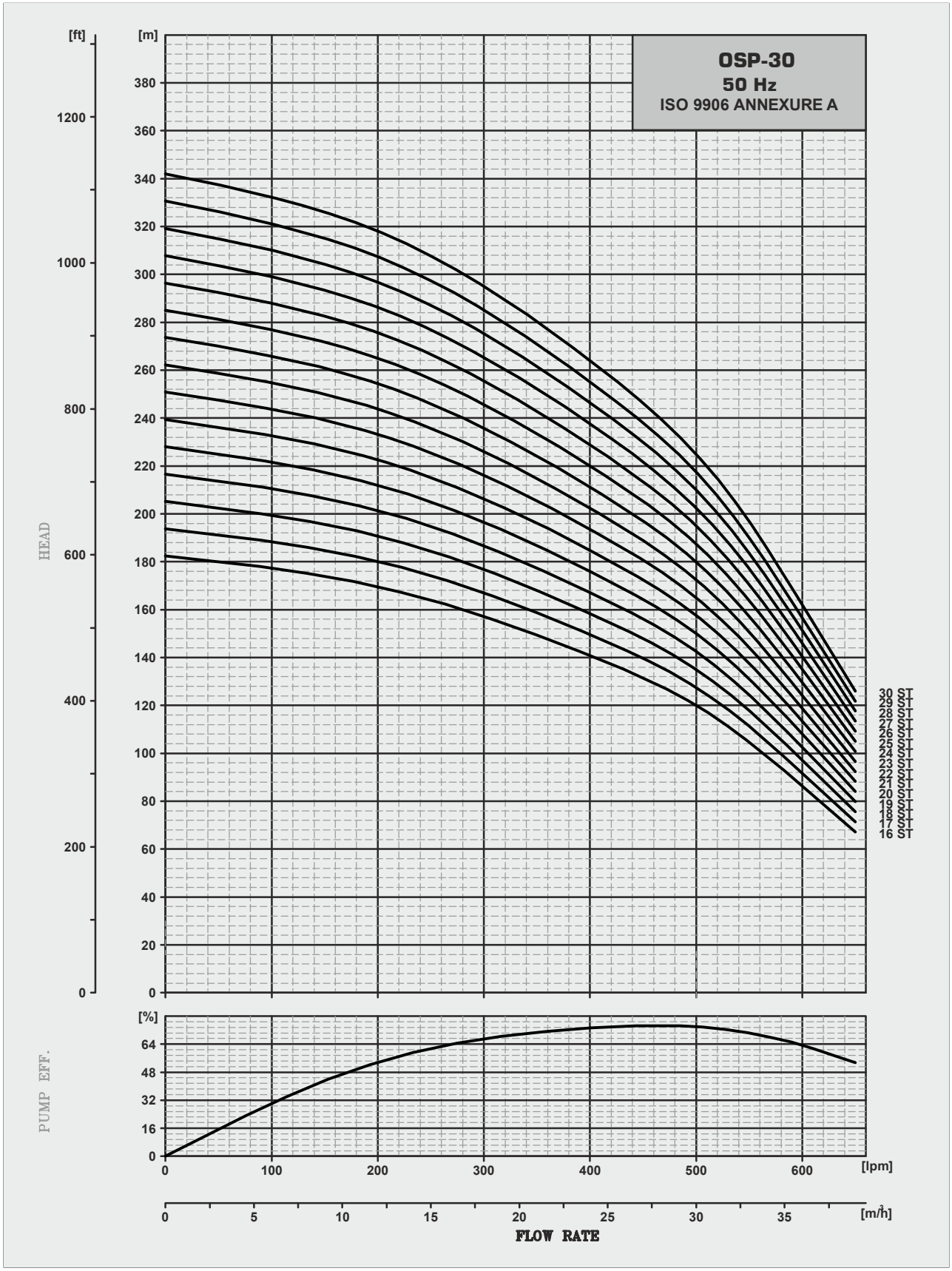
Performance Curves



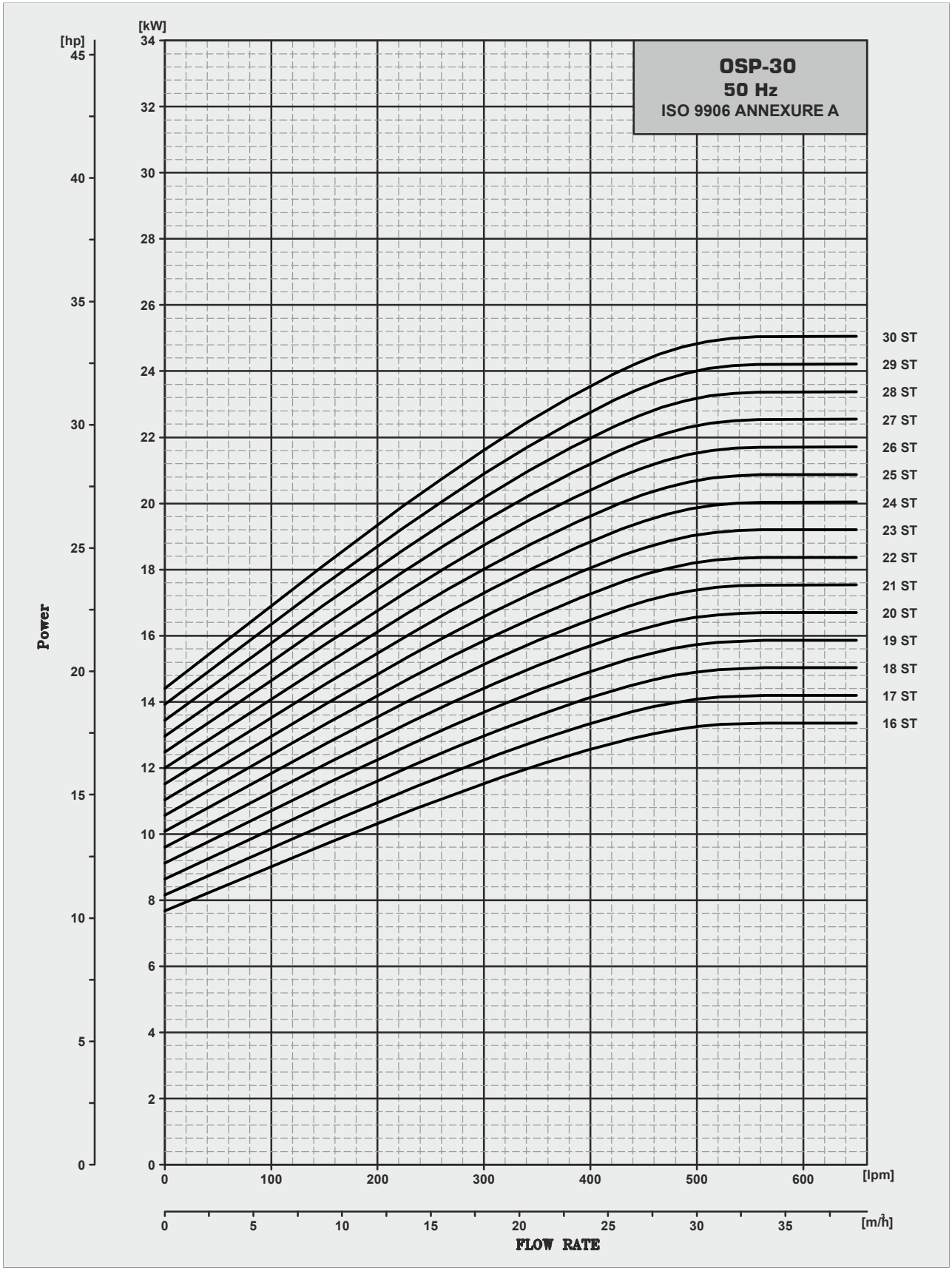
Power Curves



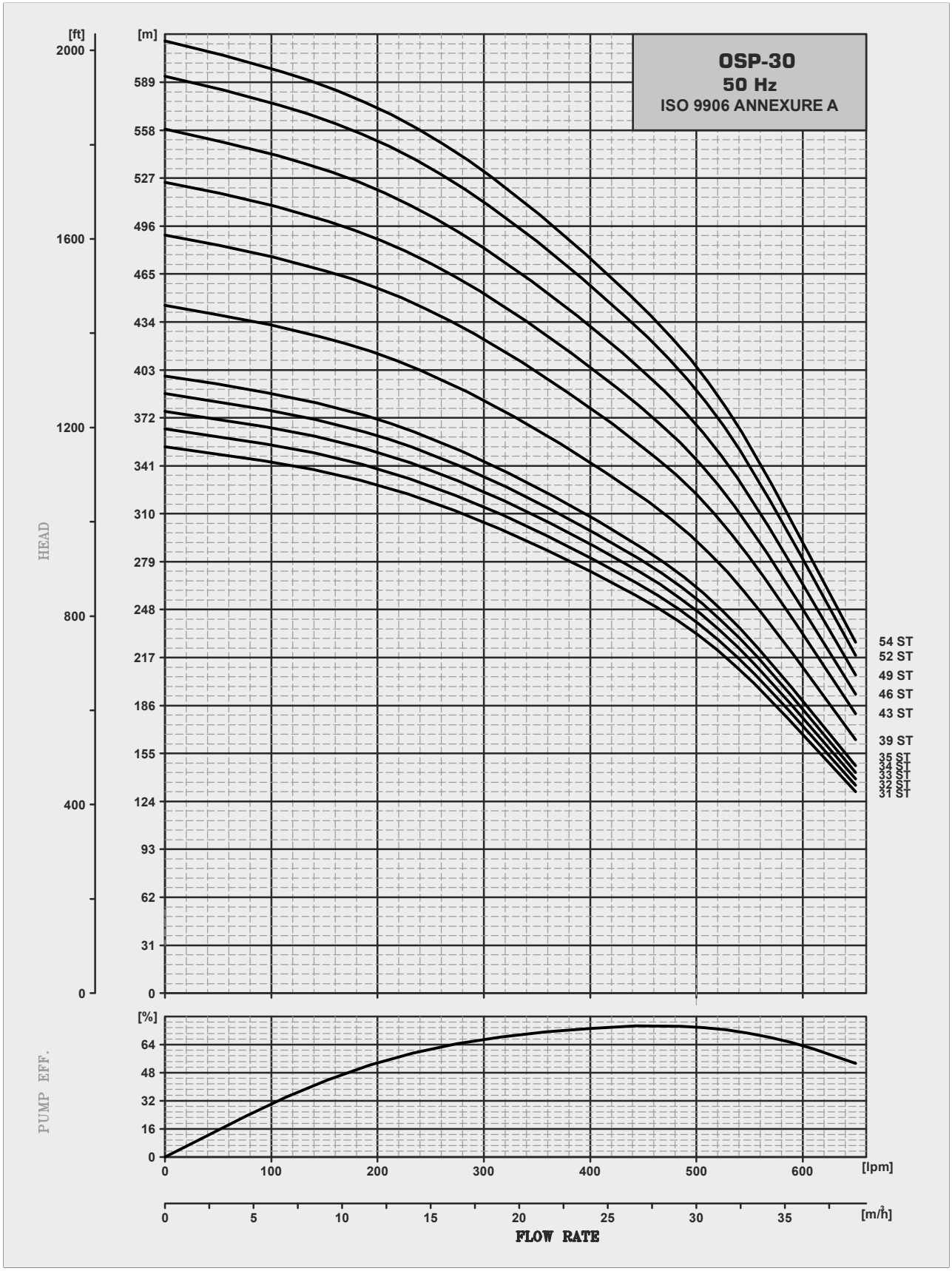
Performance Curves



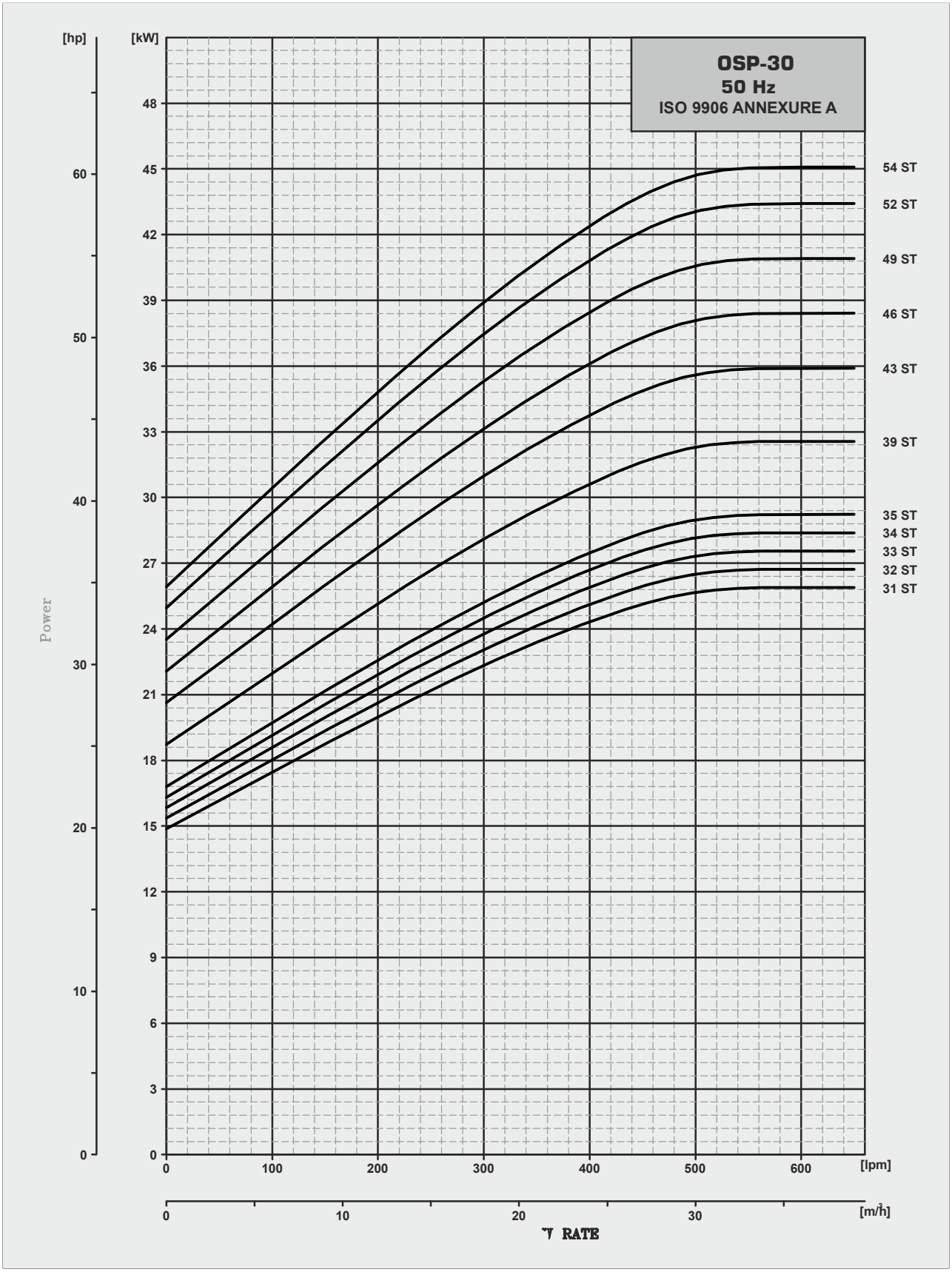
Power Curves



Performance Curves



Power Curves



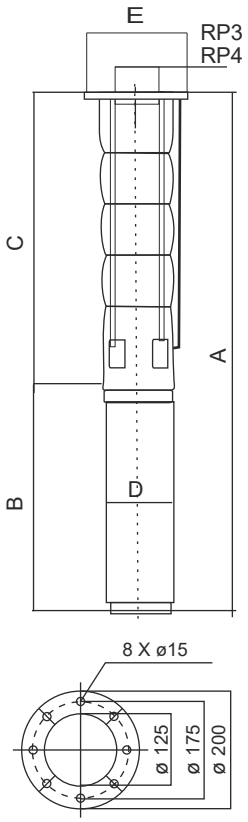
Performance Table

Submersible Pump OSP-46

MODEL OSP-46	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge					
						M^3/H	0	24	36	**48**	60
						(LPM)	0	400	600	**800**	1000
OSP-46/1-B(P4)50(4X6)	1.1	1.5	1-B	V-4	4"BSP	HEAD IN METERS	9.5	8	7	**4**	0.5
OSP-46/1(P4)50(4X6)	2.2	3	1	V-6	4"BSP		13.4	11.6	10	**8.1**	5
OSP-46/2-BB(P4)50(4X6)	2.2	3	2-BB	V-4	4"BSP		19	16	14	**9**	1
OSP-46/2(P4)50(4X6)	3	4	2	V-4	4"BSP		27	23	20	**16**	10
OSP-46/3-C(P4)50(6X6)	5.5	5.5	3-C	V-6	4"BSP		36	30	26	**19**	10
OSP-46/3(P4)50(6X6)	5.5	7.5	3	V-6	4"BSP		40	35	30	**24**	15
OSP-46/4-C(P4)50(6X6)	5.5	7.5	4-C	V-6	4"BSP		49	42	36	**27**	15
OSP-46/4(P4)50(6X6)	7.5	10	4	V-6	4"BSP		54	46	40	**32**	20
OSP-46/5(P4)50(6X6)	7.5	10	5	V-6	4"BSP		67	58	50	**41**	25
OSP-46/6(P4)50(6X6)	9.3	12.5	6	V-6	4"BSP		80	70	60	**49**	30
OSP-46/7(P4)50(6X6)	11	15	7	V-6	4"BSP		94	81	70	**57**	35
OSP-46/8-C(P4)50(6X6)	11	15	8-C	V-6	4"BSP		103	88	76	**60**	35
OSP-46/8(P4)50(6X6)	13	17.5	8	V-6	4"BSP		107	93	80	**65**	0
OSP-46/9-C(P4)50(6X6)	13	17.5	9-C	V-6	4"BSP		116	100	86	**68**	40
OSP-46/9(P4)50(6X6)	15	20	9	V-6	4"BSP		121	104	90	**73**	45
OSP-46/10(P4)50(6X6)	15	20	10	V-6	4"BSP		134	116	100	**81**	50
OSP-46/11(P4)50(6X6)	18.5	25	11	V-6	4"BSP		147	128	110	**89**	55
OSP-46/12(P4)50(6X6)	18.5	25	12	V-6	4"BSP		161	139	120	**97**	60
OSP-46/13(P4)50(6X6)	22	30	13	V-6	4"BSP		174	151	130	**105**	65
OSP-46/14(P4)50(6X6)	22	30	14	V-6	4"BSP		188	162	140	**113**	70
OSP-46/15(P4)50(6X6)	22	30	15	V-6	4"BSP		201	174	150	**122**	75
OSP-46/16(P4)50(6X6)	26	35	16	V-6	4"BSP		214	186	160	**130**	80
OSP-46/17(P4)50(6X6)	26	35	17	V-6	4"BSP		228	197	170	**138**	85
OSP-46/18(P4)50(6X6)	30	40	18	V-6	4"BSP		241	209	180	**146**	90
OSP-46/19(P4)50(6X6)	30	40	19	V-6	4"BSP		255	220	190	**154**	95
OSP-46/20(P4)50(6X6)	30	40	20	V-6	4"BSP		268	232	200	**162**	100
OSP-46/21(P4)50(6X6)	37	50	21	V-6	4"BSP		281	244	210	**170**	105
OSP-46/22(P4)50(6X6)	37	50	22	V-6	4"BSP		295	255	220	**178**	110
OSP-46/23(P4)50(6X6)	37	50	23	V-6	4"BSP		308	267	230	**186**	115
OSP-46/24(P4)50(6X6)	37	50	24	V-6	4"BSP		322	278	240	**194**	120
OSP-46/26(P4)50(6X6)	45	60	26	V-6	4"BSP		348	302	260	**211**	130
OSP-46/28(P4)50(6X6)	45	60	28	V-6	4"BSP		375	325	280	**227**	140
OSP-46/30(P4)50(6X6)	45	60	30	V-6	4"BSP		402	348	300	**243**	150
OSP-46/33(P4)50(8X6)	55	75	33	V-8	4"BSP		442	383	330	**267**	165
OSP-46/35(P4)50(8x6)	55	75	35	V-8	4"BSP		469	406	350	**284**	175
OSP-46/37(P4)50(8x6)	55	75	37	V-8	4"BSP		496	429	370	**300**	185

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-46/1-B(P4)50(4X6)	1-B	V-4	1.1	393	145		7.45	97
OSP-46/1(P4)50(4X6)	1	V-4	2.2	393	147	152	7.45	97
OSP-46/2-BB(P4)50(4X6)	2-BB	V-4	2.2	506	147	152	9.81	97
OSP-46/2(P4)50(4X6)	2	V-4	3.0	506	147	152	9.81	97
OSP-46/3-C(P4)50(6X6)	3-C	V-6	4.0	619	147	152	12.94	144
OSP-46/3(P4)50(6X6)	3	V-6	5.5	619	147	152	12.94	144
OSP-46/4-C(P4)50(6X6)	4-C	V-6	5.5	732	147	152	15.30	144
OSP-46/4(P4)50(6X6)	4	V-6	7.5	732	147	152	15.30	144
OSP-46/5(P4)50(6X6)	5	V-6	7.5	845	147	152	17.66	144
OSP-46/6(P4)50(6X6)	6	V-6	9.3	958	147	152	20.03	144
OSP-46/7(P4)50(6X6)	7	V-6	11.0	1071	147	152	22.39	144
OSP-46/8-C(P4)50(6X6)	8-C	V-6	11.0	1184	147	152	24.75	144
OSP-46/8(P4)50(6X6)	8	V-6	13.0	1184	147	152	24.75	144
OSP-46/9-C(P4)50(6X6)	9-C	V-6	13.0	1297	147	152	27.11	144
OSP-46/9(P4)50(6X6)	9	V-6	15.0	1297	147	152	27.11	144
OSP-46/10(P4)50(6X6)	10	V-6	15.0	1410	147	152	29.47	144
OSP-46/11(P4)50(6X6)	11	V-6	18.5	1523	147	152	31.84	144
OSP-46/12(P4)50(6X6)	12	V-6	18.5	1636	147	152	34.20	144
OSP-46/13(P4)50(6X6)	13	V-6	22.0	1749	147	152	36.56	144
OSP-46/14(P4)50(6X6)	14	V-6	22.0	1862	147	152	38.92	144
OSP-46/15(P4)50(6X6)	15	V-6	22.0	1975	147	152	41.28	144
OSP-46/16(P4)50(6X6)	16	V-6	26.0	2088	147	152	43.65	144
OSP-46/17(P4)50(6X6)	17	V-6	26.0	2201	147	152	46.01	144
OSP-46/18(P4)50(6X6)	18	V-6	30.0	2314	147	152	48.37	144
OSP-46/19(P4)50(6X6)	19	V-6	30.0	2427	147	152	50.73	144
OSP-46/20(P4)50(6X6)	20	V-6	30.0	2540	147	152	53.09	144
OSP-46/21(P4)50(6X6)	21	V-6	37.0	2653	147	152	55.46	144
OSP-46/22(P4)50(6X6)	22	V-6	37.0	2766	147	152	57.82	144
OSP-46/23(P4)50(6X6)	23	V-6	37.0	2879	147	152	60.18	144
OSP-46/24(P4)50(6X6)	24	V-6	37.0	2992	147	152	62.54	144
OSP-46/25(P4)50(6X6)	25	V-6	45.0	3105	147	152	64.90	144
OSP-46/28(P4)50(6X6)	28	V-6	45.0	3444	147	188	71.99	144
OSP-46/30(P4)50(6X6)	30	V-6	45.0	3670	147	152	76.71	144
OSP-46/33(P4)50(8x6)	33	V-8	55.0	4044	188	188	89.90	189
OSP-46/35(P4)50(8X6)	35	V-8	55.0	4270	188	188	94.63	189
OSP-46/37(P4)50(8X6)	37	V-8	55.0	4496	188	188	99.35	189

FIGURE



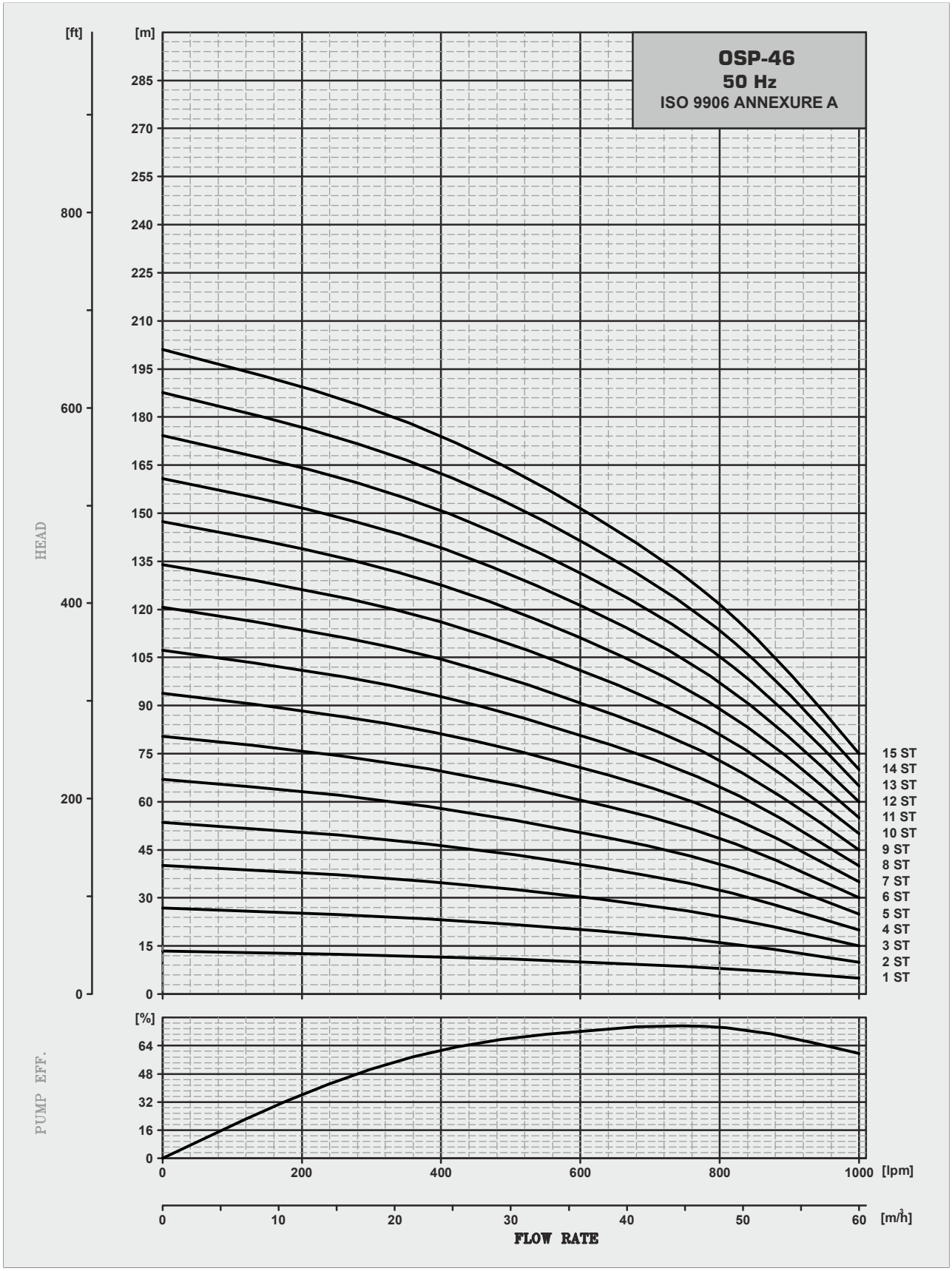
FROM : 3 STAGE TO 4 STAGE ALSO AVAILABLE WITH 4" MOTOR JOINING (4X6)

FROM : 21 STAGE TO 30 STAGE ALSO AVAILABLE WITH 8" MOTOR JOINING (8X6)

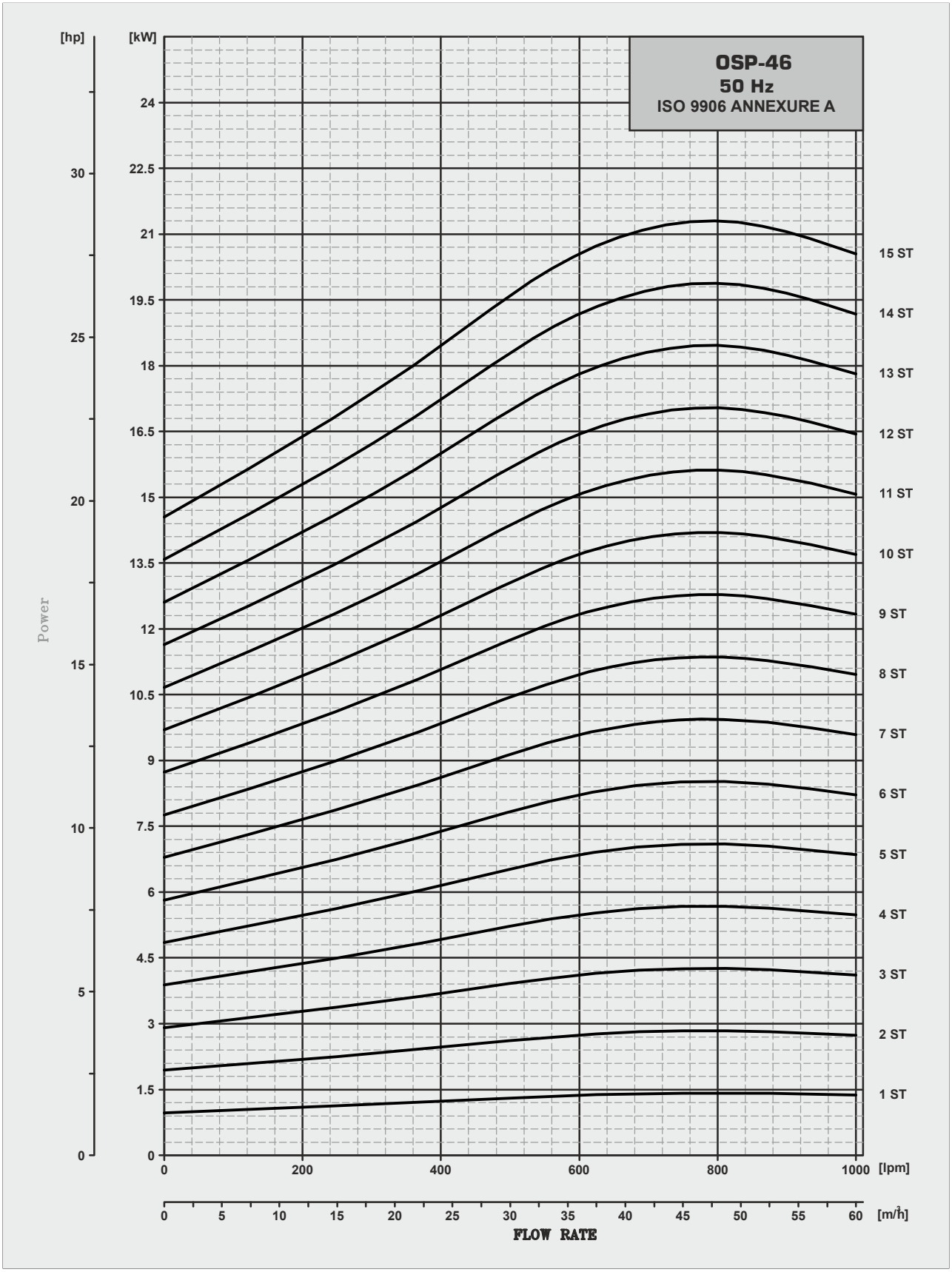
* MAX.DIA OF PUMP WITH ONE MOTOR CABLE
** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

NOTE- (S) =MEANS PUMP WITH SLEEVE (EXTERNAL JACKET)

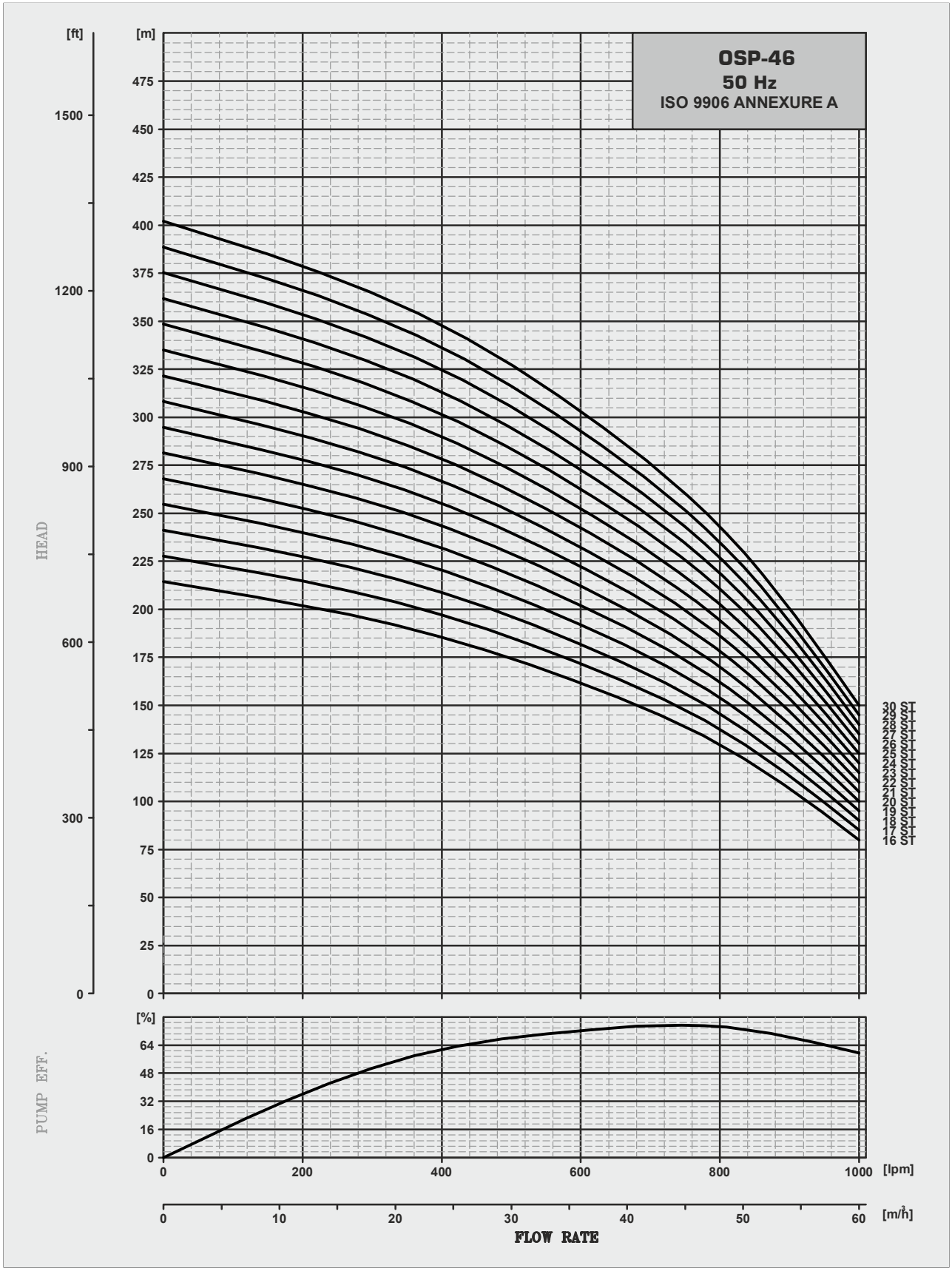
Performance Curves



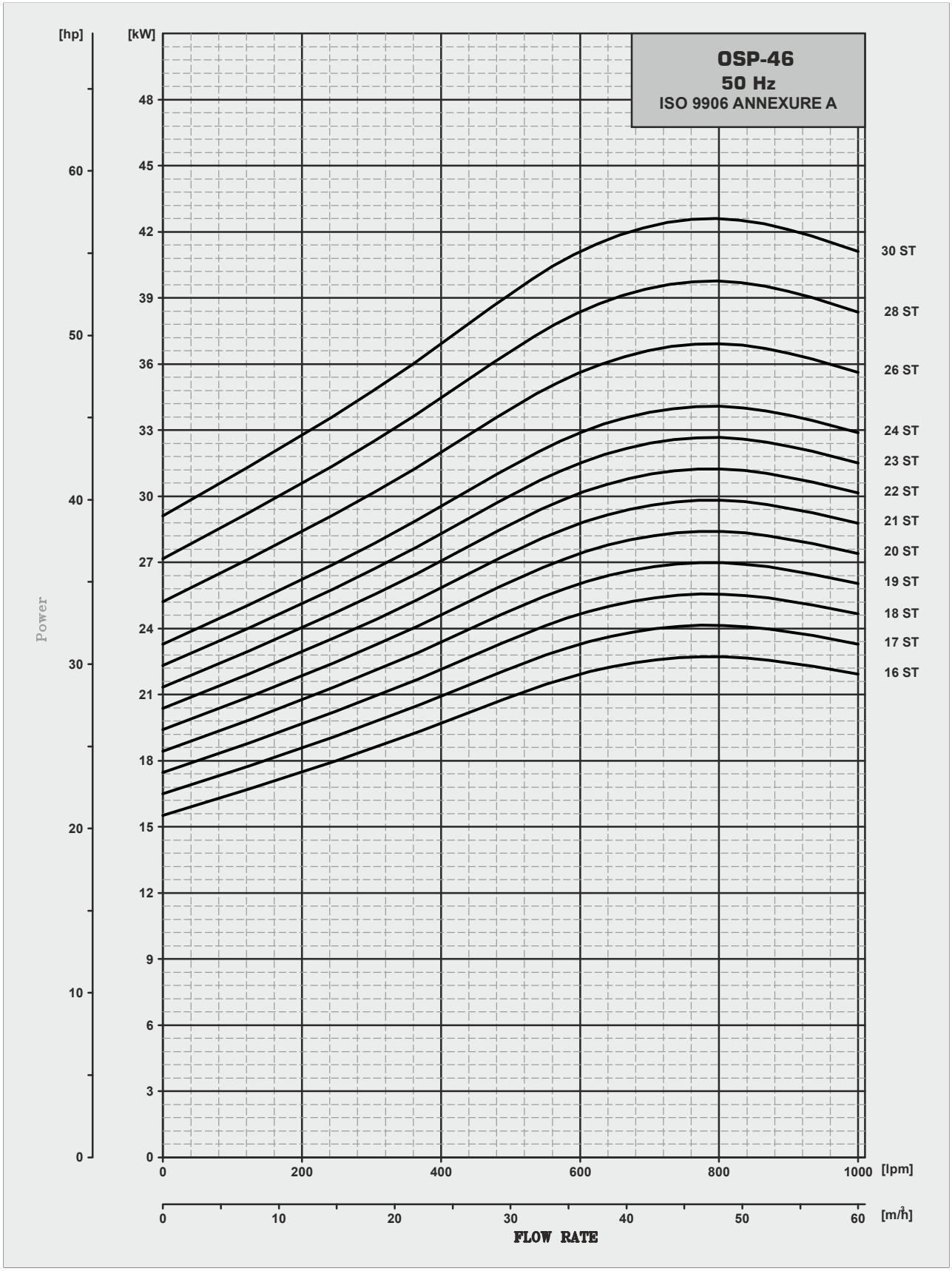
Power Curves



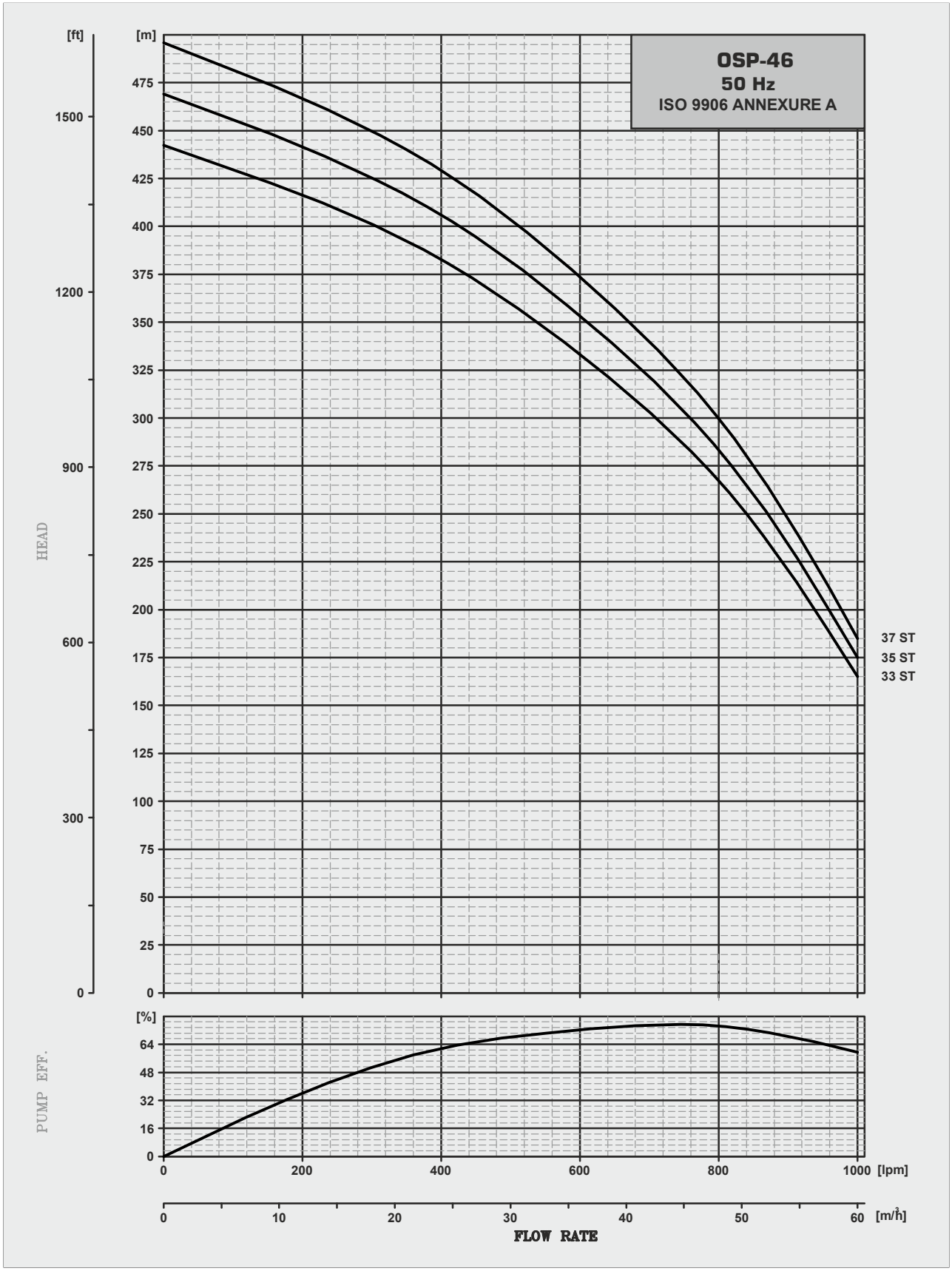
Performance Curves



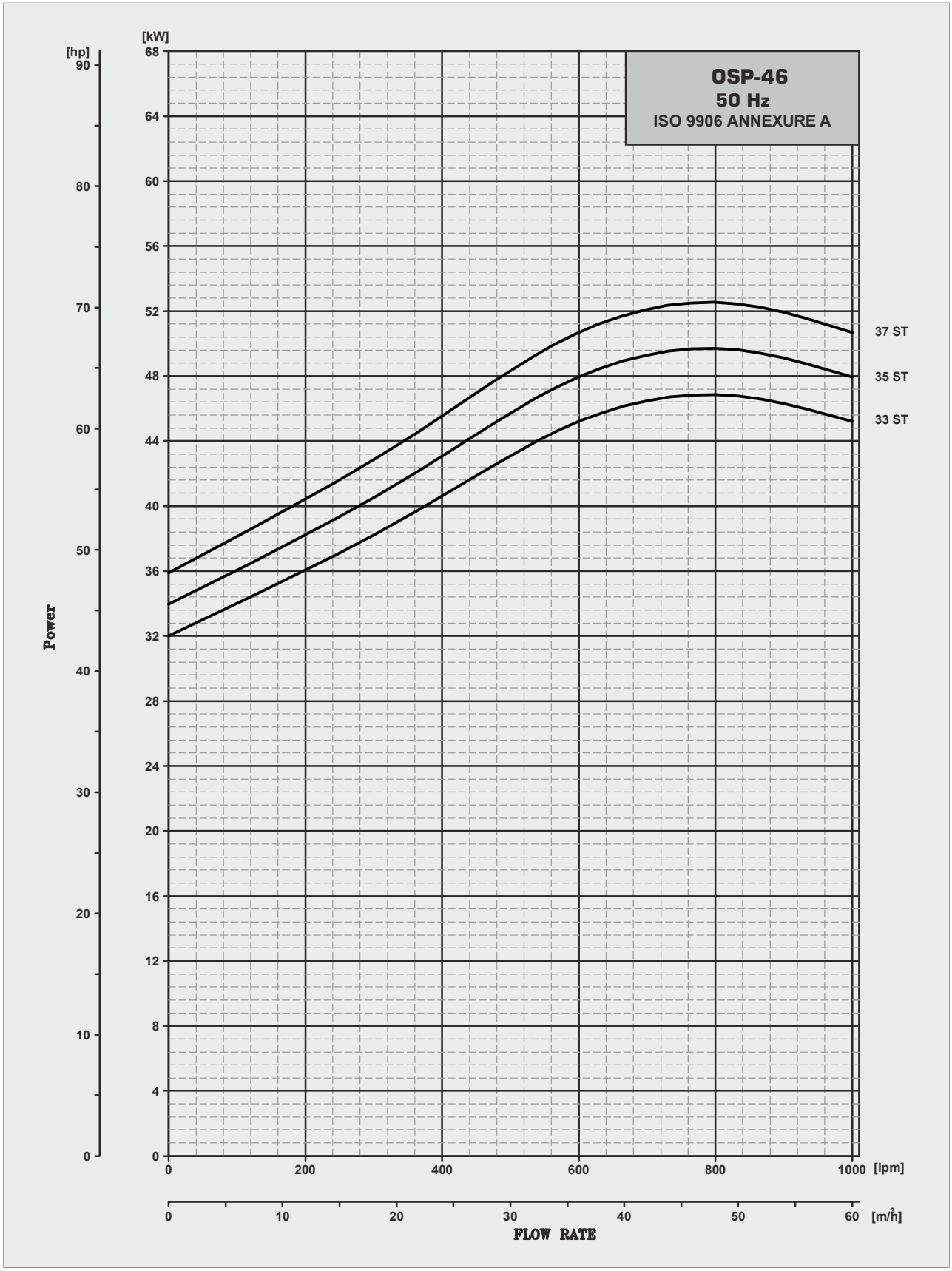
Power Curves



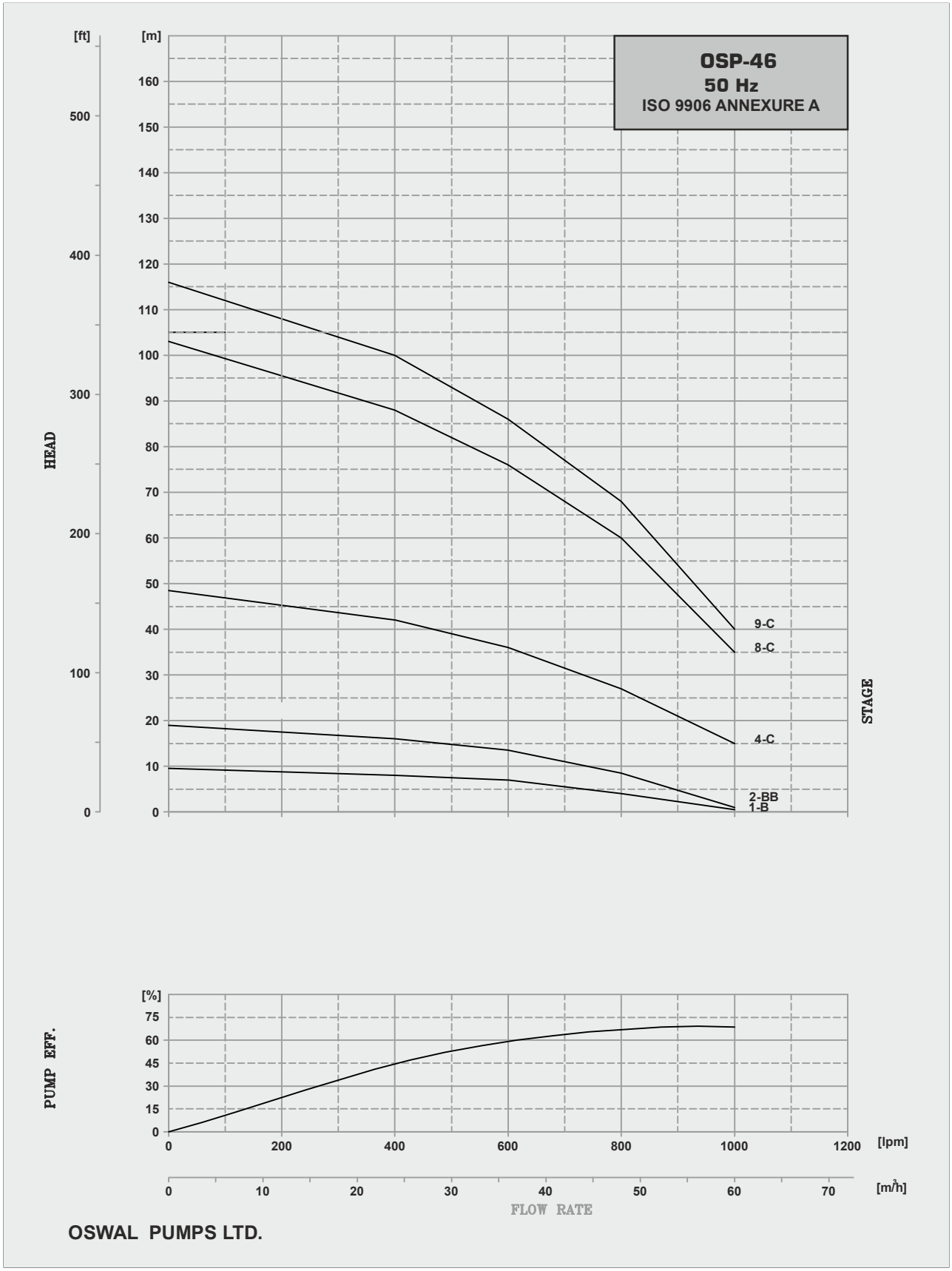
Performance Curves



Power Curves

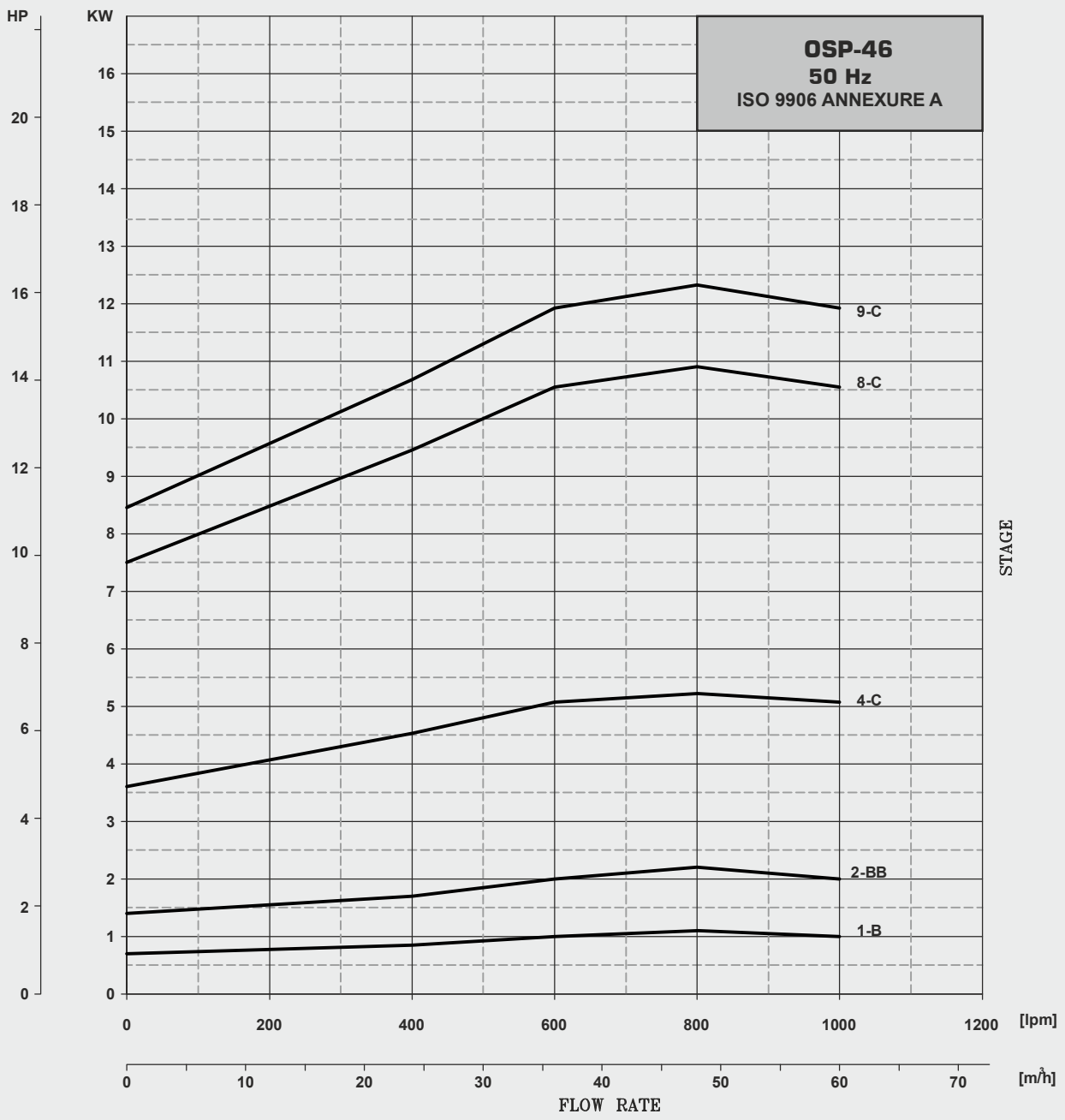


Performance Curves



OSWAL PUMPS LTD.

Power Curves



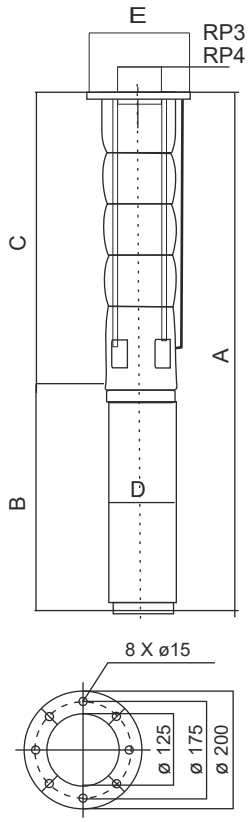
Performance Table

Submersible Pump OSP- 60

MODEL OSP-60	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H	0	24	36	48	**60**	72
						(LPM)	0	400	600	800	**1000**	1200
OSP-60/1-A (P4)50(4x6)	1.5	2	1-A	V-4	4"BSP	HEAD IN METERS	11	9	7	6	**4**	0
OSP-60/1(P4)50(4x6)	2.2	3	1	V-4	4"BSP		14.2	12.8	11.0	9.4	**7.7**	5.5
OSP-60/2-B(P4)50(4x6)	3	4	2-B	V-4	4"BSP		21	20	16	14	**10**	6
OSP-60/2(P4)50(6X6)	4.0	5.5	2	V-6	4"BSP		28	26	22	19	**15**	11
OSP-60/3(P4)50(6X6)	5.5	7.5	3	V-6	4"BSP		43	38	33	28	**23**	17
OSP-60/4(P4)50(6X6)	7.5	10	4	V-6	4"BSP		57	51	44	38	**31**	22
OSP-60/5(P4)50(6X6)	9.3	12.5	5	V-6	4"BSP		71	64	55	47	**39**	28
OSP-60/6(P4)50(6X6)	11	15	6	V-6	4"BSP		85	77	66	56	**46**	33
OSP-60/7(P4)50(6X6)	13	17.5	7	V-6	4"BSP		99	90	77	66	**54**	39
OSP-60/8-B(P4)50(6X6)	13	17.5	8-B	V-6	4"BSP		106	97	82	70	**56**	39
OSP-60/8(P4)50(6X6)	15	20	8	V-6	4"BSP		114	102	88	75	**62**	44
OSP-60/9-B(P4)50(6X6)	15	20	9-B	V-6	4"BSP		121	109	93	79	**64**	44
OSP-60/9(P4)50(6X6)	18.5	25	9	V-6	4"BSP		128	115	99	85	**69**	50
OSP-60/10(P4)50(6X6)	18.5	25	10	V-6	4"BSP		142	128	110	94	**77**	55
OSP-60/11(P4)50(6X6)	22	30	11	V-6	4"BSP		156	141	121	103	**85**	61
OSP-60/12(P4)50(6X6)	22	30	12	V-6	4"BSP		170	154	132	113	**92**	66
OSP-60/13(P4)50(6X6)	26	35	13	V-6	4"BSP		185	166	143	122	**100**	72
OSP-60/14(P4)50(6X6)	26	35	14	V-6	4"BSP		199	179	154	132	**108**	77
OSP-60/15(P4)50(6X6)	26	35	15	V-6	4"BSP		213	192	165	141	**116**	83
OSP-60/16(P4)50(6X6)	30	40	16	V-4	4"BSP		227	205	176	150	**123**	88
OSP-60/17(P4)50(6X6)	30	40	17	V-6	4"BSP		241	218	187	160	**131**	94
OSP-60/18(P4)50(6X6)	37	50	18	V-6	4"BSP		256	230	198	169	**139**	99
OSP-60/19(P4)50(6X6)	37	50	19	V-6	4"BSP		270	243	209	179	**146**	105
OSP-60/20(P4)50(6X6)	37	50	20	V-6	4"BSP		284	256	220	188	**154**	110
OSP-60/21(P4)50(6X6)	37	50	21	V-6	4"BSP		298	269	231	197	**162**	116
OSP-60/22(P4)50(6X6)	45	60	22	V-6	4"BSP		312	282	242	207	**169**	121
OSP-60/24(P4)50(6X6)	45	60	24	V-6	4"BSP		341	307	264	226	**185**	132
OSP-60/26(P4)50(8X6)	55	75	26	V-8	4"BSP		369	333	286	244	**200**	143
OSP-60/28(P4)50(8X6)	55	75	28	V-8	4"BSP		398	358	308	263	**216**	154
OSP-60/30(P4)50(8X6)	55	75	30	V-8	4"BSP		426	384	330	282	**231**	165

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-60/1-A(P4)50(4x6)	1-A	V-4	1.5	393	145		7.45	97
OSP-60/1(P4)50(4x6)	1	V-4	2.2	393	147	152	7.45	97
OSP-60/2-B(P4)50(4x6)	2-B	V-4	3.0	506	147	152	9.81	97
OSP-60/2(P4)50(6X6)	2	V-6	4.0	506	147	152	10.58	144
OSP-60/3(P4)50(6X6)	3	V-6	5.5	619	147	152	12.94	144
OSP-60/4(P4)50(6X6)	4	V-6	7.5	732	147	152	15.30	144
OSP-60/5(P4)50(6X6)	5	V-6	9.3	845	147	152	17.66	144
OSP-60/6(P4)50(6X6)	6	V-6	11.0	958	147	152	20.03	144
OSP-60/7(P4)50(6X6)	7	V-6	13.0	1071	147	152	22.39	144
OSP-60/8-B(P4)50(6X6)	8-B	V-6	13.0	1184	147	152	24.75	144
OSP-60/8(P4)50(6X6)	8	V-6	15.0	1184	147	152	24.75	144
OSP-60/9-B(P4)50(6X6)	9-B	V-6	15.0	1297	147	152	27.11	144
OSP-60/9(P4)50(6X6)	9	V-6	18.5	1297	147	152	27.11	144
OSP-60/10(P4)50(6X6)	10	V-6	18.5	1410	147	152	29.47	144
OSP-60/11(P4)50(6X6)	11	V-6	22.0	1523	147	152	31.84	144
OSP-60/12(P4)50(6X6)	12	V-6	22.0	1636	147	152	34.20	144
OSP-60/13(P4)50(6X6)	13	V-6	26.0	1749	147	152	36.56	144
OSP-60/14(P4)50(6X6)	14	V-6	26.0	1862	147	152	38.92	144
OSP-60/15(P4)50(6X6)	15	V-6	26.0	1975	147	152	41.28	144
OSP-60/16(P4)50(6X6)	16	V-6	30.0	2088	188	188	43.65	144
OSP-60/17(P4)50(6X6)	17	V-6	30.0	2201	188	188	46.01	144
OSP-60/18(P4)50(6X6)	18	V-6	37.0	2314	188	188	48.37	144
OSP-60/19(P4)50(6X6)	19	V-6	37.0	2427	188	188	50.73	144
OSP-60/20(P4)50(6X6)	20	V-6	37.0	2540	188	188	53.09	144
OSP-60/21(P4)50(6X6)	21	V-6	37.0	2653	188	188	55.46	144
OSP-60/22(P4)50(6X6)	22	V-6	45.0	2766	188	188	57.82	144
OSP-60/24(P4)50(6X6)	24	V-6	45.0	2992	188	188	62.54	144
OSP-60/26(P4)50(8X6)	26	V-8	55.0	3253	188	188	73.37	189
OSP-60/28(P4)50(8X6)	28	V-8	55.0	3479	188	188	78.09	189
OSP-60/30(P4)50(8X6)	30	V-8	55.0	3705	188	188	82.82	189

FIGURE



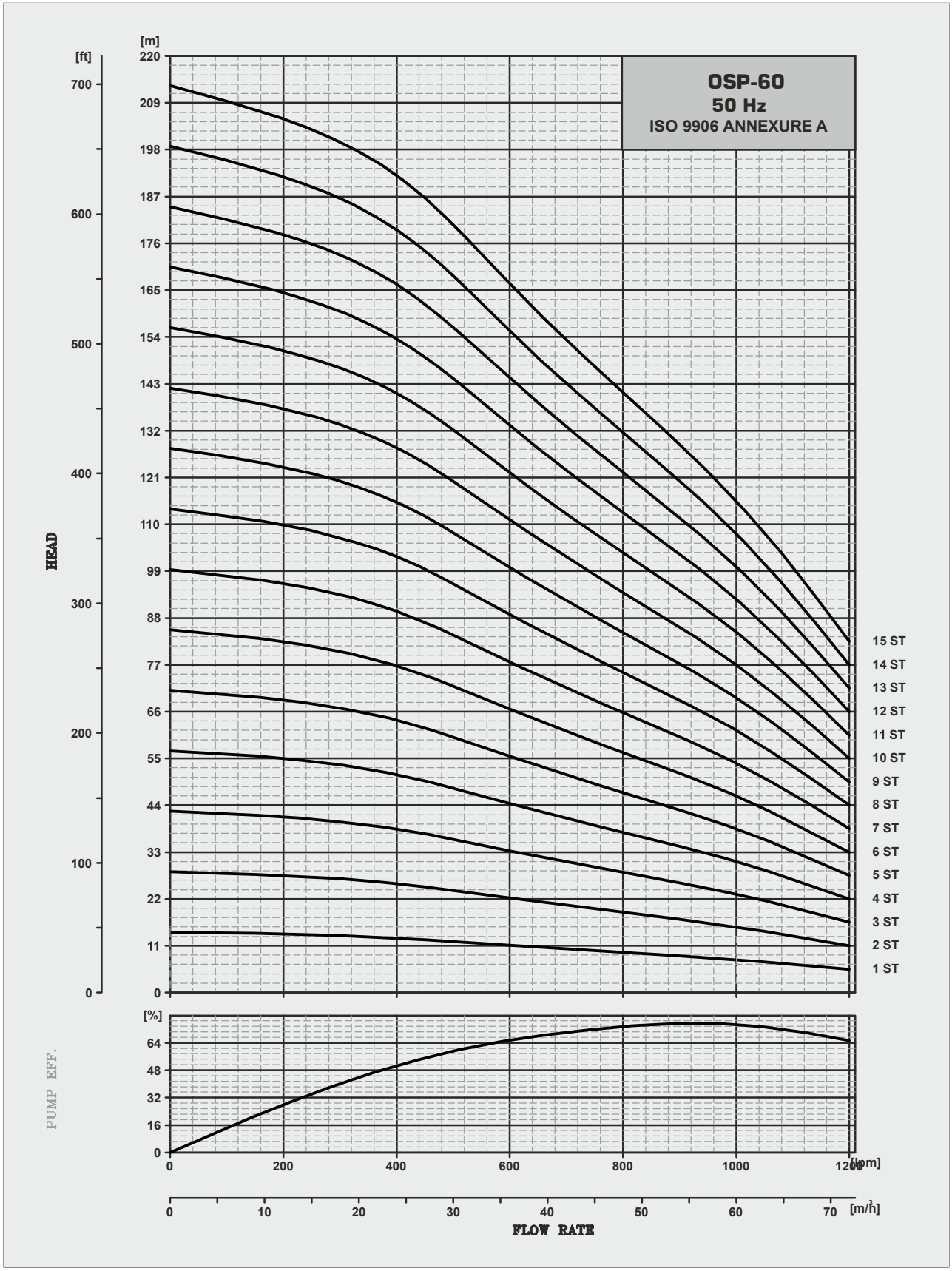
FROM : 1 STAGE TO 3 STAGE ALSO AVAILABLE WITH 4" MOTOR JOINING (4X6)

FROM : 16 STAGE TO 24 STAGE ALSO AVAILABLE WITH 6" MOTOR JOINING (6X6)

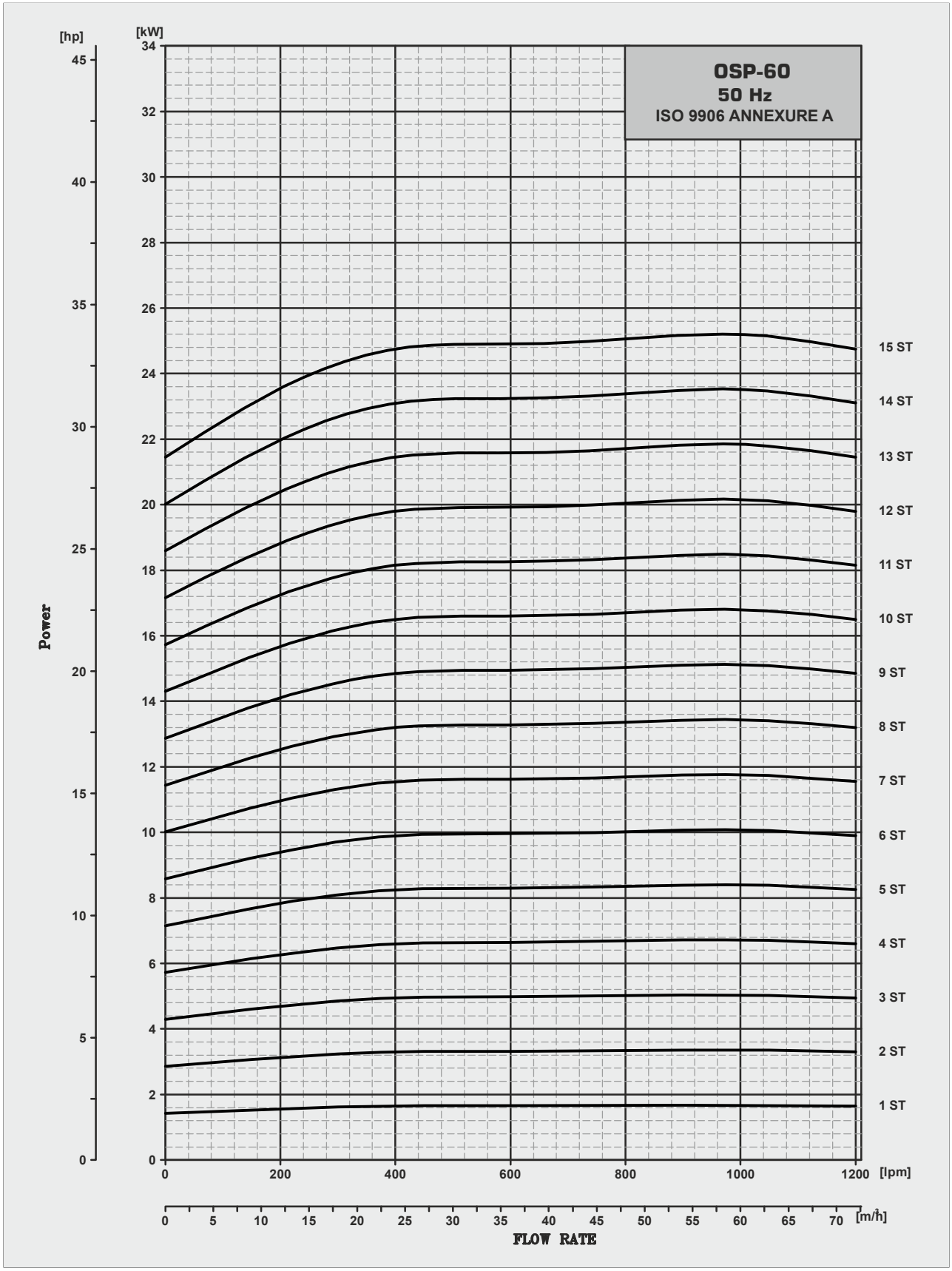
NOTE- (S) =MEANS PUMP WITH SLEEVE (EXTERNAL JACKET)

* MAX.DIA OF PUMP WITH ONE MOTOR CABLE
** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

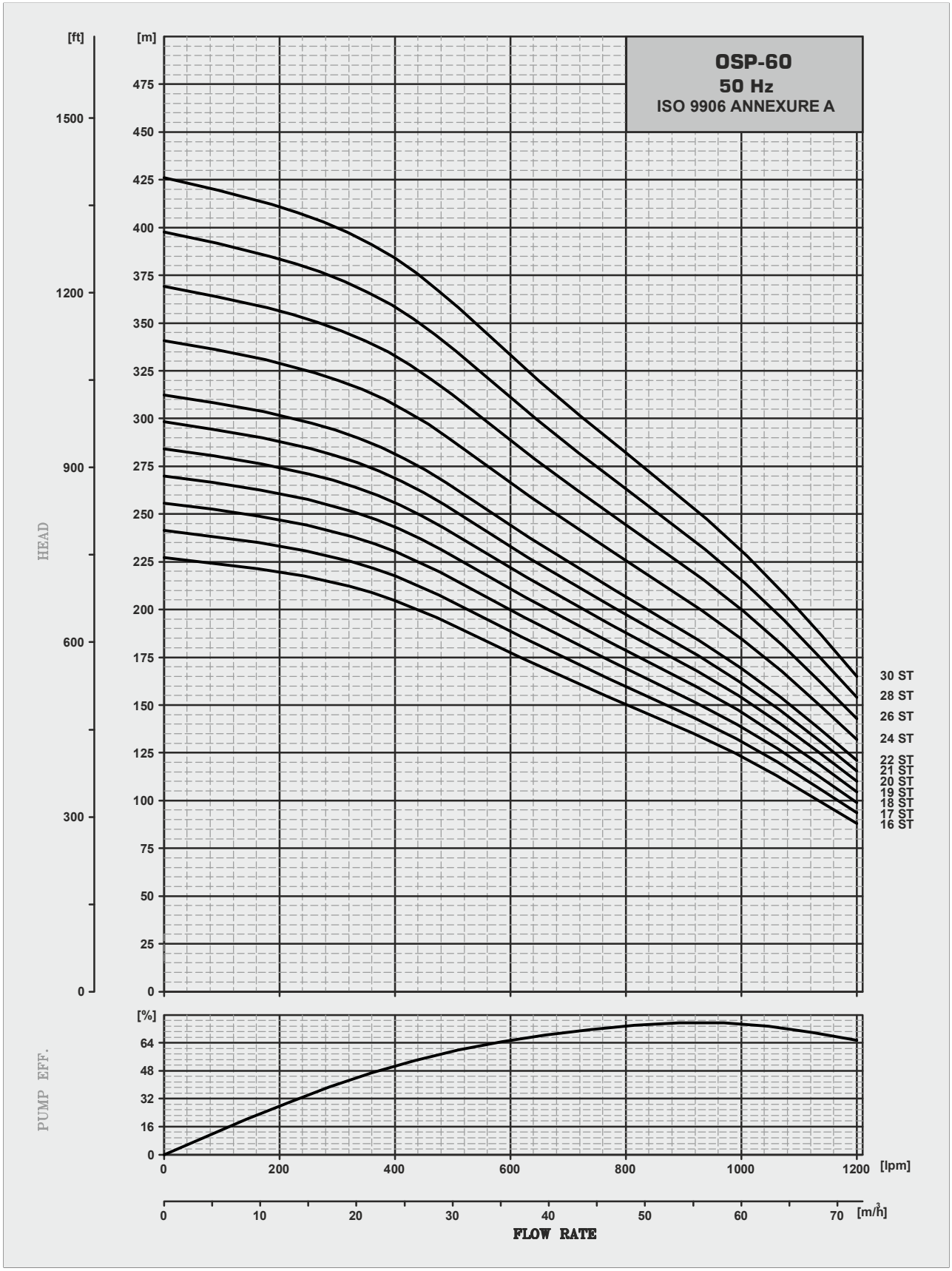
Performance Curves



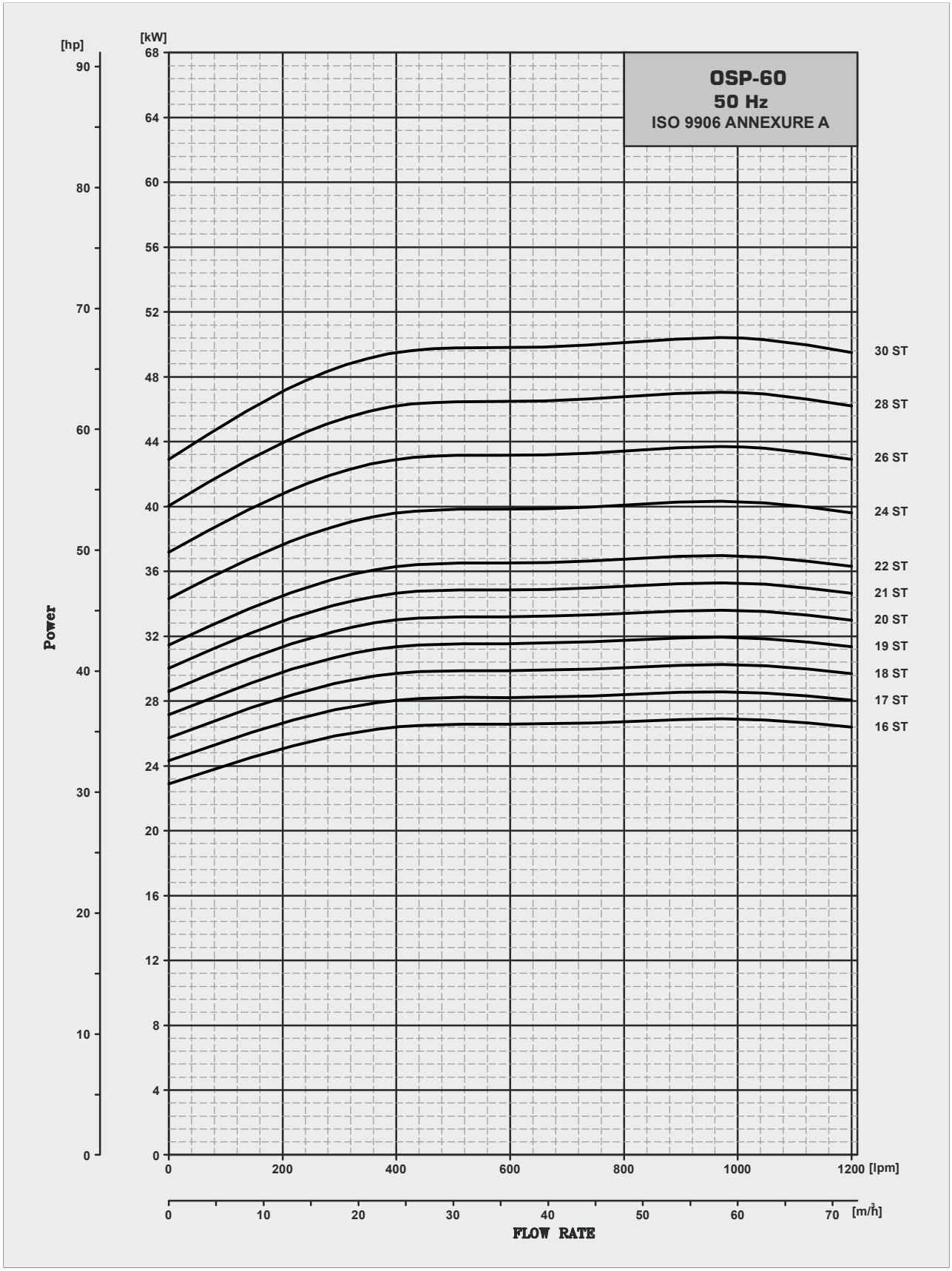
Power Curves



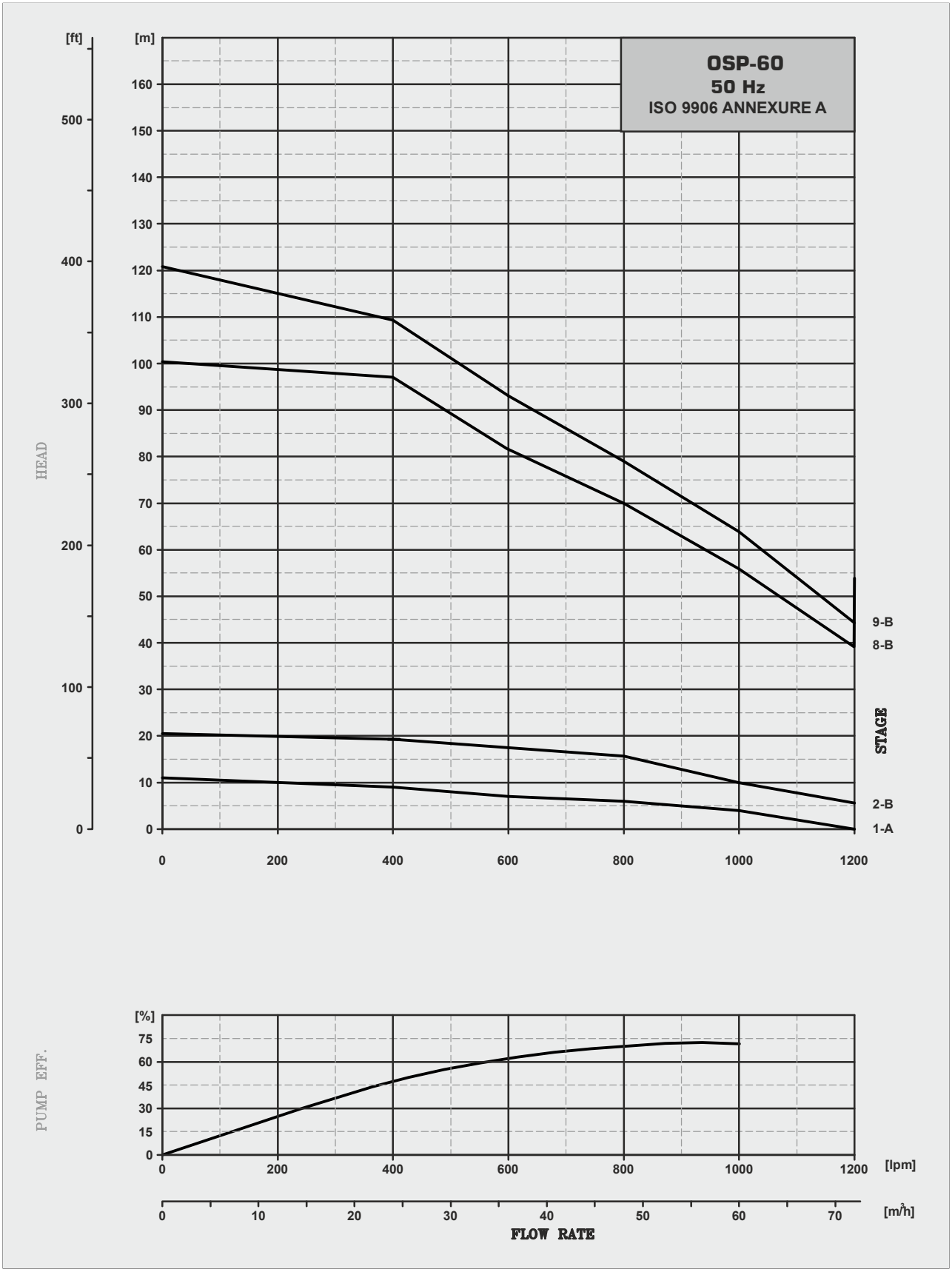
Performance Curves



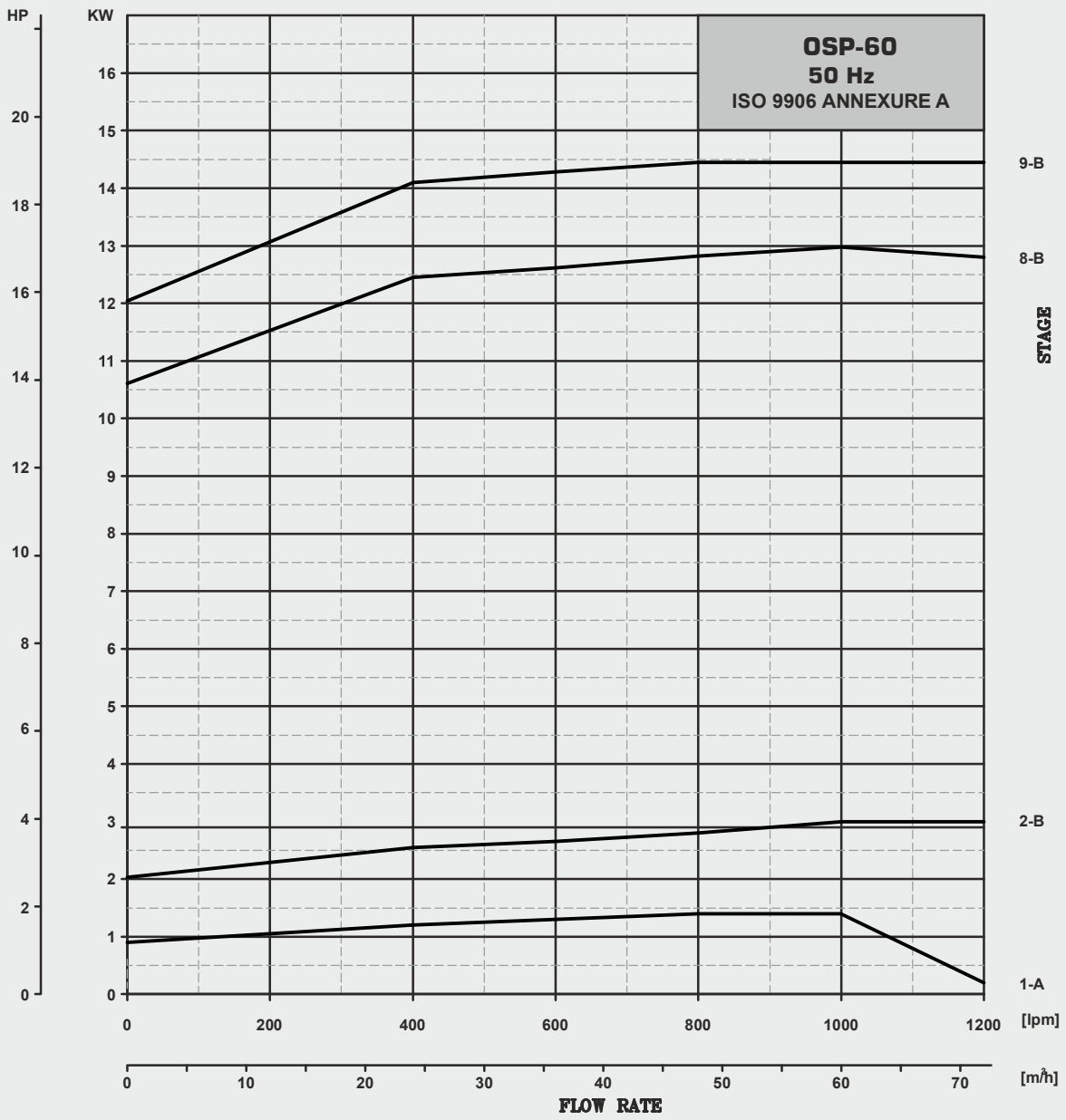
Power Curves



Performance Curves



Power Curves



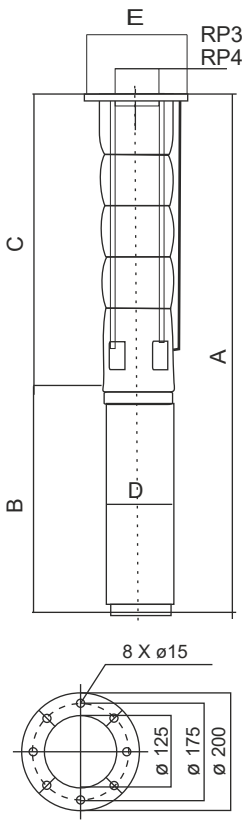
Performance Table

Submersible Pump OSP-40

MODEL OSP-40	K.W.	H.P.	Stage	Motor Joining	Out let Size	Discharge						
						M^3/H	0	18	31.5	40.5	48	63
						(LPM)	0	300	525	675	800	1050
OSP-40/3(P4)50(6X6)	4.0	5.5	3	V-6	4"BSP	HEAD IN METERS	33	30	26	23	18	6
OSP-40/4(P4)50(6X6)	5.5	7.5	4	V-6	4"BSP		44	40	35	30	24	8
OSP-40/5(P4)50(6X6)	7.5	10	5	V-6	4"BSP		56	51	44	38	30	10
OSP-40/6(P4)50(6X6)	7.5	10	6	V- 6	4"BSP		67	61	52	46	36	11
OSP-40/7(P4)50(6X6)	9.3	12.5	7	V- 6	4"BSP		78	71	61	53	42	13
OSP-40/8(P4)50(6X6)	11	15	8	V-6	4"BSP		89	81	70	61	48	15
OSP-40/9(P4)50(6X6)	11	15	9	V-6	4"BSP		100	91	78	68	54	17
OSP-40/10(P4)50(6X6)	13	17.5	10	V-6	4"BSP		111	101	87	76	60	19
OSP-40/11(P4)50(6X6)	15	20	11	V- 6	4"BSP		122	111	96	84	66	21
OSP-40/12(P4)50(6X6)	15	20	12	V- 6	4"BSP		133	121	104	91	72	23
OSP-40/13(P4)50(6X6)	18.5	25	13	V-6	4"BSP		144	131	113	99	78	25
OSP-40/14(P4)50(6X6)	18.5	25	14	V-6	4"BSP		155	141	122	106	84	27
OSP-40/15(P4)50(6X6)	22	30	15	V-6	4"BSP		167	152	131	114	90	29
OSP-40/16(P4)50(6X6)	22	30	16	V- 6	4"BSP		178	162	139	122	96	30
OSP-40/17(P4)50(6X6)	22	30	17	V- 6	4"BSP		189	172	148	129	102	32
OSP-40/18(P4)50(6X6)	26	35	18	V-6	4"BSP		200	182	157	137	108	34
OSP-40/19(P4)50(6X6)	26	35	19	V-6	4"BSP		211	192	165	144	114	36
OSP-40/20(P4)50(6X6)	26	35	20	V- 6	4"BSP		222	202	174	152	120	38
OSP-40/21(P4)50(6X6)	30	40	21	V- 6	4"BSP		233	212	183	160	126	40
OSP-40/22(P4)50(6X6)	30	40	22	V-6	4"BSP		244	222	191	167	132	42
OSP-40/23(P4)50(6X6)	30	40	23	V-6	4"BSP		255	232	200	175	138	44
OSP-40/23(P4)50(6X6)	30	40	24	V-6	4"BSP		266	242	209	182	144	46

MODEL OSP-40	Stage	MOTOR		PUMP				MOTOR OD
		JOINING MOTOR	POWER (KW)	Length			Weight	
				C	E*	E**	Kg	D
OSP-40/3(P4)50(6X6)	3	V-6	4.0	619	147	152	12.94	144
OSP-40/4(P4)50(6X6)	4	V-6	5.5	732	147	152	15.30	144
OSP-40/5(P4)50(6X6)	5	V-6	7.5	845	147	152	17.66	144
OSP-40/6(P4)50(6X6)	6	V- 6	7.5	958	147	152	20.03	144
OSP-40/7(P4)50(6X6)	7	V- 6	9.3	1071	147	152	22.39	144
OSP-40/8(P4)50(6X6)	8	V-6	11	1184	147	152	24.75	144
OSP-40/9(P4)50(6X6)	9	V-6	11	1297	147	152	27.11	144
OSP-40/10(P4)50(6X6)	10	V-6	13	1410	147	152	29.47	144
OSP-40/11(P4)50(6X6)	11	V- 6	15	1523	147	152	31.84	144
OSP-40/12(P4)50(6X6)	12	V- 6	15	1636	147	152	34.20	144
OSP-40/13(P4)50(6X6)	13	V-6	18.5	1749	147	152	36.56	144
OSP-40/14(P4)50(6X6)	14	V-6	18.5	1862	147	152	38.92	144
OSP-40/15(P4)50(6X6)	15	V-6	22	1975	147	152	41.28	144
OSP-40/16(P4)50(6X6)	16	V- 6	22	2088	147	152	43.65	144
OSP-40/17(P4)50(6X6)	17	V- 6	22	2201	147	152	46.01	144
OSP-40/18(P4)50(6X6)	18	V-6	26	2314	147	152	48.37	144
OSP-40/19(P4)50(6X6)	19	V-6	26	2427	147	152	50.73	144
OSP-40/20(P4)50(6X6)	20	V- 6	26	2540	147	152	53.09	144
OSP-40/21(P4)50(6X6)	21	V- 6	30	2653	147	152	55.46	144
OSP-40/22(P4)50(6X6)	22	V-6	30	2766	147	152	57.82	144
OSP-40/23(P4)50(6X6)	23	V-6	30	2879	147	152	60.18	144
OSP-40/23(P4)50(6X6)	24	V-6	30	2992	147	152	62.54	144

FIGURE



FROM : 3 STAGE TO 4 STAGE ALSO AVAILABLE WITH 4" MOTOR JOINING (4X6)

* MAX.DIA OF PUMP WITH ONE MOTOR CABLE
** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

8"

Submersible Pump

8” Submersible Pump General Data

Construction

Submersible motor and pumps for bore wells of 8” (200 mm)
All sizes of pumps according to the NEMA standard
OSP series pumps are completely made out of AISI 304 stainless steel material .
Mixed flow Model : OSP-77 , OSP-95

Application

For water supply
For irrigation
For civil and industrial applications.
For fire fighting application

General Data

Head range up to 300 meters
Flow range up to 96 M^3/hr.

Operating Condition

Maximum liquid temperature : 45ºc
Maximum quantity of sand 50 gm / m^3
Minimum suction head required : 1.5 meter.
Max. start per hour 30 at regular intervals.
Direction of rotation : clockwise as seen from the pump coupling side.

Special Construction On Request

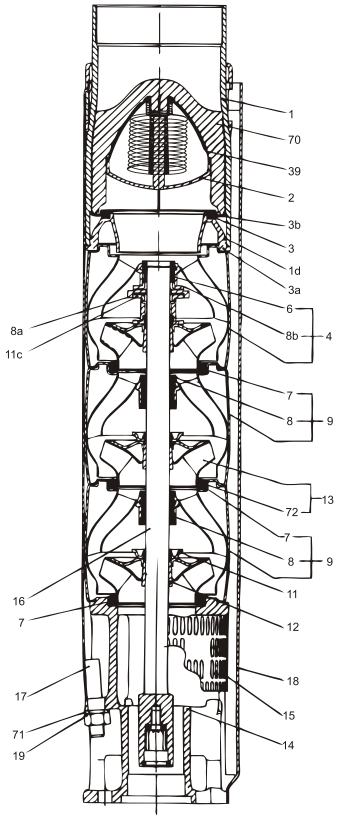
Also available in NPT connection

Material of Construction

MATERIAL SPECIFICATION OSP - 77/95

S.No.	Components	Material	Standard
1	Valve complete	Stainless steel	304
Id	O-ring	NBR	
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel + NBR	
3a	Lower valve seat retainer	Stainless steel	304
4	Top chamber	Stainless steel	304
5	Stop disc	Zinc less bronze	
6	Upper bearing	Stainless steel + NBR	
7	Neck ring	NBR + Stainless Steel	
8	Bearing	NBR	
9	Inter Chamber	Stainless steel	304
11	Split cone nut	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	304
16	Pump shaft	Stainless steel	431
17	Strap	Stainless steel	304
18	Cable Guard	Stainless steel	304
19	Nut	Stainless steel	304
39	Spring for valve cup	Stainless steel	304
70	Valve guide complete	Stainless steel	304
72	Wear ring	Stainless steel	304

Sectional View



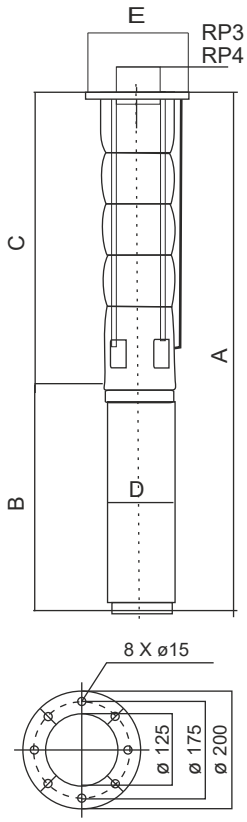
Performance Table

Submersible Pump OSP- 77

MODEL OSP-77	K.W.	H.P.	Stage	Motor joining	Out let Size	Discharge						
						M^3/H	0	48	60	**72**	84	96
						(LPM)	0	800	1000	**1200**	1400	1600
OSP-77/1(P4)50(6X8)	5.5	7.5	1	V-6	5"BSP	HEAD IN METERS	20.0	15.9	14.4	**12.8**	10.8	7.8
OSP-77/2-B(P4)50(6X8)	5.5	7.5	2-B	V-6	5"BSP		33	29	25	**19**	17	15
OSP-77/2(P4)50(6X8)	7.5	10	2	V-6	5"BSP		40	32	29	**26**	22	16
OSP-77/3-B(P4)50(6X8)	9.3	12.5	3-B	V-6	5"BSP		53	41	37	**32**	26	16
OSP-77/3(P4)50(6X8)	11	15	3	V-6	5"BSP		60	48	43	**38**	32	23
OSP-77/4-B(P4)50(6X8)	13	17.5	4-B	V-6	5"BSP		73	57	51	**44**	36	23
OSP-77/4(P4)50(6X8)	15	20	4	V-6	5"BSP		80	64	58	**51**	43	31
OSP-77/5(P4)50(6X8)	18.5	25	5	V-6	5"BSP		100	80	72	**64**	54	39
OSP-77/6(P4)50(6X8)	22	30	6	V-6	5"BSP		120	95	86	**77**	65	47
OSP-77/7(P4)50(6X8)	26	35	7	V-6	5"BSP		140	111	101	**90**	76	55
OSP-77/8-B(P4)50(6X8)	26	35	8-B	V-6	5"BSP		153	120	109	**96**	80	55
OSP-77/8(P4)50(6X8)	30	40	8	V-6	5"BSP		160	127	115	**102**	86	62
OSP-77/9(P4)50(6X8)	30	40	9	V-6	5"BSP		180	143	130	**115**	97	70
OSP-77/10(P4)50(6X8)	37	50	10	V-6	5"BSP		200	159	144	**128**	108	78
OSP-77/11(P4)50(6X8)	37	50	11	V-6	5"BSP		220	175	158	**141**	119	86
OSP-77/12(P4)50(6X8)	45	60	12	V-6	5"BSP		240	191	173	**154**	130	94
OSP-77/13(P4)50(8X8)	55	75	13	V-8	5"BSP		260	207	187	**166**	140	101
OSP-77/14(P4)50(8X8)	55	75	14	V-8	5"BSP		280	223	202	**179**	151	109
OSP-77/15(P4)50(8X8)	55	75	15	V-8	5"BSP		300	239	216	**192**	162	117
OSP-77/16(P4)50(8X8)	67	90	16	V-8	5"BSP		320	254	230	**205**	173	125
OSP-77/17(P4)50(8X8)	67	90	17	V-8	5"BSP		340	270	245	**218**	184	133
OSP-77/18(P4)50(8X8)	67	90	18	V-8	5"BSP		360	286	259	**230**	194	140
OSP-77/19(P4)50(8X8)	75	100	19	V-8	5"BSP		380	302	274	**243**	205	148
OSP-77/20(P4)50(8X8)	75	100	20	V-8	5"BSP		400	318	288	**256**	216	156
OSP-77/21(P4)50(8X8)	75	100	21	V-8	5"BSP		420	334	302	**269**	227	164
OSP-77/22(P4)50(8X8)	93	125	22	V-8	5"BSP		440	350	317	**282**	238	172

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-77/1(P4)50(6X8)	1	V-6	5.5	610	200	200	19.011	144
OSP-77/2-B(P4)50(6X8)	2-B	V-6	5.5	738	200	200	22.711	144
OSP-77/2(P4)50(6X8)	2	V-6	7.5	738	200	200	22.711	144
OSP-77/3-B(P4)50(6X8)	3-B	V-6	9.3	866	200	200	26.411	144
OSP-77/3(P4)50(6X8)	3	V-6	11.0	866	200	200	26.411	144
OSP-77/4-B(P4)50(6X8)	4-B	V-6	13.0	994	200	200	30.111	144
OSP-77/4(P4)50(6X8)	4	V-6	15.0	994	200	200	30.111	144
OSP-77/5(P4)50(6X8)	5	V-6	18.5	1122	200	200	33.811	144
OSP-77/6(P4)50(6X8)	6	V-6	22.0	1250	200	200	37.511	144
OSP-77/7(P4)50(6X8)	7	V-6	26.0	1378	200	200	41.211	144
OSP-77/8-B(P4)50(6X8)	8-B	V-6	26.0	1506	200	200	44.911	144
OSP-77/8(P4)50(6X8)	8	V-6	30.0	1506	200	200	44.911	144
OSP-77/9(P4)50(6X8)	9	V-6	30.0	1634	200	200	48.611	144
OSP-77/10(P4)50(6X8)	10	V-6	37.0	1762	205	205	52.311	144
OSP-77/11(P4)50(6X8)	11	V-6	37.0	1890	205	205	56.011	144
OSP-77/12(P4)50(6X8)	12	V-6	45.0	2018	205	205	59.711	144
OSP-77/13(P4)50(8X8)	13	V-8	55.0	2176	205	205	67.03	189
OSP-77/14(P4)50(8X8)	14	V-8	55.0	2304	205	205	70.73	189
OSP-77/15(P4)50(8X8)	15	V-8	55.0	2432	205	205	74.43	189
OSP-77/16(P4)50(8X8)	16	V-8	67.0	2560	205	205	78.13	189
OSP-77/17(P4)50(8X8)	17	V-8	67.0	2688	205	205	81.83	189
OSP-77/18(P4)50(8X8)	18	V-8	67.0	2816	205	205	85.53	189
OSP-77/19(P4)50(8X8)	19	V-8	75.0	2944	205	205	89.23	189
OSP-77/20(P4)50(8X8)	20	V-8	75.0	3072	205	205	92.93	189
OSP-77/21(P4)50(8X8)	21	V-8	75.0	3200	205	205	96.63	189
OSP-77/22(P4)50(8X8)	22	V-8	93.0	3328	205	205	100.33	189

FIGURE

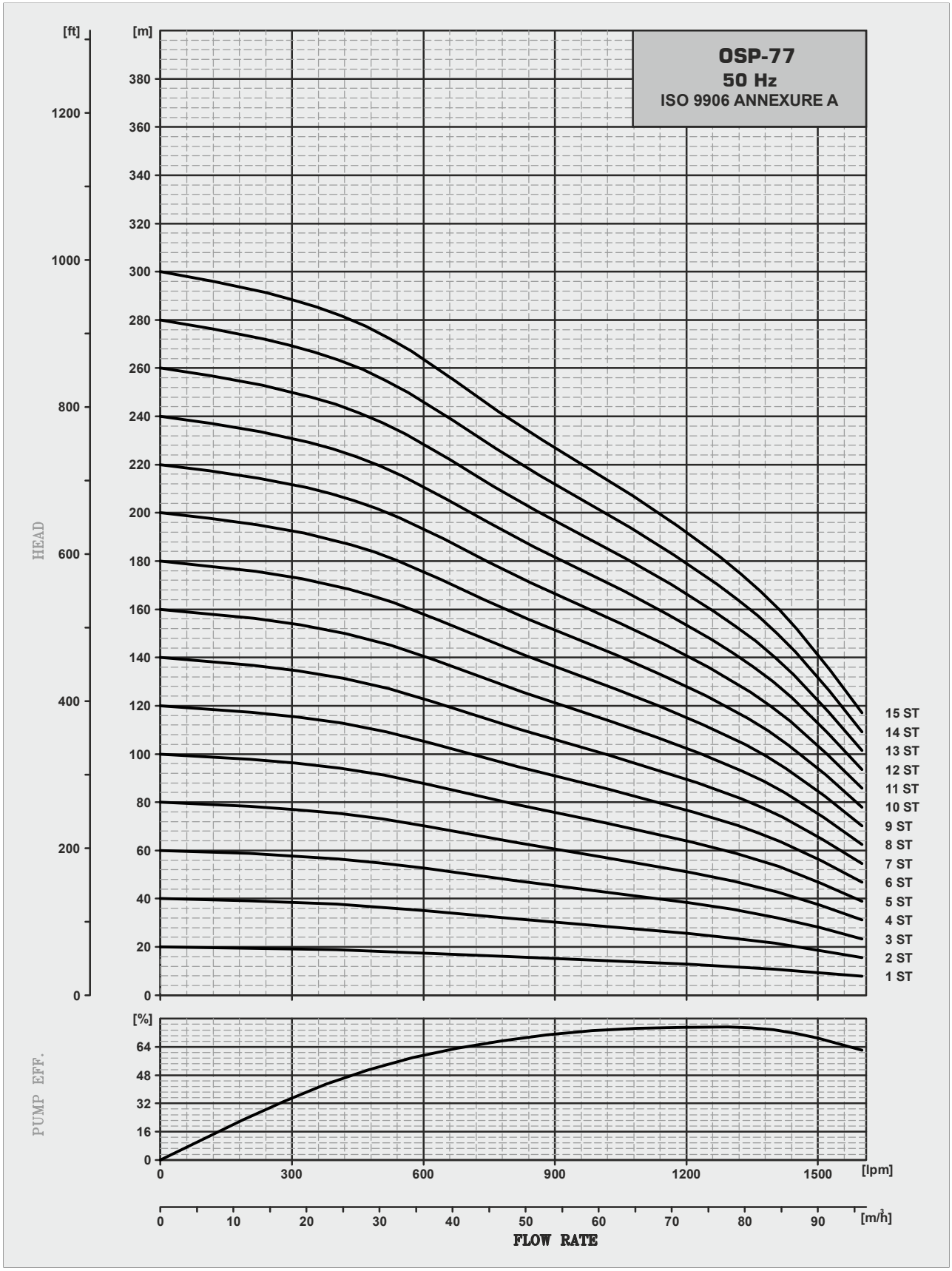


FROM : 1 STAGE TO 12 STAGE ALSO AVAILABLE WITH 8" MOTOR JOINING (8X8)

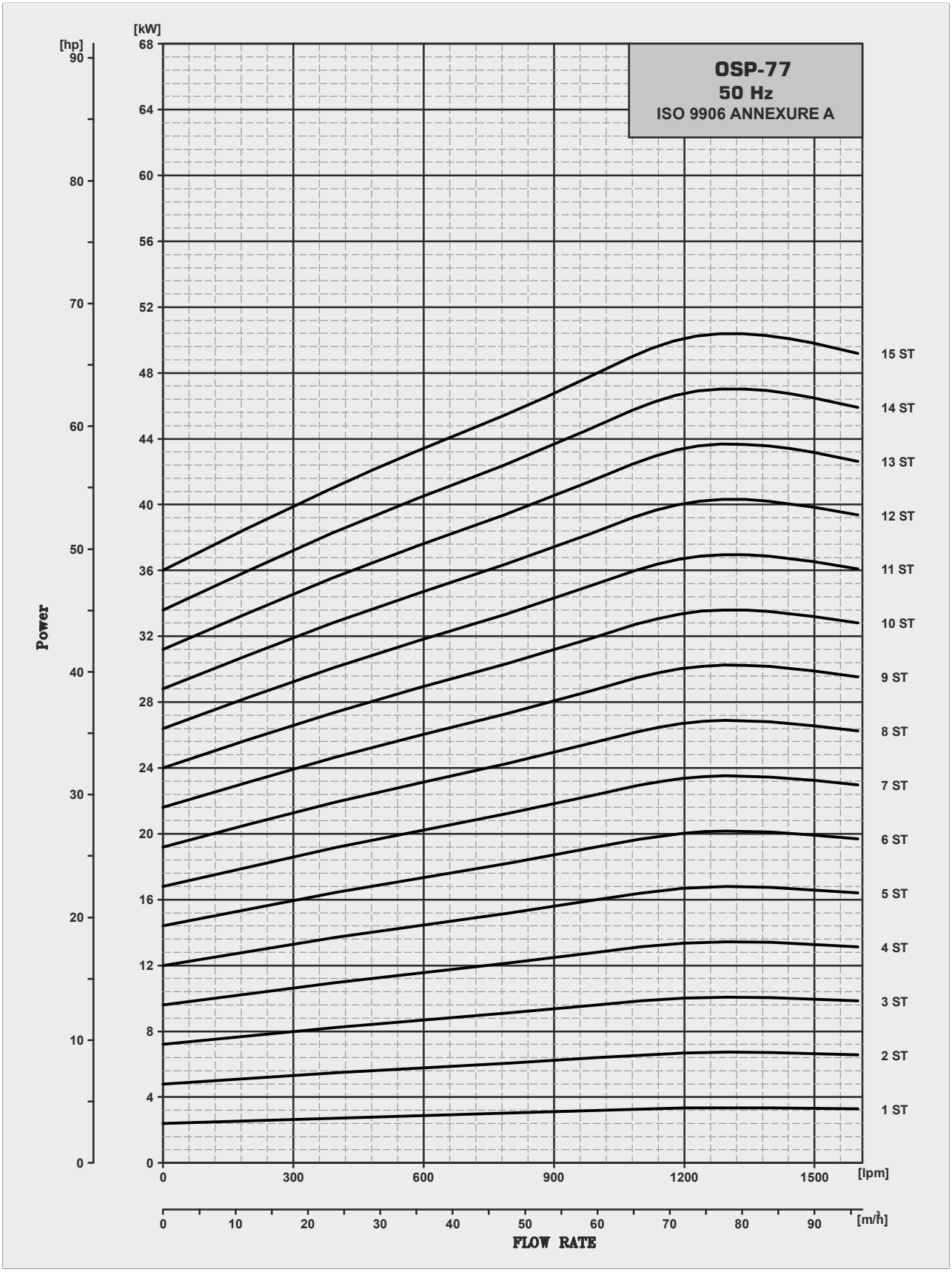
* MAX.DIA OF PUMP WITH ONE MOTOR CABLE

** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

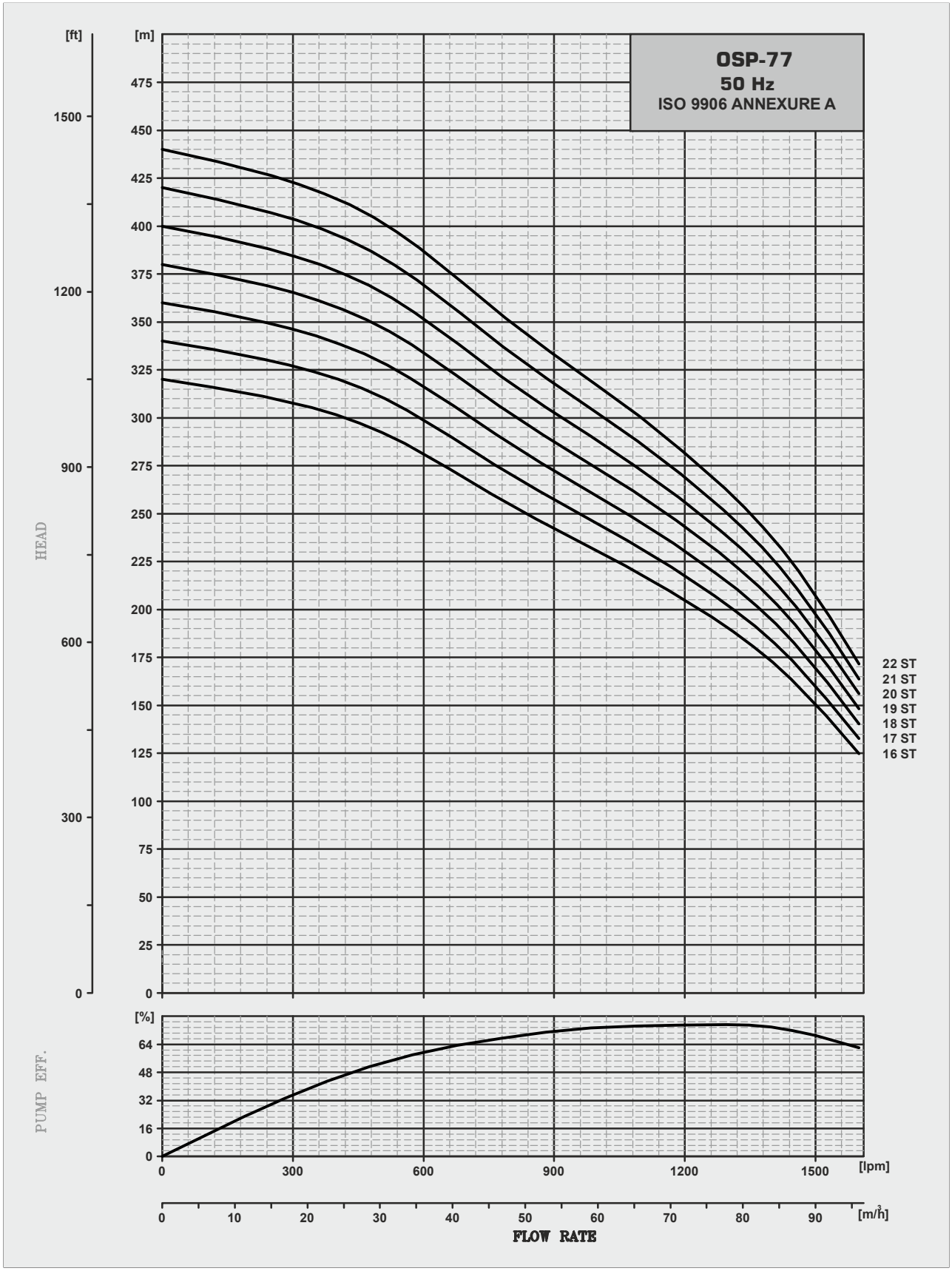
Performance Curves



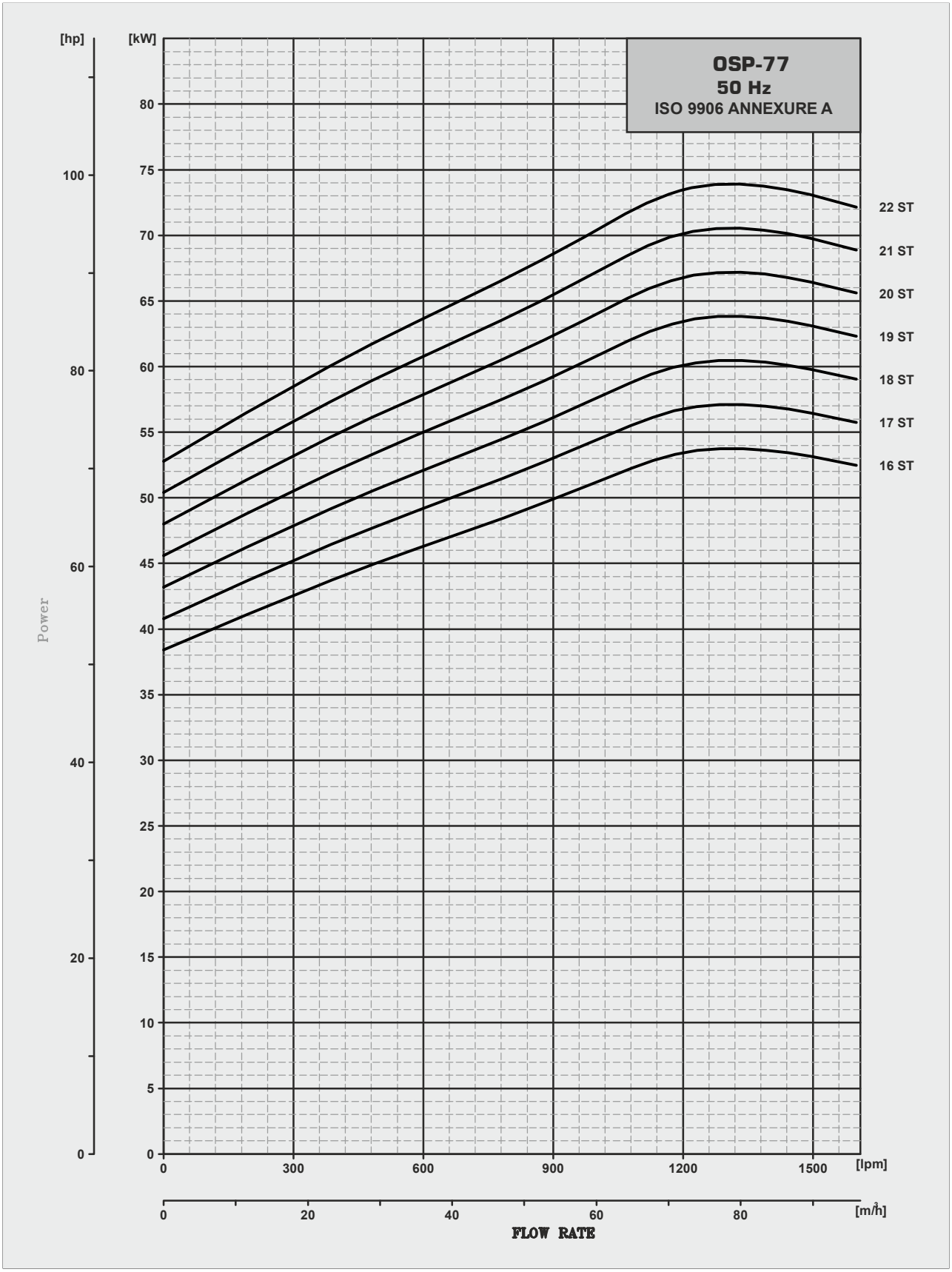
Power Curves



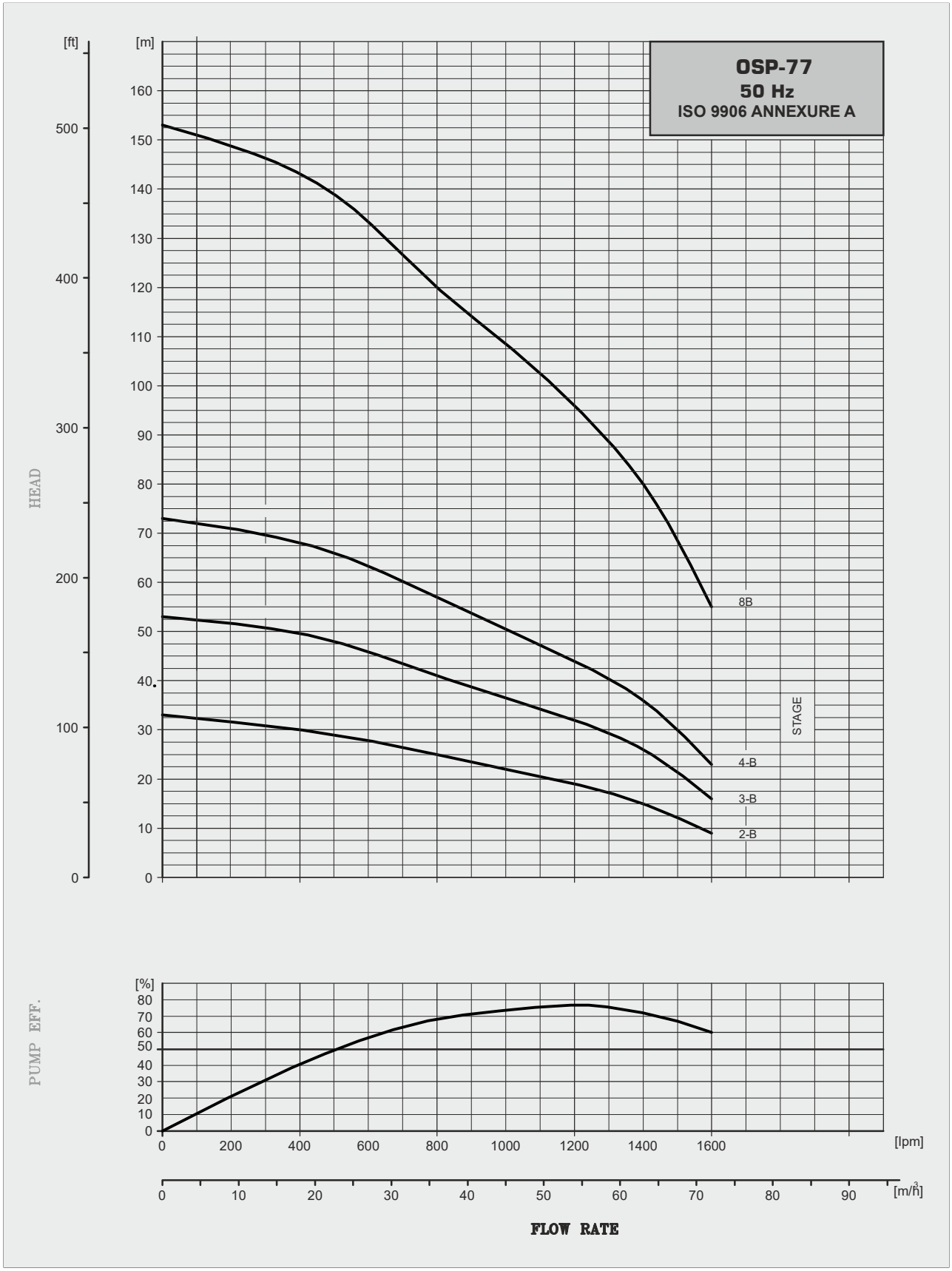
Performance Curves



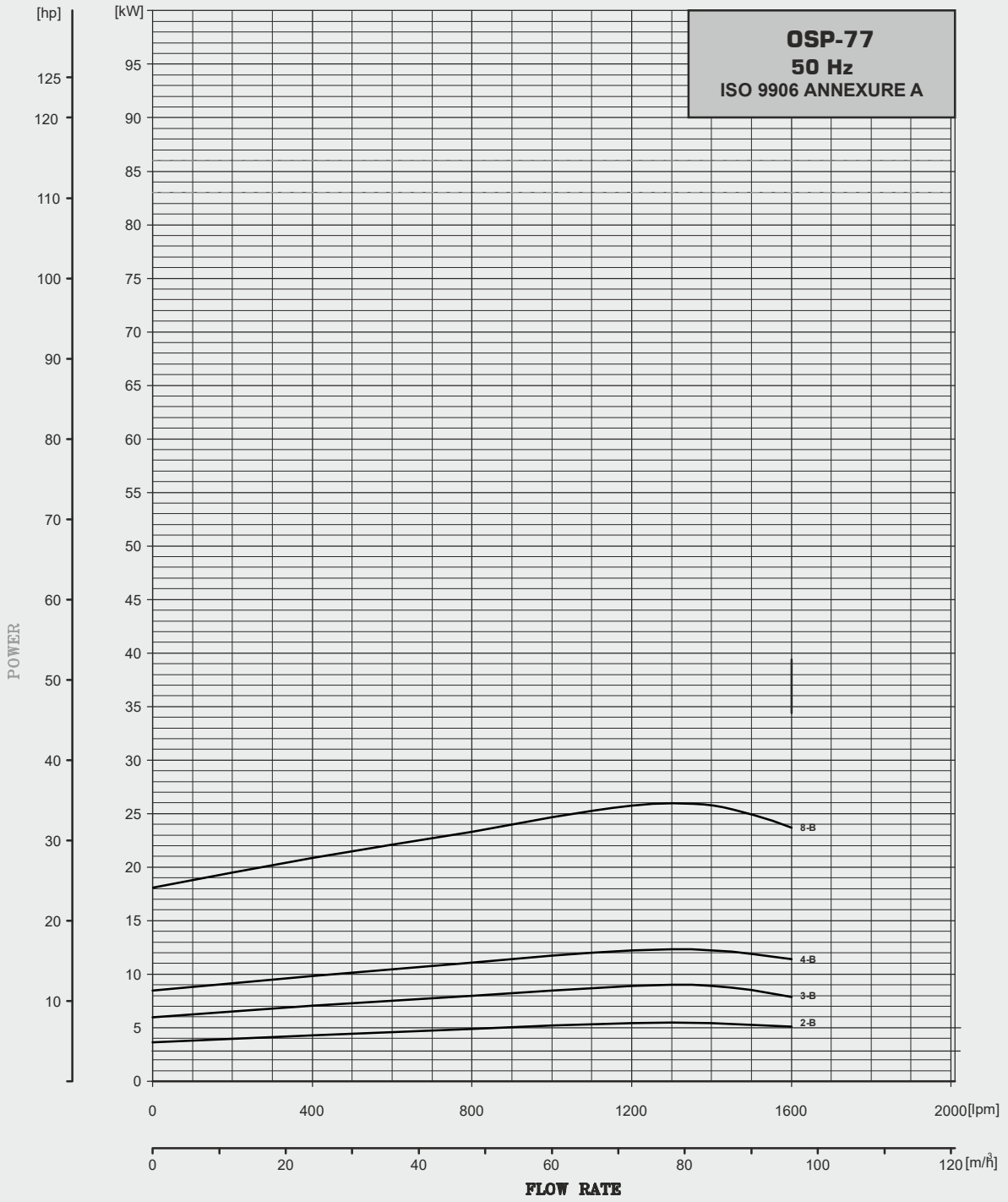
Power Curves



Performance Curves



Power Curves



Performance Table

Submersible Pump OSP- 95

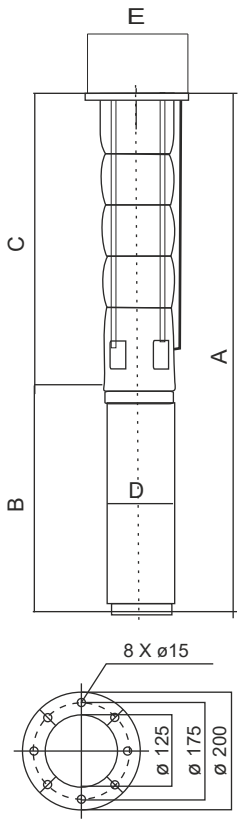
MODEL OSP-95	K.W.	H.P.	Stage	Motor Joining	Out let Size	Discharge						
						M^3/H	0	48	72	**96**	108	120
						(LPM)	0	800	1200	**1600**	1800	2000
OSP-95/1(P4)50(6X8)	5.5	7.5	1	V-6	5"BSP	HEAD IN METERS	21.4	17.3	14.8	**11.8**	9.7	6.7
OSP-95/2-BB(P4)50(6X8)	5.5	7.5	2-BB	V-6	5"BSP		27	22	19	**12**	6	2
OSP-95/2-A(P4)50(6X8)	7.5	10	2-A	V-6	5"BSP		39	29	25	**20**	15	9
OSP-95/2(P4)50(6X8)	9.3	12.5	2	V-6	5"BSP		43	35	30	**24**	19	13
OSP-95/3-BB(P4)50(6X8)	9.3	12.5	3-BB	V-6	5"BSP		48	39	34	**24**	16	7
OSP-95/3-B(P4)50(6X8)	11	15	3-B	V-6	5"BSP		57	46	40	**30**	22	13
OSP-95/3(P4)50(6X8)	13	17.5	3	V-6	5"BSP		64	52	44	**35**	29	20
OSP-95/4-B(P4)50(6X8)	15	20	4-B	V-6	5"BSP		78	63	54	**41**	32	20
OSP-95/4(P4)50(6X8)	18.5	25	4	V-6	5"BSP		86	69	59	**47**	39	27
OSP-95/5-AB(P4)50(6X8)	18.5	25	5-AB	V-6	5"BSP		95	75	64	**49**	37	20
OSP-95/5(P4)50(6X8)	22	30	5	V-6	5"BSP		107	87	74	**59**	49	34
OSP-95/6(P4)50(6X8)	26	35	6	V-6	5"BSP		128	104	89	**71**	58	40
OSP-95/7(P4)50(6X8)	30	40	7	V-6	5"BSP		150	121	104	**83**	68	47
OSP-95/8(P4)50(6X8)	37	50	8	V-6	5"BSP		171	138	118	**94**	78	54
OSP-95/9(P4)50(6X8)	37	50	9	V-6	5"BSP		193	156	133	**106**	87	60
OSP-95/10(P4)50(6X8)	45	60	10	V-6	5"BSP		214	173	148	**118**	97	67
OSP-95/11(P4)50(8X8)	55	75	11	V-8	5"BSP		235	190	163	**130**	107	74
OSP-95/12(P4)50(8X8)	55	75	12	V-8	5"BSP		257	208	178	**142**	116	80
OSP-95/13(P4)50(8X8)	55	75	13	V-8	5"BSP		278	225	192	**153**	126	87
OSP-95/14(P4)50(8X8)	67	90	14	V-8	5"BSP		300	242	207	**165**	136	94
OSP-95/15(P4)50(8X8)	75	100	15	V-8	5"BSP		321	260	222	**177**	146	101
OSP-95/16(P4)50(8X8)	75	100	16	V-8	5"BSP		342	277	237	**189**	155	107
OSP-95/17(P4)50(8X8)	75	100	17	V-8	5"BSP		364	294	252	**201**	165	114
OSP-95/18(P4)50(8X8)	93	125	18	V-8	5"BSP		385	311	266	**212**	175	121
OSP-95/19(P4)50(8X8)	93	125	19	V-8	5"BSP		407	329	281	**224**	184	127
OSP-95/20(P4)50(8X8)	93	125	20	V-8	5"BSP		428	346	296	**236**	194	134

Technical Data

Submersible Pump OSP- 95

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-95/1(P4)50(6X8)	1	V-6	5.5	610	200	200	19.011	144
OSP-95/2-BB(P4)50(6X8)	2-BB	V-6	5.5	738	200	200	22.711	144
OSP-95/2-A(P4)50(6X8)	2-A	V-6	7.5	738	200	200	22.711	144
OSP-95/2(P4)50(6X8)	2	V-6	9.3	738	200	200	22.711	144
OSP-95/3-BB(P4)50(6X8)	3-BB	V-6	9.3	886	200	200	26.411	144
OSP-95/3-B(P4)50(6X8)	3-B	V-6	11.0	886	200	200	26.411	144
OSP-95/3(P4)50(6X8)	3	V-6	13.0	886	200	200	26.411	144
OSP-95/4-B(P4)50(6X8)	4-B	V-6	15.0	994	200	200	30.111	144
OSP-95/4(P4)50(6X8)	4	V-6	18.5	994	200	200	30.111	144
OSP-95/5-AB(P4)50(6X8)	5-AB	V-6	18.5	1122	200	200	33.811	144
OSP-95/5(P4)50(6X8)	5	V-6	22.0	1122	200	200	33.811	144
OSP-95/6(P4)50(6X8)	6	V-6	26.0	1250	200	200	37.511	144
OSP-95/7(P4)50(6X8)	7	V-6	30.0	1378	200	200	41.211	144
OSP-95/8(P4)50(6X8)	8	V-6	37.0	1506	200	200	44.911	144
OSP-95/9(P4)50(6X8)	9	V-6	37.0	1634	200	200	48.611	144
OSP-95/10(P4)50(6X8)	10	V-6	45.0	1762	200	200	52.311	144
OSP-95/11(P4)50(8X8)	11	V-8	55.0	1920	205	205	59.63	189
OSP-95/12(P4)50(8X8)	12	V-8	55.0	2048	205	205	63.33	189
OSP-95/13(P4)50(8X8)	13	V-8	55.0	2176	205	205	67.03	189
OSP-95/14(P4)50(8X8)	14	V-8	67.0	2304	205	205	70.73	189
OSP-95/15(P4)50(8X8)	15	V-8	75.0	2432	205	205	74.43	189
OSP-95/16(P4)50(8X8)	16	V-8	75.0	2560	205	205	78.13	189
OSP-95/17(P4)50(8X8)	17	V-8	75.0	2688	205	205	81.83	189
OSP-95/18(P4)50(8X8)	18	V-8	93.0	2816	205	205	85.53	189
OSP-95/19(P4)50(8X8)	19	V-8	93.0	2944	205	205	89.23	189
OSP-95/20(P4)50(8X8)	20	V-8	93.0	3072	205	205	92.93	189

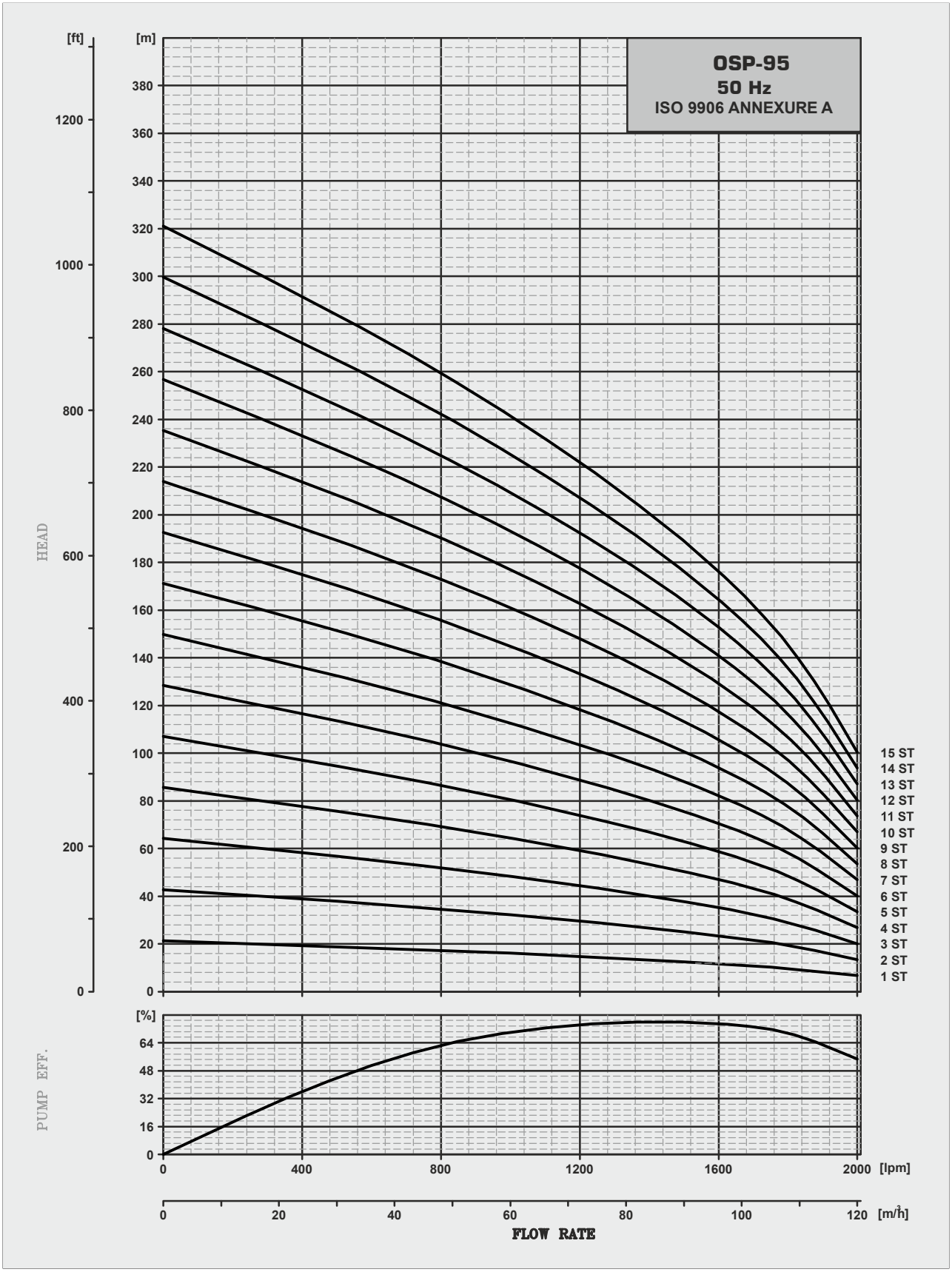
FIGURE



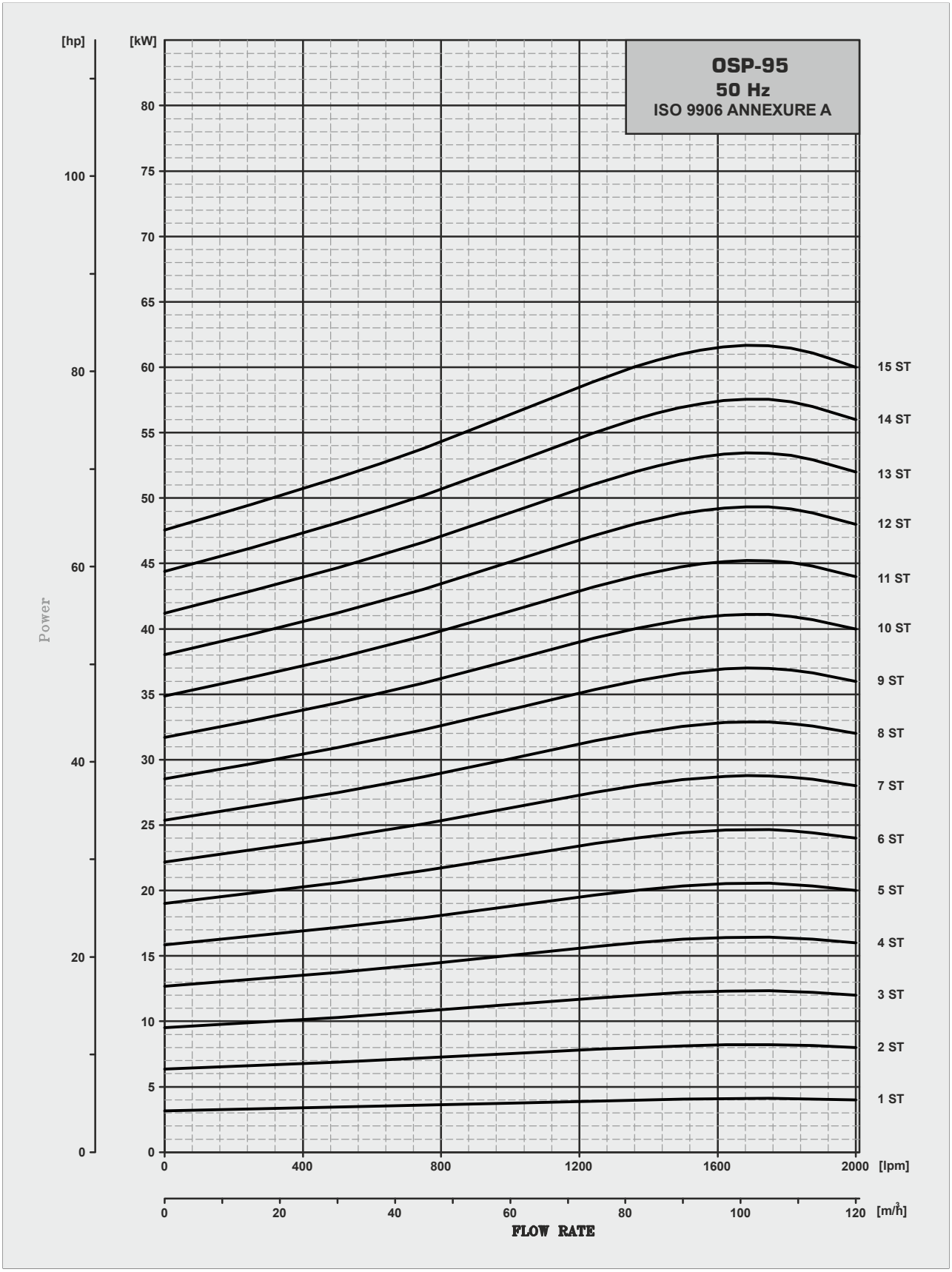
FROM : 1 STAGE TO 10 STAGE ALSO AVAILABLE WITH 8" MOTOR JOINING (8X8)

* MAX.DIA OF PUMP WITH ONE MOTOR CABLE
** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

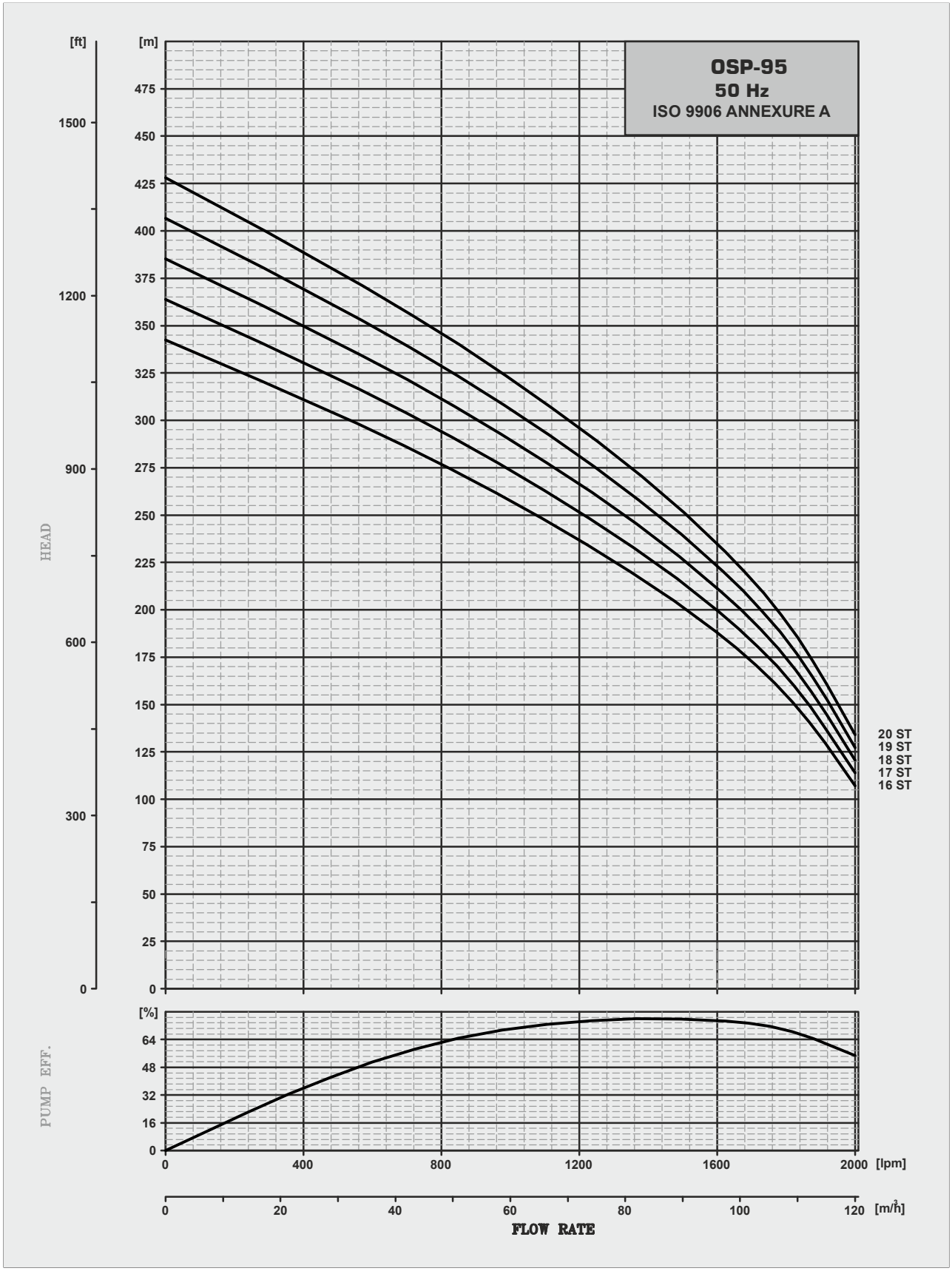
Performance Curves



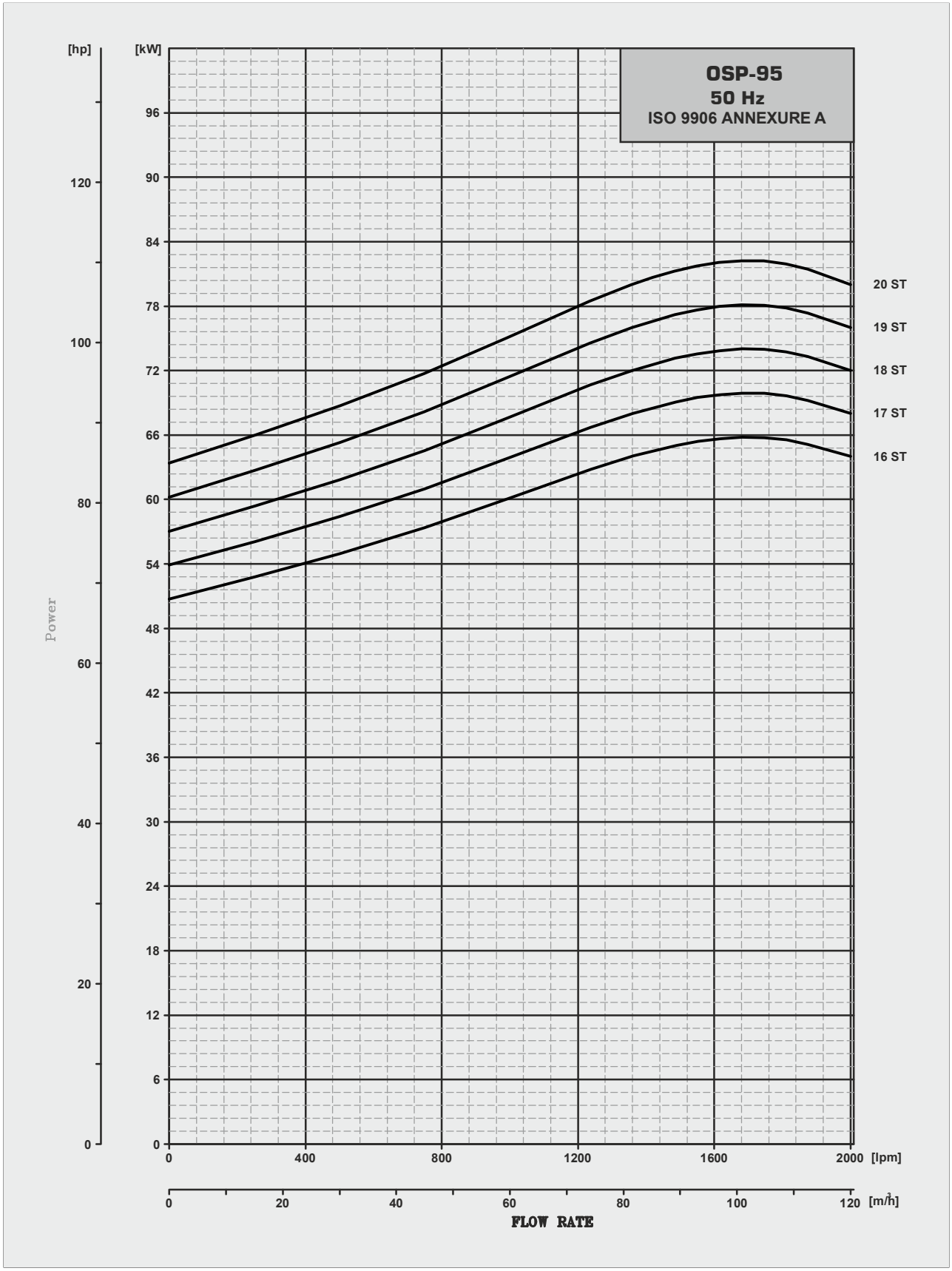
Power Curves



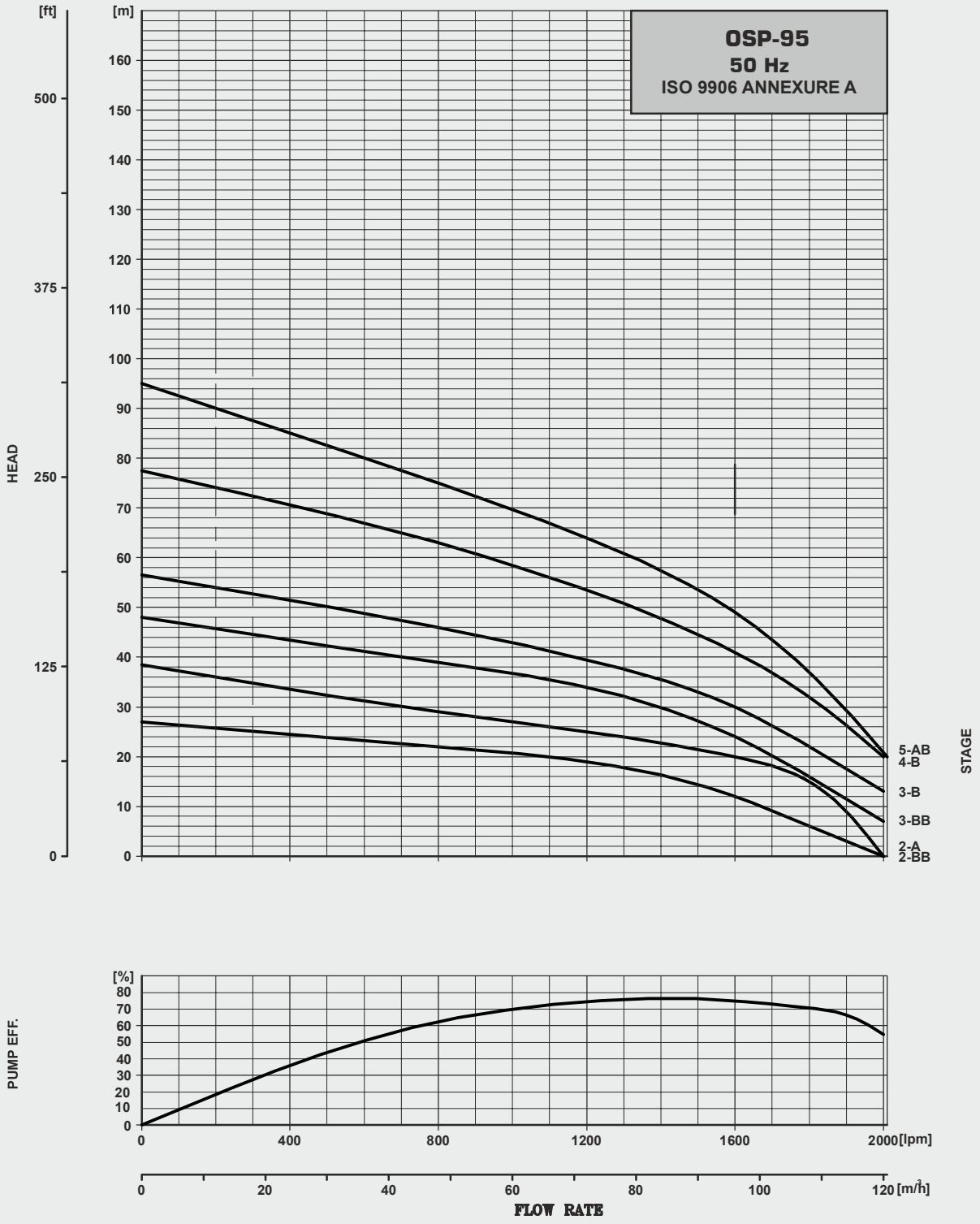
Performance Curves



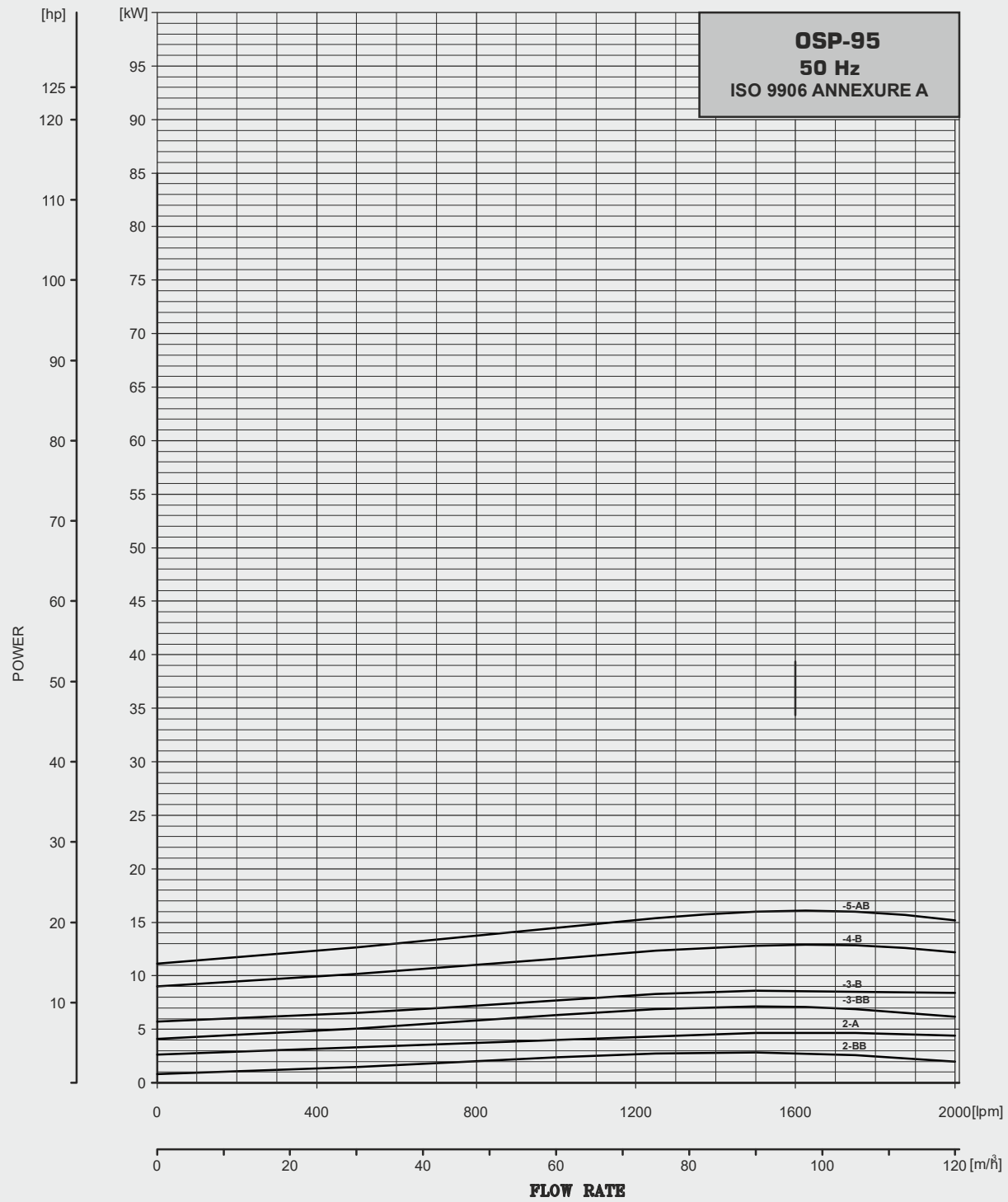
Power Curves



Performance Curves



Power Curves



10”
Submersible Pump

10” Submersible Pump General Data

Construction

Submersible motor and pumps for bore wells of 10” (250 mm)
All sizes of pumps according to the NEMA standard
OSP series pumps are completely made out of AISI 304 stainless steel material.
Mixed flow Model : OSP-125 , OSP-160

Application

For water supply
For irrigation
For civil and industrial applications.
For fire fighting application

General Data

Head range up to 340 meters
Flow range up to 162 M^3/hr.

Operating Condition

Maximum liquid temperature : 45ºc
Maximum quantity of sand 50 gm / m^3
Minimum suction head required : 1.5 meter.
Max. start per hour 30 at regular intervals.
Direction of rotation : clockwise as seen from the pump coupling side.

Special Construction On Request

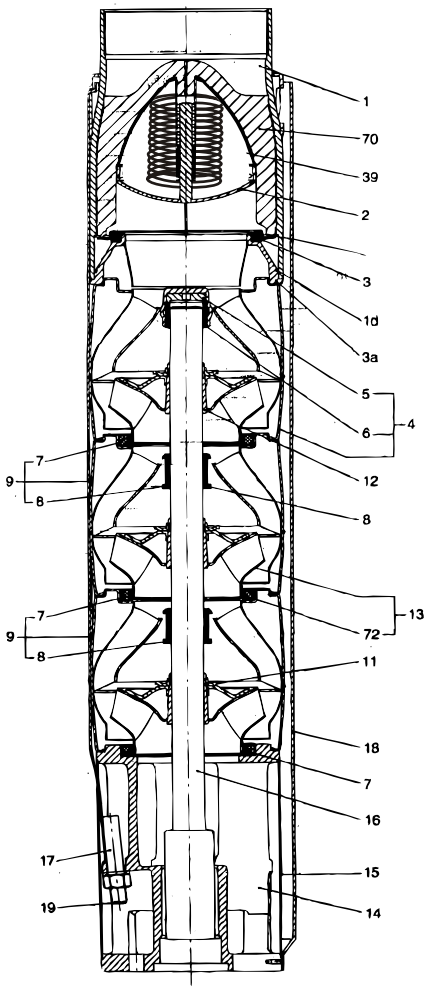
Also available in NPT connection

Material of Construction

MATERIAL SPECIFICATION - OSP -125/160

S.No.	Components	Material	Standard
1	Valve complete	Stainless steel	304
Id	O-ring	NBR	
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel + NBR	
3a	Lower valve seat retainer	Stainless steel	304
4	Top chamber	Stainless steel	304
5	Stop disc	Zinc less bronze	
6	Upper bearing	Stainless steel + NBR	
7	Neck ring	NBR + Stainless Steel	
8	Bearing	NBR	
9	Inter Chamber	Stainless steel	304
11	Split cone nut	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	304
16	Pump shaft	Stainless steel	431
17	Strap	Stainless steel	304
18	Cable Guard	Stainless steel	304
19	Nut	Stainless steel	304
39	Spring for valve cup	Stainless steel	304
70	Valve guide complete	Stainless steel	304
72	Wear ring	Stainless steel	304

Sectional View



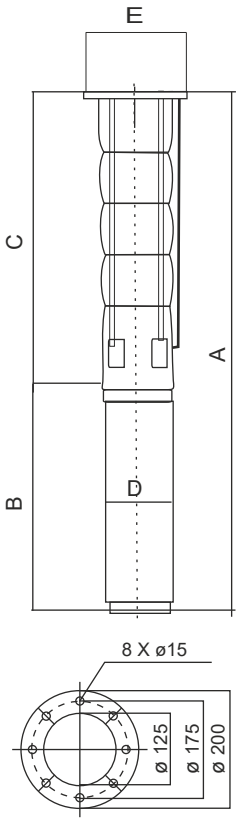
Performance Table

Submersible Pump OSP- 125

MODEL OSP-125	K.W.	H.P.	Stage	Motor Joining	Out let Size	Discharge						
						M^3/H	0	48	96	**126**	144	156
						(LPM)	0	800	1600	**2100**	2400	2600
OSP-125/1-A(P4)50(6X10)	7.5	10	1-A	V-6	6"BSP	HEAD IN METERS	21	20	16	**13**	10	7
OSP-125/1(P4)50(6X10)	11	15	1	V-6	6"BSP		28.5	27.7	23.0	**20.0**	17.0	14.7
OSP-125/2-AA(P4)50(6X10)	13	17.5	2-AA	V-6	6"BSP		44	39	32	**26**	19	13
OSP-125/2-A(P4)50(6X10)	18.5	25	2-A	V-6	6"BSP		50	47	39	**33**	27	21
OSP-125/2(P4)50(6X10)	22	30	2	V-6	6"BSP		57	55	46	**40**	34	29
OSP-125/3-AA(P4)50(6X10)	22	30	3-AA	V-6	6"BSP		71	67	55	**46**	36	28
OSP-125/3-A(P4)50(6X10)	26	35	3-A	V-6	6"BSP		78	75	62	**53**	44	36
OSP-125/3(P4)50(6X10)	30	40	3	V-6	6"BSP		86	83	69	**60**	51	44
OSP-125/4-AA(P4)50(6X10)	37	50	4-AA	V-6	6"BSP		99	94	78	**66**	53	42
OSP-125/4-A(P4)50(6X10)	37	50	4-A	V-6	6"BSP		107	103	85	**73**	61	51
OSP-125/4(P4)50(6X10)	37	50	4	V-6	6"BSP		114	111	92	**80**	68	59
OSP-125/5-AA(P4)50(6X10)	45	60	5-AA	V-6	6"BSP		128	122	101	**86**	70	57
OSP-125/5-A(P4)50(6X10)	45	60	5-A	V-6	6"BSP		135	131	108	**93**	78	66
OSP-125/5(P4)50(8X10)	55	75	5	V-8	6"BSP		143	139	115	**100**	85	74
OSP-125/6-AA(P4)50(8X10)	55	75	6-AA	V-8	6"BSP		156	150	124	**106**	87	72
OSP-125/6-A(P4)50(8X10)	55	75	6-A	V-8	6"BSP		164	158	131	**113**	95	80
OSP-125/6(P4)50(8X10)	63	85	6	V-8	6"BSP		171	166	138	**120**	102	88
OSP-125/7-AA(P4)50(8X10)	63	85	7-AA	V-8	6"BSP		185	178	147	**126**	104	87
OSP-125/7-A(P4)50(8X10)	63	85	7-A	V-8	6"BSP		192	186	154	**133**	112	95
OSP-125/7(P4)50(8X10)	75	100	7	V-8	6"BSP		200	194	161	**140**	119	103
OSP-125/8-AA(P4)50(8X10)	75	100	8-AA	V-8	6"BSP		213	205	170	**146**	121	101
OSP-125/8-A(P4)50(8X10)	75	100	8-A	V-8	6"BSP		221	213	177	**153**	129	109
OSP-125/8(P4)50(8X10)	75	100	8	V-8	6"BSP		228	222	184	**160**	136	118
OSP-125/9-AA(P4)50(8X10)	93	125	9-AA	V-8	6"BSP		242	233	193	**166**	138	116
OSP-125/9-A(P4)50(8X10)	93	125	9-A	V-8	6"BSP		249	241	200	**173**	146	124
OSP-125/9(P4)50(8X10)	93	125	9	V-8	6"BSP		257	249	207	**180**	153	132
OSP-125/10-AA(P4)50(8X10)	93	125	10-AA	V-8	6"BSP		270	261	216	**186**	155	131
OSP-125/10-A(P4)50(8X10)	93	125	10-A	V-8	6"BSP		278	269	223	**193**	163	139
OSP-125/10(P4)50(8X10)	93	125	10	V-8	6"BSP		285	277	230	**200**	170	147
OSP-125/11(P4)50(10X10)	110	150	11	V-10	6"BSP		314	305	253	**220**	187	162
OSP-125/12(P4)50(10X10)	130	175	12	V-10	6"BSP		342	332	276	**240**	204	176
OSP-125/13(P4)50(10X10)	130	175	13	V-10	6"BSP		371	360	299	**260**	221	191
OSP-125/14(P4)50(10X10)	150	200	14	V-10	6"BSP		399	388	322	**280**	238	206
OSP-125/15(P4)50(10X10)	150	200	15	V-10	6"BSP		428	416	345	**300**	255	221
OSP-125/16(P4)50(10X10)	185	250	16	V-10	6"BSP		456	443	368	**320**	272	235
OSP-125/17(P4)50(10X10)	185	250	17	V-10	6"BSP		485	471	391	**340**	289	250

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-125/1-A(P4)50(6X10)	1-A	V-6	7.5	656	222	226	28.42	144
OSP-125/1(P4)50(6X10)	1	V-6	11.0	656	222	226	28.42	144
OSP-125/2-AA(P4)50(6X10)	2-AA	V-6	13.0	812	222	226	34.93	144
OSP-125/2-A(P4)50(6X10)	2-A	V-6	18.5	812	222	226	34.93	144
OSP-125/2(P4)50(6X10)	2	V-6	22.0	812	222	226	34.93	144
OSP-125/3-AA(P4)50(6X10)	3-AA	V-6	22.0	968	222	226	41.45	144
OSP-125/3-A(P4)50(6X10)	3-A	V-6	26.0	968	222	226	41.45	144
OSP-125/3(P4)50(6X10)	3	V-6	30.0	968	222	226	41.45	144
OSP-125/4-AA(P4)50(6X10)	4-AA	V-6	37.0	1124	222	226	47.96	144
OSP-125/4-A(P4)50(6X10)	4-A	V-6	37.0	1124	222	226	47.96	144
OSP-125/4(P4)50(6X10)	4	V-6	37.0	1124	222	226	54.48	144
OSP-125/5-AA(P4)50(6X10)	5-AA	V-6	45.0	1280	222	226	54.48	144
OSP-125/5-A(P4)50(6X10)	5-A	V-6	45.0	1280	222	226	54.48	144
OSP-125/5(P4)50(8X10)	5	V-8	55.0	1300	222	226	57.34	189
OSP-125/6-AA(P4)50(8X10)	6-AA	V-8	55.0	1456	222	226	63.85	189
OSP-125/6-A(P4)50(8X10)	6-A	V-8	55.0	1456	222	226	63.85	189
OSP-125/6(P4)50(8X10)	6	V-8	67.0	1456	229	232	63.85	189
OSP-125/7-AA(P4)50(8X10)	7-AA	V-8	67.0	1612			70.37	189
OSP-125/7-A(P4)50(8X10)	7-A	V-8	67.0	1612			70.37	189
OSP-125/7(P4)50(8X10)	7	V-8	75.0	1612			70.37	189
OSP-125/8-AA(P4)50(8X10)	8-AA	V-8	75.0	1768			76.89	189
OSP-125/8-A(P4)50(8X10)	8-A	V-8	75.0	1768			76.88	189
OSP-125/8(P4)50(8X10)	8	V-8	75.0	1768			76.88	189
OSP-125/9-AA(P4)50(8X10)	9-AA	V-8	93.0	1924			83.4	189
OSP-125/9-A(P4)50(8X10)	9-A	V-8	93.0	1924			83.4	189
OSP-125/9(P4)50(8X10)	9	V-8	93.0	1924			83.40	189
OSP-125/10-AA(P4)50(8X10)	10-AA	V-8	93.0	2080			89.92	189
OSP-125/10-A(P4)50(8X10)	10-A	V-8	93.0	2080			89.92	189
OSP-125/10(P4)50(8X10)	10	V-8	93.0	2080			89.92	189
OSP-125/11(P4)50(10X10)	11	V-10	110.0	2236			96.429	236
OSP-125/12(P4)50(10X10)	12	V-10	130.0	2392			102.944	236
OSP-125/13(P4)50(10X10)	13	V-10	130.0	2548			109.459	236
OSP-125/14(P4)50(10X10)	14	V-10	150.0	2704			115.974	236
OSP-125/15(P4)50(10X10)	15	V-10	150.0	2860			122.489	236
OSP-125/16(P4)50(10X10)	16	V-10	185.0	3016			129.004	236
OSP-125/17(P4)50(10X10)	17	V-10	185.0	3172			135.519	236

FIGURE

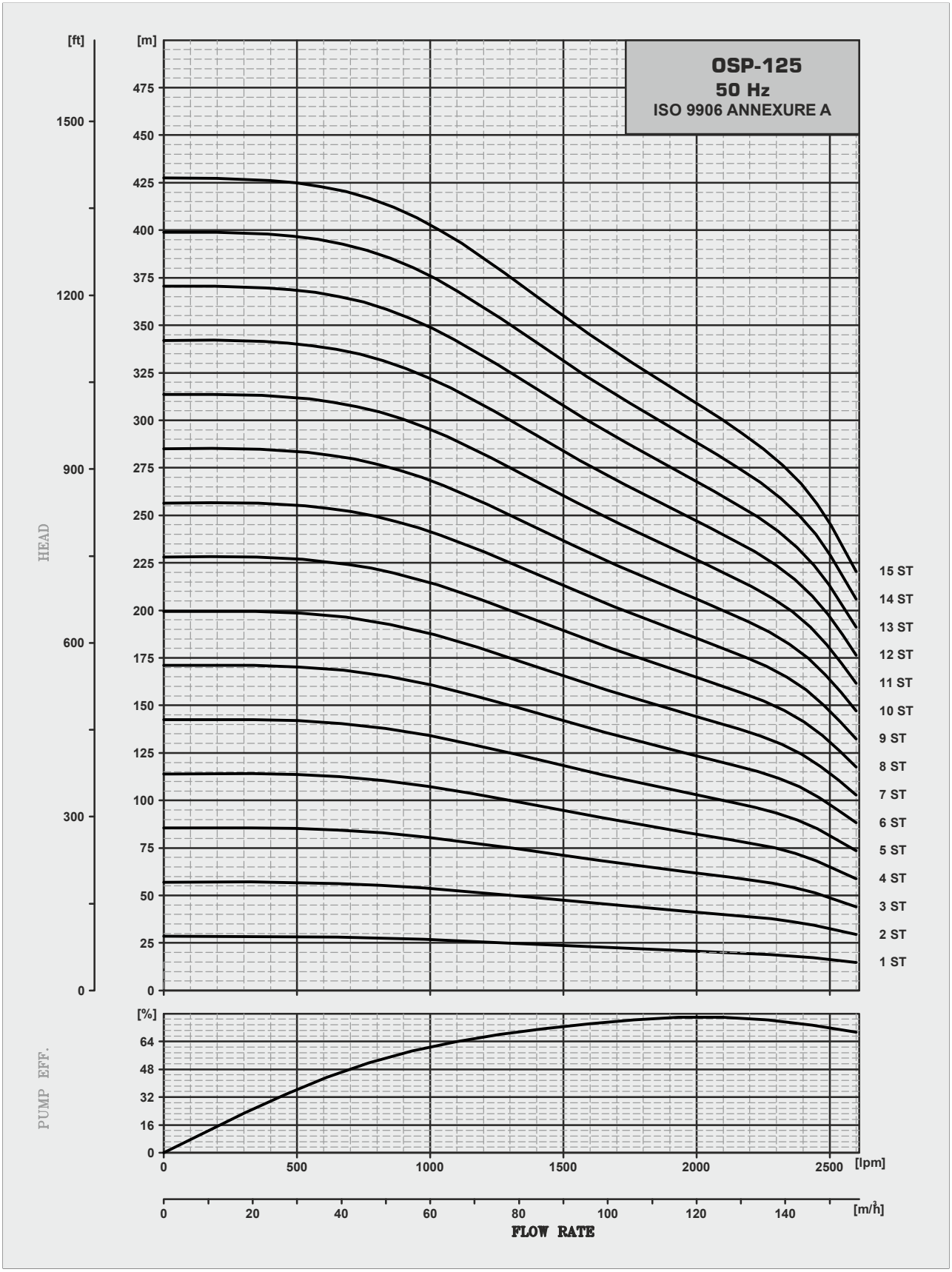


FROM : 1 STAGE TO 5-A STAGE ALSO AVAILABLE WITH 8" MOTOR JOINING (8X10)

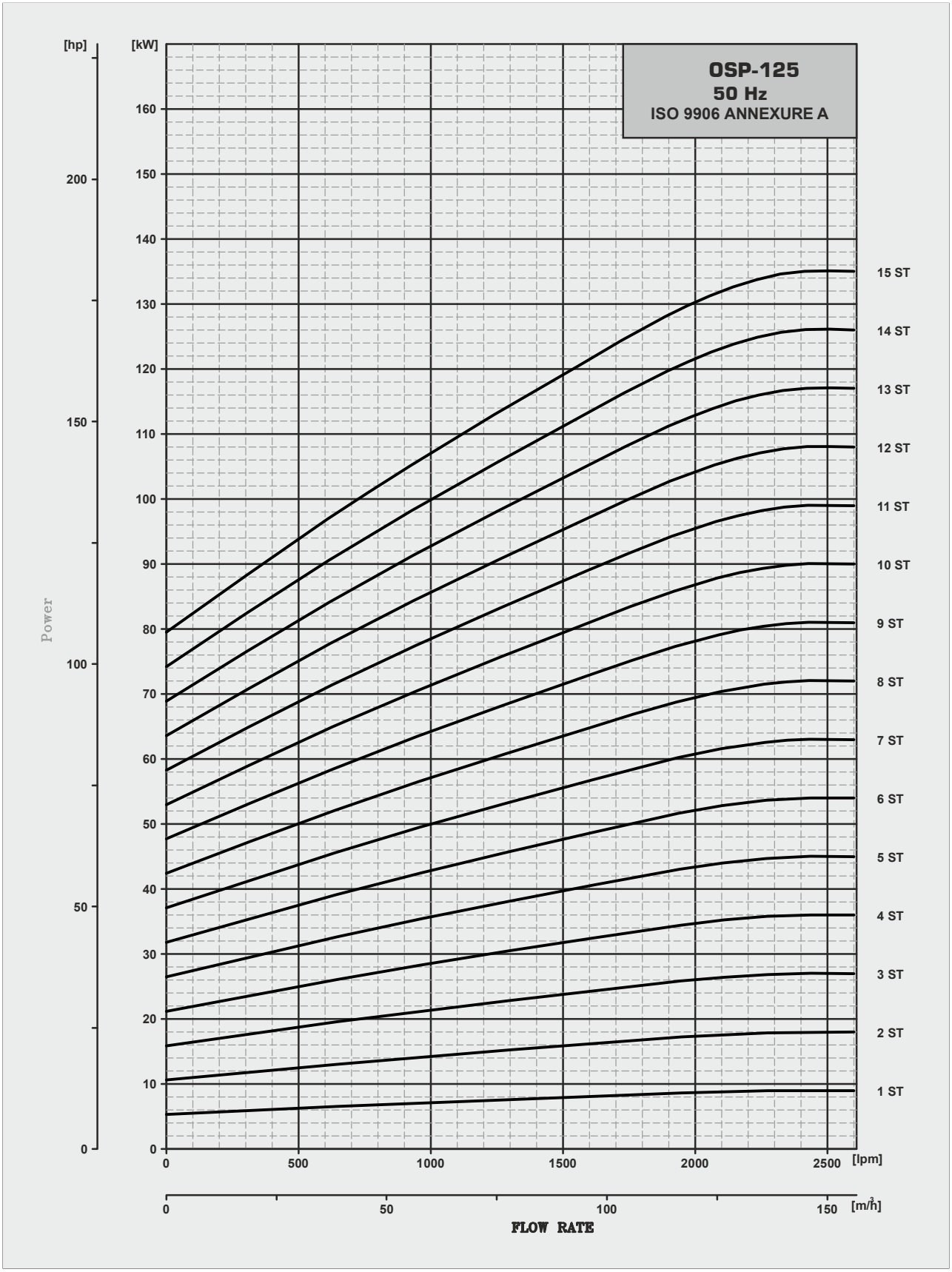
* MAX.DIA OF PUMP WITH ONE MOTOR CABLE

** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

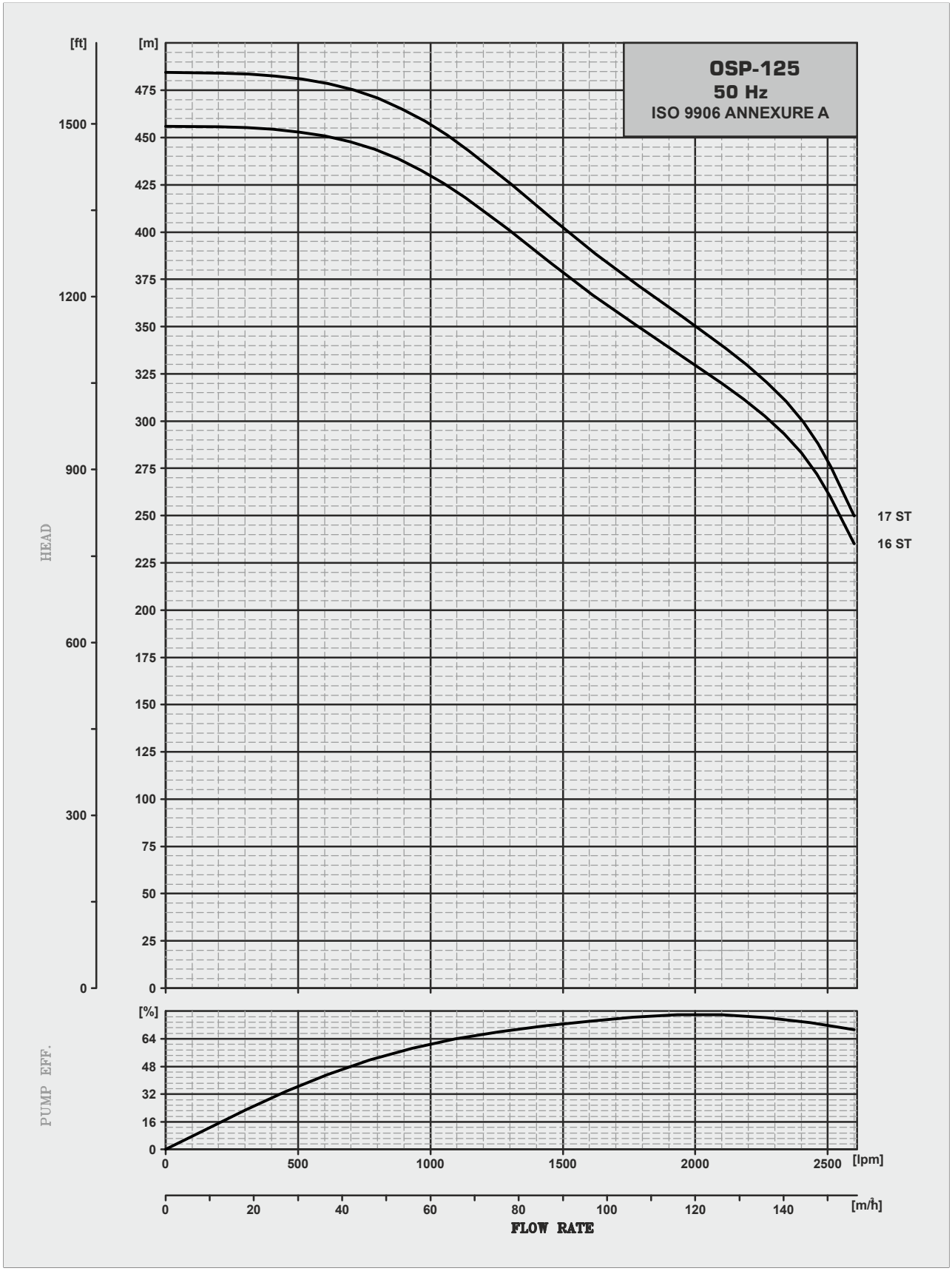
Performance Curves



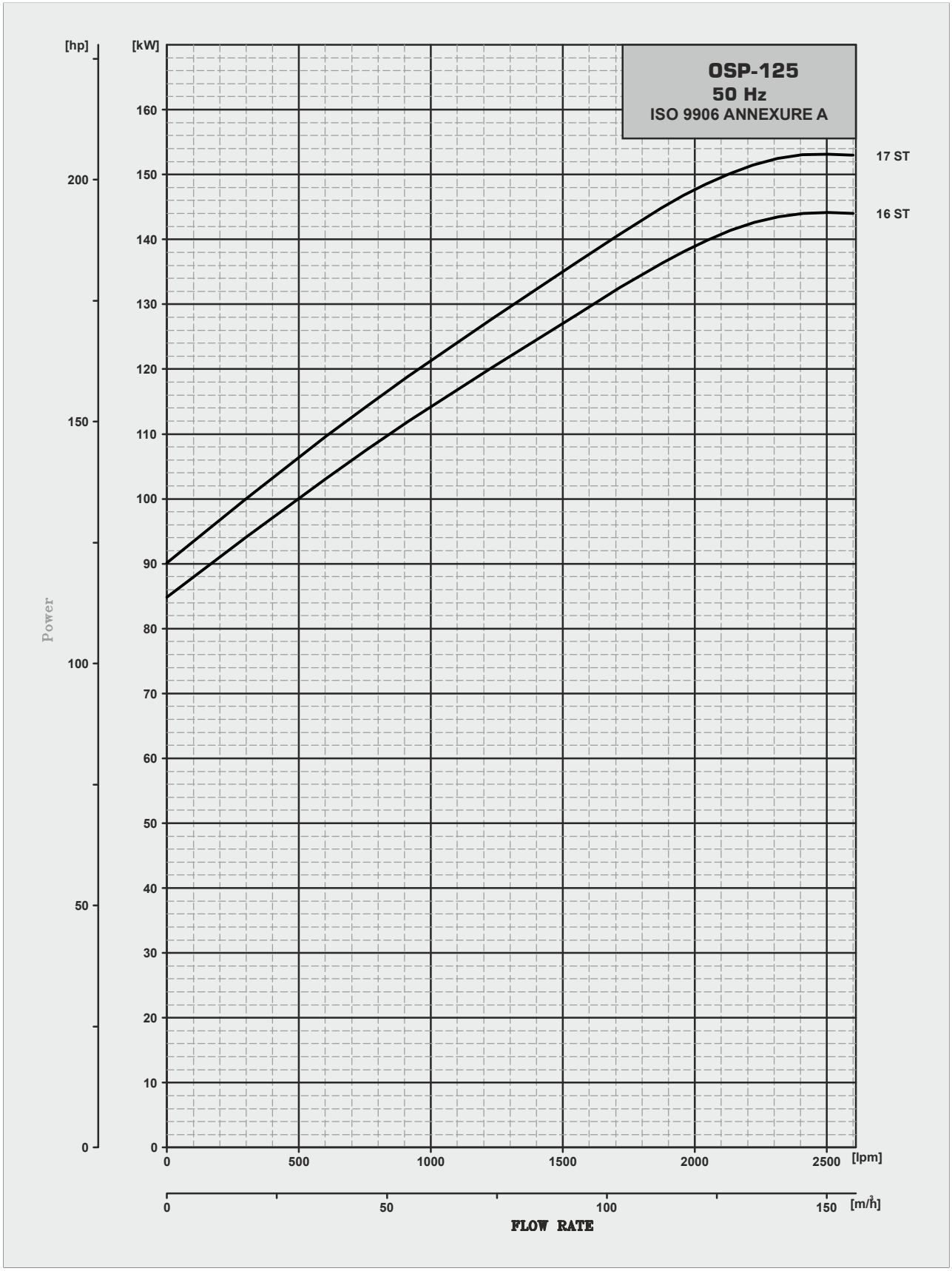
Power Curves



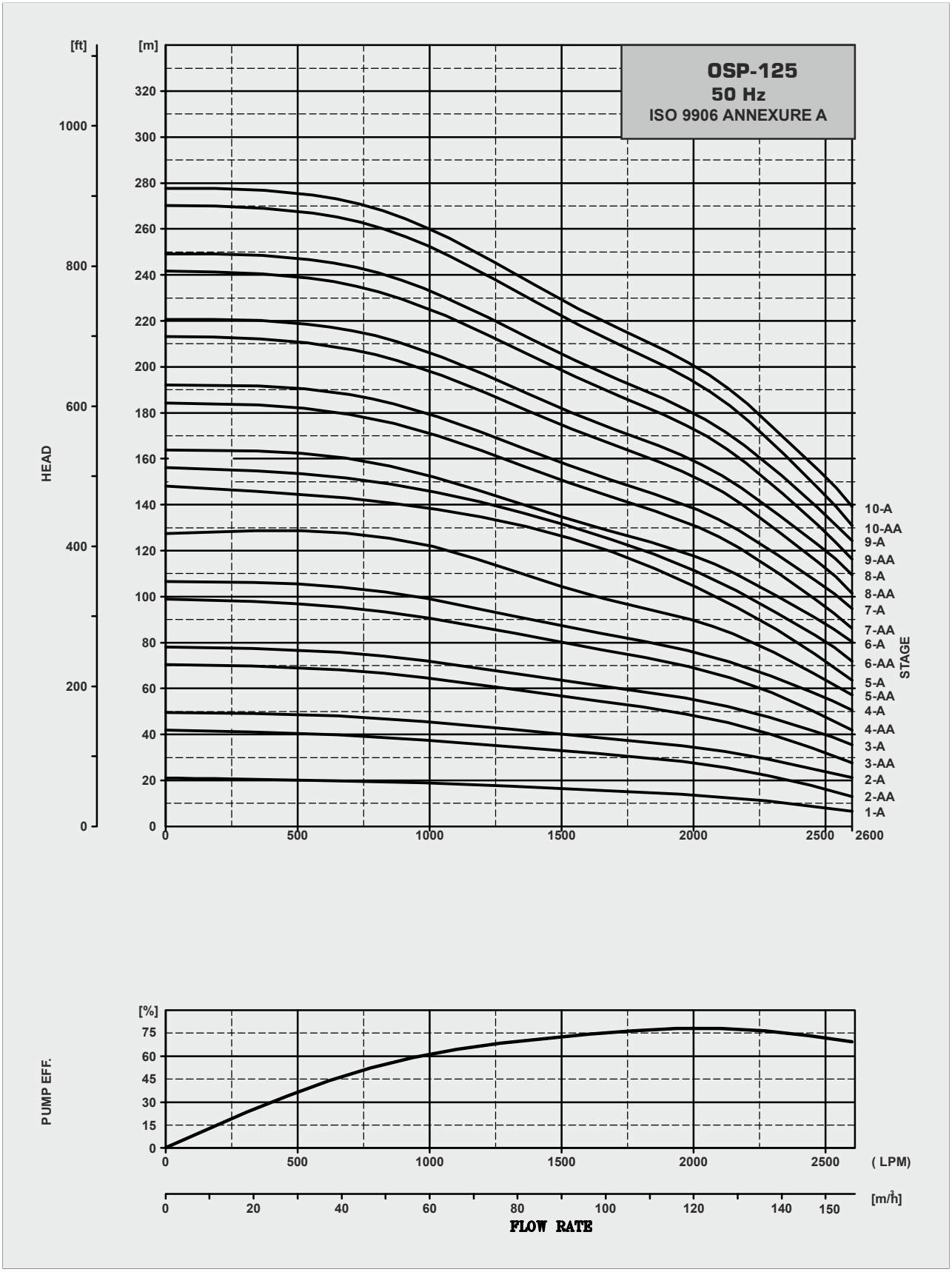
Performance Curves



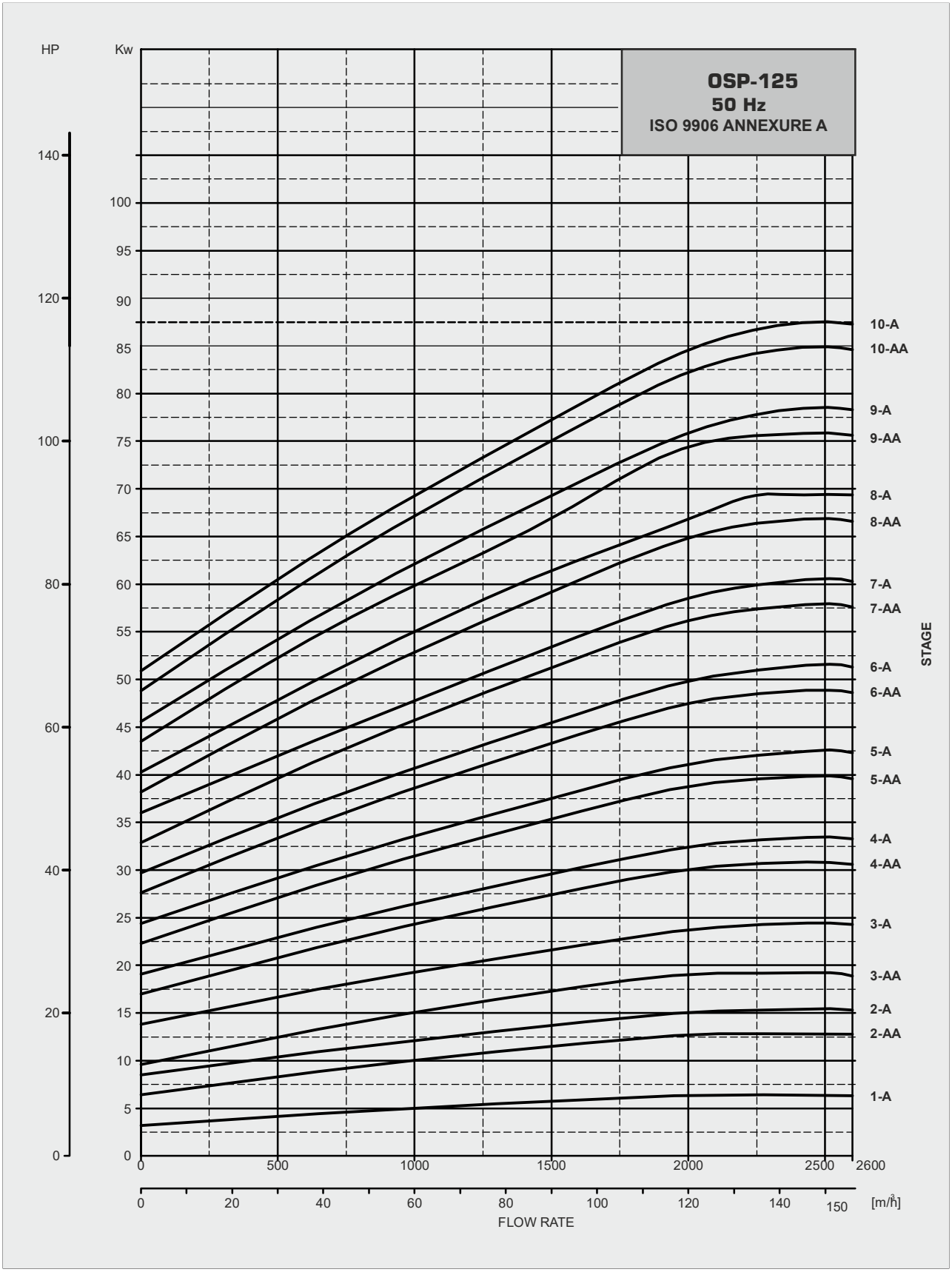
Power Curves



Performance Curves



Power Curves



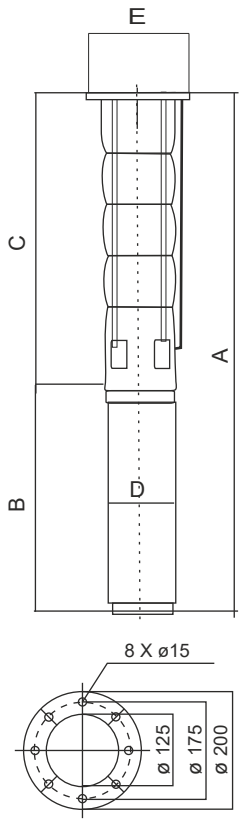
Performance Table

Submersible Pump OSP- 160

MODEL OSP-160	K.W.	H.P.	Stage	Motor Joining	Out let Size	Discharge						
						M^3/H	0	60	90	120	**162**	180
						(LPM)	0	1000	1500	2000	**2700**	3000
OSP-160/1-A(P4)50(6X10)	9.3	12.5	1-A	V-6	6"BSP	HEAD IN METERS	24	20.5	18	16	**12**	9.5
OSP-160/1(P4)50(6X10)	13	17.5	1	V-6	6"BSP		32.0	29.5	26.2	23.3	**20.0**	17.5
OSP-160/2-AA(P4)50(6X10)	18.5	25	2-AA	V-6	6"BSP		48	41	36	32	**24**	19
OSP-160/2-A(P4)50(6X10)	22	30	2-A	V-6	6"BSP		56	50	44	39	**32**	27
OSP-160/2(P4)50(6X10)	26	35	2	V-6	6"BSP		64	59	52	47	**40**	35
OSP-160/3-AA(P4)50(6X10)	30	40	3-AA	V-6	6"BSP		80	71	62	55	**44**	37
OSP-160/3-A(P4)50(6X10)	37	50	3-A	V-6	6"BSP		88	80	70	63	**52**	45
OSP-160/3(P4)50(6X10)	37	50	3	V-6	6"BSP		96	89	79	70	**60**	53
OSP-160/4-AA(P4)50(6X10)	45	60	4-AA	V-6	6"BSP		112	100	88	79	**64**	54
OSP-160/4-A(P4)50(6X10)	45	60	4-A	V-6	6"BSP		120	109	97	86	**72**	62
OSP-160/4(P4)50(8X10)	55	75	4	V-8	6"BSP		128	118	105	93	**80**	70
OSP-160/5-AA(P4)50(8X10)	55	75	5-AA	V-8	6"BSP		144	130	115	102	**84**	72
OSP-160/5-A(P4)50(8X10)	55	75	5-A	V-8	6"BSP		152	139	123	109	**92**	80
OSP-160/5(P4)50(8X10)	63	85	5	V-8	6"BSP		160	148	131	117	**100**	88
OSP-160/6-AA(P4)50(8X10)	63	85	6-AA	V-8	6"BSP		176	159	141	125	**104**	89
OSP-160/6-A(P4)50(8X10)	75	100	6-A	V-8	6"BSP		184	168	149	133	**112**	97
OSP-160/6(P4)50(8X10)	75	100	6	V-8	6"BSP		192	177	157	140	**120**	105
OSP-160/7-AA(P4)50(8X10)	75	100	7-AA	V-8	6"BSP		208	189	167	149	**124**	107
OSP-160/7-A(P4)50(8X10)	93	125	7-A	V-8	6"BSP		216	198	175	156	**132**	115
OSP-160/7(P4)50(8X10)	93	125	7	V-8	6"BSP		224	207	183	163	**140**	123
OSP-160/8-AA(P4)50(8X10)	93	125	8-AA	V-8	6"BSP		240	218	193	172	**144**	124
OSP-160/8-A(P4)50(8X10)	93	125	8-A	V-8	6"BSP		248	227	201	179	**152**	132
OSP-160/8(P4)50(8X10)	93	125	8	V-8	6"BSP		256	236	210	186	**160**	140
OSP-160/9-AA(P4)50(10X10)	110	150	9-AA	V-10	6"BSP		272	248	219	195	**164**	142
OSP-160/9-A(P4)50(10X10)	110	150	9-A	V-10	6"BSP		280	257	228	202	**172**	152
OSP-160/9(P4)50(10X10)	110	150	9	V-10	6"BSP		288	266	236	210	**180**	158
OSP-160/10-AA(P4)50(10X10)	110	150	10-AA	V-10	6"BSP		304	277	246	218	**184**	160
OSP-160/10-A(P4)50(10X10)	130	175	10-A	V-10	6"BSP		312	287	254	226	**192**	168
OSP-160/10(P4)50(10X10)	130	175	10	V-10	6"BSP		320	295	262	233	**200**	175
OSP-160/11(P4)50(10X10)	130	175	11	V-10	6"BSP		352	324.5	288	256	**220**	193
OSP-160/12(P4)50(10X10)	150	200	12	V-10	6"BSP		384	354	314	280	**240**	210
OSP-160/13(P4)50(10X10)	185	250	13	V-10	6"BSP		416	383.5	341	303	**260**	228
OSP-160/14(P4)50(10X10)	185	250	14	V-10	6"BSP		448	413	367	326	**280**	245
OSP-160/15(P4)50(10X10)	185	250	15	V-10	6"BSP		480	442.5	393	350	**300**	263

PUMP MODEL	STAGE	MOTOR		PUMP				MOTOR
		JOINING MOTOR	POWER (KW)	Length			Weight	OD
				C	E*	E**	Kg	D
OSP-160/1-A(P4)50(6X10)	1-A	V-6	9.3	656	222	226	28.42	144
OSP-160/1(P4)50(6X10)	1	V-6	13.0	656	222	226	28.42	144
OSP-160/2-AA(P4)50(6X10)	2-AA	V-6	18.5	812	222	226	34.93	144
OSP-160/2-A(P4)50(6X10)	2-A	V-6	22.0	812	229	232	34.93	144
OSP-160/2(P4)50(6X10)	2	V-6	26.0	812	229	232	34.93	144
OSP-160/3-AA(P4)50(6X10)	3-AA	V-6	30.0	968	229	232	41.45	144
OSP-160/3-A(P4)50(6X10)	3-A	V-6	37.0	968	229	232	41.45	144
OSP-160/3(P4)50(6X10)	3	V-6	37.0	968	229	232	41.45	144
OSP-160/4-AA(P4)50(6X10)	4-AA	V-6	45.0	1124	229	232	47.96	144
OSP-160/4-A(P4)50(6X10)	4-A	V-6	45.0	1124	229	232	47.96	144
OSP-160/4(P4)50(8X10)	4	V-8	55.0	1144	229	232	50.82	189
OSP-160/5-AA(P4)50(8X10)	5-AA	V-8	55.0	1300	229	232	57.34	189
OSP-160/5-A(P4)50(8X10)	5-A	V-8	55.0	1300	229	232	57.34	189
OSP-160/5(P4)50(8X10)	5	V-8	67.0	1300	229	232	57.34	189
OSP-160/6-AA(P4)50(8X10)	6-AA	V-8	67.0	1456	229	232	63.85	189
OSP-160/6-A(P4)50(8X10)	6-A	V-8	75.0	1456	229	232	63.85	189
OSP-160/6(P4)50(8X10)	6	V-8	75.0	1456	229	232	63.85	189
OSP-160/7-AA(P4)50(8X10)	7-AA	V-8	75.0	1612			70.37	189
OSP-160/7-A(P4)50(8X10)	7-A	V-8	93.0	1612			70.37	189
OSP-160/7(P4)50(8X10)	7	V-8	93.0	1612			70.37	189
OSP-160/8-AA(P4)50(8X10)	8-AA	V-8	93.0	1768			76.88	189
OSP-160/8-A(P4)50(8X10)	8-A	V-8	93.0	1768			76.88	189
OSP-160/8(P4)50(8X10)	8	V-8	93.0	1768			76.88	189
OSP-160/9-AA(P4)50(10X10)	9-AA	V-10	110	1924			83.4	236
OSP-160/9-A(P4)50(10X10)	9-A	V-10	110	1924			83.4	236
OSP-160/9(P4)50(10X10)	9	V-10	110	1924			83.40	236
OSP-160/10-AA(P4)50(10X10)	10-AA	V-10	110	2080			89.91	236
OSP-160/10-A(P4)50(10X10)	10-A	V-10	130	2080			89.91	236
OSP-160/10(P4)50(10X10)	10	V-10	130	2080			89.91	236
OSP-160/11(P4)50(10X10)	11	V-10	130	2236			96.43	236
OSP-160/12(P4)50(10X10)	12	V-10	150	2392			102.94	236
OSP-160/13(P4)50(10X10)	13	V-10	185	2548			109.46	236
OSP-160/14(P4)50(10X10)	14	V-10	185	2704			115.97	236
OSP-160/15(P4)50(10X10)	15	V-10	185	2860			122.49	236

FIGURE



FIGURE

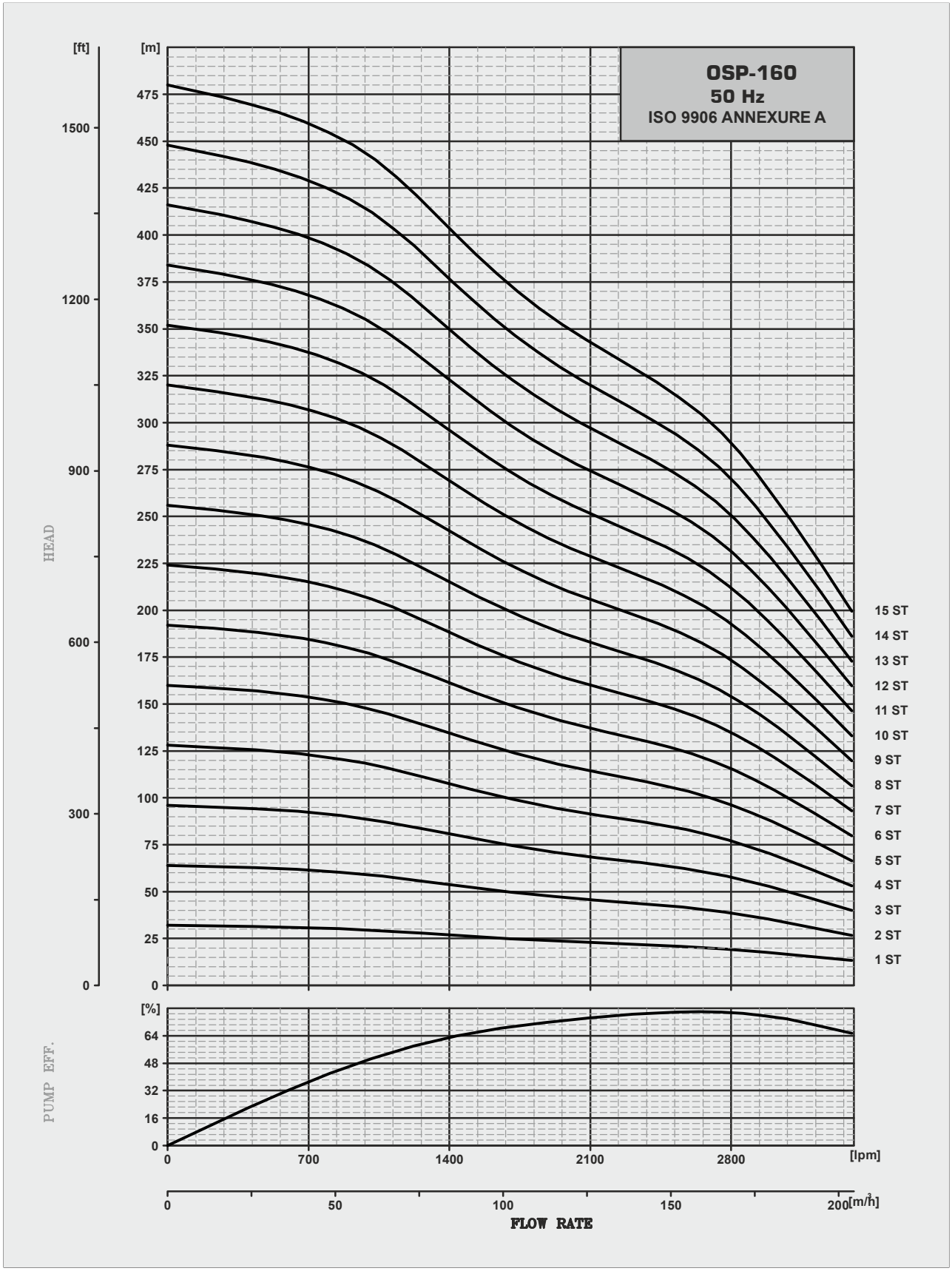
FROM : 1 STAGE TO 4-A STAGE ALSO AVAILABLE WITH 8" MOTOR JOINING (8X10)

* MAX.DIA OF PUMP WITH ONE MOTOR CABLE

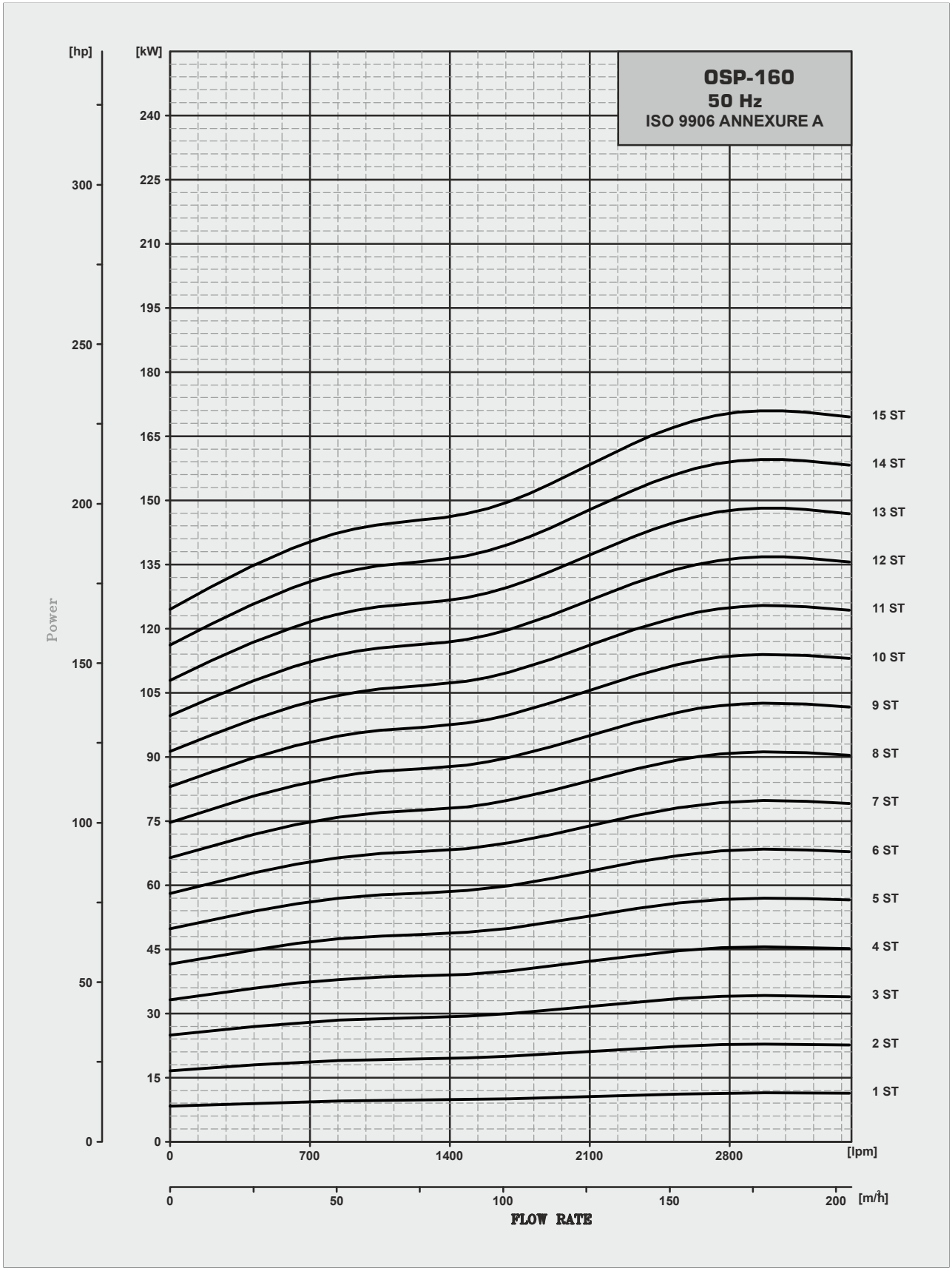
** MAX.DIA OF PUMP WITH TWO MOTOR CABLE

ALL LENGTH IN MM

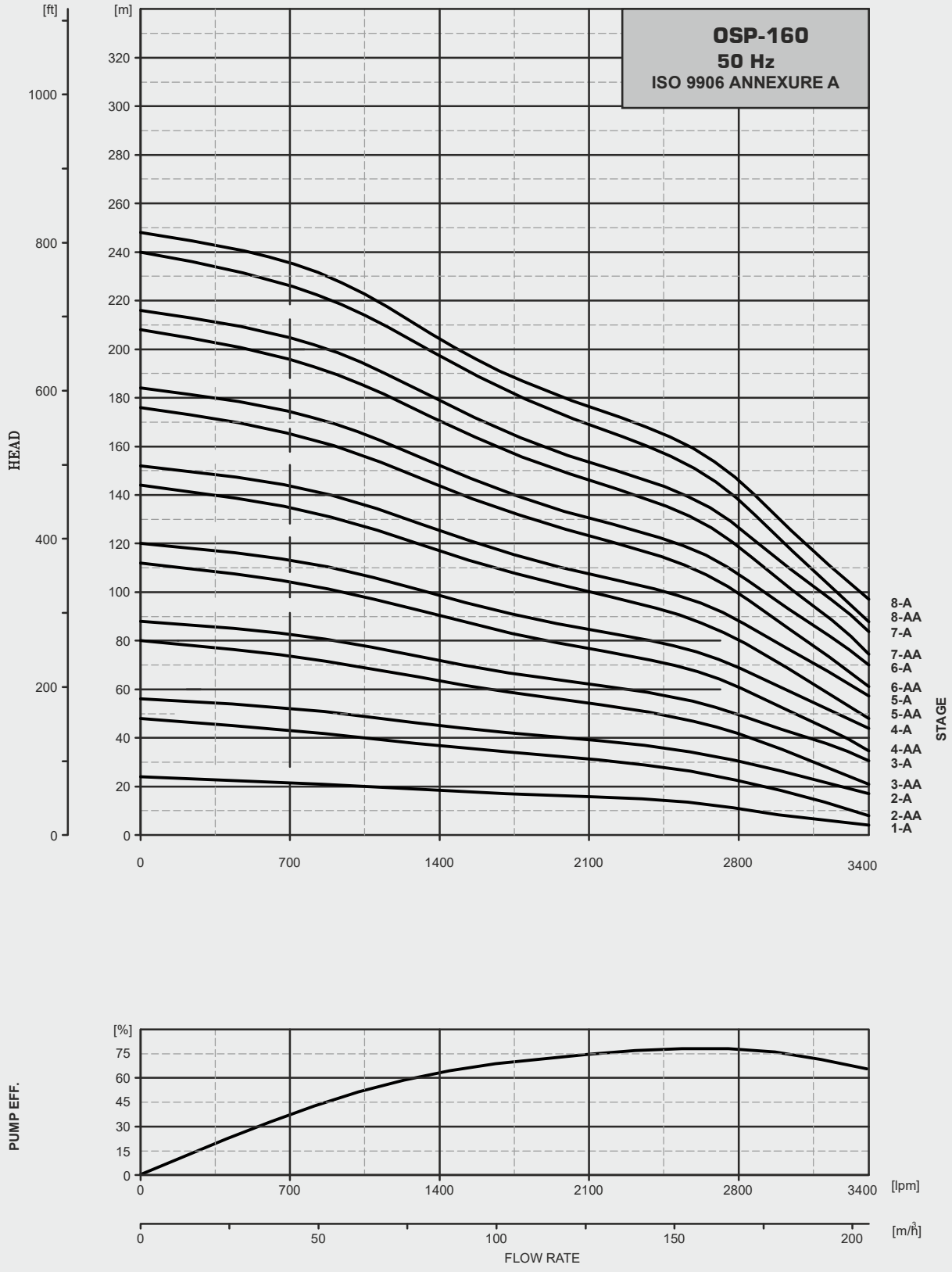
Performance Curves



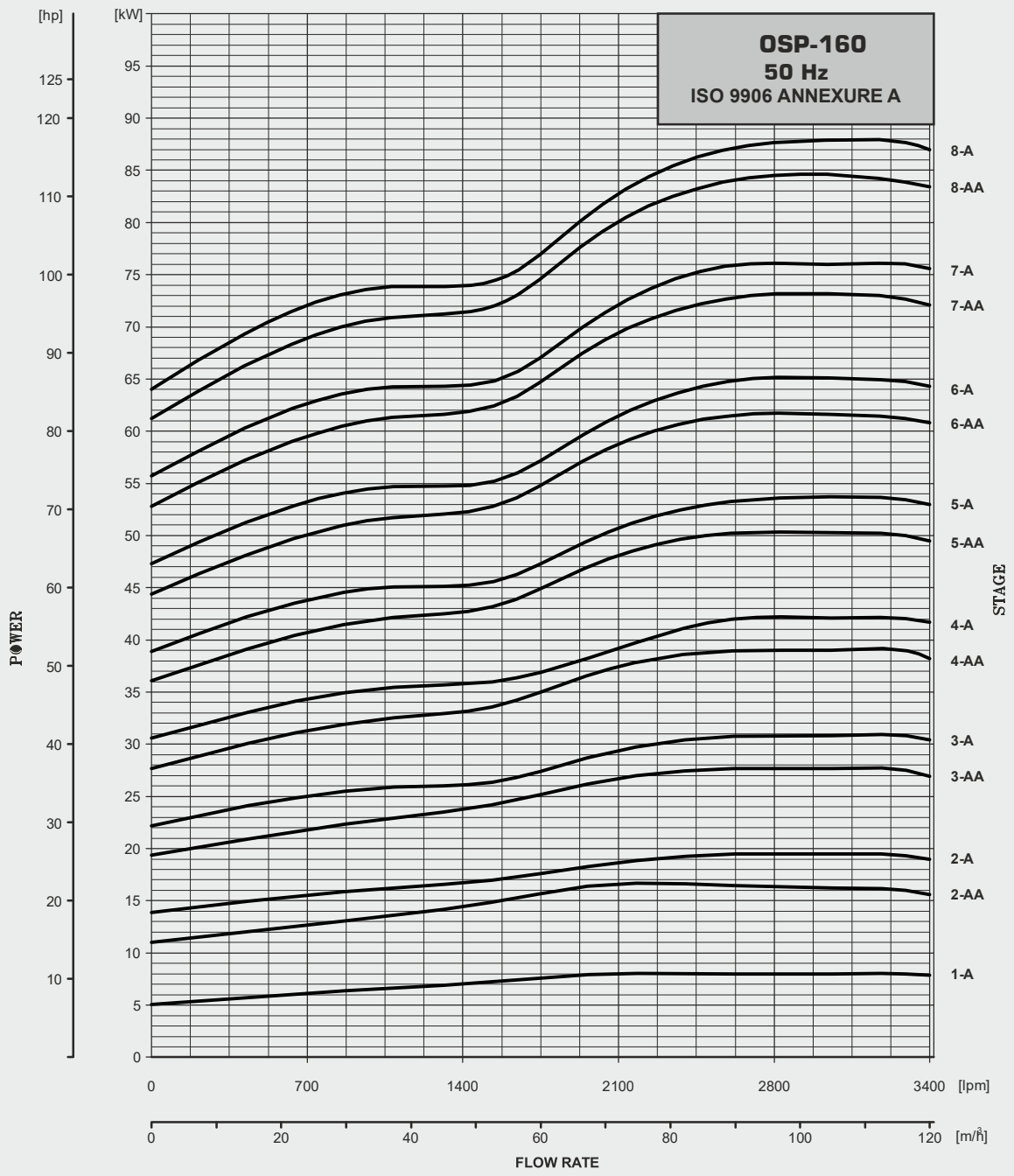
Power Curves



Performance Curves



Power Curves



12”
Submersible Pump

Performance Table

Submersible Pump OSP- 215

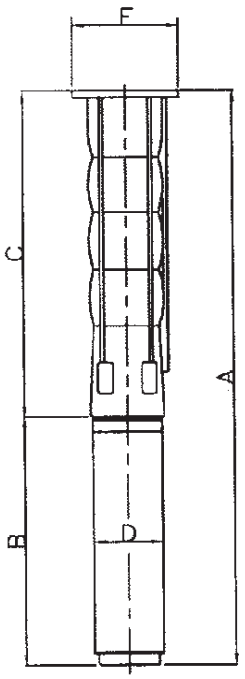
MODEL OSP-215	K.W.	H.P.	Stage	Motor Joining	Out let Size	Discharge							
						M^3/H	0	90	144	180	216	240	276
						(LPM)	0	1500	2400	3000	3600	4000	4600
OSP-215/1-A(P4)50(6X12)	15	20	1-A	V-6	6"	HEAD IN METERS	27	24	20.5	17.5	13.5	10	4
OSP-215/1(P4)50(6X12)	18.5	25	1	V-6	6"		39	35.5	30	27.5	24.5	22	16
OSP-215/2-AA(P4)50(6X12)	30	40	2-AA	V-6	6"		54	48	41	35	27	20	8
OSP-215/2-A(P4)50(6X12)	37	50	2-A	V- 6	6"		66	59	50	45	38	32	24
OSP-215/2(P4)50(6X12)	45	60	2	V- 6	6"		78	71	60	55	49	44	32
OSP-215/3-AA(P4)50(8X12)	55	75	3-AA	V- 8	6"		93	83	71.0	62	51	42	32
OSP-215/3-A(P4)50(8X12)	55	75	3-A	V- 8	6"		105	95	80	72	62	54	36
OSP-215/3(P4)50(8X12)	63	85	3	V- 8	6"		117	107	90	83	74	66	48
OSP-215/4-AA(P4)50(8X12)	75	100	4-AA	V- 8	6"		132	119	101	90	76	64	40
OSP-215/4-A(P4)50(8X12)	75	100	4-A	V- 8	6"		144	130	110	100	87	76	52
OSP-215/4(P4)50(8X12)	75	100	4	V- 8	6"		156	142	120	110	98	88	64
OSP-215/5-AA(P4)50(8X12)	93	125	5-AA	V- 8	6"		171	154	131	117	100	86	54
OSP-215/5-A(P4)50(8X12)	93	125	5-A	V- 8	6"		183	166	140	127	111	98	68
OSP-215/5(P4)50(8X12)	93	125	5	V- 8	6"		195	178	150	138	123	110	80
OSP-215/6-AA(P4)50(10X12)	110	150	6-AA	V- 10	6"		210	190	161	145	125	108	72
OSP-215/6-A(P4)50(10X12)	110	150	6-A	V- 10	6"		222	202	171	155	136	120	84
OSP-215/6-(P4)50(10X12)	110	150	6	V- 10	6"		234	213	180	165	147	132	96
OSP-215/7-AA(P4)50(10X12)	130	175	7-AA	V- 10	6"		249	226	191	173	150	130	88
OSP-215/7-A(P4)50(10X12)	130	175	7-A	V- 10	6"		261	237	200	182	160	142	100
OSP-215/7(P4)50(10X12)	130	175	7	V- 10	6"		273	249	210	193	172	154	112
OSP-215/8-AA(P4)50(10X12)	150	200	8-AA	V- 10	6"		288	261	221	200	174	152	104
OSP-215/8-A(P4)50(10X12)	150	200	8-A	V- 10	6"		300	273	231	210	185	164	116
OSP-215/8(P4)50(10X12)	150	200	8	V- 10	6"		312	284	240	220	196	176	128
OSP-215/9-AA(P4)50(10X12)	185	250	9-AA	V- 10	6"		327	297	251	228	199	174	120
OSP-215/9-A(P4)50(10X12)	185	250	9-A	V- 10	6"		339	308	261	238	210	186	132
OSP-215/9(P4)50(10X12)	185	250	9	V- 10	6"		351	320	270	248	221	198	144
OSP-215/10-AA(P4)50(10X12)	185	250	10-AA	V- 10	6"		366	332	281	255	223	196	136
OSP-215/10-A(P4)50(10X12)	185	250	10-A	V- 10	6"		378	344	291	265	234	208	148
OSP-215/10-(P4)50(10X12)	185	250	10	V- 10	6"		390	355	300	275	245	220	160

Technical Data

Submersible Pump OSP- 215

Pump Model	Stage	Motor		PUMP				Motor
		Joining Motor	Power (KW)	Length C	E*	E**	Weight Kg	OD D
OSP-215/1-A(P4)50(6X12)	1-A	V-6	15	696	241	247	33.93	144
OSP-215/1(P4)50(6X12)	1	V-6	18.5	696	241	247	33.93	144
OSP-215/2-AA(P4)50(6X12)	2-AA	V-6	30	872	241	247	43.00	144
OSP-215/2-A(P4)50(6X12)	2-A	V-6	37	872	241	247	47.39	144
OSP-215/2(P4)50(6X12)	2	V-6	45	872	241	247	47.39	144
OSP-215/3-AA(P4)50(8X12)	3-AA	V- 8	55	1048	241	247	57.35	189
OSP-215/3-A(P4)50(8X12)	3-A	V- 8	55	1048	241	247	57.35	189
OSP-215/3(P4)50(8X12)	3	V- 8	63	1048	241	247	57.35	189
OSP-215/4-AA(P4)50(8X12)	4-AA	V- 8	75	1224	241	247	66.81	189
OSP-215/4-A(P4)50(8X12)	4-A	V- 8	75	1224	241	247	66.81	189
OSP-215/4(P4)50(8X12)	4	V- 8	75	1224	241	247	66.81	189
OSP-215/5-AA(P4)50(8X12)	5-AA	V- 8	93	1400	241	247	76.27	189
OSP-215/5-A(P4)50(8X12)	5-A	V- 8	93	1400	241	247	76.27	189
OSP-215/5(P4)50(8X12)	5	V- 8	93	1400	241	247	76.27	189
OSP-215/6-AA(P4)50(10X12)	6-AA	V- 10	110	N.A	241	247		236
OSP-215/6-A(P4)50(10X12)	6-A	V- 10	110	N.A	241	247		236
OSP-215/6(P4)50(10X12)	6	V- 10	110	N.A	241	247		236
OSP-215/7-AA(P4)50(10X12)	7-AA	V- 10	130	N.A	241	247		236
OSP-215/7-A(P4)50(10X12)	7-A	V- 10	130	N.A	241	247		236
OSP-215/7(P4)50(10X12)	7	V- 10	130	N.A	241	247		236
OSP-215/8-AA(P4)50(10X12)	8-AA	V- 10	150	N.A	241	247		236
OSP-215/8-A(P4)50(10X12)	8-A	V- 10	150	N.A	241	247		236
OSP-215/8(P4)50(10X12)	8	V- 10	150	N.A	241	247		236
OSP-215/9-AA(P4)50(10X12)	9-AA	V- 10	185	N.A	241	247		236
OSP-215/9-A(P4)50(10X12)	9-A	V- 10	185	N.A	241	247		236
OSP-215/9(P4)50(10X12)	9	V- 10	185	N.A	241	247		236
OSP-215/10-AA(P4)50(10X12)	10-AA	V- 10	185	N.A	241	247		236
OSP-215/10-A(P4)50(10X12)	10-A	V- 10	185	N.A	241	247		236
OSP-215/10(P4)50(10X12)	10	V- 10	185	N.A	241	247		236

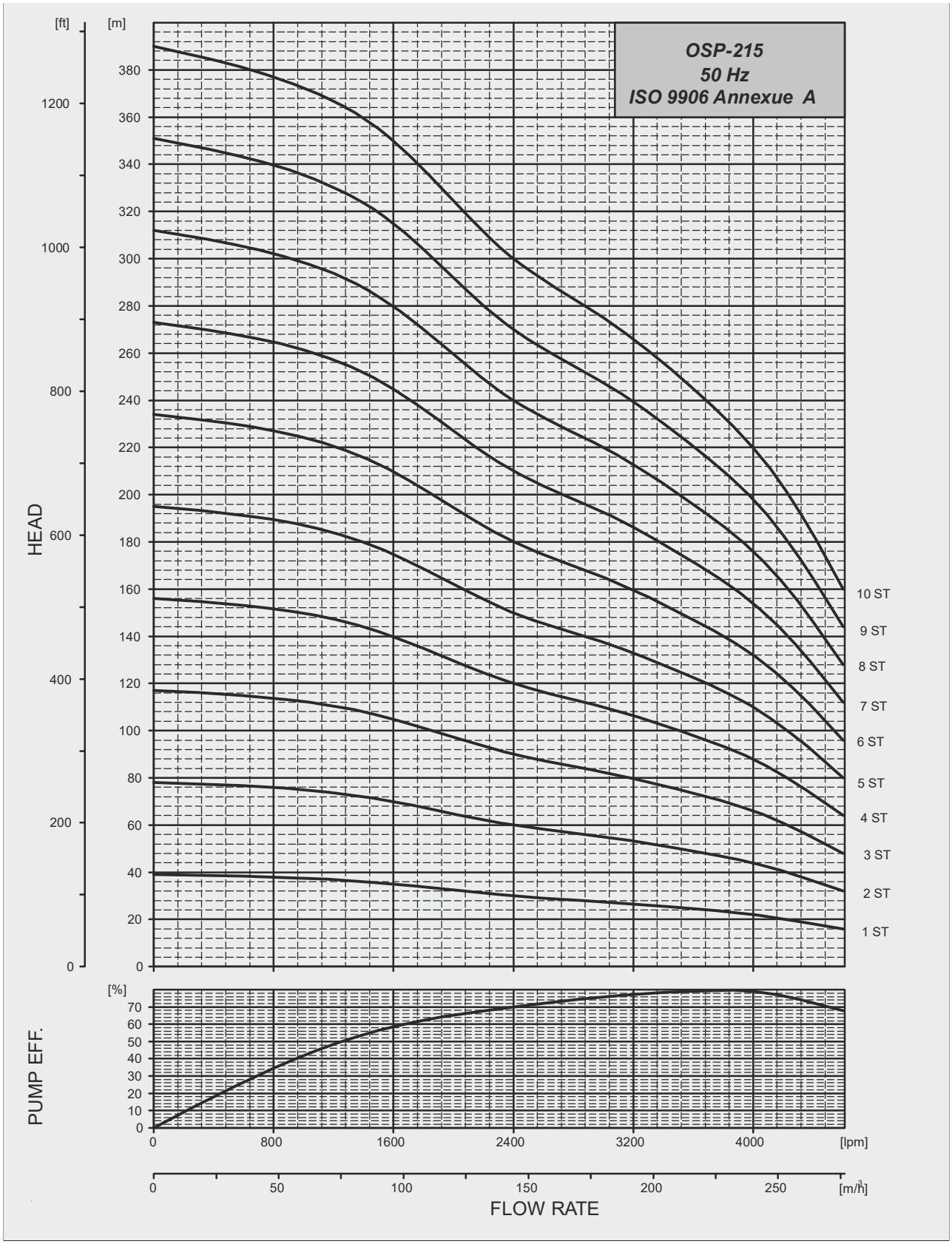
FIGURE



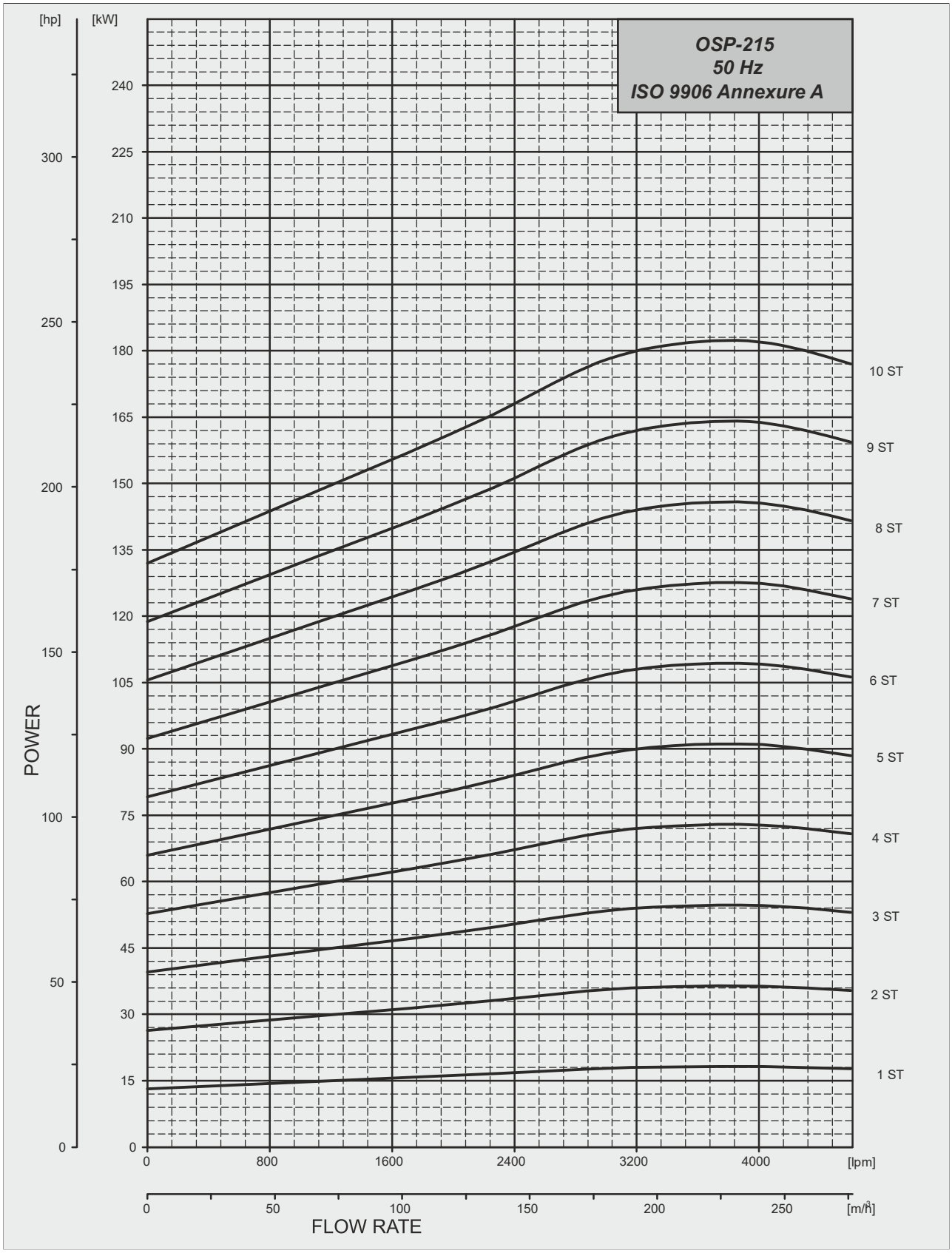
FROM : 1 STAGE TO 2 STAGE ALSO AVAILABLE WITH 8" MOTOR JOINING (8X12)

Note: MAX.DIA OF PUMP WITH ONE MOTOR CABLE
MAX.DIA OF PUMP WITH TWO MOTOR CABLE
All Length in mm

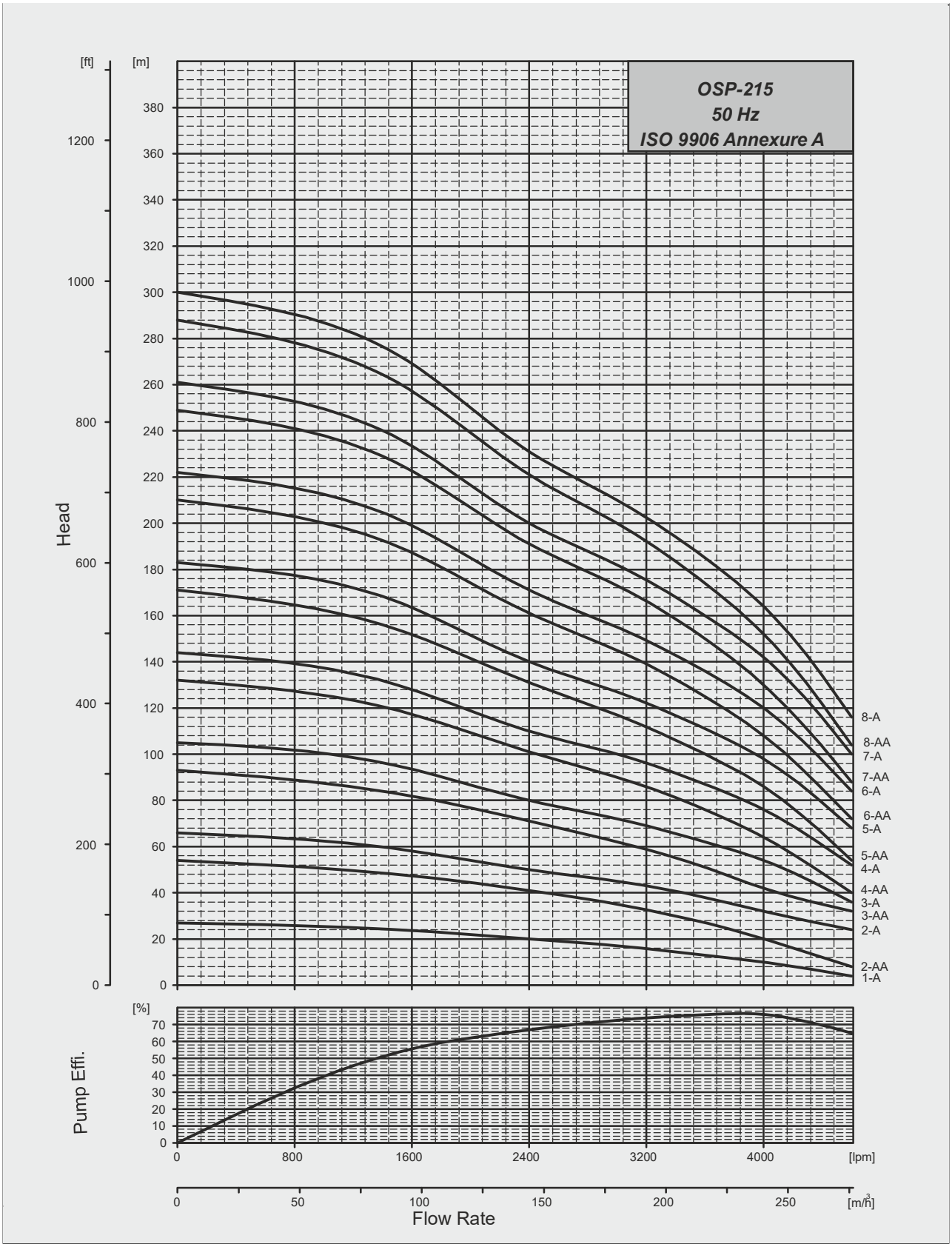
Performance Curves



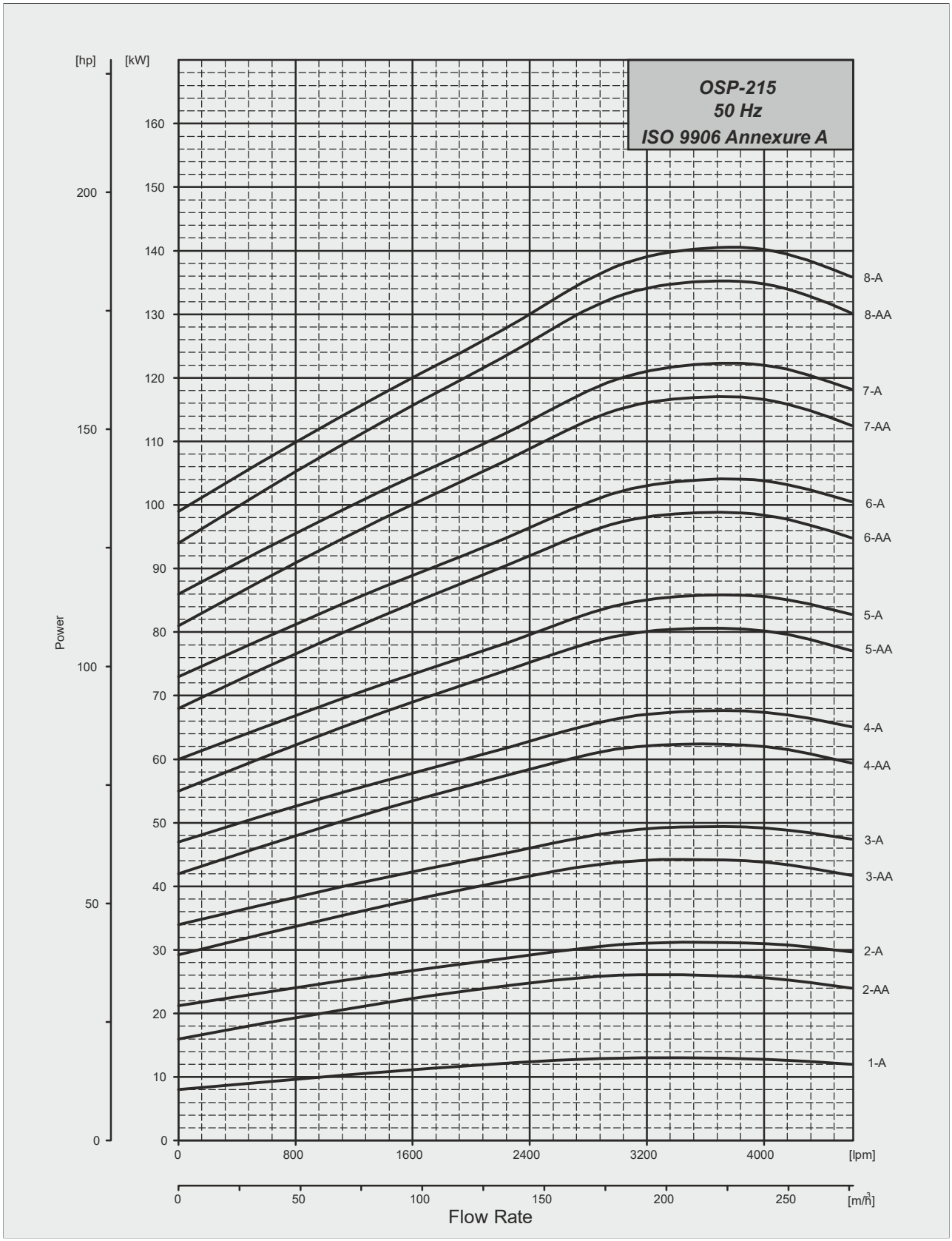
Power Curves



Performance Curves



Power Curves



6" Rewindable Motors Performance Data 50 Hz

P_n [Kw]	Thrust F[N]	U_N [V]	n_N [min-1]	I_N [A]	I_A [A]	η(Eff.) [%] at % load			Cos φ (PF) at % load			T_N [Nm]	T_A [Nm]
						50	75	100	50	75	100		
4	15500	380	2910	10.4	48	0.71	0.75	0.76	0.59	0.71	0.78	13.1	15.5
		400	2930	10.6	51	0.68	0.73	0.76	0.53	0.65	0.73	13.1	17.3
		415	2930	10.9	53	0.65	0.72	0.76	0.50	0.61	0.69	13.0	18.8
5.5	15500	380	2860	13.7	48	0.74	0.76	0.75	0.67	0.78	0.83	18.3	15.5
		400	2890	13.3	51	0.72	0.76	0.76	0.62	0.74	0.81	18.2	17.3
		415	2890	13.4	53	0.71	0.75	0.75	0.59	0.71	0.78	18.1	18.8
7.5	15500	380	2860	18.3	69	0.77	0.78	0.76	0.70	0.80	0.84	25.0	19.2
		400	2880	17.7	63	0.75	0.78	0.77	0.65	0.76	0.82	24.8	21.5
		415	2890	17.7	65	0.73	0.77	0.77	0.61	0.73	0.80	24.7	23.4
9.3	15500	380	2850	22.0	74	0.79	0.80	0.78	0.71	0.80	0.84	31.1	25.9
		400	2870	21.4	78	0.78	0.79	0.78	0.64	0.76	0.82	31.0	29.0
		415	2880	21.2	81	0.76	0.79	0.78	0.60	0.72	0.80	30.9	31.4
11.0	15500	380	2860	25.8	93	0.78	0.80	0.78	0.71	0.80	0.85	36.7	31.5
		400	2880	25.2	98	0.77	0.80	0.79	0.65	0.76	0.83	36.4	35.3
		415	2890	25.1	102	0.75	0.78	0.79	0.61	0.73	0.80	36.3	38.2
13.0	15500	380	2880	30.1	118	0.80	0.81	0.80	0.68	0.79	0.84	43.1	45.0
		400	2900	29.0	125	0.78	0.80	0.80	0.61	0.74	0.81	42.8	50.3
		415	2900	29.7	130	0.76	0.79	0.80	0.57	0.70	0.78	42.7	54.6
15.0	15500	380	2880	33.9	140	0.81	0.82	0.81	0.71	0.81	0.85	49.7	53.9
		400	2890	33.1	145	0.79	0.81	0.81	0.65	0.77	0.83	49.4	60.4
		415	2900	33.0	154	0.77	0.80	0.81	0.60	0.73	0.81	49.3	65.5
18.5	15500	380	2860	42.3	172	0.81	0.82	0.81	0.68	0.78	0.84	61.7	75.2
		400	2880	42.0	182	0.78	0.81	0.81	0.61	0.74	0.80	61.2	84.3
		415	2890	42.5	189	0.76	0.79	0.80	0.57	0.70	0.77	61.1	91.3
22.0	15500	380	2880	49.1	218	0.82	0.84	0.83	0.68	0.78	0.84	72.6	91.2
		400	2900	49.0	231	0.80	0.82	0.82	0.61	0.73	0.80	72.5	102.2
		415	2910	49.6	240	0.77	0.81	0.82	0.56	0.69	0.77	72.2	110.7
26.0	15500	380	2880	57.5	268	0.83	0.84	0.83	0.68	0.79	0.86	86.0	120.4
		400	2900	56.7	281	0.81	0.83	0.83	0.61	0.74	0.83	85.6	134.7
		415	2910	57.3	296	0.78	0.82	0.82	0.56	0.69	0.80	85.3	146.1
30.0	27500	380	2900	66.4	328	0.82	0.84	0.83	0.67	0.78	0.84	98.8	135.0
		400	2910	66.4	347	0.80	0.83	0.83	0.60	0.73	0.80	98.4	151.0
		415	2910	67.5	361	0.77	0.81	0.82	0.55	0.68	0.74	98.2	163.0
37.0	27500	380	2890	82.0	409	0.83	0.84	0.83	0.67	0.78	0.85	122.1	192.8
		400	2900	81.9	433	0.80	0.83	0.83	0.60	0.72	0.80	121.6	215.8
		415	2910	83.9	450	0.77	0.81	0.82	0.55	0.68	0.76	121.3	234.0

8" Rewindable Motors Performance Data 50 Hz

P_n [Kw]	Thrust F[N]	U_N [V]	n_N [min^{-1}]	I_N [A]	I_A [A]	η(Eff.) [%] at % load			Cos φ (PF) at % load			T_N [Nm]	T_A [Nm]
						50	75	100	50	75	100		
30	45000	380	2880	63	300	83.5	84.4	83.1	0.89	0.88	0.89	99	126
		400	2900	60	318	83.6	85.0	84.3	0.80	0.86	0.89	99	141
		415	2910	58	332	83.5	85.2	84.9	0.77	0.79	0.88	98	151
37	45000	380	2890	79	378	84.6	85.3	84.9	0.80	0.86	0.88	122	156
		400	2900	76	400	83.9	85.2	84.6	0.74	0.82	0.86	122	176
		415	2910	75	412	82.6	84.5	84.3	0.70	0.80	0.84	121	190
45	45000	380	2900	93	491	85.8	86.4	85.2	0.79	0.86	0.88	149	218
		400	2910	90	520	85.3	86.5	85.9	0.74	0.82	0.86	148	241
		415	2910	89	541	84.5	86.2	85.8	0.69	0.79	0.84	148	263
52	45000	380	2900	107	575	86.5	86.7	85.3	0.81	0.87	0.89	175	284
		400	2910	103	608	86.4	87.1	86.2	0.76	0.84	0.87	175	318
		415	2920	101	633	86.6	87.0	86.7	0.71	0.80	0.85	174	345
55	45000	380	2900	114	624	86.5	86.9	85.7	0.78	0.85	0.88	182	301
		400	2910	110	660	85.9	87.0	86.4	0.72	0.82	0.86	181	340
		415	2920	109	688	84.8	86.4	86.2	0.67	0.78	0.84	181	366
60	45000	380	2900	122	698	87.2	87.6	86.5	0.81	0.87	0.89	198	319
		400	2900	116	725	86.8	87.7	87.0	0.77	0.84	0.88	197	357
		415	2910	115	768	86.1	87.4	87.1	0.73	0.82	0.86	197	387
67	45000	380	2920	137	759	87.2	87.6	86.4	0.79	0.86	0.89	220	352
		400	2900	133	797	86.5	87.5	86.9	0.74	0.82	0.86	220	395
		415	2910	131	828	85.6	87.0	86.6	0.69	0.79	0.84	219	427
75	45000	380	2920	154	892	86.7	87.1	85.9	0.79	0.86	0.89	247	419
		400	2910	148	942	86.2	87.3	86.7	0.74	0.83	0.87	246	472
		415	2920	147	982	85.4	86.9	86.6	0.69	0.79	0.84	245	510
83	45000	380	2925	166	1019	87.8	88.3	87.2	0.81	0.87	0.89	275	483
		400	2910	160	1073	87.5	88.4	87.6	0.77	0.84	0.88	273	544
		415	2920	156	1120	87.2	88.4	88.0	0.73	0.82	0.86	273	586
93	45000	380	2910	188	1186	87.8	88.4	87.5	0.77	0.85	0.88	306	597
		400	2920	183	1276	87.2	88.3	87.8	0.71	0.81	0.86	305	626
		415	2930	184	1308	86.2	87.8	87.7	0.65	0.76	0.83	305	676

NOTES

Quality, Reliability, Excellence

OSWAL PUMPS

OSWAL

True Partner

ISO 9001:2015 CERTIFICATION

PAN INDIA PRESENCE

GLOBAL PRESENCE

Oswal Estate, NH-1, Kutail Road, P.O. Kutail - 132037
Distt. Karnal (Hry.) INDIA
+91 98962-66691
info@oswalpumps.com
www.oswalpumps.com

Scan Me