Oswal Pumps Ltd.

ISI · ISO 9001:2015 · BEE 5-Star

OSWAL
PUMPS & MOTORS
True Partner!

Oswal SS Submersible 50 Hz

Stainless-steel (AISI 304) borewell submersible pumps · OSP series · 4″ to 12″ borewells



Performance that runs deep

17 pump families · 486 models · fully fabricated AISI 304



4″
Radial-flow · 5 families



6″
Mixed-flow · 7 families



8″
Mixed-flow · 2 families



10″
Mixed-flow · 2 families



12″
Mixed-flow · 1 family

4″–12″	0.37–185 kW	276 m³/h	1008 m
borewell sizes	0.5–250 HP	max. flow (4,600 L/min)	max. head

www.oswalpumps.com

CONTENTS

SS Submersible Pumps · 50 Hz

Introduction P. 3

	Company profile	3
	Range overview	4
	General data · model key · curve conditions	5
	Features & benefits	6
	Energy efficiency & cost of ownership	7

4″ Submersible Pumps P. 8

	4″ range — general data	8
	Material of construction	9
OSP-2	performance, dimensions, curves	10
OSP-3	performance, dimensions, curves	13
OSP-5	performance, dimensions, curves	16
OSP-8	performance, dimensions, curves	19
OSP-14	performance, dimensions, curves	22

6″ Submersible Pumps P. 25

	6″ range — general data	25
	Cut view	26
	Material of construction OSP-9/12, 17/30, 40/46/60	27
OSP-9	performance, dimensions, curves	31
OSP-12	performance, dimensions, curves	40
OSP-17	performance, dimensions, curves	49
OSP-30	performance, dimensions, curves	61
OSP-46	performance, dimensions, curves	69
OSP-60	performance, dimensions, curves	79
OSP-40	performance, dimensions	87

8″ Submersible Pumps P. 89

	8″ range — general data	89
	Material of construction	90
OSP-77	performance, dimensions, curves	91
OSP-95	performance, dimensions, curves	99

10″ Submersible Pumps P. 107

	10″ range — general data	107
	Material of construction	108
OSP-125	performance, dimensions, curves	109
OSP-160	performance, dimensions, curves	117

12″ Submersible Pumps P. 123

	12″ range — general data	123
OSP-215	performance, dimensions, curves	124

Motors P. 130

	6″ rewindable motors	130
	8″ rewindable motors	131

COMPANY PROFILE

An integrated pump & motor manufacturer since 2000

Oswal Pumps Limited, established in 2000, has grown into one of India's first integrated plants of its kind — a world-class manufacturing facility backed by seasoned engineers and technicians.

Quality, service and value for the customer's money are the guiding principles at Oswal. We are one of the fastest-growing companies in submersible pumps, monoblock pumps and electric motors, pressure pumps, electric panels, submersible winding wires, cables and uPVC pipes — covering the domestic, agricultural and industrial range. Oswal is one of India's leading and largest manufacturers of stainless-steel pumps and submersible motors.

2000
year established

45,000 m²
plant on NH-1 near Kutail, Karnal

1,170+
distributors / agents across India

20
export countries — heading to 50

In-house manufacturing

- Stamping unit
- Aluminium die-casting for rotors
- Aluminium die-casting for motor bodies & parts
- Poly-wrapped & PVC winding wire for submersible motors
- Thrust bearings
- Plastic injection mouldings
- Stainless-steel investment casting
- Stainless-steel pipe
- Corrugated box facility
- Cast-iron casting plant
- Super-enamelled copper wire plant

Infrastructure & quality

- Own plant of 45,000 m² at a prestigious location on National Highway-1 near Kutail, Karnal, equipped with modern machinery for manufacturing pumps and motors.
- **ISO 9001:2015** certified company; products are **ISI** and **5-Star BEE** marked.
- More than 1,000 product varieties offered through a wide network of more than 1,170 distributors and agents — so that for every Oswal pump in use there is a sales and service outlet nearby.

Awards

National Udyog Rattan Award
15-09-2005 · Indian Organization for Business Research Association, New Delhi — for individual achievement in national development.

Bhartiya Udyog Rattan Award
01-12-2005 · Indian Economic Development & Research Association, New Delhi — for individual achievement in national development.

Oswal was the first company among a thousand participants to receive these awards for submersible pump sets.

Export

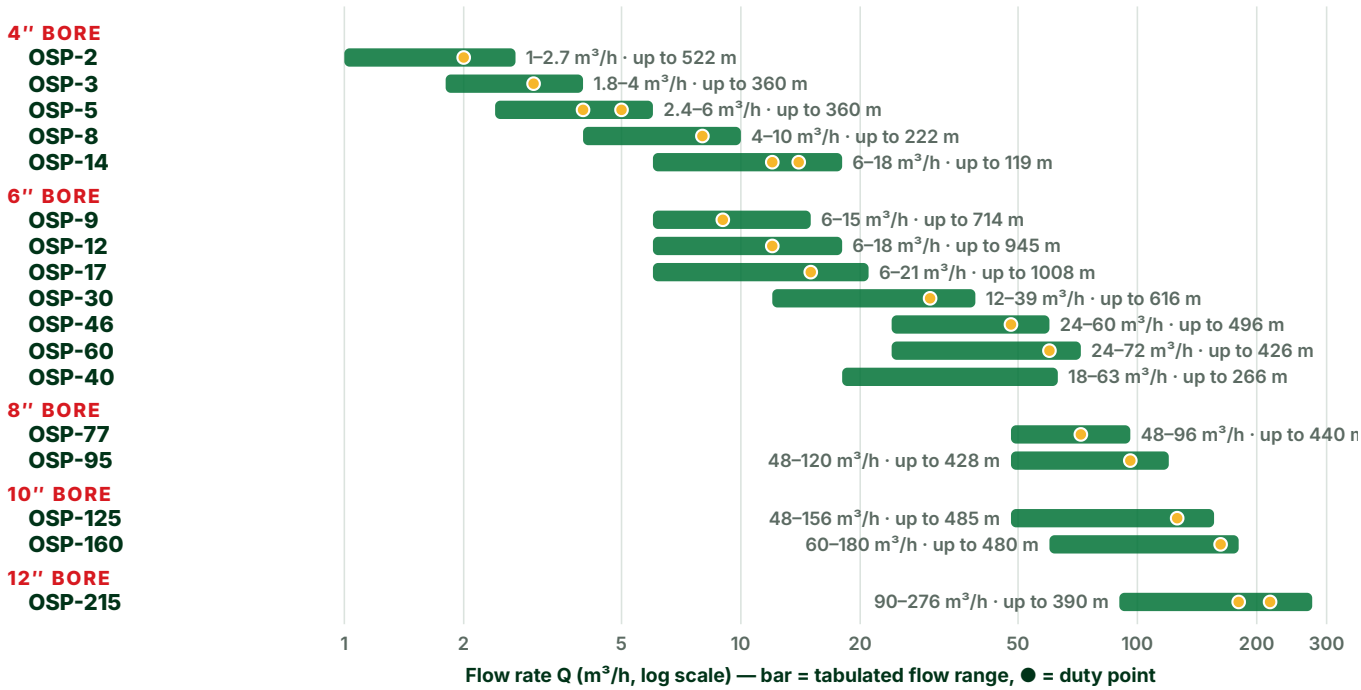
Exporting to 20 countries at present and heading to mark a presence in 50 countries. Oswal Pumps Limited assures you of quality products and the best service, always.

RANGE AT A GLANCE

17 families from 1 to 276 m³/h

Bore	Family	Duty point	Flow range (m³/h)	Flow range (L/min)	Max. head (m)	Power (kW)	Power (HP)	Outlet	Models
4″ 100 mm Radial-flow	OSP-2	2 m³/h	1–2.7	17–45	522	0.37–4.5	0.5–6	1¼″	13
	OSP-3	3 m³/h	1.8–4	30–67	360	0.37–4.5	0.5–6	1½″	13
	OSP-5	4 m³/h / 5 m³/h	2.4–6	40–100	360	0.37–5.5	0.5–7.5	1½″	12
	OSP-8	8 m³/h	4–10	67–187	222	0.75–5.5	1–7.5	2″	10
	OSP-14	12 m³/h / 14 m³/h	6–18	100–300	119	1.5–5.5	2–7.5	2″	5
6″ 150 mm Mixed-flow	OSP-9	9 m³/h	6–15	100–250	714	0.55–30	0.75–40	2″ BSP	47
	OSP-12	12 m³/h	6–18	100–300	945	0.55–45	0.75–60	2″ BSP	51
	OSP-17	15 m³/h	6–21	100–350	1008	0.55–55	0.75–75	2½″ BSP	55
	OSP-30	30 m³/h	12–39	200–650	616	1.1–55	1.5–75	3″ BSP	41
	OSP-46	48 m³/h	24–60	400–1000	496	1.1–55	1.5–75	4″ BSP	36
	OSP-60	60 m³/h	24–72	400–1200	426	1.5–55	2–75	4″ BSP	30
	OSP-40	–	18–63	300–1050	266	4–30	5.5–40	4″ BSP	22
8″ 200 mm Mixed-flow	OSP-77	72 m³/h	48–96	800–1600	440	5.5–93	7.5–125	5″ BSP	26
	OSP-95	96 m³/h	48–120	800–2000	428	5.5–93	7.5–125	5″ BSP	26
10″ 250 mm Mixed-flow	OSP-125	126 m³/h	48–156	800–2600	485	7.5–185	10–250	6″ BSP	36
	OSP-160	162 m³/h	60–180	1000–3000	480	9.3–185	12.5–250	6″ BSP	34
12″ 305 mm Mixed-flow	OSP-215	180 m³/h / 216 m³/h	90–276	1500–4600	390	15–185	20–250	6″	29

Hydraulic coverage



All values derived from the performance tables in this catalogue. Max. head = shut-off head (Q = 0) of the highest-stage model. Duty point = the flow column highlighted in each family's performance table.

GENERAL DATA

Quality built in, stage by stage

Oswal submersible pumps and motors are known for quality, reliability and excellent service. They are manufactured under the supervision of a highly qualified technical team, with stage-wise rigid inspection under TQM concepts.

The OSP series is of modular design for underwater operation and universal fit: all mounting dimensions of pumps and motors follow NEMA standards. Pumps are of fully fabricated SS-304 construction — light, easy to handle and long-lasting — with a duplex-steel pump shaft for high wear resistance. The company holds the BIS licence for the ISI mark and an ISO 9001 certified quality system.

Applications: hospitals, water circulation systems, government water-supply schemes, irrigation, farms, drip and sprinkler irrigation, gardening, nurseries, domestic water supply, multi-storey buildings, industrial water supply and hotels.

General data

Duty range	**150 to 3,600 L/min**
Pumped liquid	Clean, thin, non-aggressive water free from solid particles; chemically neutral and close to the characteristics of water
Max. ambient temperature	**50 °C**
Max. liquid temperature	**40 °C** (6″ motor, vertical, flow velocity past motor 0.15 m/s)
Max. sand content	**50 g/m³**
Min. suction head	**1.5 m**
Starts per hour	max. **30**, at regular intervals
Operating pressure	max. **67 bar**
Rotation	Clockwise as seen from the pump coupling side

Pump model key

OSP	95	A	B
Model type (Oswal stainless-steel pump)	Nominal flow rate in m³/h (× 16.67 = L/min)	1st impeller with reduced dia. (A, B, C)	2nd impeller with reduced dia. (A, B, C)

Full model code, e.g. **OSP-46/8-C(P4)50(6X6)**: family / stages-impeller trim, 50 Hz, (motor size × pump size) in inches. Motor joining V-4/V-6/V-8/V-10 = 4″/6″/8″/10″ motor.

Curve conditions

- **Q/H:** curves include losses such as NRV losses at actual speed; operation without a non-return valve increases the actual head at nominal performance by 0.5–1.0 m.
- **Power curve (P2, kW):** pump power for the particular stage count.
- **Efficiency curve:** pump stage efficiency.
- Curve tolerance to ISO 9906, Annex A & B; measured with airless water at 20 °C, kinematic viscosity 1 mm²/s, motor speed ≈ 2,850 min⁻¹. For liquids denser than water use correspondingly larger motors. Bold curves indicate the recommended performance range.

Connections — outlet Rp (inches)

Type	2	3	5	8	14	9	12	17	30	40	46	60	77	95	125	160	215
Bore	4″	4″	4″	4″	4″	6″	6″	6″	6″	6″	6″	6″	8″	8″	10″	10″	12″
SS grade	304	304	304	304	304	304	304	304	304	304	304	304	304	304	304	304	304
Rp BSP	1¼″	1½″	1½″	2″	2″	2″	2″	2½″	3″	4″	4″	4″	5″	5″	6″	6″	6″
NPT	–	1½″	1½″	2″	2″	2″	2″	3″	3″	–	4″	4″	5″	5″	6″	6″	6″

BSP sizes for OSP-2 and OSP-40 are taken from their performance tables; NPT versions are available for all sizes on request (“also available in NPT connection”).

FEATURES & BENEFITS

Stainless steel, inside and out

A wide pump range
Energy-efficient duty points across the range, with many stage counts and impeller trims to match any duty point.

High pump efficiency
Pump and motor efficiency matter more than price differences — example: pumping 30 m³/h at 60 m head, an efficient SS pump saves about 4 kWh every hour (≈ ₹4,60,000 in 10 years at 8 h/day).

Complete SS-304 construction
Good wear resistance and reduced risk of corrosion when pumping ordinary cold water with a minor chloride content.

Low installation cost
Low weight eases handling and reduces equipment, installation and service time; the pump is as good as new after service thanks to the wear-resistant stainless steel.

Bearings with sand channels
All bearings are water-lubricated and have an octagonal shape with channels that let sand particles pass.

Inlet strainer
Prevents particles above a certain size from entering the pump.

Non-return valve
Built into the valve casing to prevent back-flow at stoppage; its short closing time minimises the risk of destructive water hammer, and the casing is designed for minimum pressure loss.

Stop ring
Designed as a thrust bearing, it limits axial movement of the shaft and prevents damage in transport and from up-thrust at start-up.



Bearing with sand channels



Inlet strainer



Non-return valve



Stop ring (example: OSP-30)

Material & design for wear and corrosion resistance

Stainless-steel submersible pumps run very well in cold, clear water — but abrasive ground water carrying sand can quickly wear out both pump and motor. Oswal designed and developed the OSP series entirely in high-grade stainless steel with rubber of excellent quality, so that sand does not wear out the pump.

The purchase price is only a fraction of the total cost of owning and operating a pump. Energy and maintenance contribute about 95% of the total cost of ownership, so the OSP series is built to bring both down — through excellent hydraulic design and high-strength stainless steel with high wear resistance. Oswal can also assist with pump selection and installation.



ENERGY-EFFICIENT PUMPS

The cheapest pump is the one that uses the least energy

Calculate the energy cost in kWh/m³ including losses in motor, pump and cable. The comparison below uses an ordinary pump against the Oswal OSP-60 on the same duty (60 m³/h at 131 m).

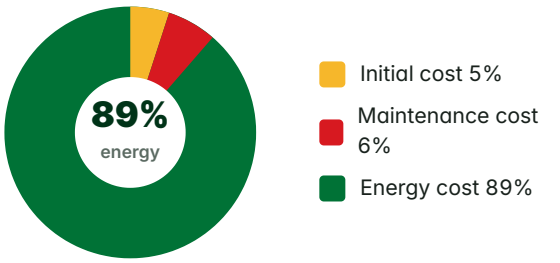
Comparison	Ordinary pump (XYZ Co.)	Oswal
Model	ABC	OSP-60
Power (HP / kW)	40 / 30	40 / 30
Stages	17	17
Head (m)	131	131
Flow (m³/h)	60	60
Cost (USD)	700	1,160
Cost (INR)	30,000	50,000
Motor efficiency	78%	84%
Pump efficiency	60%	75%
Overall efficiency	46.8%	63%
Input power	45.74 kW	34 kW
Energy per day (8 h)	365.9 kWh	272 kWh
Energy per year	1,33,553 kWh	99,280 kWh
Energy per 10 years	13,35,530 kWh	9,92,800 kWh
Energy cost, 10 years (USD)	1,66,941	1,24,100
Energy cost, 10 years (INR)	66,77,650	49,64,000

₹17,13,650
energy-cost saving over 10 years (USD 42,841)

34 kW
input power vs 45.74 kW — 26% less

63%
overall efficiency vs 46.8%

Life-cycle cost of a pump



Saving in energy cost alone: ₹17,13,650 in 10 years

The higher purchase price of an efficient OSP pump is recovered within months from lower energy bills — and the saving continues for the life of the pump.

1800 120 1882
info@oswalpumps.com

Example figures as published by Oswal (8 h/day operation). The original catalogue quotes a payback period of "105 days (less than 4 months)"; from the figures in the table (₹20,000 extra cost ÷ ₹17,13,650 saving over 3,650 days) the payback works out to ≈ 43 days — please confirm the intended figure before publishing.

4″

RADIAL-FLOW · 100 MM BOREWELL

4″ Submersible Pumps

Submersible motor and pump sets for 4″ (100 mm) borewells. All pump sizes to NEMA standard; completely made of AISI 304 stainless steel.

OSP-2 · OSP-3 · OSP-5 · OSP-8 · OSP-14



FLOW	HEAD	POWER	MODELS
1–18 m³/h	up to 522 m	0.37–5.5 kW	53
tabulated flow range	shut-off, highest stage	motor ratings	in 5 families

Construction

- Radial-flow hydraulics: OSP-2, OSP-3, OSP-5, OSP-8, OSP-14
- All sizes according to NEMA standard
- Completely AISI 304 stainless steel
- Also available with NPT connection

Applications

- Water supply
- Irrigation
- Civil and industrial applications
- Fire-fighting

Operating conditions

- Max. ambient temperature 50 °C
- Max. sand content 50 g/m³
- Min. suction head 1.5 m
- Max. 30 starts/hour at regular intervals
- Rotation clockwise seen from pump coupling side

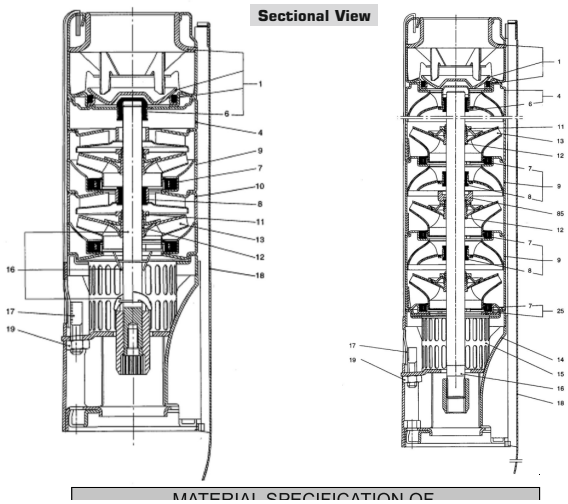
Flow, head and power figures above are derived from the performance tables in this section.

MATERIAL OF CONSTRUCTION

4" pumps — OSP-2, 3, 5, 8, 14

OSP-2 · 3 · 5 · 8 · 14

No.	Component	Material
1	Valve casing	SS-304
4	Top diffuser cup	SS-304
6	Top bearing bush	NBR
7	Neck ring	NBR + SS-304
8	Stage bearing bush	NBR
9	Diffuser cup	SS-304
10	1st-stage cup	SS-304
11	Split cone nut	SS-304
12	Split cone	SS-304
13	Impeller	SS-304
14	Suction case	SS-304
15	Strainer	SS-304
16	Pump shaft	SS-431
17	Strap	SS-304
18	Cable guard	SS-304
19	Nut	SS-304
19a	Nut	SS-304



Sectional views

4" · RADIAL FLOW

OSP-2

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
2 m³/h	1–2.7 m³/h	522 m	0.37–4.5 kW	1¼"	13

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	1	1.4	2	2.4	2.7
						0 L/min	17	23	33	40	45
OSP-2/6(P4)50(4X4)	0.37	0.5	6	V-4	1¼"	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

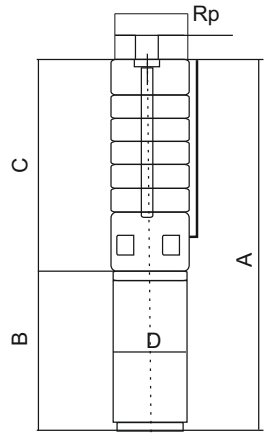
Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A.

OSP-2

— Dimensions & weights

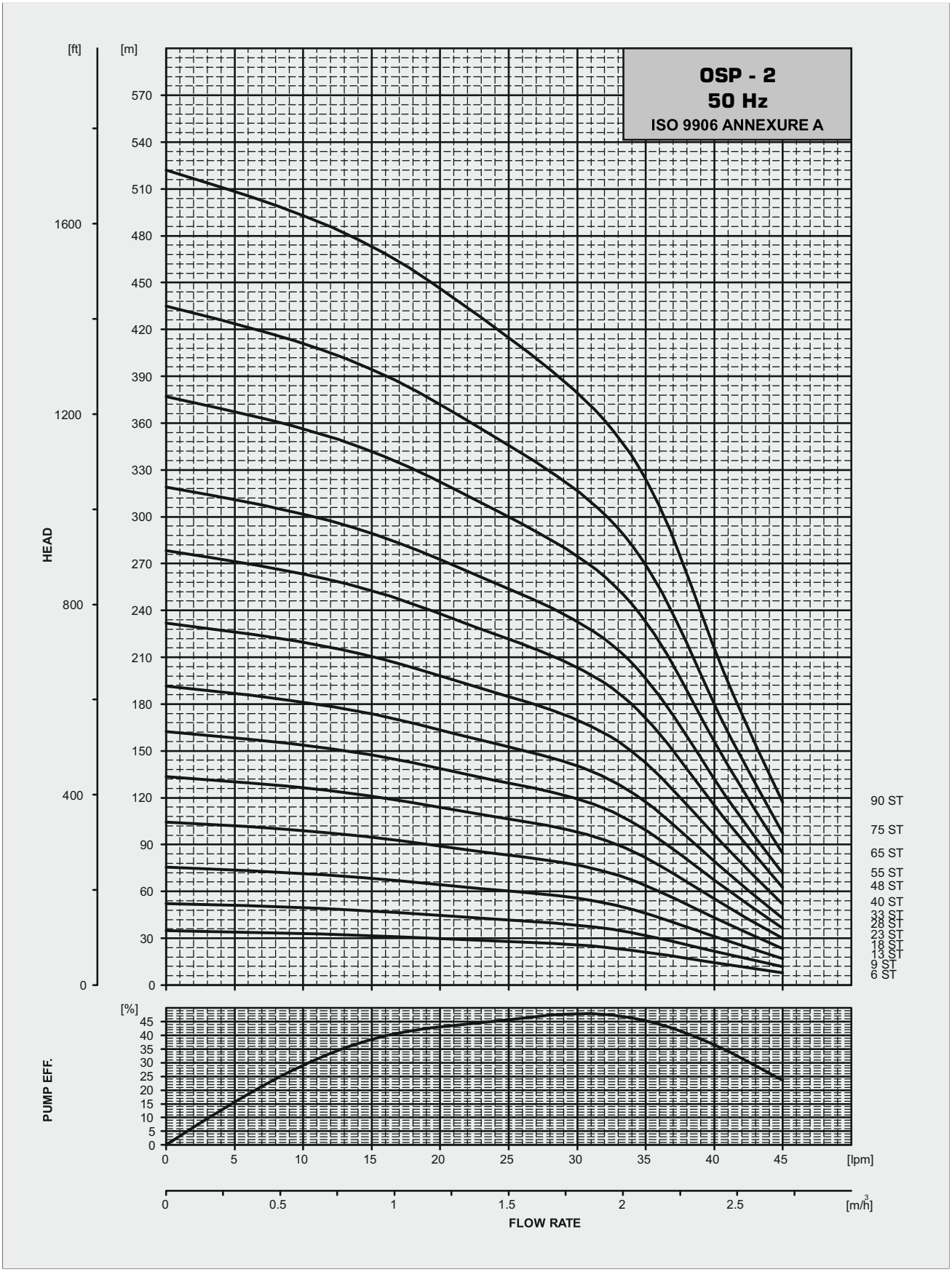
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-2/6(P4)50(4X4)	6	V-4	0.37	297	101	3.12	97
OSP-2/9(P4)50(4X4)	9	V-4	0.37	369	101	3.88	97
OSP-2/13(P4)50(4X4)	13	V-4	0.55	465	101	4.90	97
OSP-2/18(P4)50(4X4)	18	V-4	0.75	585	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

E* = max. diameter of pump with one motor cable. All lengths in mm.



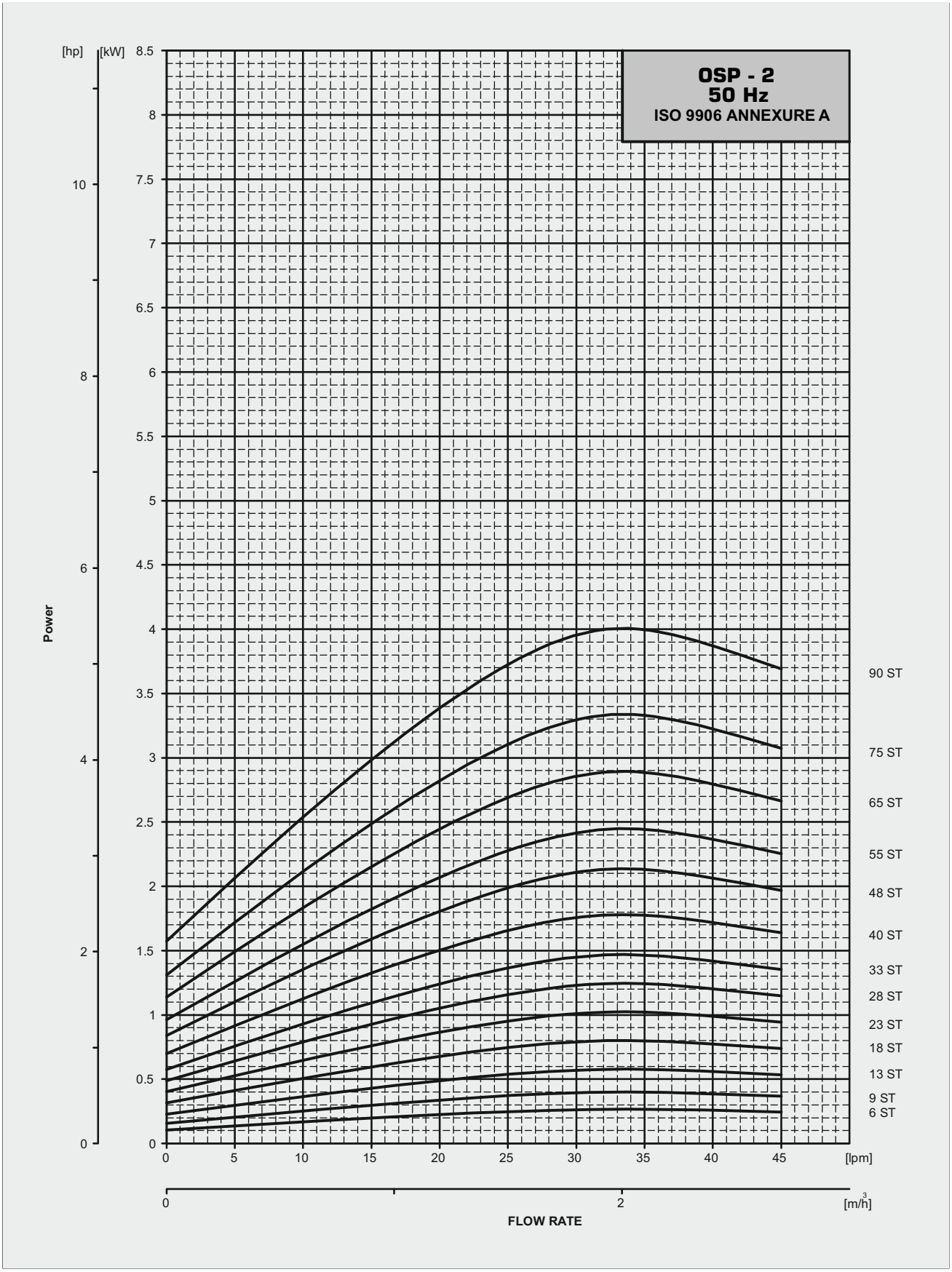
OSP-2 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-2 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4" · RADIAL FLOW

OSP-3

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
3 m³/h	1.8–4 m³/h	360 m	0.37–4.5 kW	1½"	13

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	1.8	2.4	3	3.6	4
						0 L/min	30	40	50	60	67
OSP-3/6(P4)50(4X4)	0.37	0.5	6	V-4	1½"	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

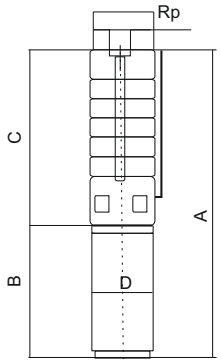
Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A.

OSP-3

— Dimensions & weights

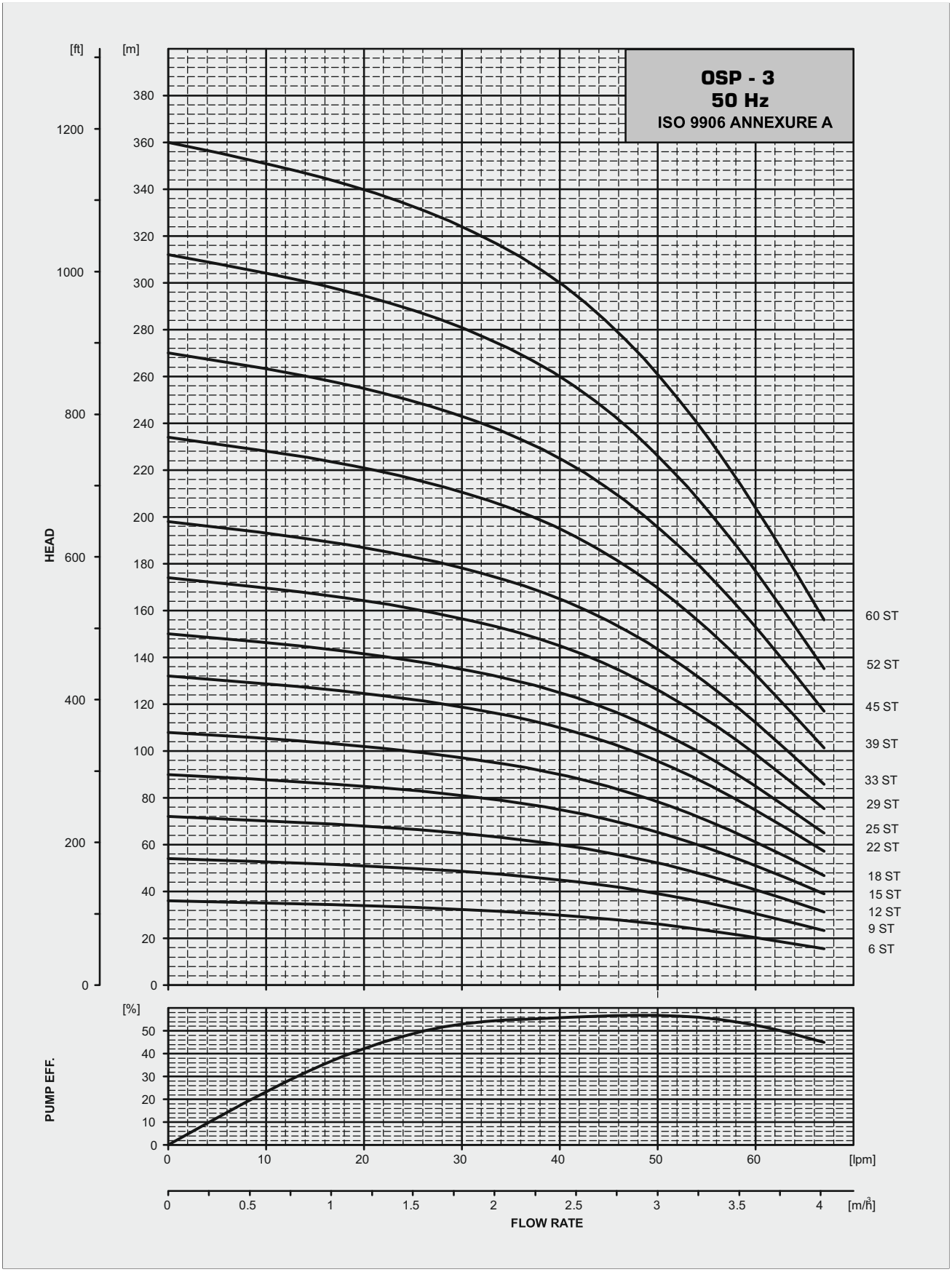
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-3/6(P4)50(4X4)	6	V-4	0.37	297	101	3.12	97
OSP-3/9(P4)50(4X4)	9	V-4	0.55	369	101	3.88	97
OSP-3/12(P4)50(4X4)	12	V-4	0.75	441	101	4.64	97
OSP-3/15(P4)50(4X4)	15	V-4	1.1	513	101	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

E* = max. diameter of pump with one motor cable. All lengths in mm.



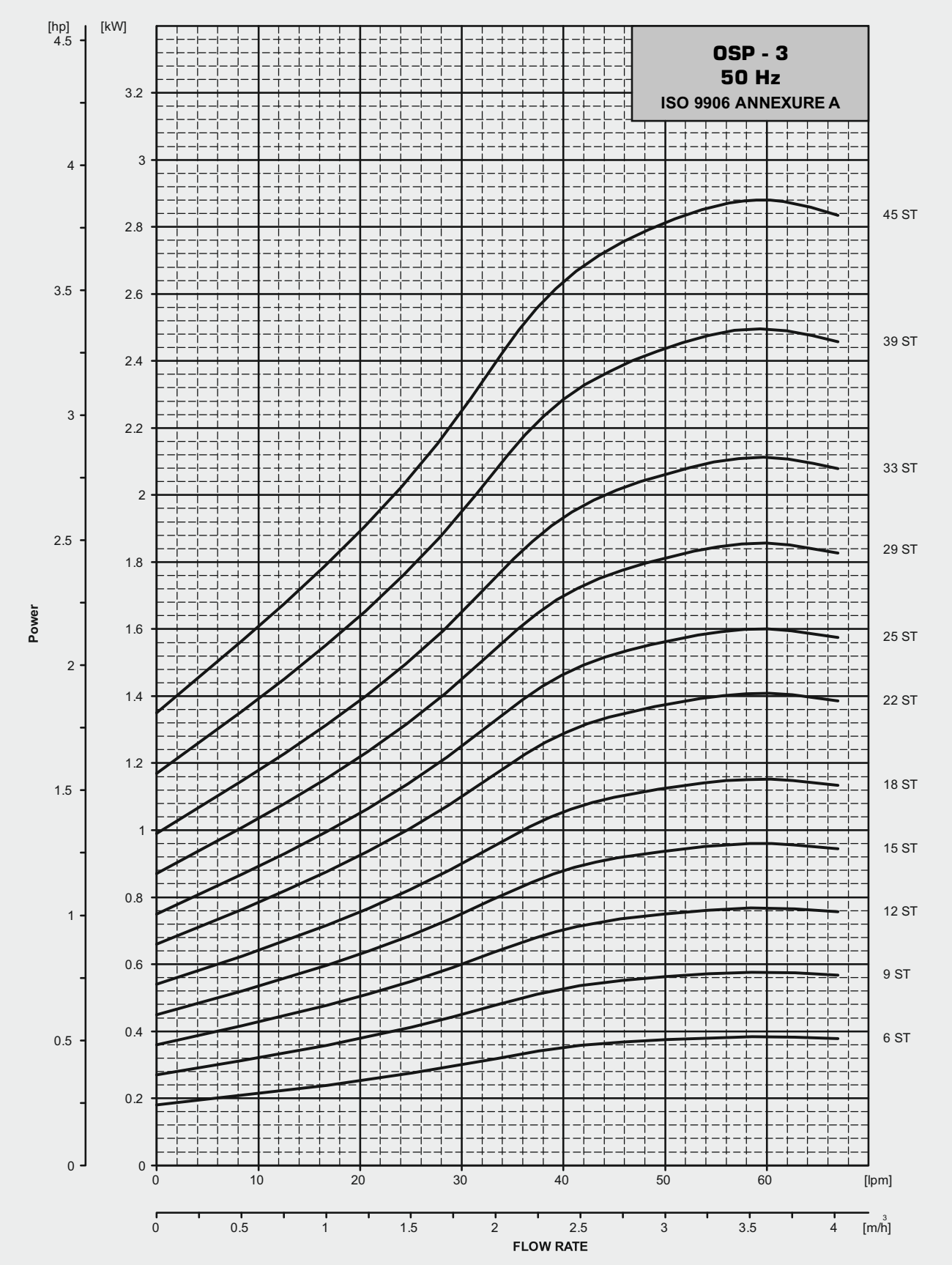
OSP-3 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-3 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4" · RADIAL FLOW

OSP-5

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
4 m³/h / 5 m³/h	2.4–6 m³/h	360 m	0.37–5.5 kW	1½"	12

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	2.4	3.4	4	5	6
						0 L/min	40	57	67	83	100
OSP-5/4(P4)50(4X4)	0.37	0.5	4	V-4	1½"	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

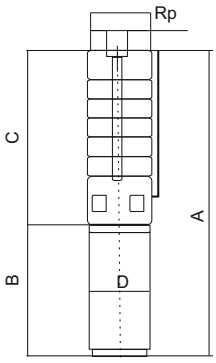
Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A.

OSP-5

— Dimensions & weights

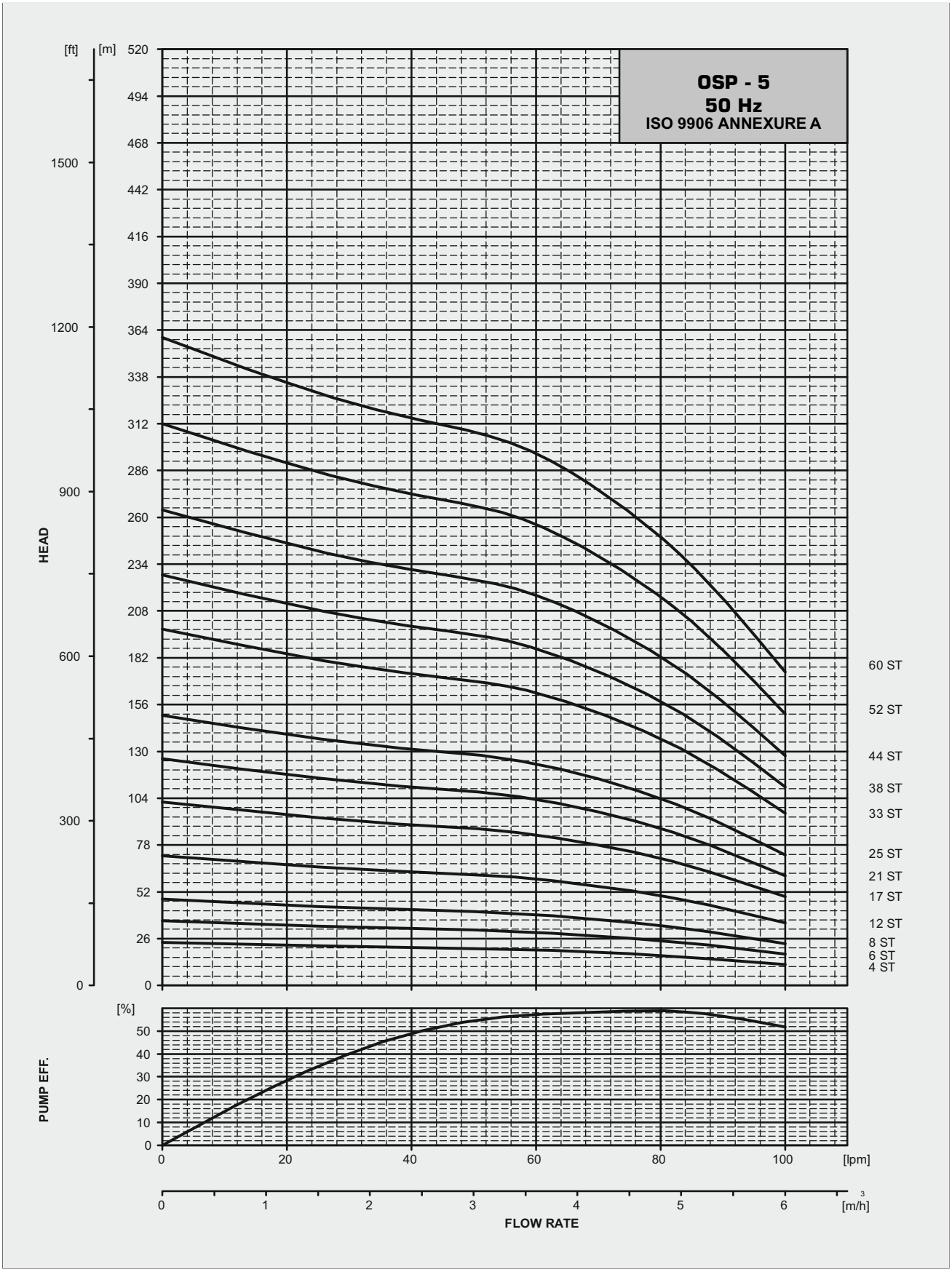
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-5/4(P4)50(4X4)	4	V-4	0.37	249	101	2.61	97
OSP-5/6(P4)50(4X4)	6	V-4	0.55	297	101	3.12	97
OSP-5/8(P4)50(4X4)	8	V-4	0.75	345	101	3.63	97
OSP-5/12(P4)50(4X4)	12	V-4	1.1	441	101	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

E* = max. diameter of pump with one motor cable. All lengths in mm.



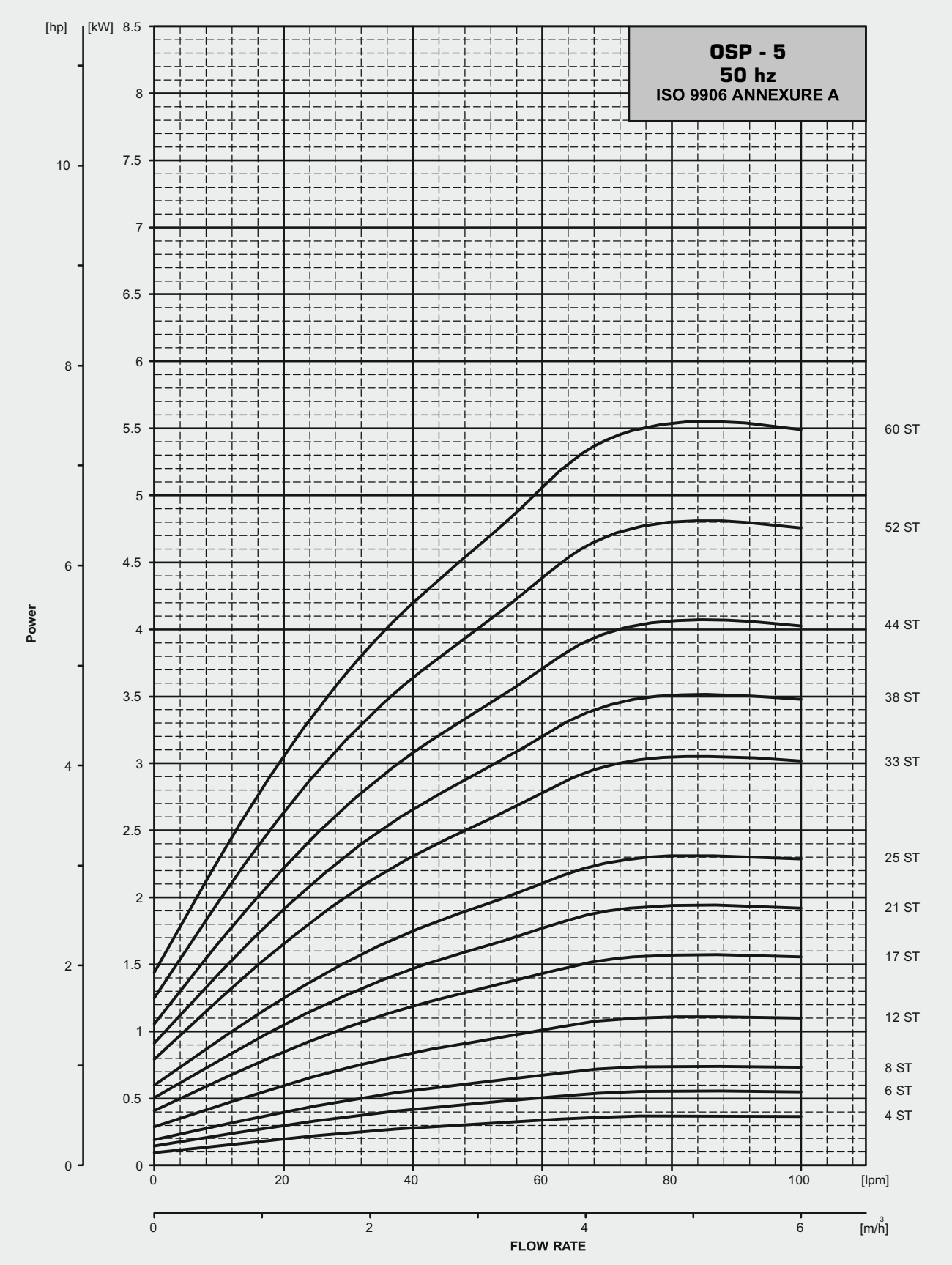
OSP-5 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-5 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4" · RADIAL FLOW

OSP-8

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
8 m³/h	4–10 m³/h	222 m	0.75–5.5 kW	2"	10

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	4	6	8	9	10
						0 L/min	67	100	133	150	187
OSP-8/5(P4)50(4X4)	0.75	1	5	V-4	2"	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

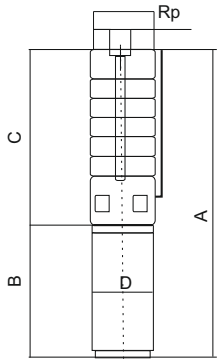
Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A.

OSP-8

— Dimensions & weights

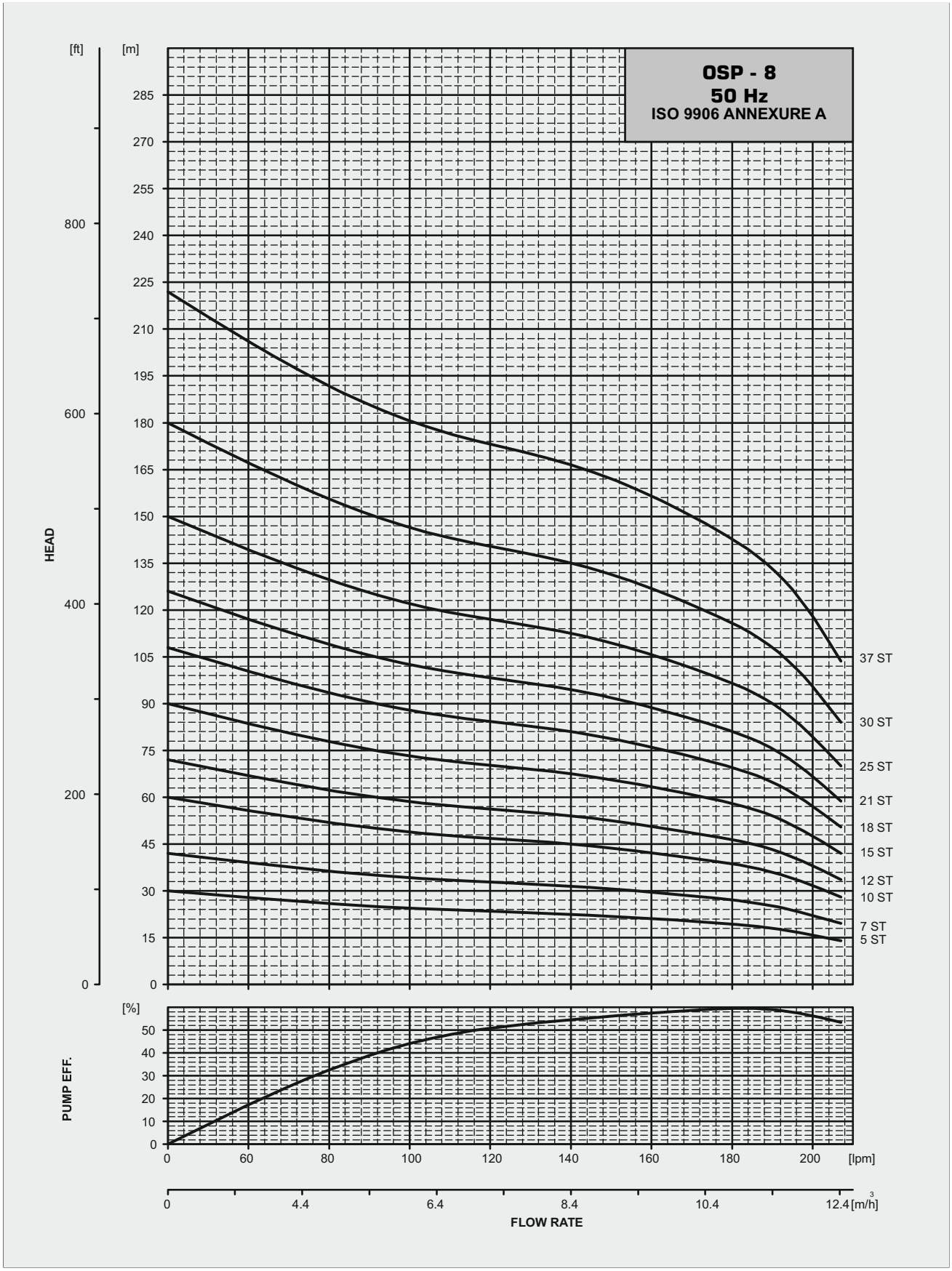
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-8/3(P4)50(4X4)	3	V-4	0.75	333	98	4.0	97
OSP-8/5(P4)50(4X4)	5	V-4	1.1	417	98	5.0	97
OSP-8/7(P4)50(4X4)	7	V-4	1.5	501	98	6.0	97
OSP-8/9(P4)50(4X4)	9	V-4	2.2	585	98	7.0	97
OSP-8/12(P4)50(4X4)	12	V-4	3	711	98	8.5	97
OSP-8/15(P4)50(4X4)	15	V-4	4	837	98	10.0	97
OSP-8/18(P4)50(4X4)	18	V-4	5.5	963	98	11.5	97
OSP-8/21(P4)50(4X4)	21	V-4	5.5	1089	98	13.0	97
OSP-8/25(P4)50(4X4)	25	V-4	5.5	1257	98	15.0	97
OSP-8/30(P4)50(4X4)	30	V-4	7.5	1467	98	17.5	97
OSP-8/37(P4)50(4X4)	37	V-4	7.5	1761	98	21.0	97

E* = max. diameter of pump with one motor cable. All lengths in mm.



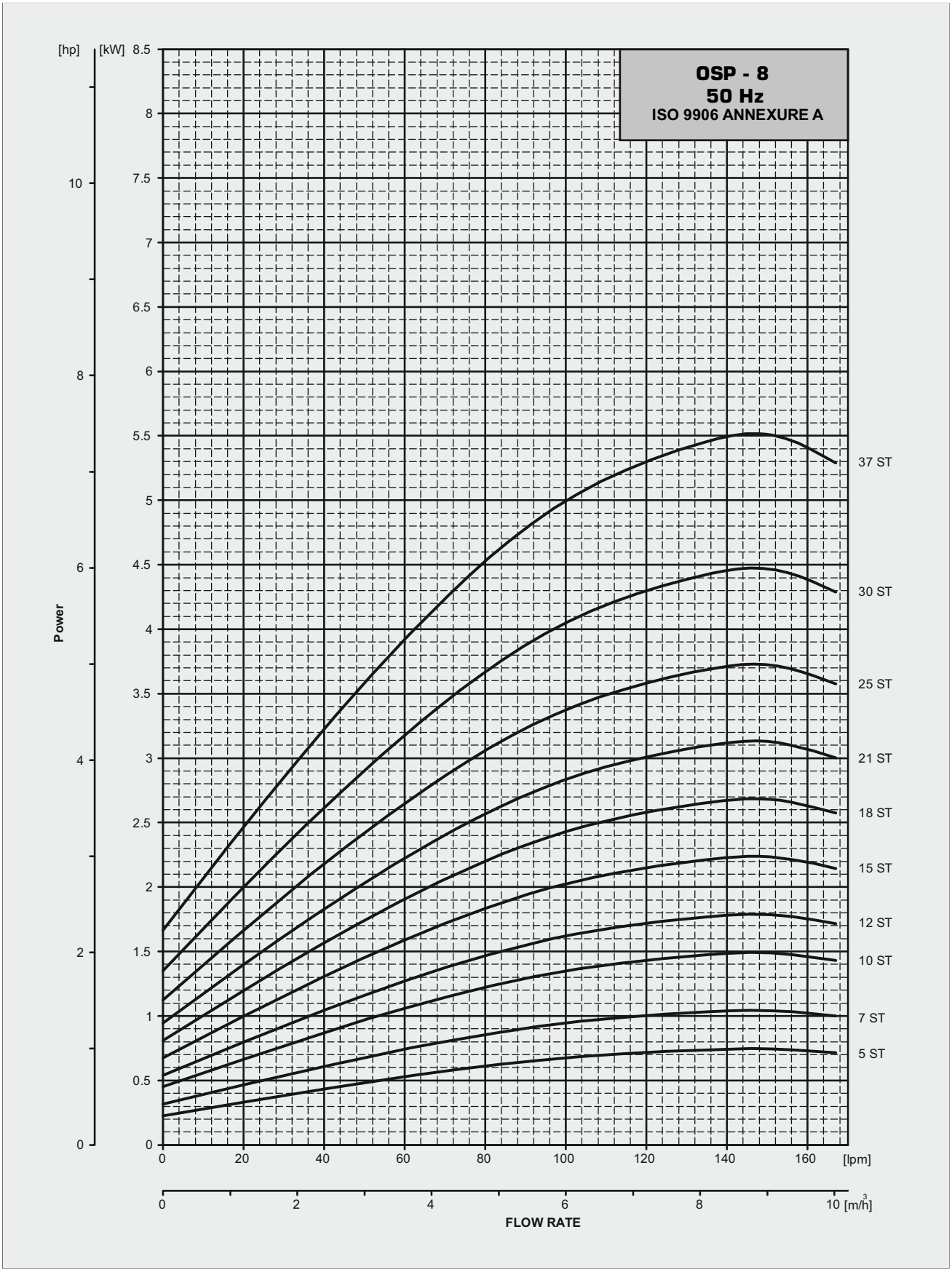
OSP-8 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-8 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4″ · RADIAL FLOW

OSP-14

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
12 m³/h / 14 m³/h	6–18 m³/h	119 m	1.5–5.5 kW	2″	5

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	6	12	14	15	18
						0 L/min	100	200	233	250	300
OSP-14/5(P4)50(4X4)	1.5	2	5	V-4	2″	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

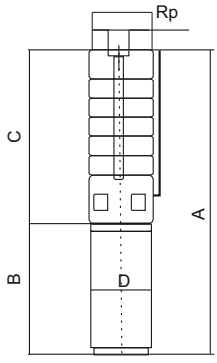
Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A.

OSP-14

— Dimensions & weights

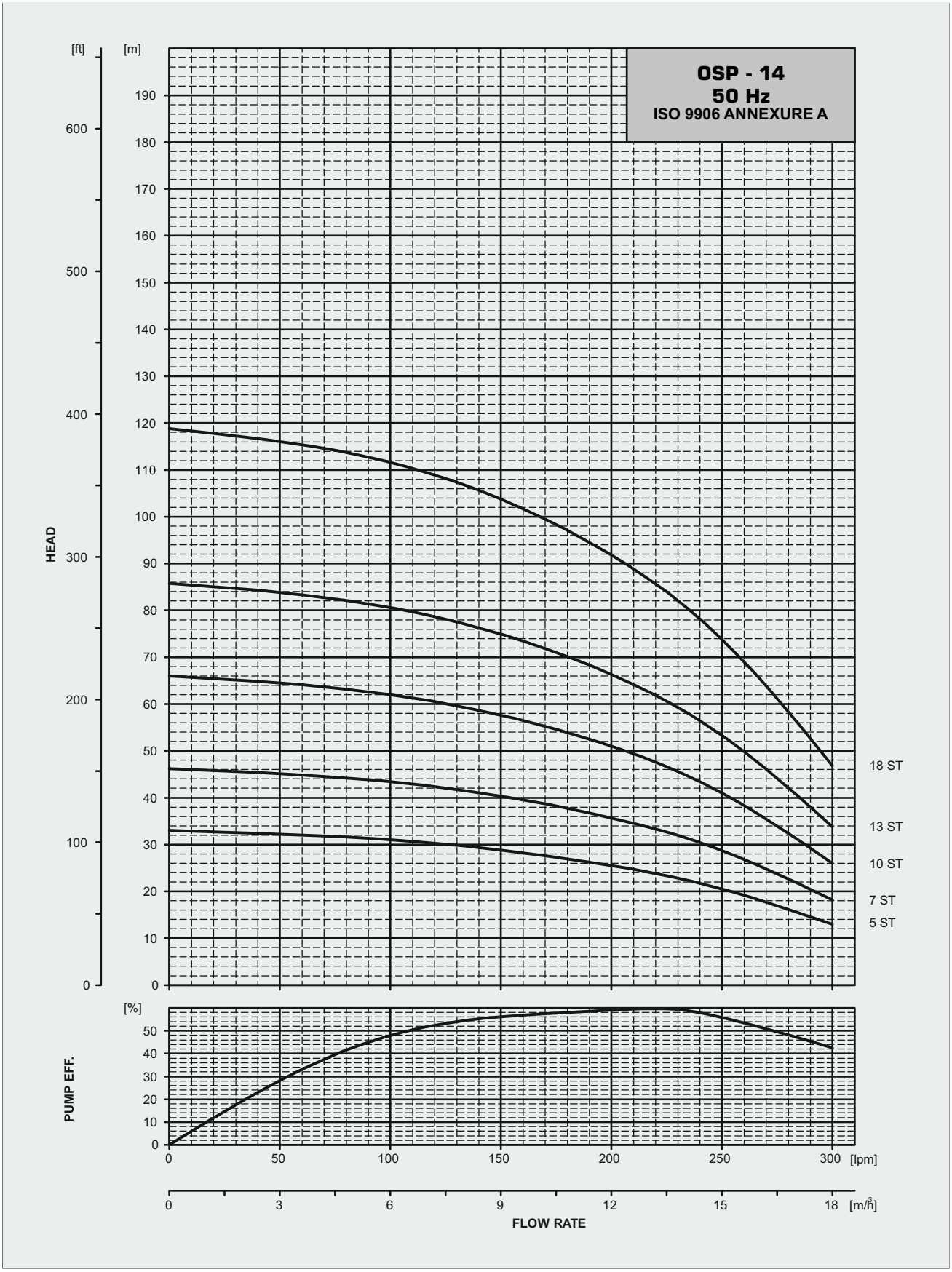
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-14/5(P4)50(4X4)	5	V-4	1.5	510	101	6.10	97
OSP-14/7(P4)50(4X4)	7	V-4	2.2	640	101	7.62	97
OSP-14/10(P4)50(4X4)	10	V-4	3	835	101	9.89	97
OSP-14/13(P4)50(4X4)	13	V-4	4.5	1030	101	12.16	97
OSP-14/18(P4)50(4X4)	18	V-4	5.5	1355	101	15.95	97

E* = max. diameter of pump with one motor cable. All lengths in mm.



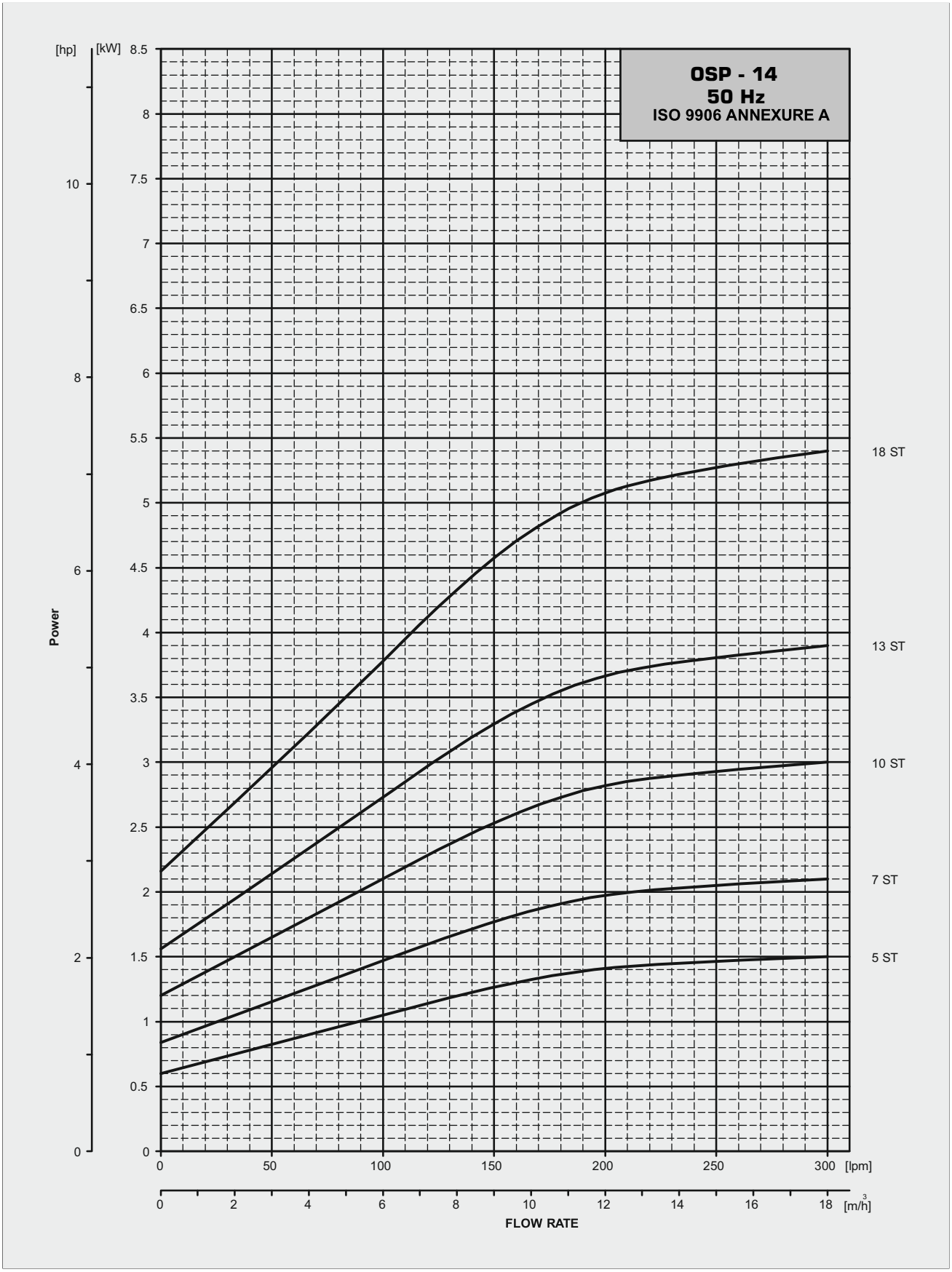
OSP-14 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-14 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



6″

MIXED-FLOW · 150 MM BOREWELL

6″ Submersible Pumps

Submersible motor and pump sets for 6″ (150 mm) borewells. All pump sizes to NEMA standard; completely made of AISI 304 stainless steel.

OSP-9 · OSP-12 · OSP-17 · OSP-30 · OSP-4

OSP-60 · OSP-40



FLOW	HEAD	POWER	MODELS
6–72 m³/h	up to 1008 m	0.55–55 kW	282
tabulated flow range	shut-off, highest stage	motor ratings	in 7 families

Construction

- Mixed-flow hydraulics: OSP-9, OSP-12, OSP-17, OSP-30, OSP-46, OSP-60, OSP-40
- All sizes according to NEMA standard
- Completely AISI 304 stainless steel
- Also available with NPT connection

Applications

- Water supply
- Irrigation
- Civil and industrial applications
- Fire-fighting

Operating conditions

- Max. ambient temperature 50 °C
- Max. sand content 50 g/m³
- Min. suction head 1.5 m
- Max. 30 starts/hour at regular intervals
- Rotation clockwise seen from pump coupling side

Flow, head and power figures above are derived from the performance tables in this section.

CUT VIEW

Inside a 6'' OSP submersible pump



Non-return valve

All pumps are equipped with a reliable non-return valve that prevents back-flow when the pump stops. Its short closing time reduces the risk of destructive water hammer to a minimum, and the valve casing is designed for optimum hydraulics — minimising pressure loss across the valve and contributing to the high efficiency of the pump.

Bearings with sand channels

All bearings are water-lubricated and have an octagonal shape with channels that let sand particles pass.

Stop ring

Designed as a thrust bearing, the stop ring limits axial movement of the pump shaft and prevents damage during transport and from up-thrust at start-up.

Inlet strainer

Prevents particles above a certain size from entering the pump.

Fabricated SS-304 construction

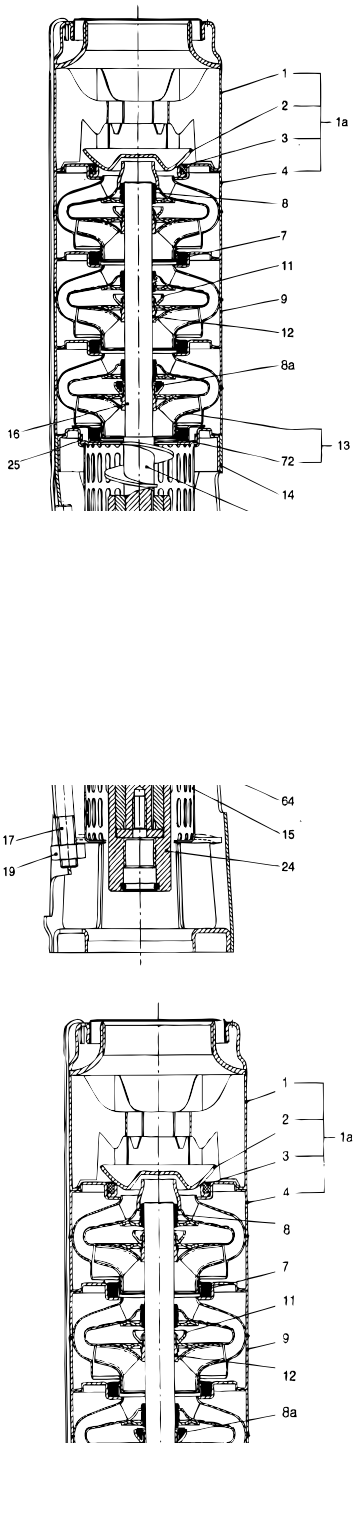
Light, easy to handle and wear-resistant; pump shaft in SS-431.

MATERIAL OF CONSTRUCTION

OSP-9 and OSP-12

OSP-9 / OSP-12 IDENTICAL SPECIFICATION

No.	Component	Material
1	Valve casing	SS-304
1a	Discharge chamber complete	SS-304
2	Valve cup	SS-304
3	Valve seat	Stainless steel
4	Top intermediate chamber	SS-304
7	Neck ring	NBR / PPS
8	Intermediate bearing	NBR
9	Spacing washer	Carbon/graphite HY22 in PTFE mass
8a	Intermediate chamber	SS-304
11	Split cone nut	SS-304
12	Split cone	SS-304
13	Impeller	SS-304
14	Suction interconnector	SS-304
15	Strainer	SS-304
16	Pump shaft	SS-431
17	Strap	SS-304
18	Cable guard	SS-304
72	Wear ring	SS-304
75	Spacer ring	SS-304



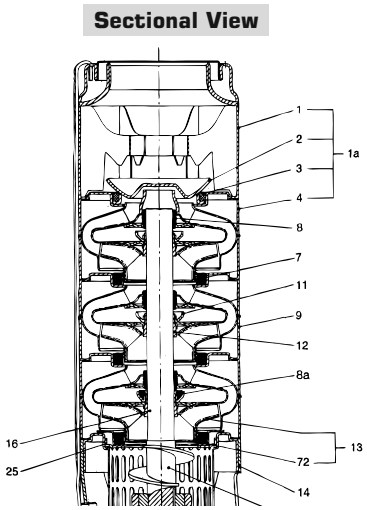
Sectional views OSP-9 (top) · OSP-12

MATERIAL OF CONSTRUCTION

OSP-17

OSP-17

No.	Component	Material
1	Valve casing	SS-304
1a	Discharge chamber complete	SS-304
2	Valve cup	SS-304
3	Valve seat	Stainless steel
4	Top intermediate chamber	SS-304
7	Neck ring	NBR / PPS
8	Intermediate bearing	NBR
9	Spacing washer	Carbon/graphite HY22 in PTFE mass
8a	Intermediate chamber	SS-304
11	Split cone nut	SS-304
12	Split cone	SS-304
13	Impeller	SS-304
14	Suction interconnector	SS-304
15	Strainer	SS-304
16	Pump shaft	SS-431
17	Strap	SS-304
18	Cable guard	SS-304
72	Wear ring	SS-304
75	Spacer ring	SS-304
78	Nameplate	SS-304



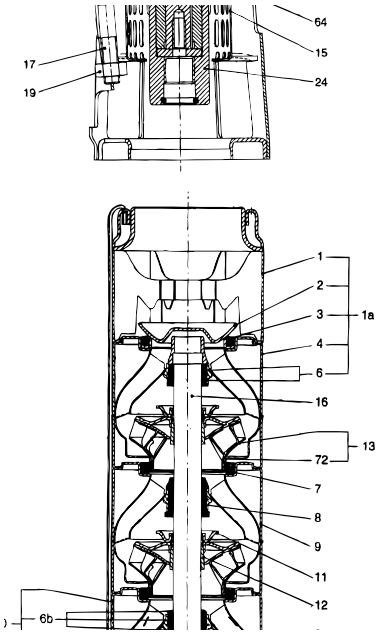
Sectional view OSP-17

MATERIAL OF CONSTRUCTION

OSP-30

OSP-30

No.	Component	Material
1	Valve casing	SS-304
1a	Discharge chamber complete	SS-304
2	Valve cup	SS-304
3	Valve seat	SS + NBR
4	Top intermediate chamber	SS-304
6	Upper bearing / cap	NBR / SS-304
6b	Lower bearing / cap	NBR / SS-304
7	Neck ring	NBR + SS
8	Intermediate bearing	NBR
8a	Spacing washer for stop ring	Carbon/graphite HY22 in PTFE mass
8b	Stop ring	SS-304
9	Intermediate chamber	SS-304
10	Bottom intermediate chamber	SS-304
11	Split cone nut	SS-304
12	Split cone	SS-304
13	Impeller	SS-304
14	Suction interconnector	SS-304
15	Strainer	SS-304
16	Pump shaft	SS-431
17	Strap	SS-304
18	Cable guard	SS-304
19	Nut	SS-304
19a	Nut	SS-304
23	Rubber guard	Rubber
25	Neck ring retainer	SS-304
72	Wear ring	SS-304



Sectional view OSP-30

MATERIAL OF CONSTRUCTION

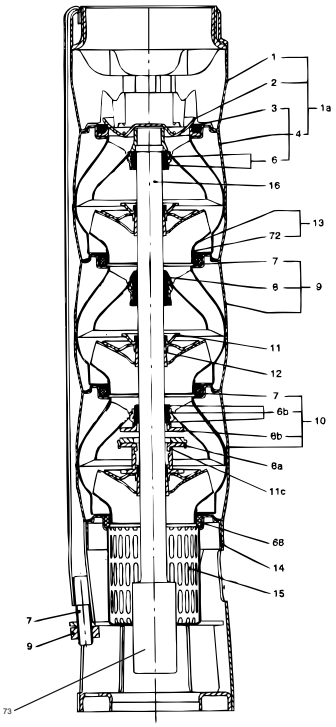
OSP-46 and OSP-60

OSP-46 / OSP-60

No.	Component	Material
1	Valve casing	SS-304
1a	Discharge chamber complete	SS-304
2	Valve cup	SS-304
3	Valve seat	SS + NBR
4	Top chamber	SS-304
6	Upper bearing / cap	NBR / SS-304
6b	Lower bearing / cap	NBR / SS-304
7	Neck ring	NBR + SS
8	Bearing	NBR
8a	Washer for stop ring	Carbon/graphite HY22 in PTFE mass
8b	Stop ring	SS-304
9	Intermediate chamber	SS-304
10	Bottom chamber complete	SS-304
11	Split cone nut	SS-304
11c	Nut for stop ring	SS-304
12	Split cone	SS-304
13	Impeller	SS-304
14	Suction interconnector	SS-304
15	Strainer	SS-304
16	Pump shaft	SS-431
17	Strap	SS-304
18	Cable guard	SS-304
18a	Cheese-head screw for cable guard	SS-304
19	Nut	SS-304
72	Wear ring	SS-304
73	Coupling	SS-304

OSP-40 is supplied in the same 6" mixed-flow construction; the source catalogue does not publish a separate material list for it.

Sectional View



Sectional view

6″ · MIXED FLOW

OSP-9

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
9 m³/h	6–15 m³/h	714 m	0.55–30 kW	2″ BSP	47

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q				
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	6	9	12	15
						0 L/min	100	150	200	250
OSP-9/1(P4)50(4X6)	0.55	0.75	1	V-4	2″ BSP	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	4	6	V-4	2″ BSP	63	59	**53**	45	37
OSP-9/7(P4)50(4X6)	3	4	7	V-4	2″ BSP	74	69	**62**	53	43
OSP-9/8(P4)50(6X6)	4	5.5	8	V-6	2″ BSP	84	78	**70**	60	50
OSP-9/9(P4)50(6X6)	4	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

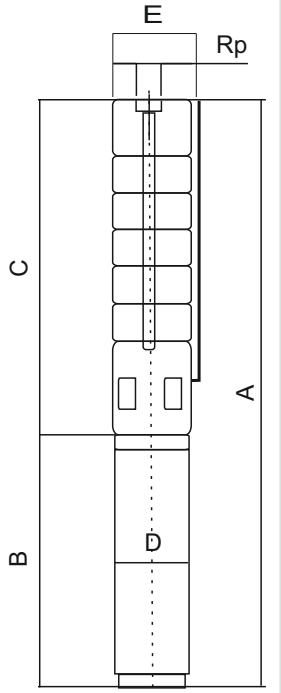
OSP-9
— Performance table (cont.)

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q				
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	6	9	12	15
						0 L/min	100	150	200	250
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
OSP-9/52(P4)50(6X6)	22	30	52	V-6	2″ BSP	546	510	**458**	390	222
OSP-9/60(P4)50(6X6)	30	40	60	V-6	2″ BSP	630	588	**528**	450	372
OSP-9/68(P4)50(6X6)	30	40	68	V-6	2″ BSP	714	666	**598**	510	422

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

OSP-9
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	641	143	145	11.58	97
OSP-9/7(P4)50(4X6)	7	V-4	3	702	143	145	12.82	97
OSP-9/8(P4)50(6X6)	8	V-6	4	763	143	145	15.88	144
OSP-9/9(P4)50(6X6)	9	V-6	4	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	1678	143	145	34.50	144
OSP-9/24(P4)50(6X6)	24	V-6	11	1739	143	145	35.74	144
OSP-9/25(P4)50(6X6)	25	V-6	11	1800	143	145	36.98	144
OSP-9/26(P4)50(6X6)	26	V-6	11	1861	143	145	38.22	144
OSP-9/27(P4)50(6X6)	27	V-6	13	1922	143	145	39.46	144
OSP-9/28(P4)50(6X6)	28	V-6	13	1983	143	145	40.70	144
OSP-9/29(P4)50(6X6)	29	V-6	13	2044	143	145	41.94	144
OSP-9/30(P4)50(6X6)	30	V-6	13	2105	143	145	43.18	144
OSP-9/31(P4)50(6X6)	31	V-6	13	2166	143	145	44.42	144
OSP-9/32(P4)50(6X6)	32	V-6	15	2227	143	145	45.66	144
OSP-9/33(P4)50(6X6)	33	V-6	15	2288	143	145	46.91	144
OSP-9/34(P4)50(6X6)	34	V-6	15	2349	143	145	48.15	144
OSP-9/35(P4)50(6X6)	35	V-6	15	2410	143	145	49.39	144
OSP-9/36(P4)50(6X6)	36	V-6	15	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

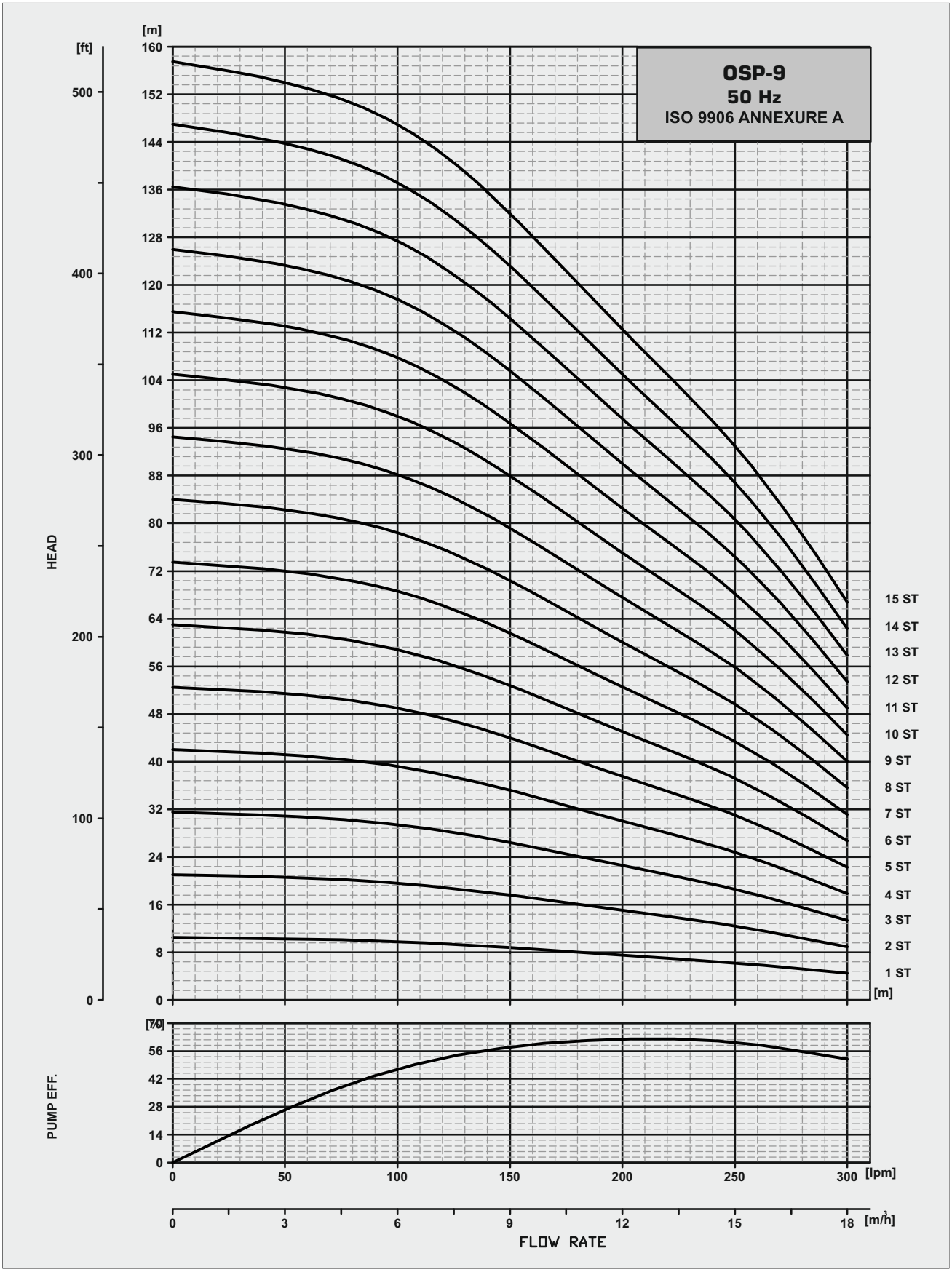


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

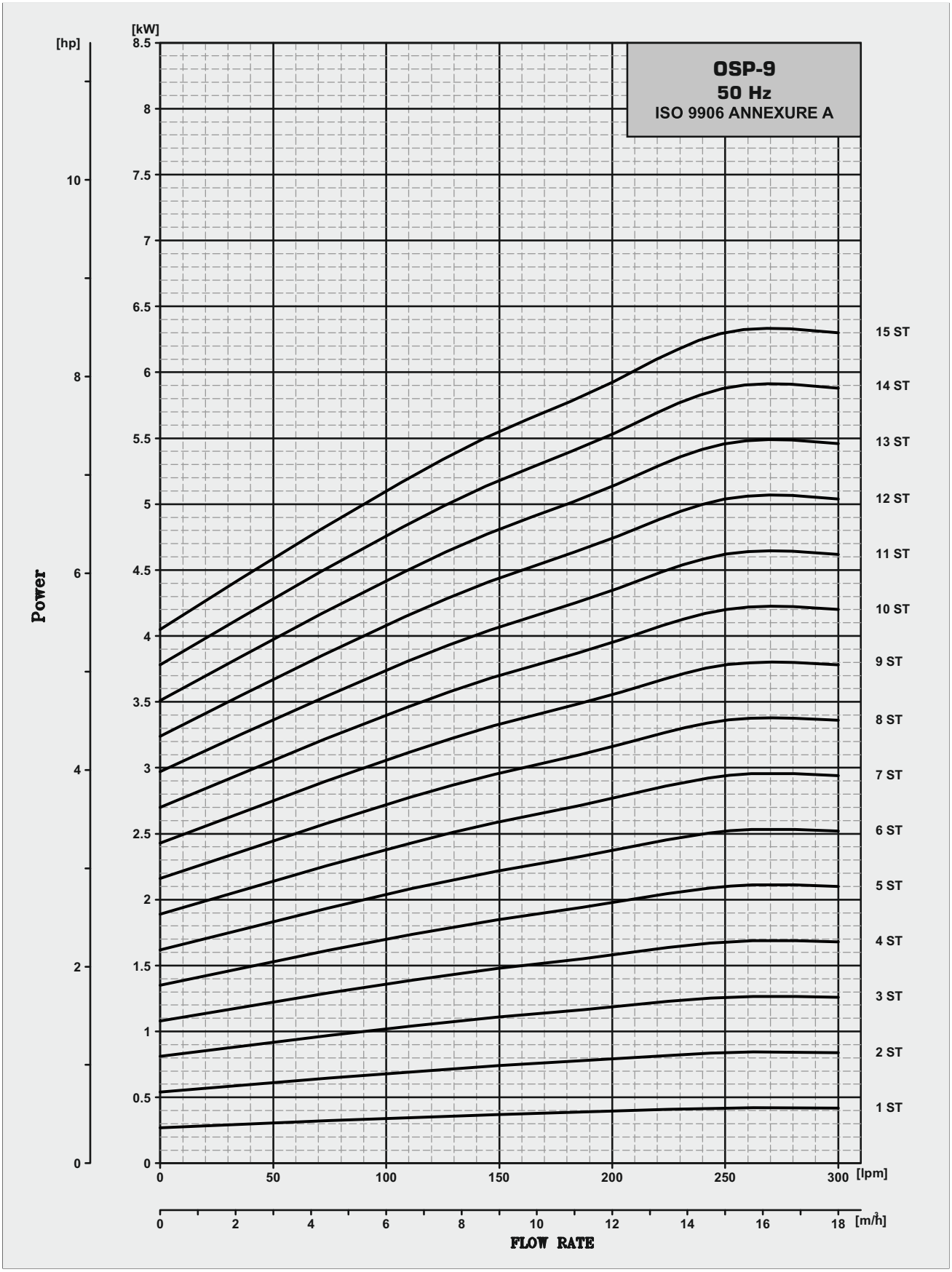
OSP-9 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



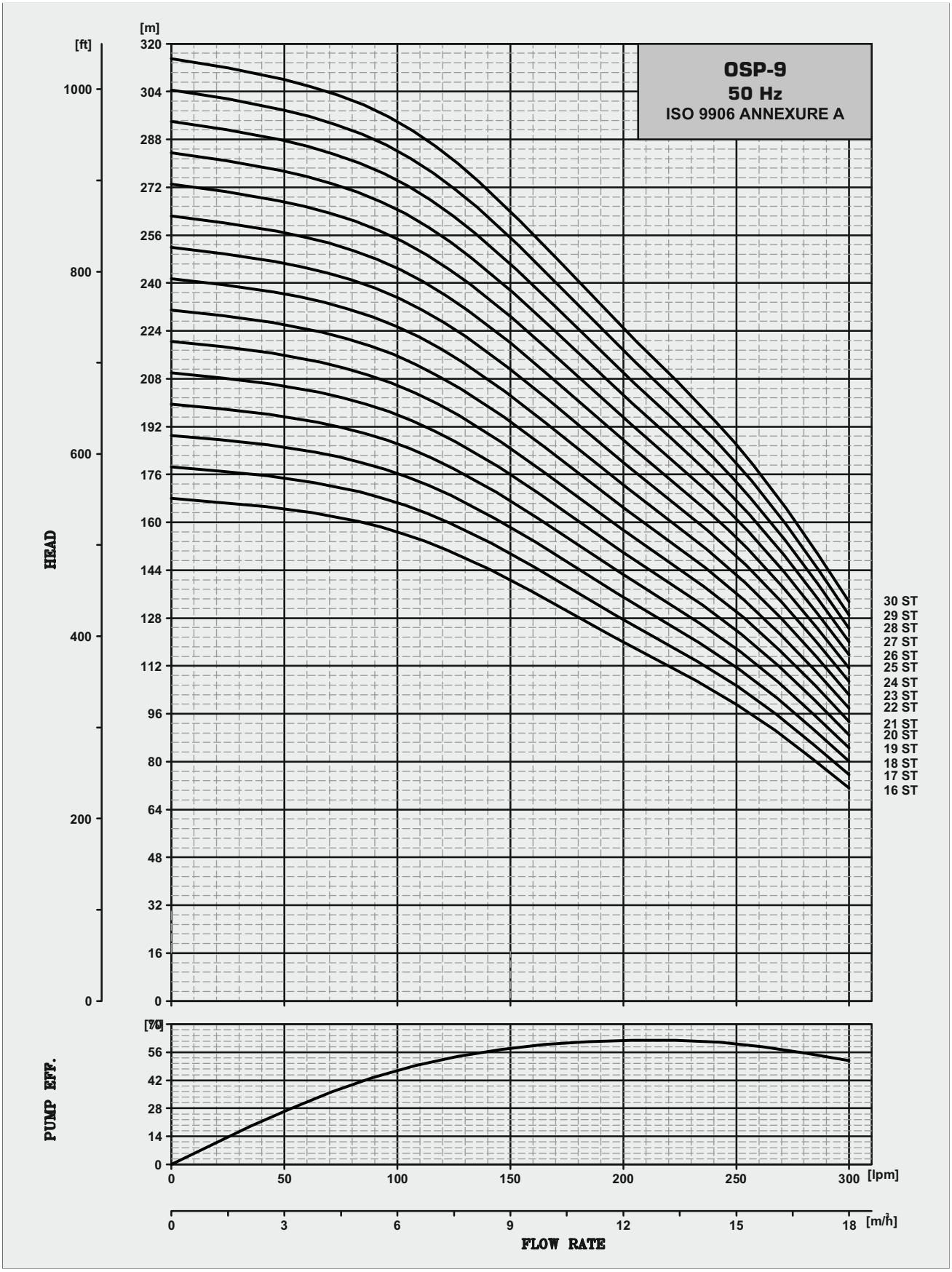
OSP-9 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



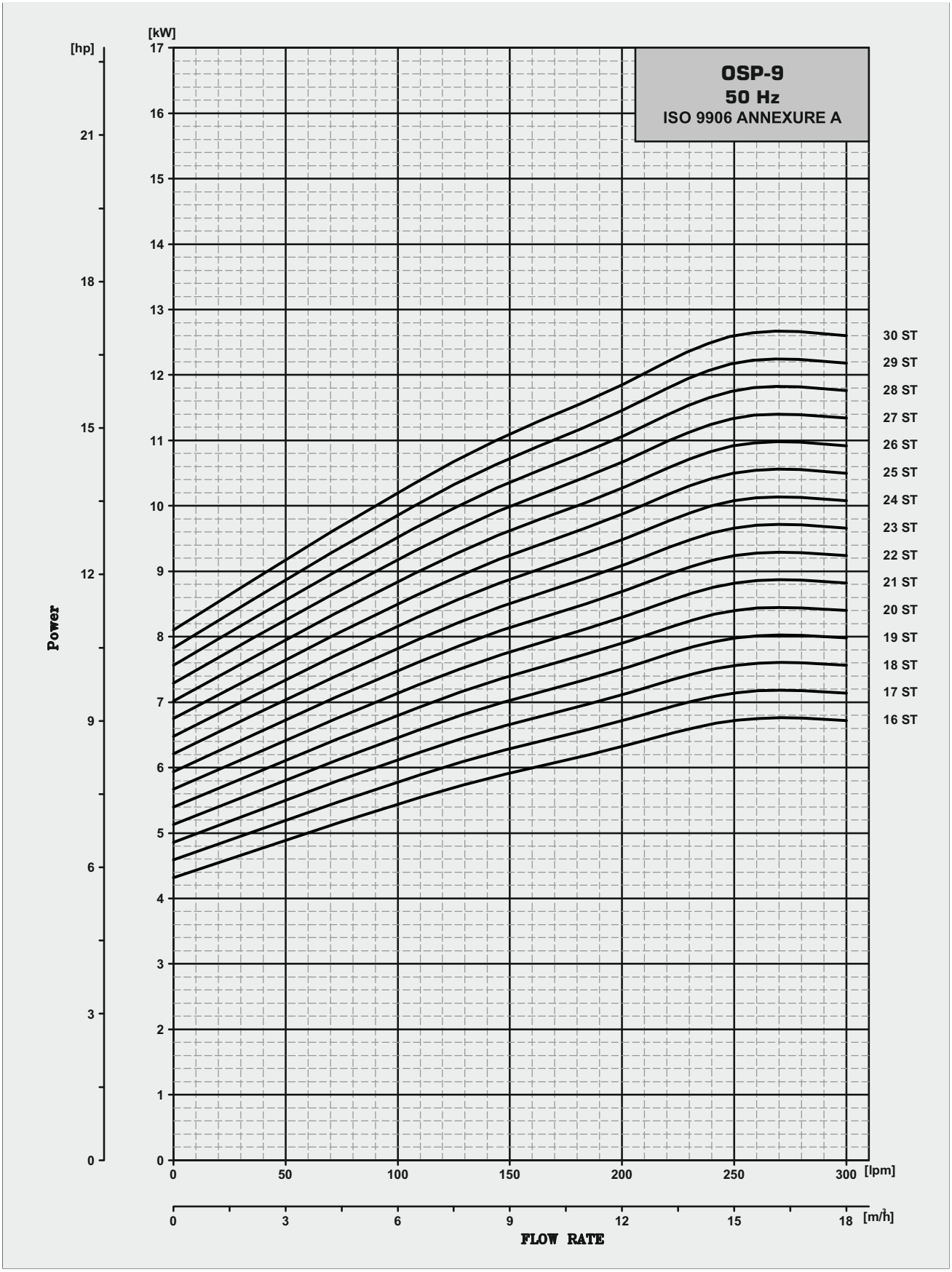
OSP-9 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



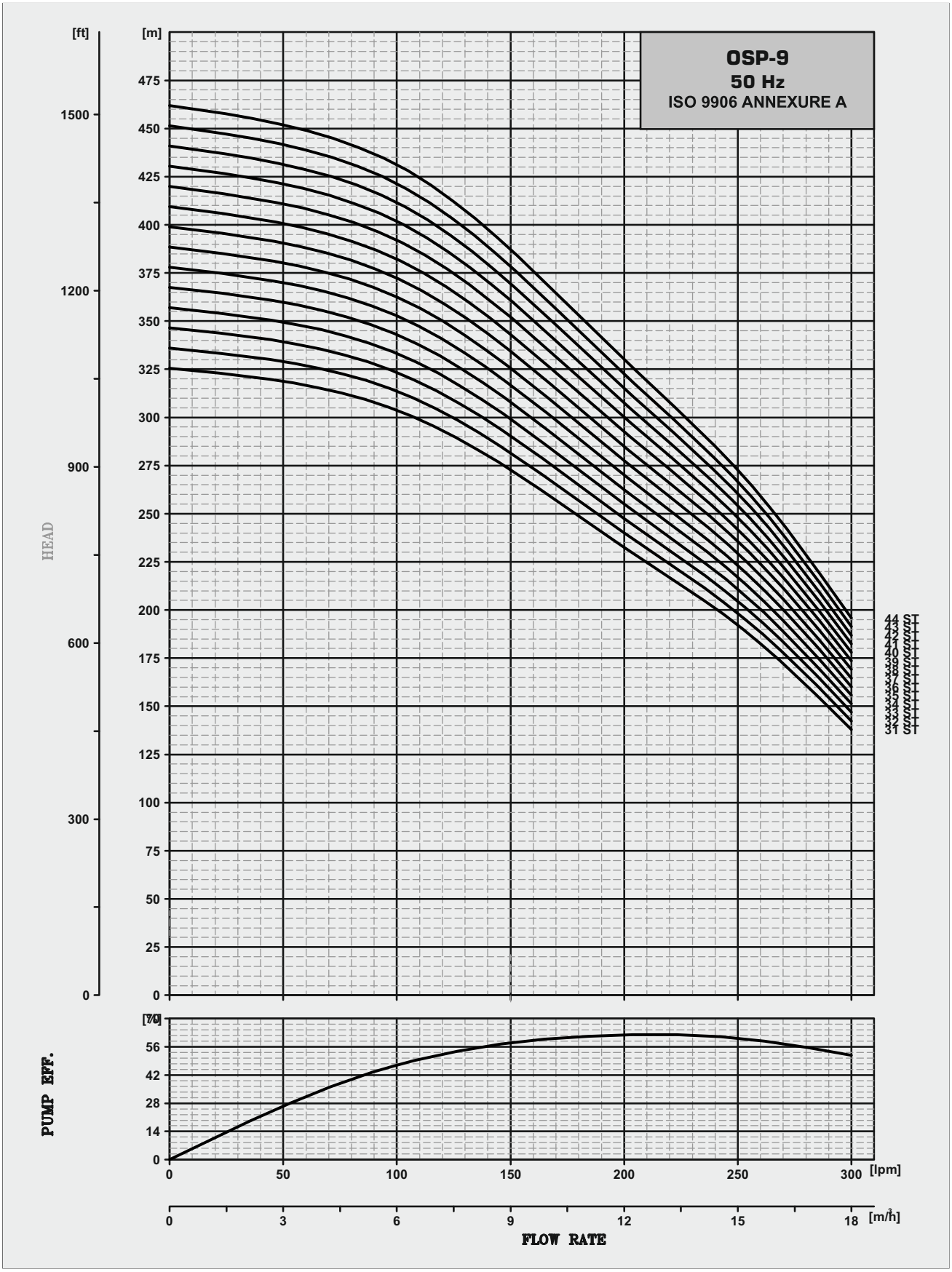
OSP-9 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



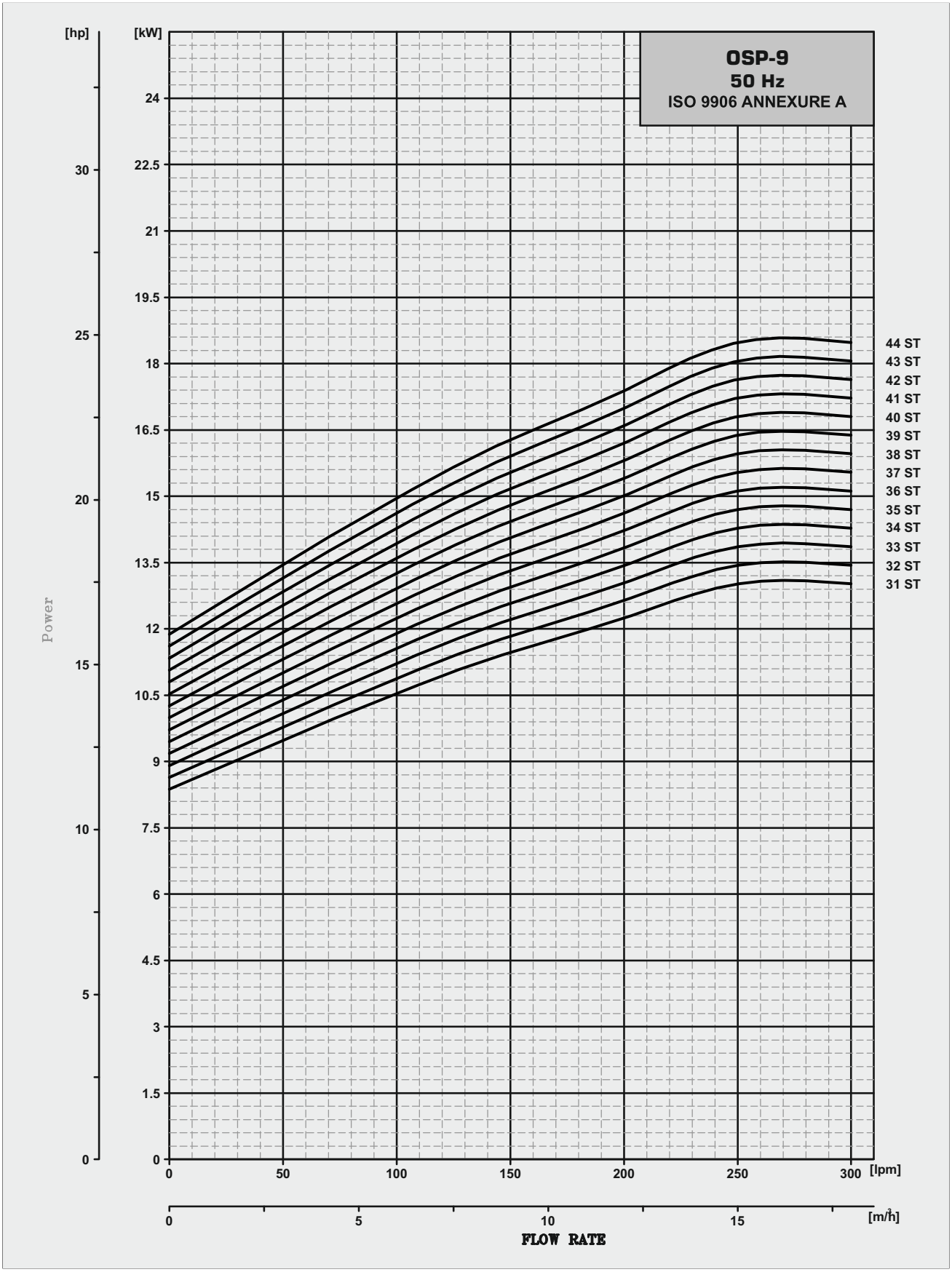
OSP-9 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-9 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



6″ · MIXED FLOW

OSP-12

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
12 m³/h	6–18 m³/h	945 m	0.55–45 kW	2″ BSP	51

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	6	9	12	15	18
						0 L/min	100	150	200	250	300
OSP-12/1(P4)50(4X6)	0.55	0.75	1	V-4	2″ BSP	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	5.5	7	V-6	2″ BSP	74	70	67	**60**	53	40
OSP-12/8(P4)50(6X6)	4	5.5	8	V-6	2″ BSP	84	80	76	**68**	60	46
OSP-12/9(P4)50(6X6)	4	5.5	9	V-6	2″ BSP	95	90	86	**77**	68	51
OSP-12/10(P4)50(6X6)	4	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves. (S) = pump with sleeve (external jacket).

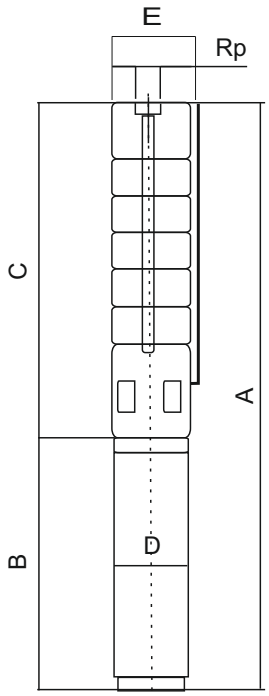
OSP-12
— Performance table (cont.)

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	6	9	12	15	18
						0 L/min	100	150	200	250	300
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)	15	20	30	V-6	2″ BSP	315	300	285	**255**	225	171
OSP-12/31(P4)50(6X6)	15	20	31	V-6	2″ BSP	326	310	295	**264**	233	177
OSP-12/32(P4)50(6X6)	15	20	32	V-6	2″ BSP	336	320	304	**272**	240	182
OSP-12/33(P4)50(6X6)	15	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
OSP-12/45(P4)50(6X6)	22	30	45	V-6	2″ BSP	473	450	428	**383**	338	257
OSP-12/49(P4)50(6X6)	30	40	49	V-6	2″ BSP	515	490	466	**417**	368	279
OSP-12/53(P4)50(6X6)	30	40	53	V-6	2″ BSP	557	530	504	**451**	398	302
OSP-12/60(P4)50(8X6)	30	40	60	V-8	2″ BSP	630	600	570	**510**	450	342
OSP-12/72(P4)50(8X6)	37	50	72	V-8	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(8X6)S	45	60	85	V-8	2″ BSP	893	850	808	**723**	638	485
OSP-12/90(P4)50(8X6)S	45	60	90	V-8	2″ BSP	945	900	855	**765**	675	513

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves. (S) = pump with sleeve (external jacket).

OSP-12
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	702	143	145	14.64	144
OSP-12/8(P4)50(6X6)	8	V-6	4	763	143	145	15.88	144
OSP-12/9(P4)50(6X6)	9	V-6	4	824	143	145	17.12	144
OSP-12/10(P4)50(6X6)	10	V-6	4	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	15	2105	143	145	43.18	144
OSP-12/31(P4)50(6X6)	31	V-6	15	2166	143	145	44.42	144
OSP-12/32(P4)50(6X6)	32	V-6	15	2227	143	145	45.66	144
OSP-12/33(P4)50(6X6)	33	V-6	15	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

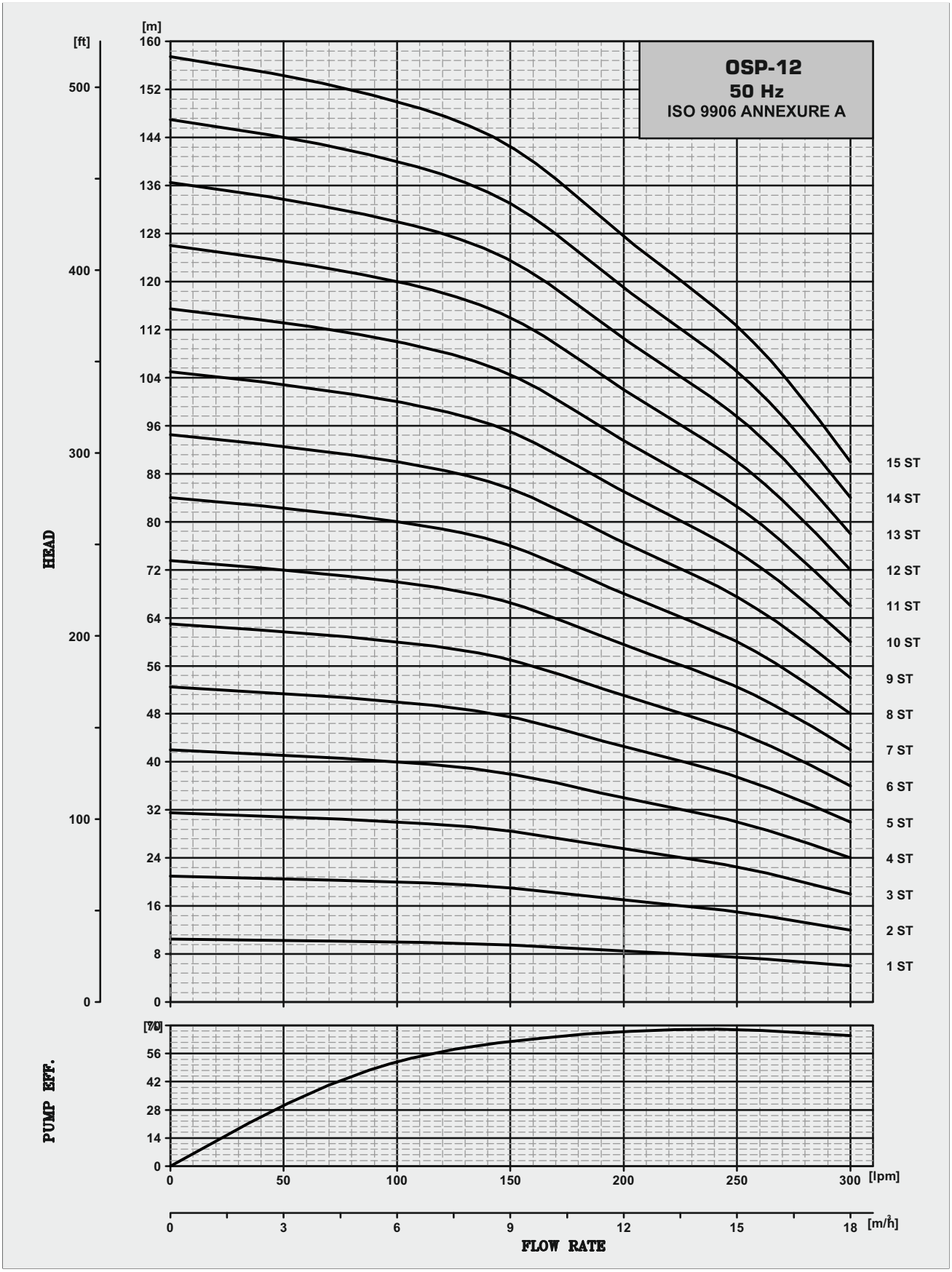


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

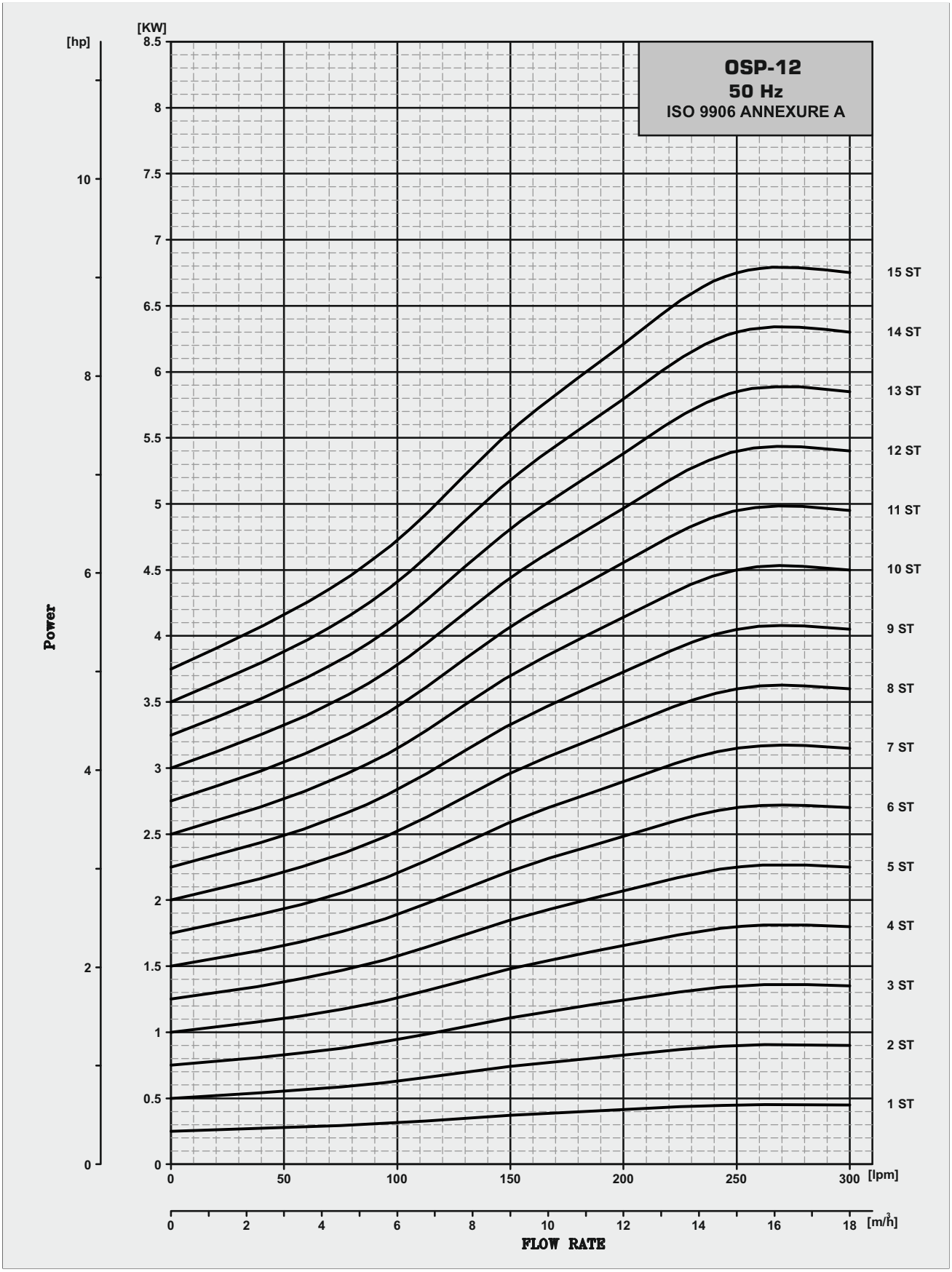
OSP-12 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



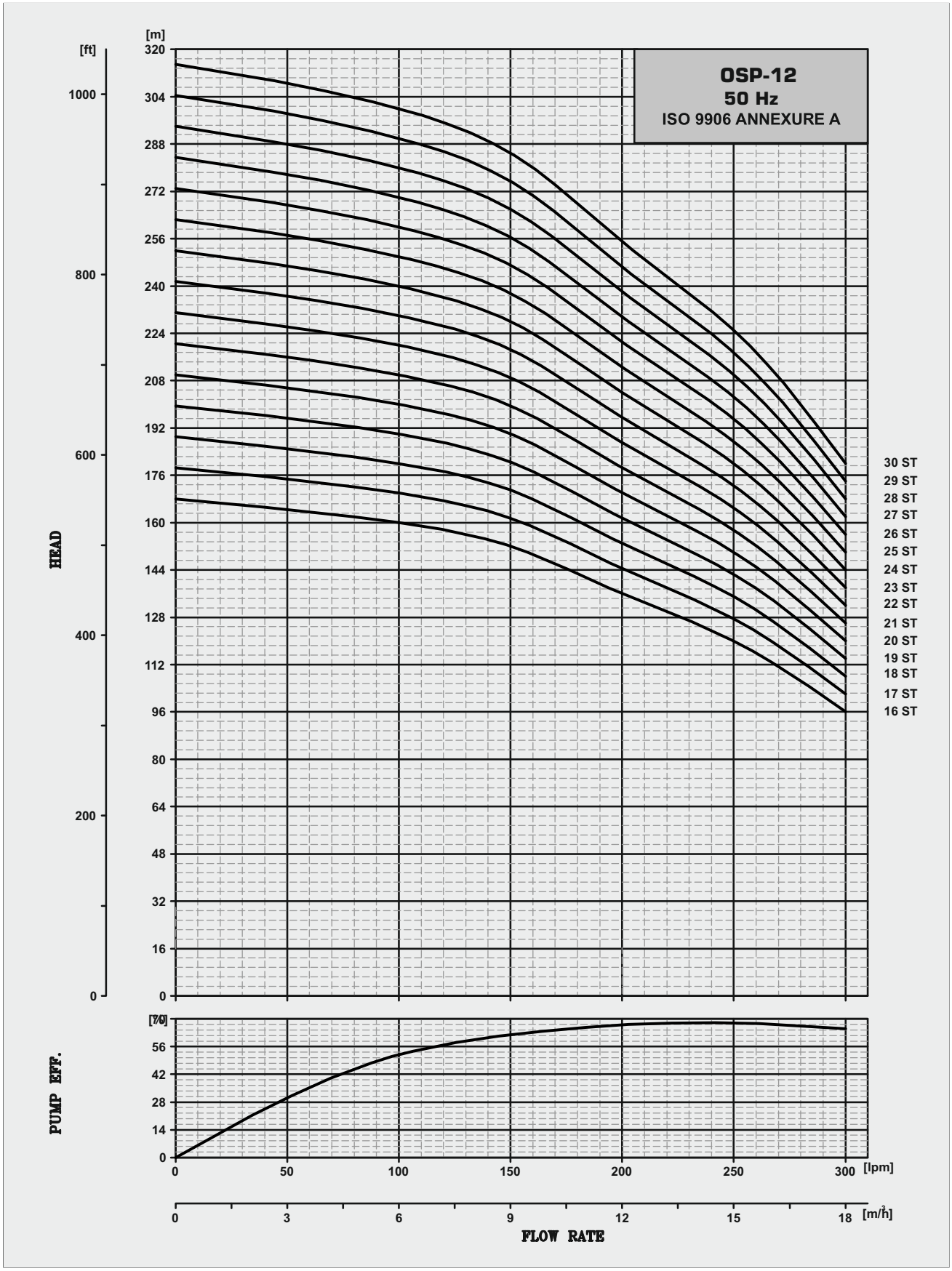
OSP-12 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



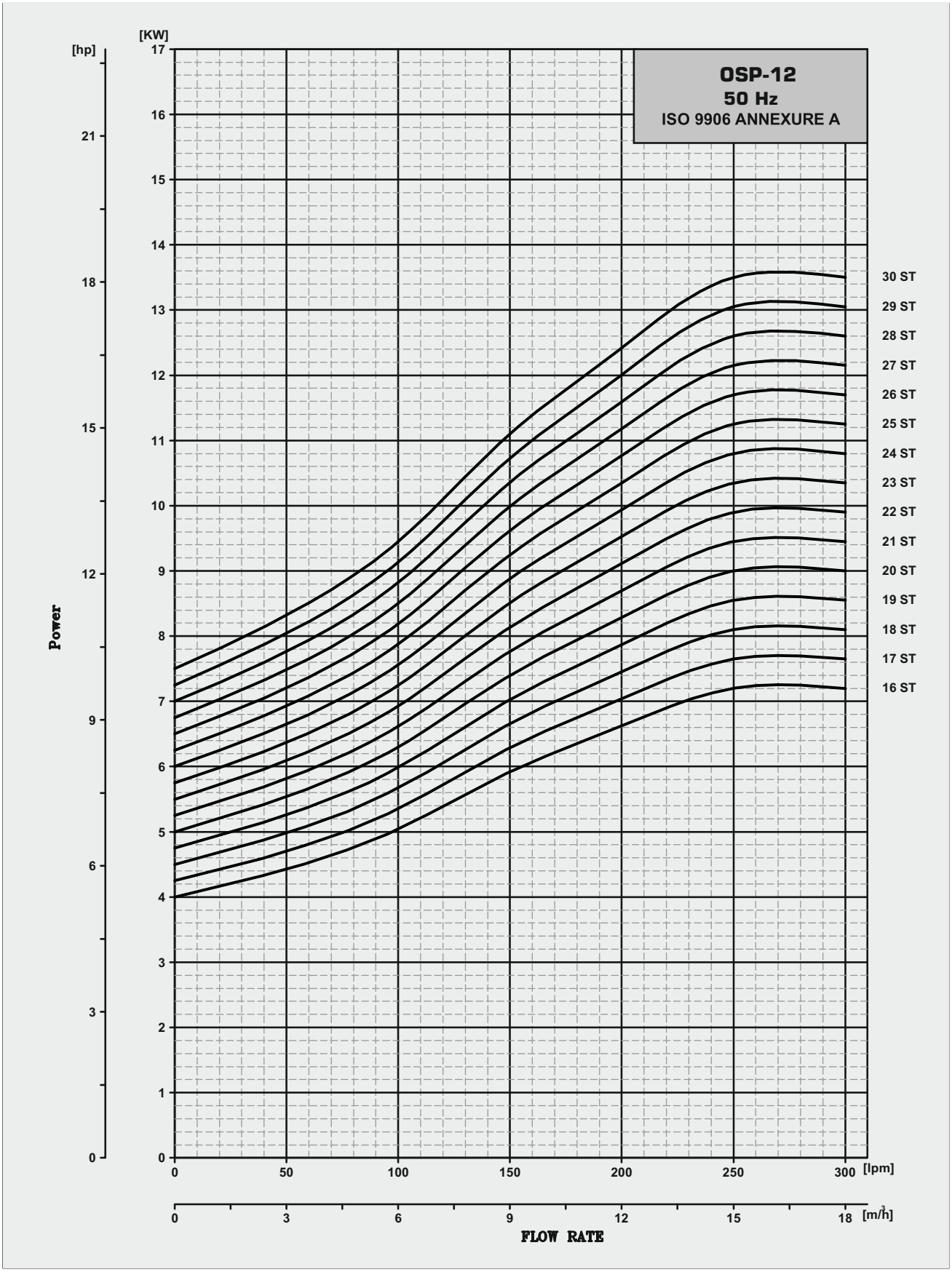
OSP-12 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



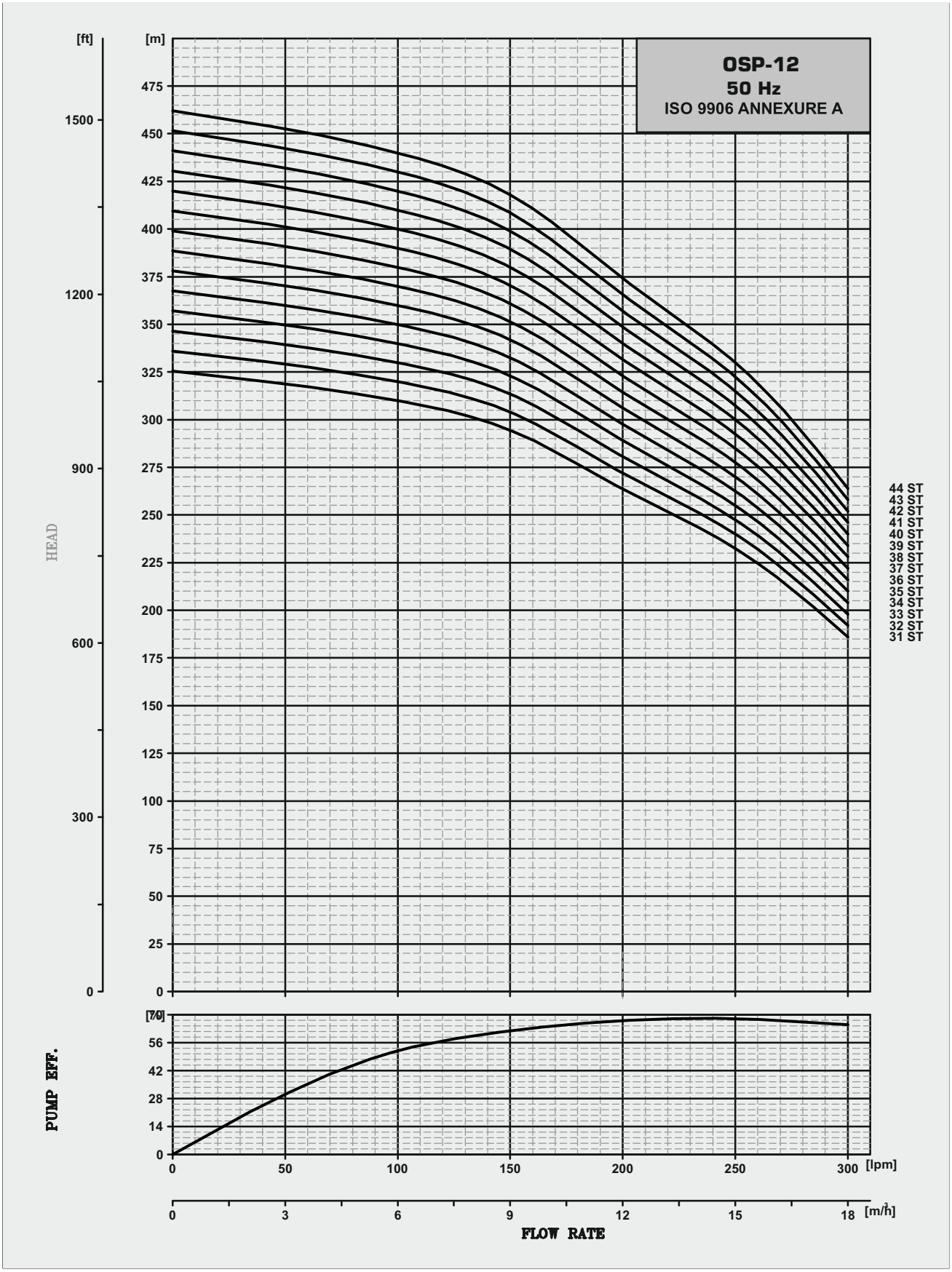
OSP-12 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



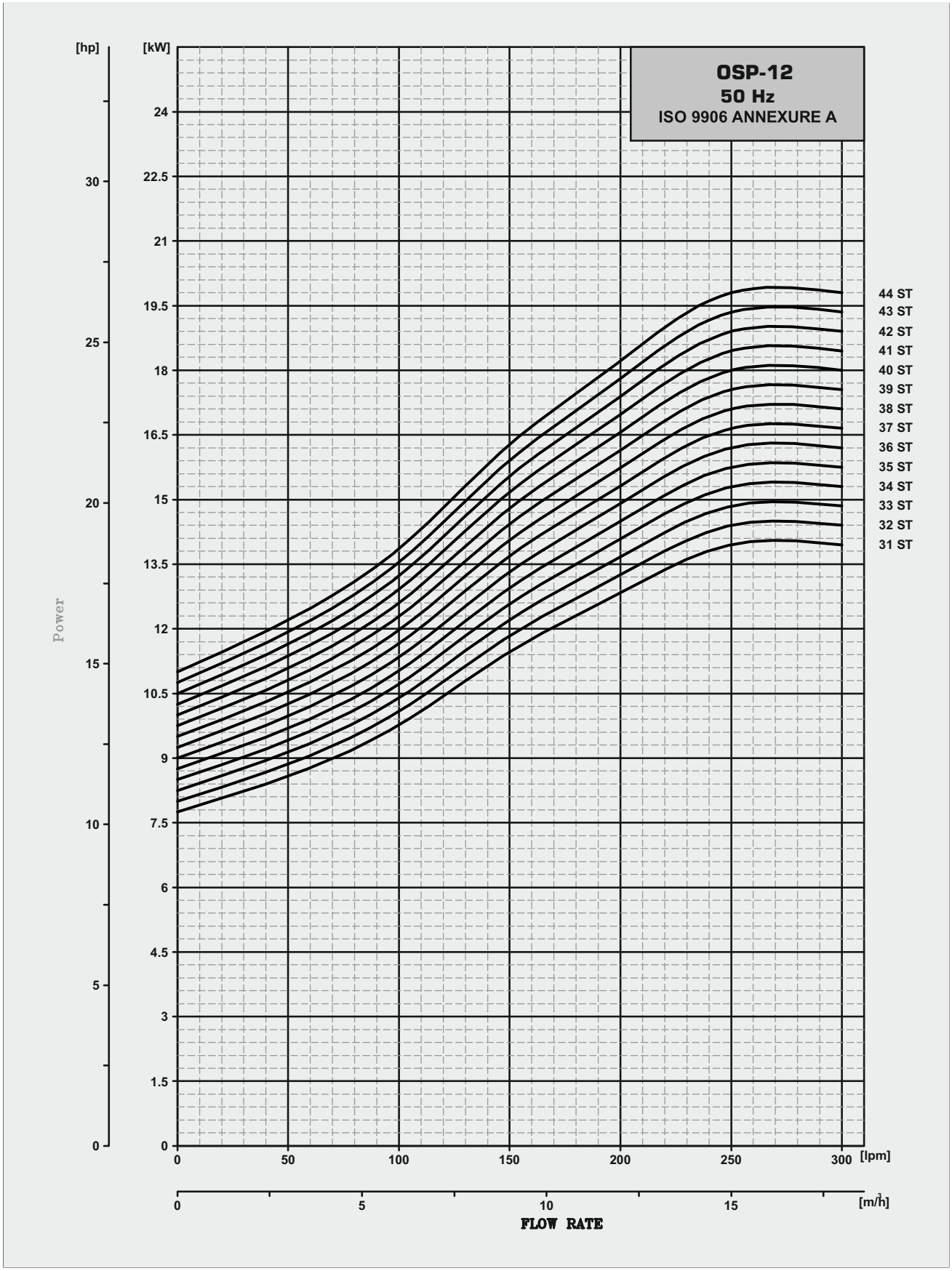
OSP-12 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-12 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



6″ · MIXED FLOW

OSP-17

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
15 m³/h	6–21 m³/h	1008 m	0.55–55 kW	2½″ BSP	55

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	6	12	15	18	21
						0 L/min	100	200	250	300	350
OSP-17/1(P4)50(4X6)	0.55	0.75	1	V-4	2½″ BSP	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	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

OSP-17
— Performance table (cont.)

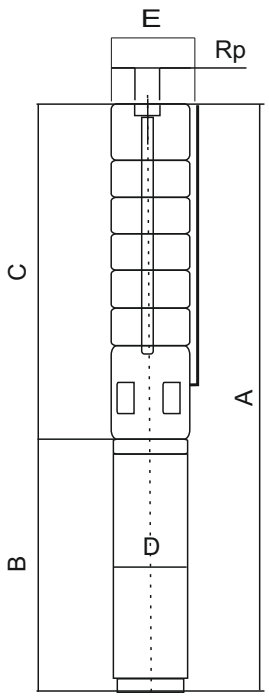
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	6	12	15	18	21
						0 L/min	100	200	250	300	350
OSP-17/29(P4)50(6X6)	18.5	25	29	V-6	2½" BSP	325	319	284	**255**	215	165
OSP-17/30(P4)50(6X6)	18.5	25	30	V-6	2½" BSP	336	330	294	**264**	222	171
OSP-17/31(P4)50(6X6)	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
OSP-17/65(P4)50(6X6)	45	60	65	V-6	2½" BSP	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-6	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

OSP-17
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	1.1	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	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	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	1373	143	145	28.29	144
OSP-17/19(P4)50(6X6)	19	V-6	11	1434	143	145	29.53	144
OSP-17/20(P4)50(6X6)	20	V-6	11	1495	143	145	30.77	144
OSP-17/21(P4)50(6X6)	21	V-6	13	1556	143	145	32.01	144
OSP-17/22(P4)50(6X6)	22	V-6	13	1617	143	145	33.25	144
OSP-17/23(P4)50(6X6)	23	V-6	13	1678	143	145	34.50	144
OSP-17/24(P4)50(6X6)	24	V-6	13	1739	143	145	35.74	144

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

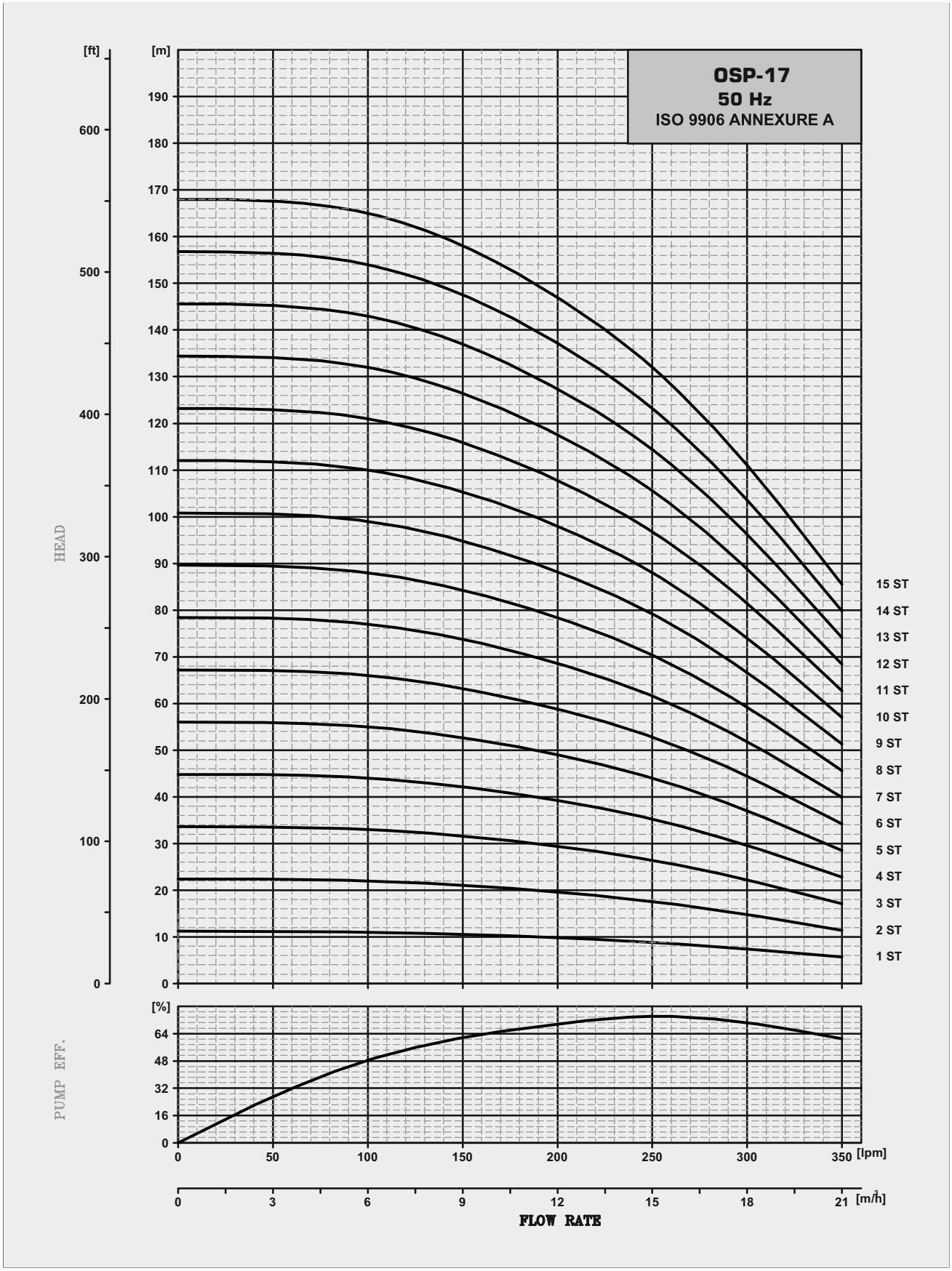
OSP-17
— Dimensions & weights (cont.)

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
OSP-17/25(P4)50(6X6)	25	V-6	15	1800	143	145	36.98	144
OSP-17/26(P4)50(6X6)	26	V-6	15	1861	143	145	38.22	144
OSP-17/27(P4)50(6X6)	27	V-6	15	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	2349	143	145	48.15	144
OSP-17/35(P4)50(6X6)	35	V-6	22	2410	143	145	49.39	144
OSP-17/36(P4)50(6X6)	36	V-6	22	2471	143	145	50.63	144
OSP-17/37(P4)50(6X6)	37	V-6	22	2532	143	145	51.87	144
OSP-17/38(P4)50(6X6)	38	V-6	22	2593	143	145	53.11	144
OSP-17/39(P4)50(6X6)	39	V-6	22	2654	143	145	54.35	144
OSP-17/40(P4)50(6X6)	40	V-6	22	2715	143	145	55.59	144
OSP-17/43(P4)50(6X6)	43	V-6	26	2898	143	145	59.32	144
OSP-17/45(P4)50(6X6)	45	V-6	26	3020	143	145	61.80	144
OSP-17/48(P4)50(6X6)	48	V-6	30	3203	143	145	65.52	144
OSP-17/51(P4)50(6X6)	51	V-6	30	3386	143	145	69.24	144
OSP-17/53(P4)50(6X6)	53	V-6	30	3508	143	145	71.73	144
OSP-17/55(P4)50(6X6)	55	V-6	30	3630	143	145	74.21	144
OSP-17/58(P4)50(6X6)	58	V-6	37	3813	143	145	77.93	144
OSP-17/60(P4)50(6X6)	60	V-6	37	3935	143	145	80.41	144

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

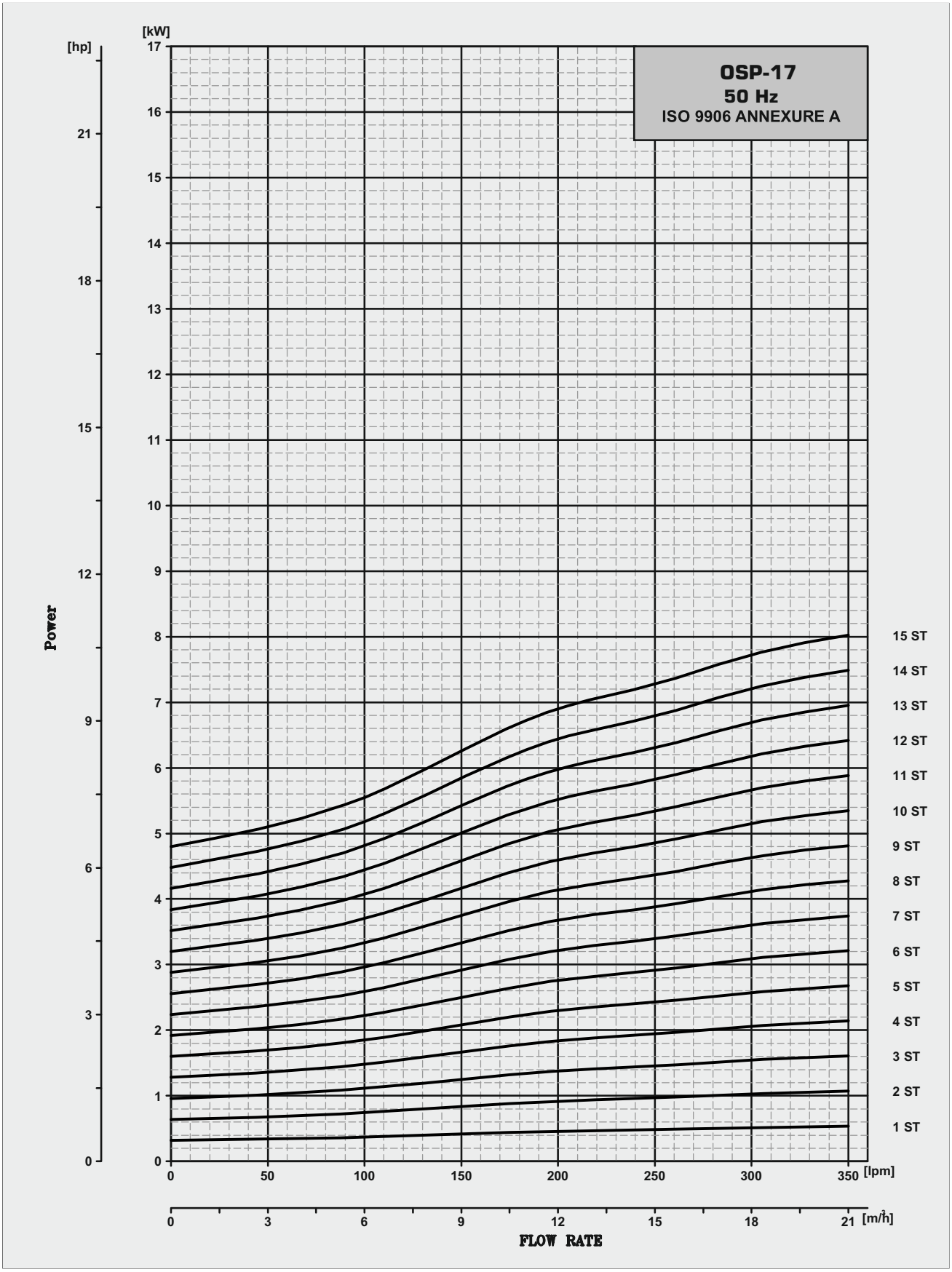
OSP-17 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 8



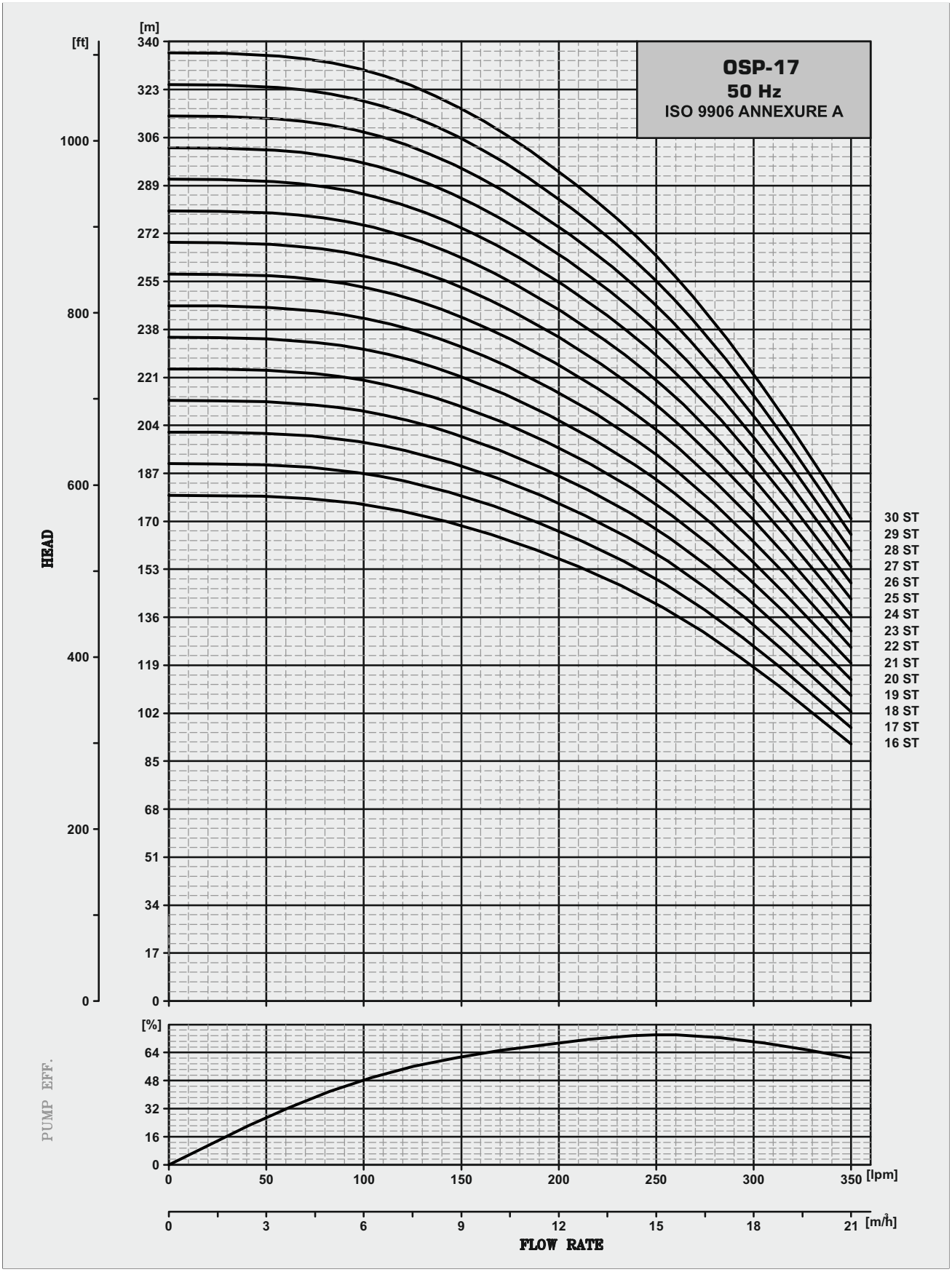
OSP-17 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 8



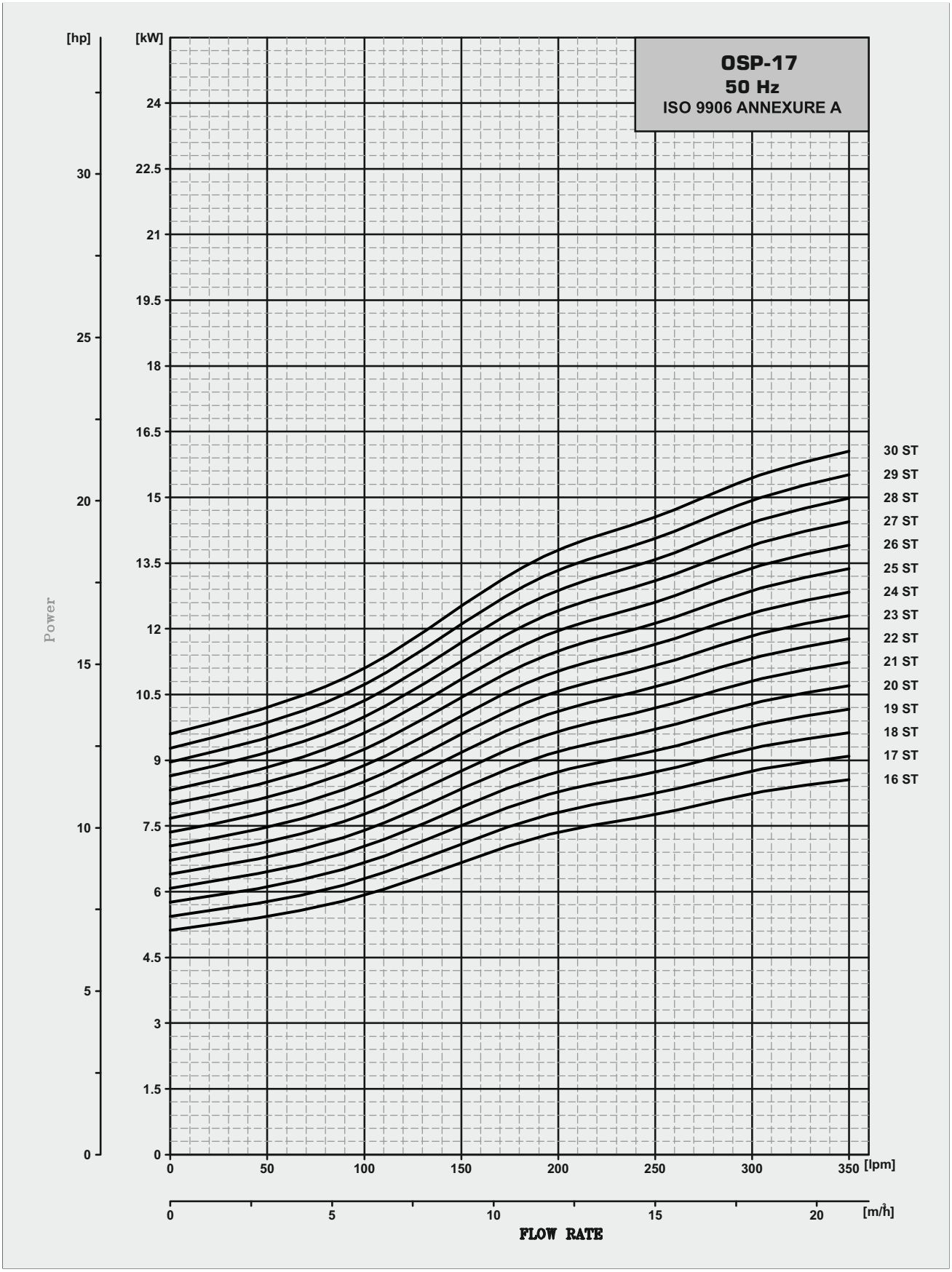
OSP-17 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 8



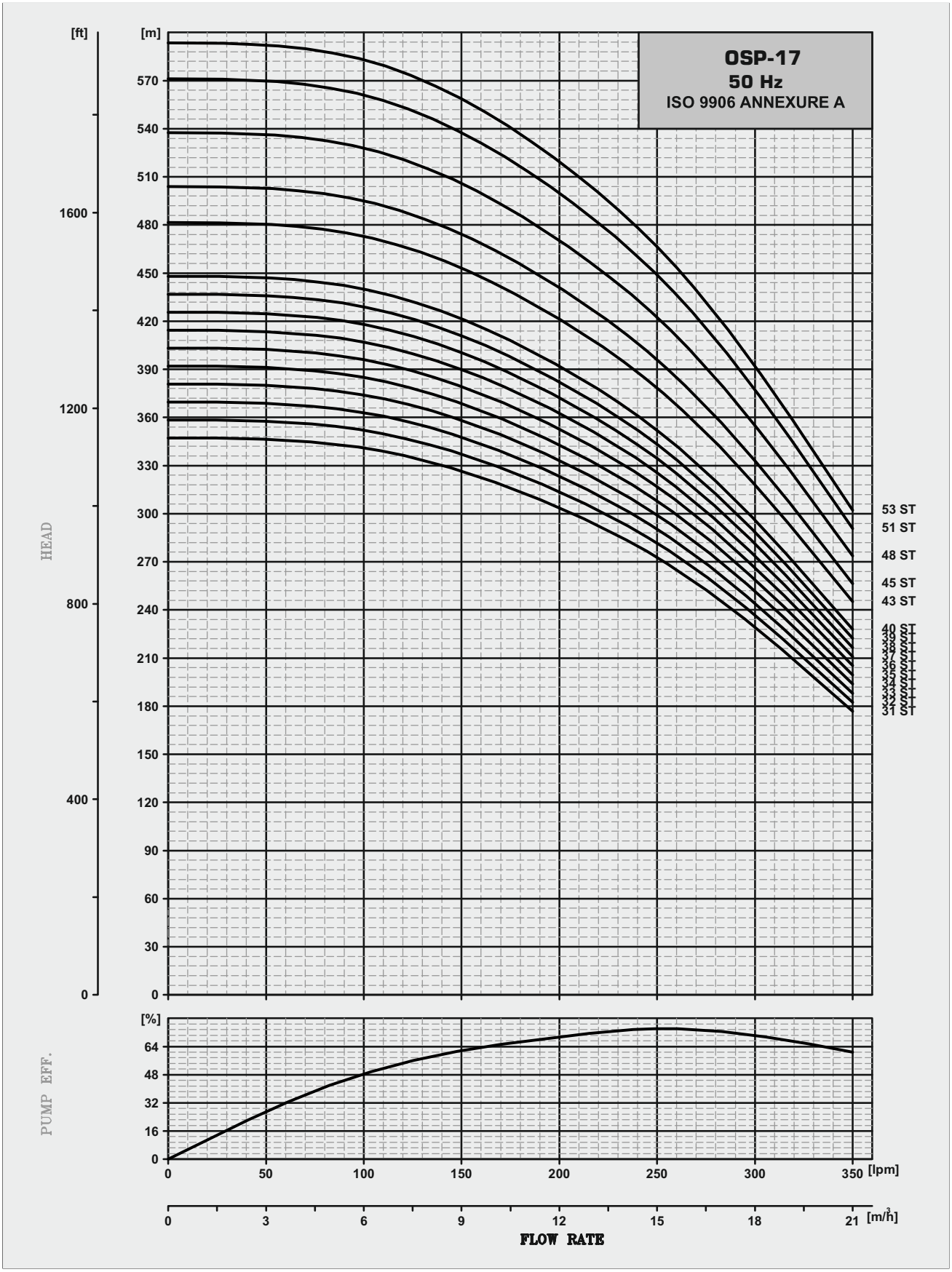
OSP-17 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 8



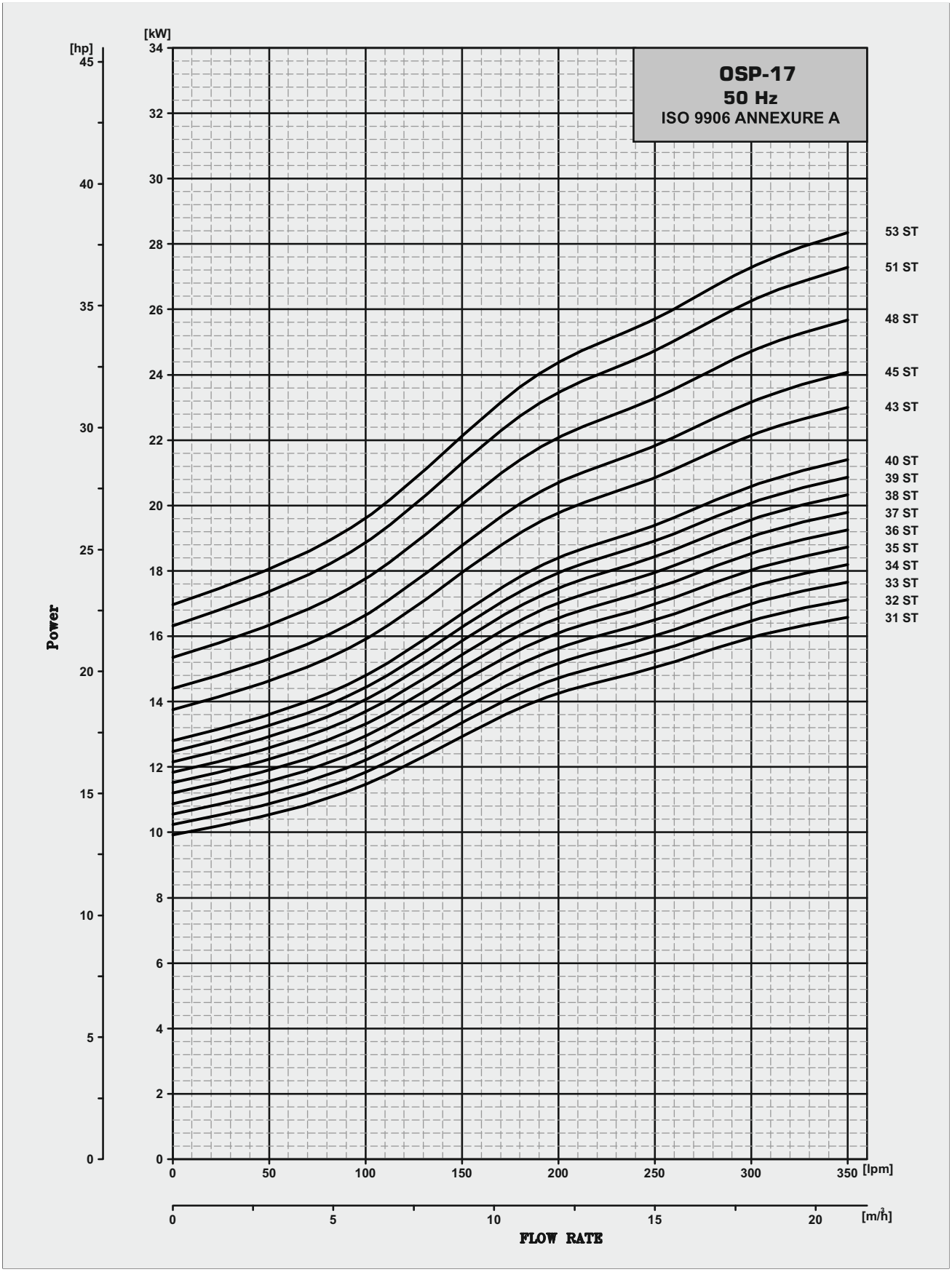
OSP-17 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 8



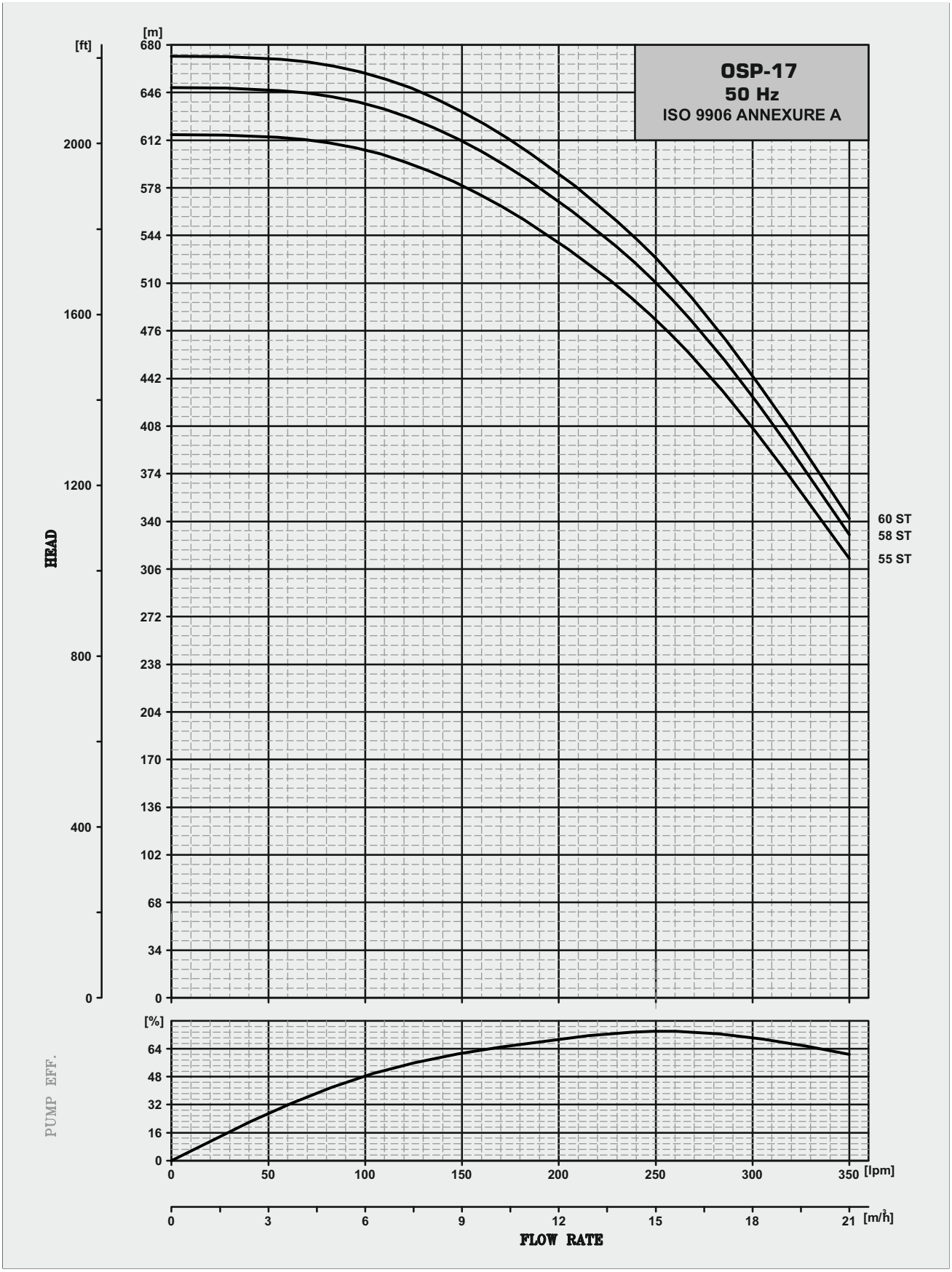
OSP-17 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 8



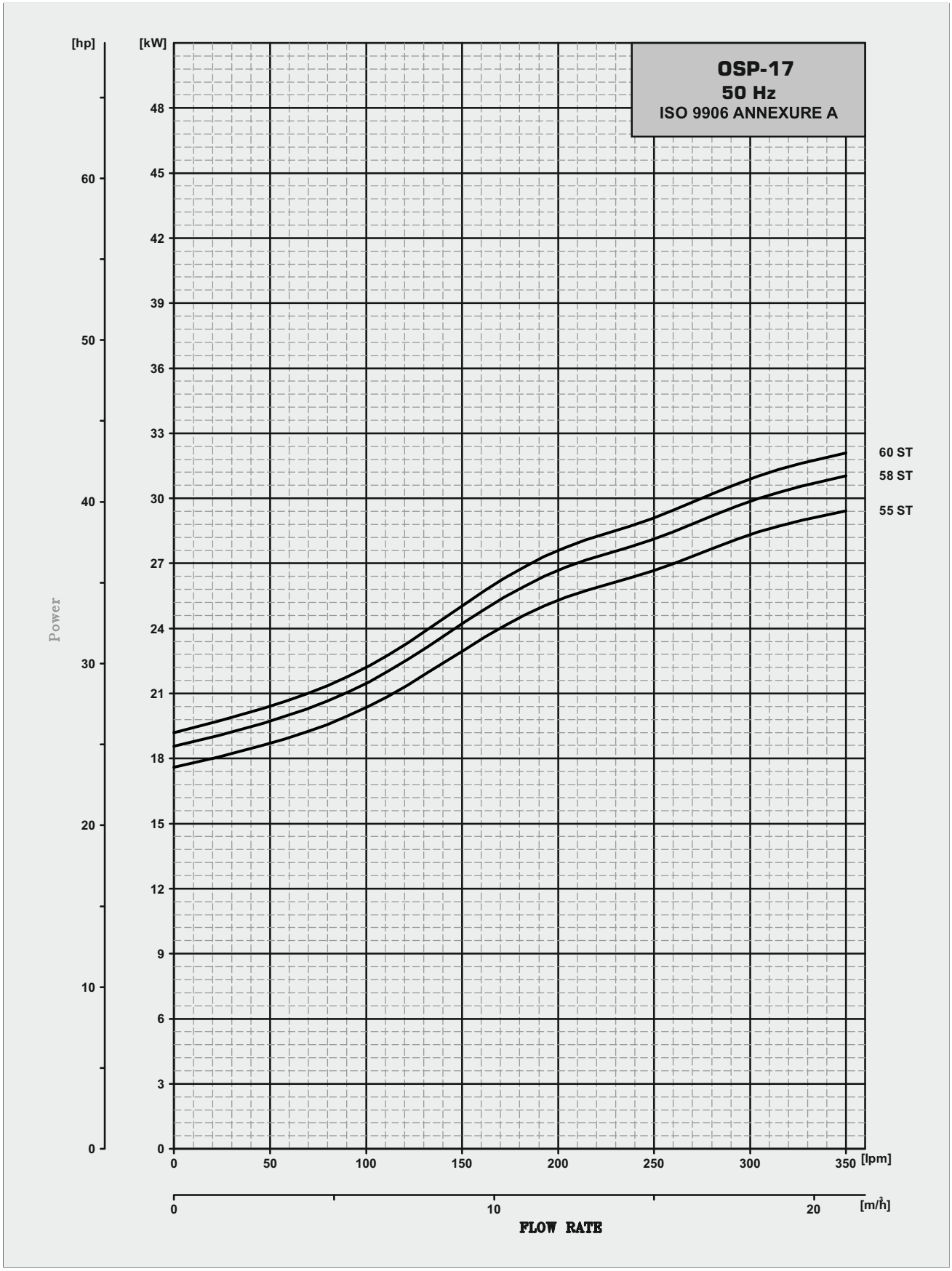
OSP-17 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 7 of 8



OSP-17 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 8 of 8



6″ · MIXED FLOW

OSP-30

Performance table

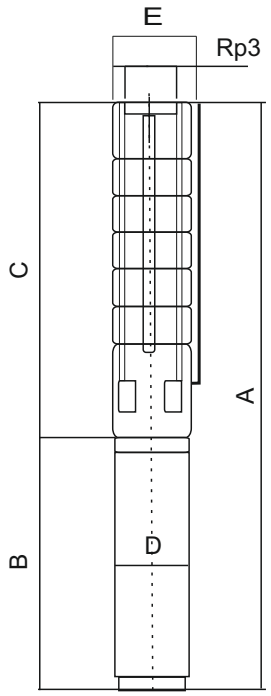
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
30 m³/h	12–39 m³/h	616 m	1.1–55 kW	3″ BSP	41

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	12	24	30	36	39
						0 L/min	200	400	500	600	650
OSP-30/1(P4)50(4X6)	1.1	1.5	1	V-4	3″ BSP	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	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

OSP-30
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
OSP-30/1(P4)50(4X6)	1	V-4	1.1	371	131	–	6.53	97
OSP-30/2(P4)50(4X6)	2	V-4	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	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	1427	143	145	30.47	144
OSP-30/13(P4)50(6X6)	13	V-6	11	1523	143	145	32.48	144
OSP-30/14(P4)50(6X6)	14	V-6	13	1619	143	145	34.49	144
OSP-30/15(P4)50(6X6)	15	V-6	13	1715	143	145	36.50	144
OSP-30/16(P4)50(6X6)	16	V-6	15	1811	143	145	38.51	144
OSP-30/17(P4)50(6X6)	17	V-6	15	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	2387	143	145	50.57	144
OSP-30/23(P4)50(6X6)	23	V-6	22	2483	143	145	52.58	144
OSP-30/24(P4)50(6X6)	24	V-6	22	2579	143	145	54.59	144
OSP-30/25(P4)50(6X6)	25	V-6	22	2675	143	145	56.60	144
OSP-30/26(P4)50(6X6)	26	V-6	22	2771	143	145	58.61	144
OSP-30/27(P4)50(6X6)	27	V-6	26	2867	143	145	60.62	144
OSP-30/28(P4)50(6X6)	28	V-6	26	2963	143	145	62.63	144
OSP-30/29(P4)50(6X6)	29	V-6	26	3059	143	145	64.64	144
OSP-30/30(P4)50(6X6)	30	V-6	26	3155	143	145	66.65	144
OSP-30/31(P4)50(6X6)	31	V-6	30	3251	143	145	68.66	144
OSP-30/32(P4)50(6X6)	32	V-6	30	3347	143	145	70.67	144
OSP-30/33(P4)50(6X6)	33	V-6	30	3443	143	145	72.68	144
OSP-30/34(P4)50(6X6)	34	V-6	30	3539	143	145	74.69	144
OSP-30/35(P4)50(6X6)	35	V-6	30	3635	143	145	76.70	144
OSP-30/39(P4)50(6X6)	39	V-6	37	4019	143	145	84.74	144
OSP-30/43(P4)50(6X6)	43	V-6	37	4403	143	145	92.78	144
OSP-30/46(P4)50(6X6)	46	V-6	45	4691	143	145	98.81	144
OSP-30/49(P4)50(6X6)	49	V-6	45	4979	143	145	104.84	144
OSP-30/52(P4)50(8X6)	52	V-8	55	5478	188	188	128.02	189
OSP-30/54(P4)50(8X6)	54	V-8	55	5670	188	188	132.04	189

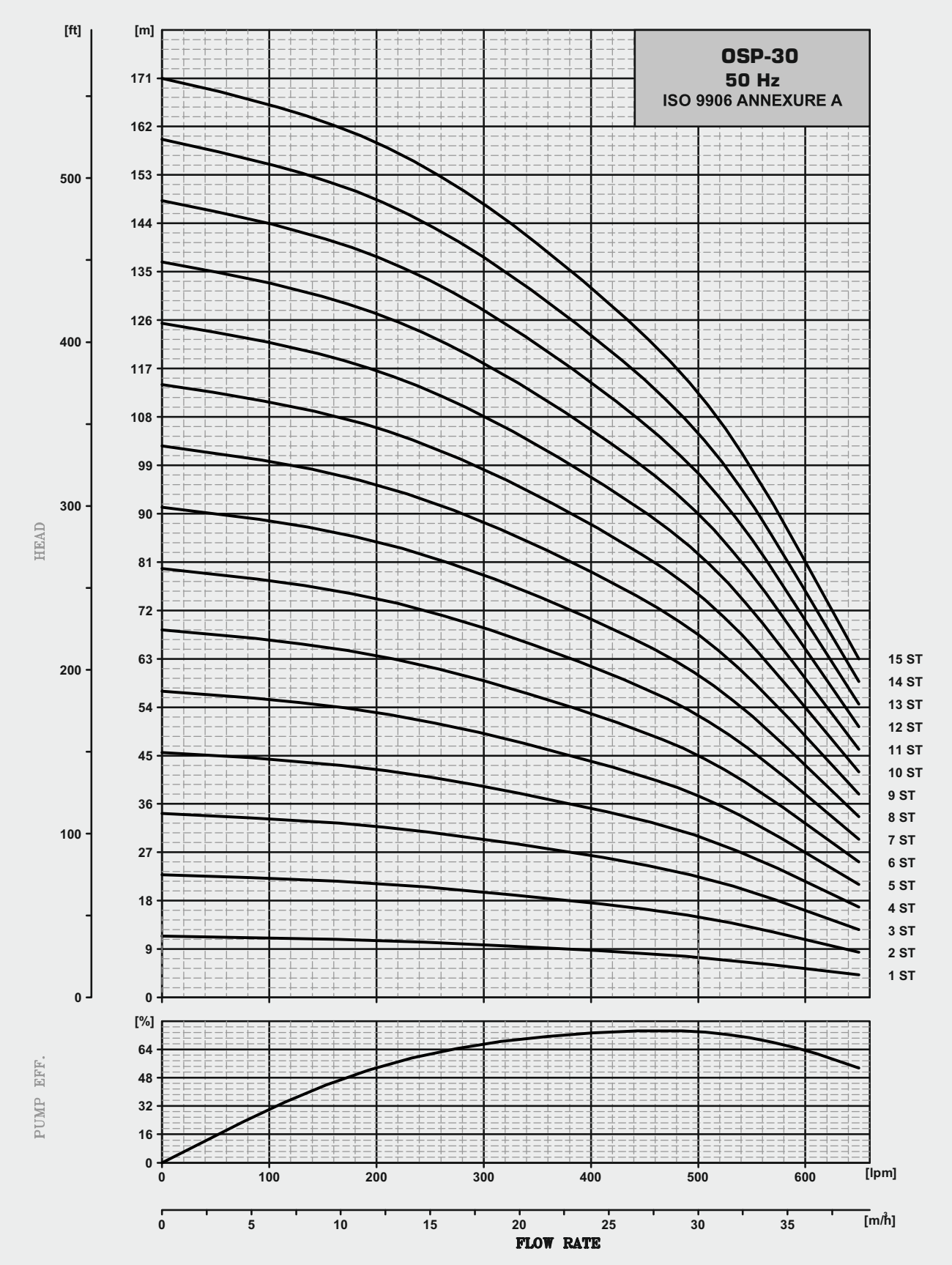


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

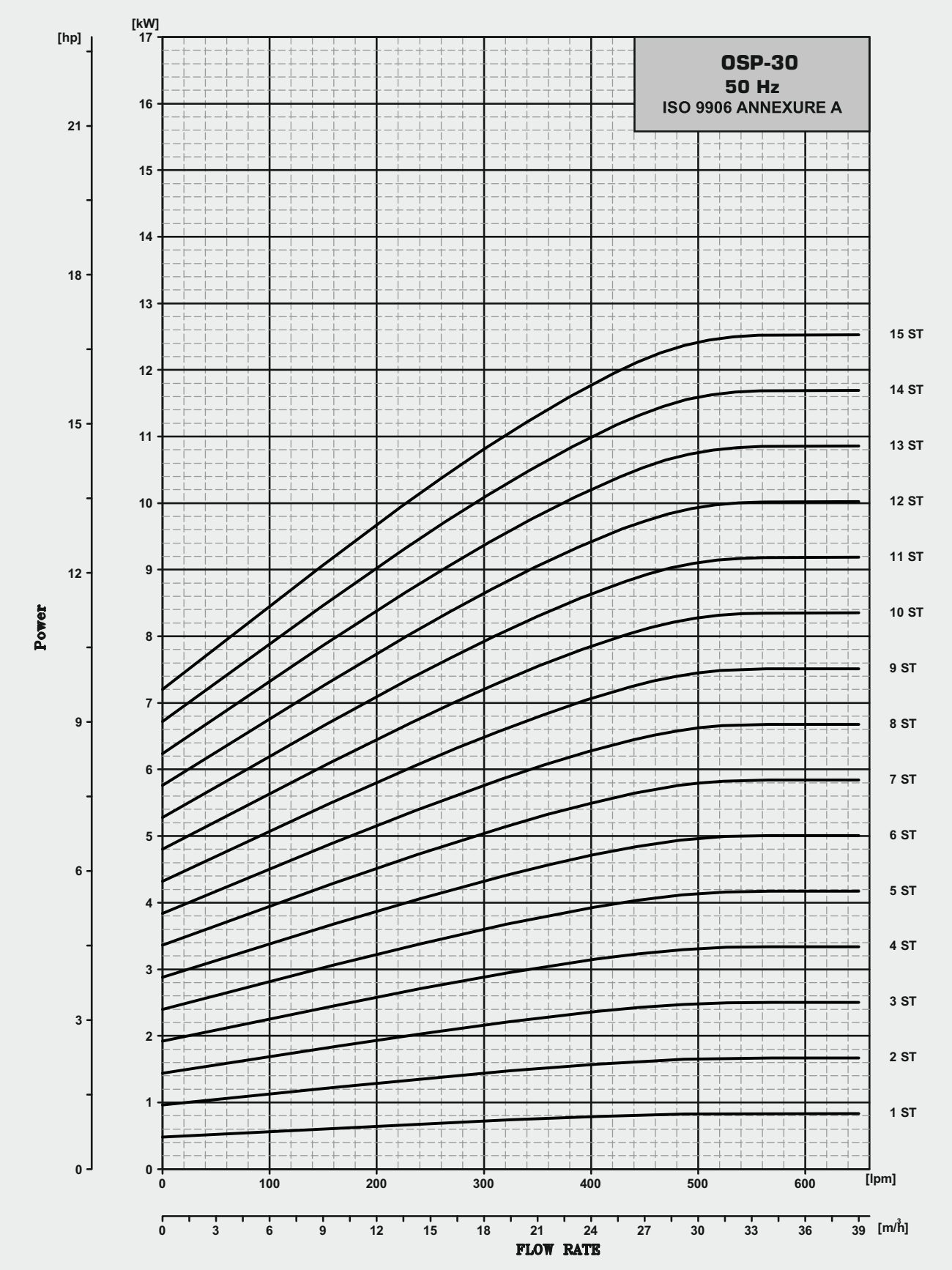
OSP-30 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



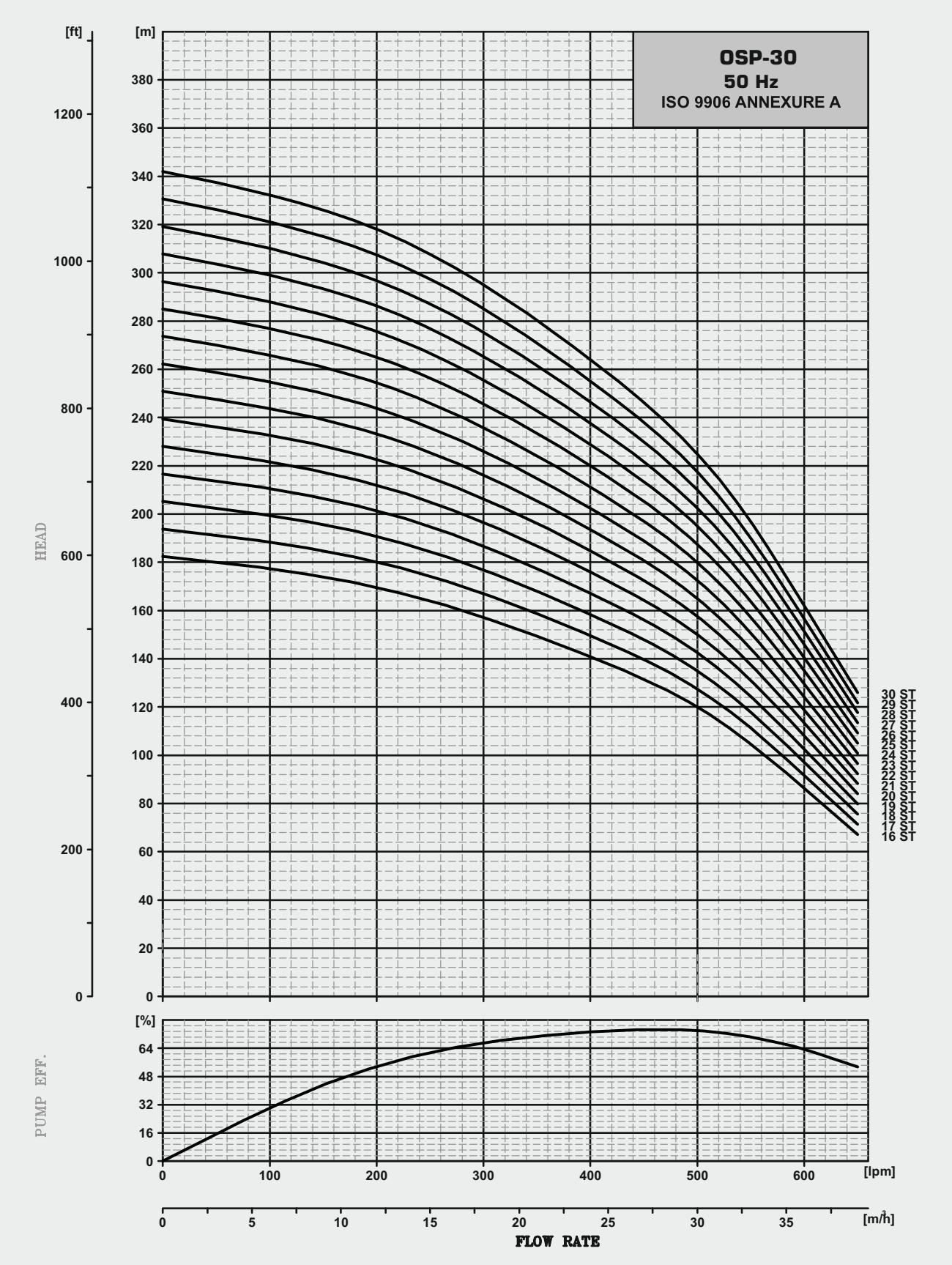
OSP-30 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



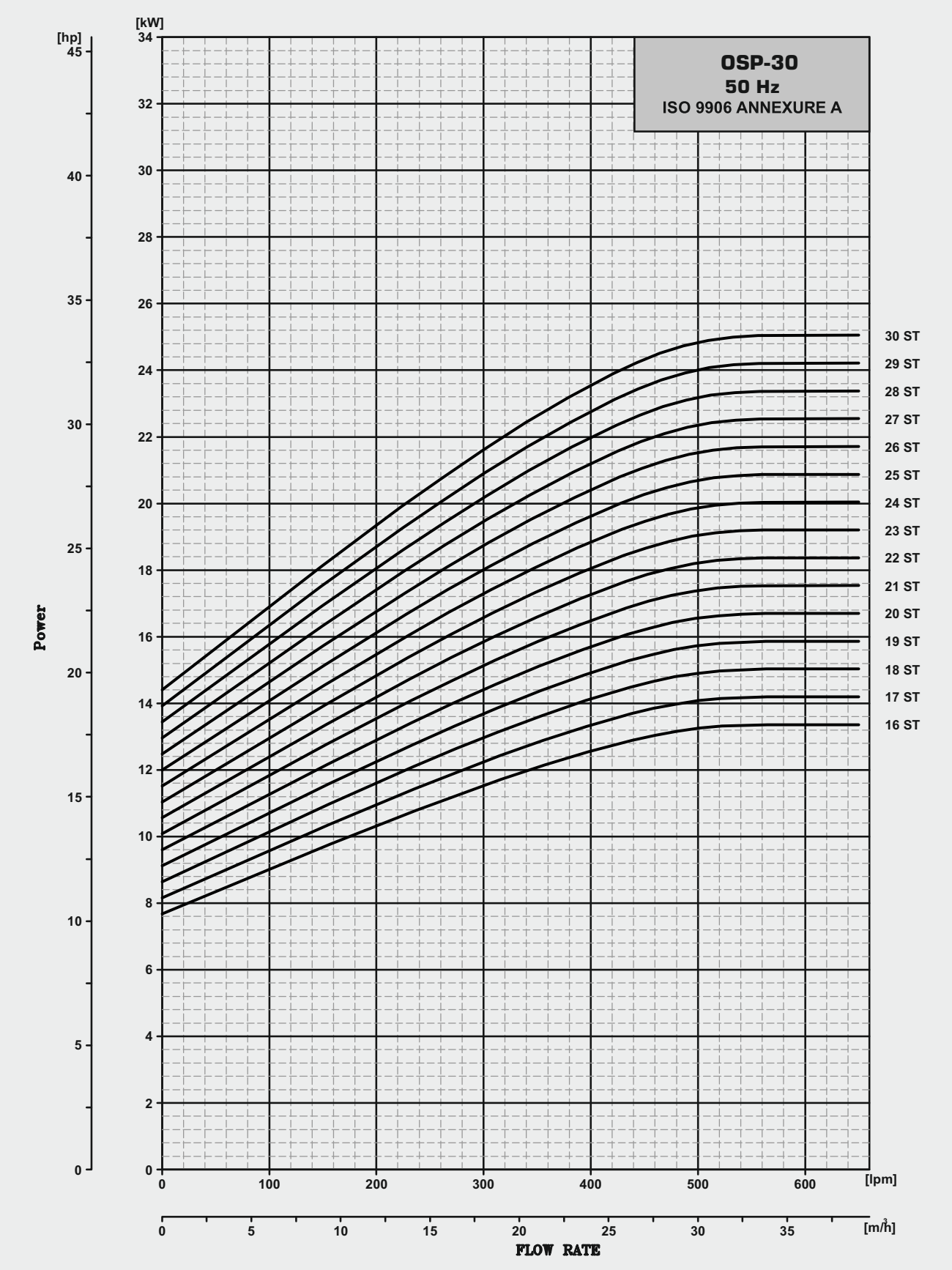
OSP-30 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



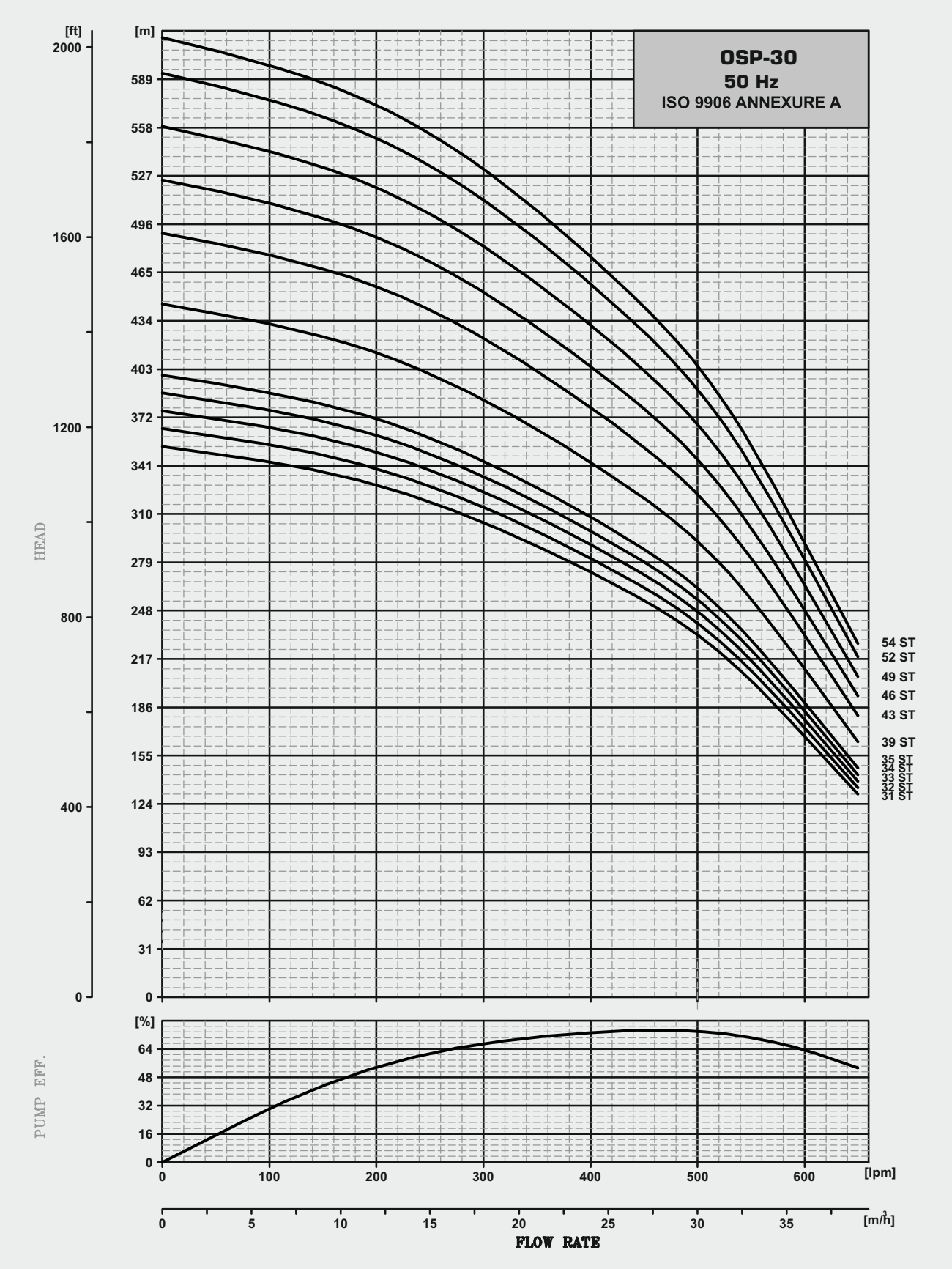
OSP-30 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



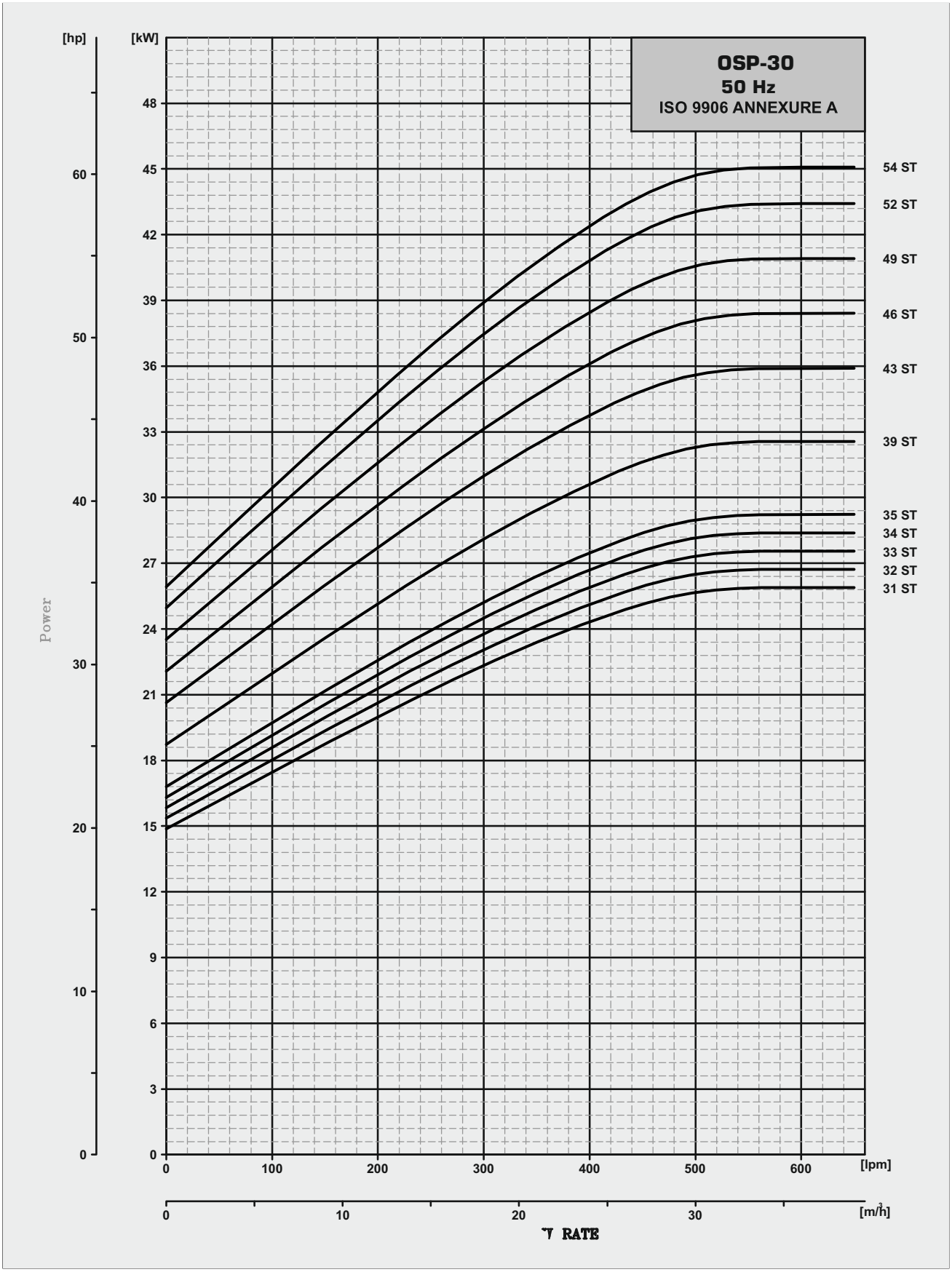
OSP-30 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-30 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



6″ · MIXED FLOW

OSP-46

Performance table

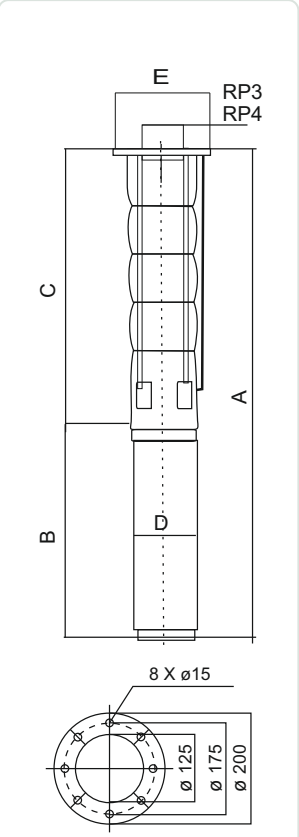
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
48 m³/h	24–60 m³/h	496 m	1.1–55 kW	4″ BSP	36

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q				
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	24	36	48	60
						0 L/min	400	600	800	1000
OSP-46/1-B(P4)50(4X6)	1.1	1.5	1-B	V-4	4″ BSP	9.5	8	7	**4**	0.5
OSP-46/1(P4)50(4X6)	2.2	3	1	V-4	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)	4	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves. From 21 to 30 stages also available with 8″ motor joining (8X6).

OSP-46
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	506	147	152	9.81	97
OSP-46/3-C(P4)50(6X6)	3-C	V-6	4	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	1071	147	152	22.39	144
OSP-46/8-C(P4)50(6X6)	8-C	V-6	11	1184	147	152	24.75	144
OSP-46/8(P4)50(6X6)	8	V-6	13	1184	147	152	24.75	144
OSP-46/9-C(P4)50(6X6)	9-C	V-6	13	1297	147	152	27.11	144
OSP-46/9(P4)50(6X6)	9	V-6	15	1297	147	152	27.11	144
OSP-46/10(P4)50(6X6)	10	V-6	15	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	1749	147	152	36.56	144
OSP-46/14(P4)50(6X6)	14	V-6	22	1862	147	152	38.92	144
OSP-46/15(P4)50(6X6)	15	V-6	22	1975	147	152	41.28	144
OSP-46/16(P4)50(6X6)	16	V-6	26	2088	147	152	43.65	144
OSP-46/17(P4)50(6X6)	17	V-6	26	2201	147	152	46.01	144
OSP-46/18(P4)50(6X6)	18	V-6	30	2314	147	152	48.37	144
OSP-46/19(P4)50(6X6)	19	V-6	30	2427	147	152	50.73	144
OSP-46/20(P4)50(6X6)	20	V-6	30	2540	147	152	53.09	144
OSP-46/21(P4)50(6X6)	21	V-6	37	2653	147	152	55.46	144
OSP-46/22(P4)50(6X6)	22	V-6	37	2766	147	152	57.82	144
OSP-46/23(P4)50(6X6)	23	V-6	37	2879	147	152	60.18	144
OSP-46/24(P4)50(6X6)	24	V-6	37	2992	147	152	62.54	144
OSP-46/25(P4)50(6X6)	25	V-6	45	3105	147	152	64.90	144
OSP-46/28(P4)50(6X6)	28	V-6	45	3444	147	188	71.99	144
OSP-46/30(P4)50(6X6)	30	V-6	45	3670	147	152	76.71	144
OSP-46/33(P4)50(8X6)	33	V-8	55	4044	188	188	89.90	189
OSP-46/35(P4)50(8X6)	35	V-8	55	4270	188	188	94.63	189
OSP-46/37(P4)50(8X6)	37	V-8	55	4496	188	188	99.35	189

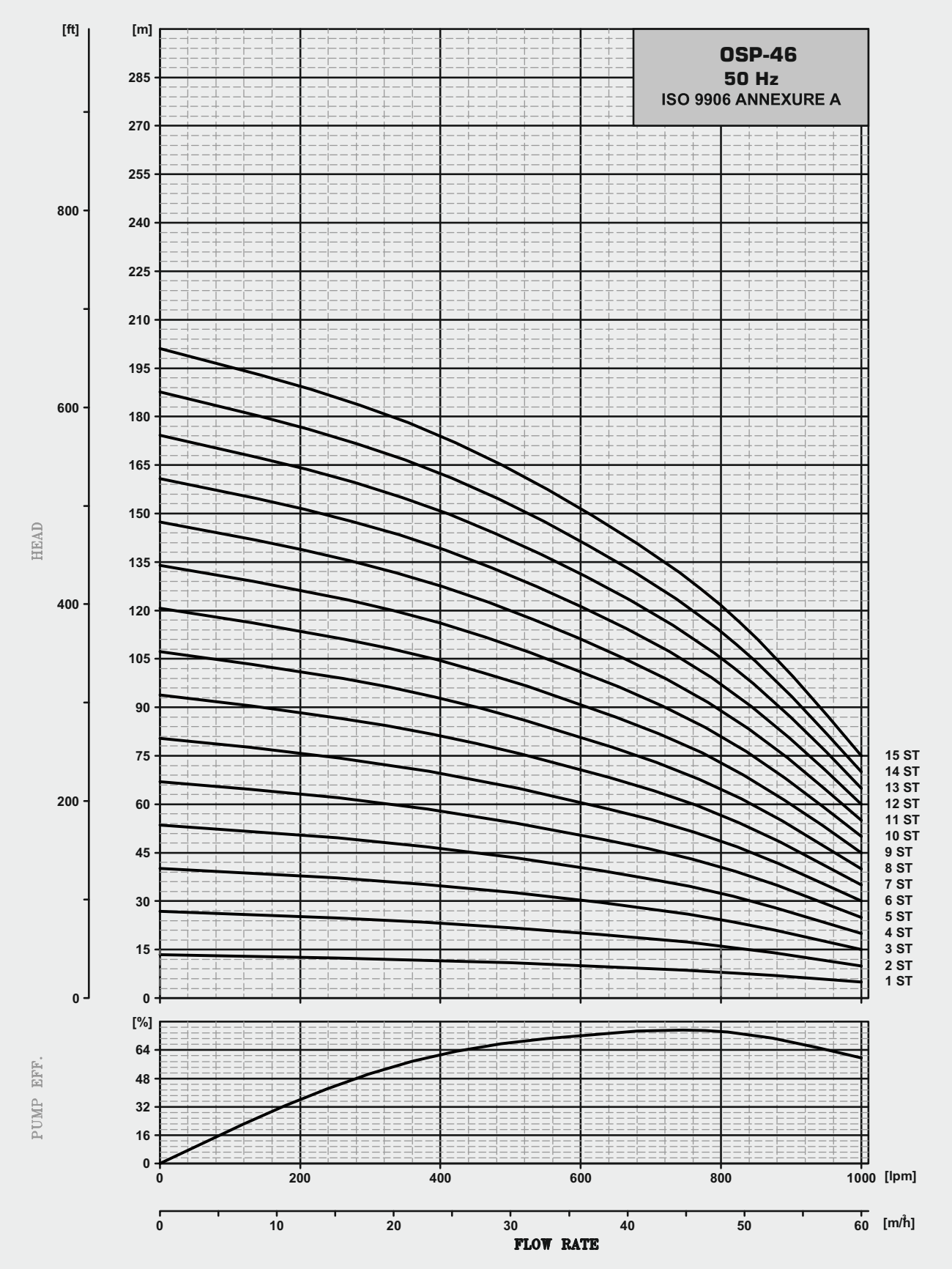


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

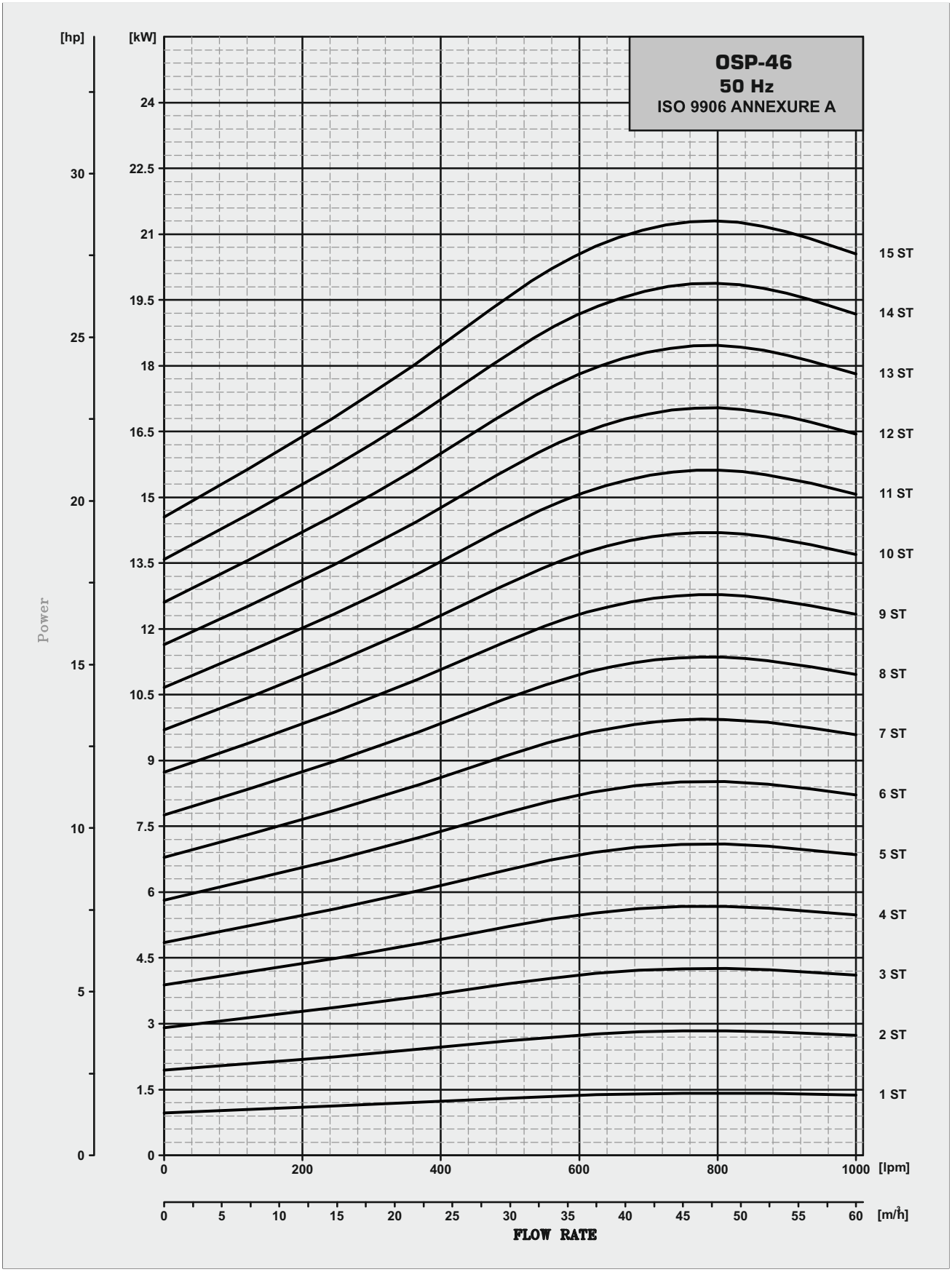
OSP-46 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 8



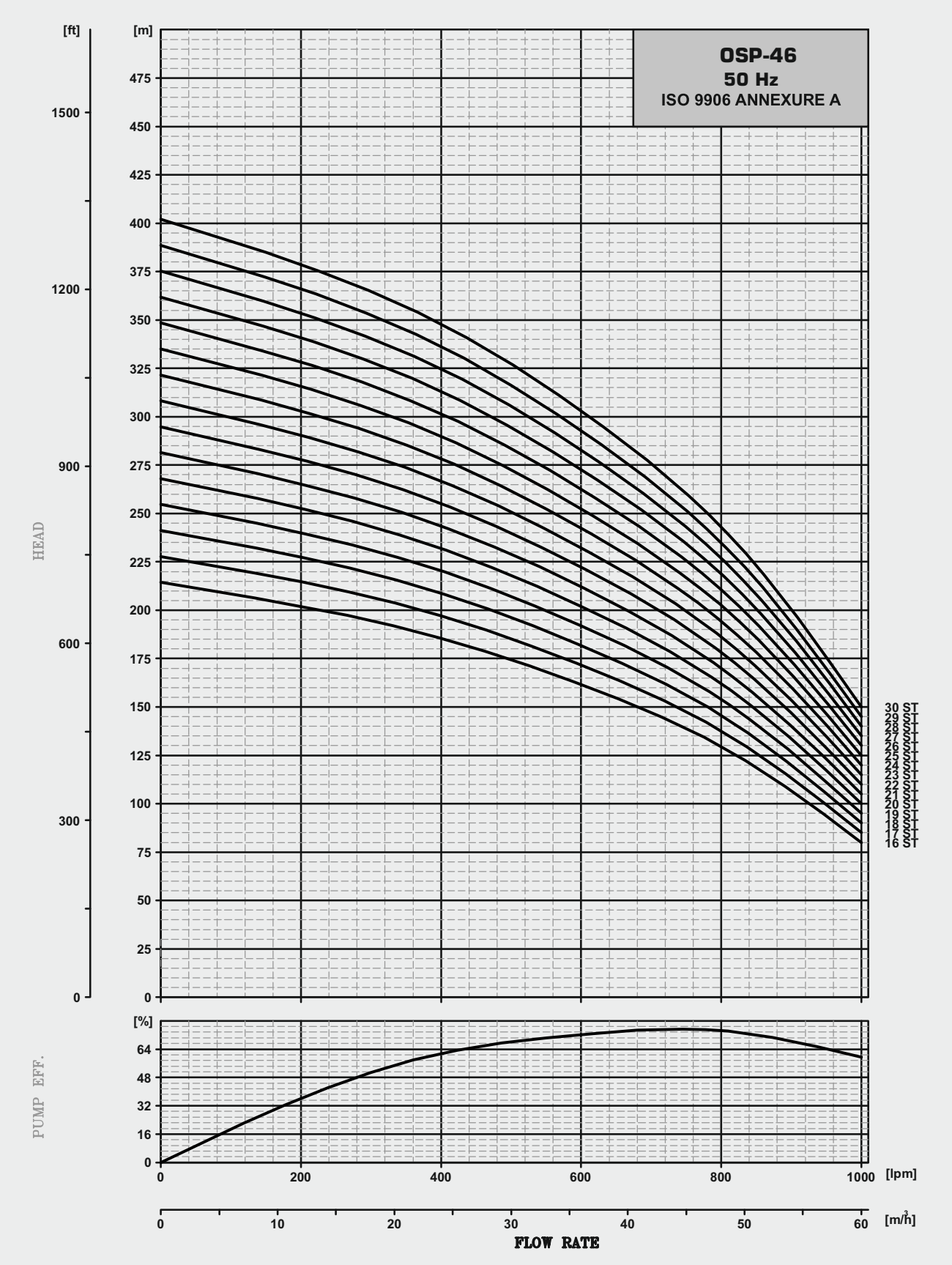
OSP-46 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 8



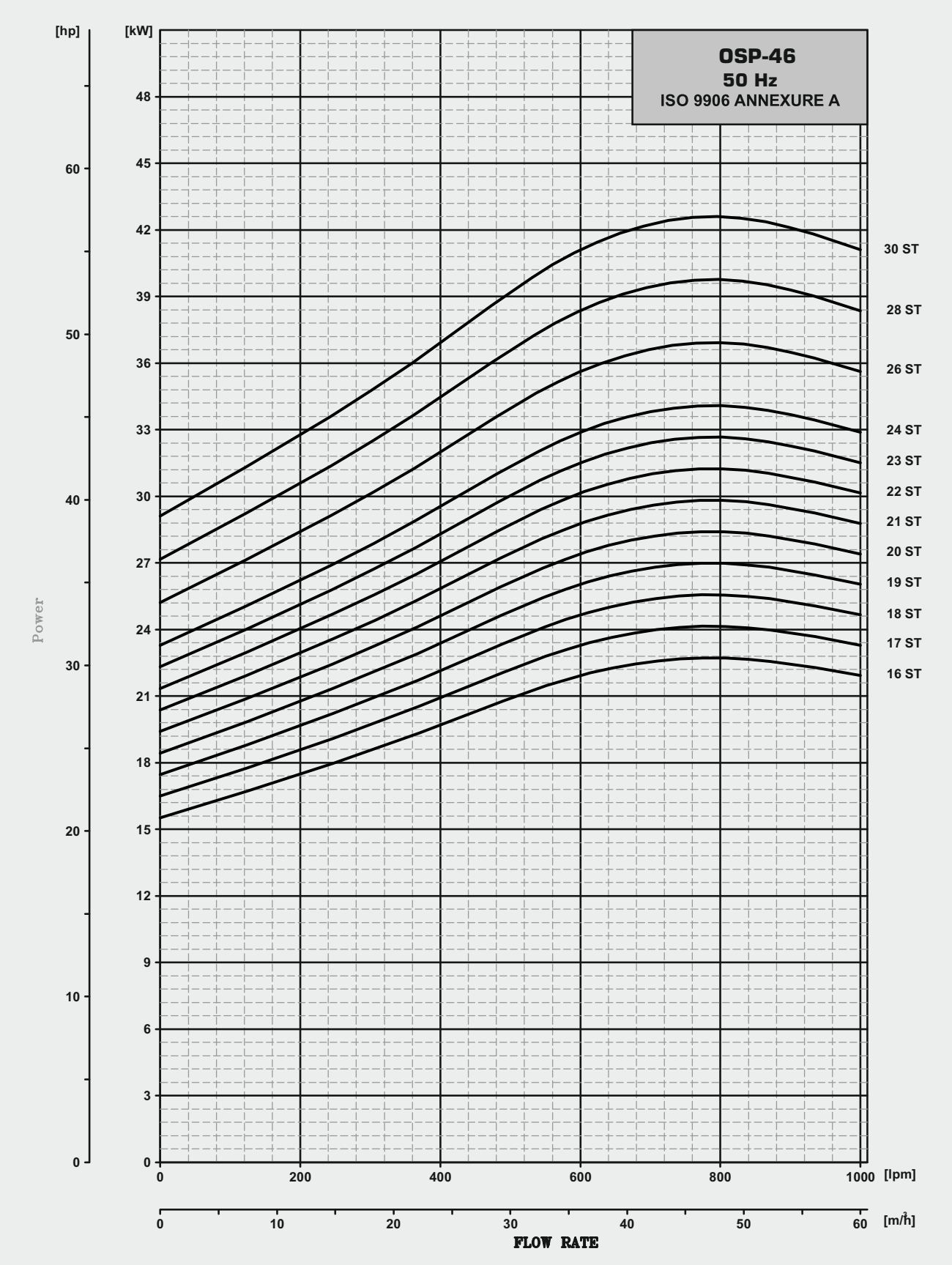
OSP-46 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 8



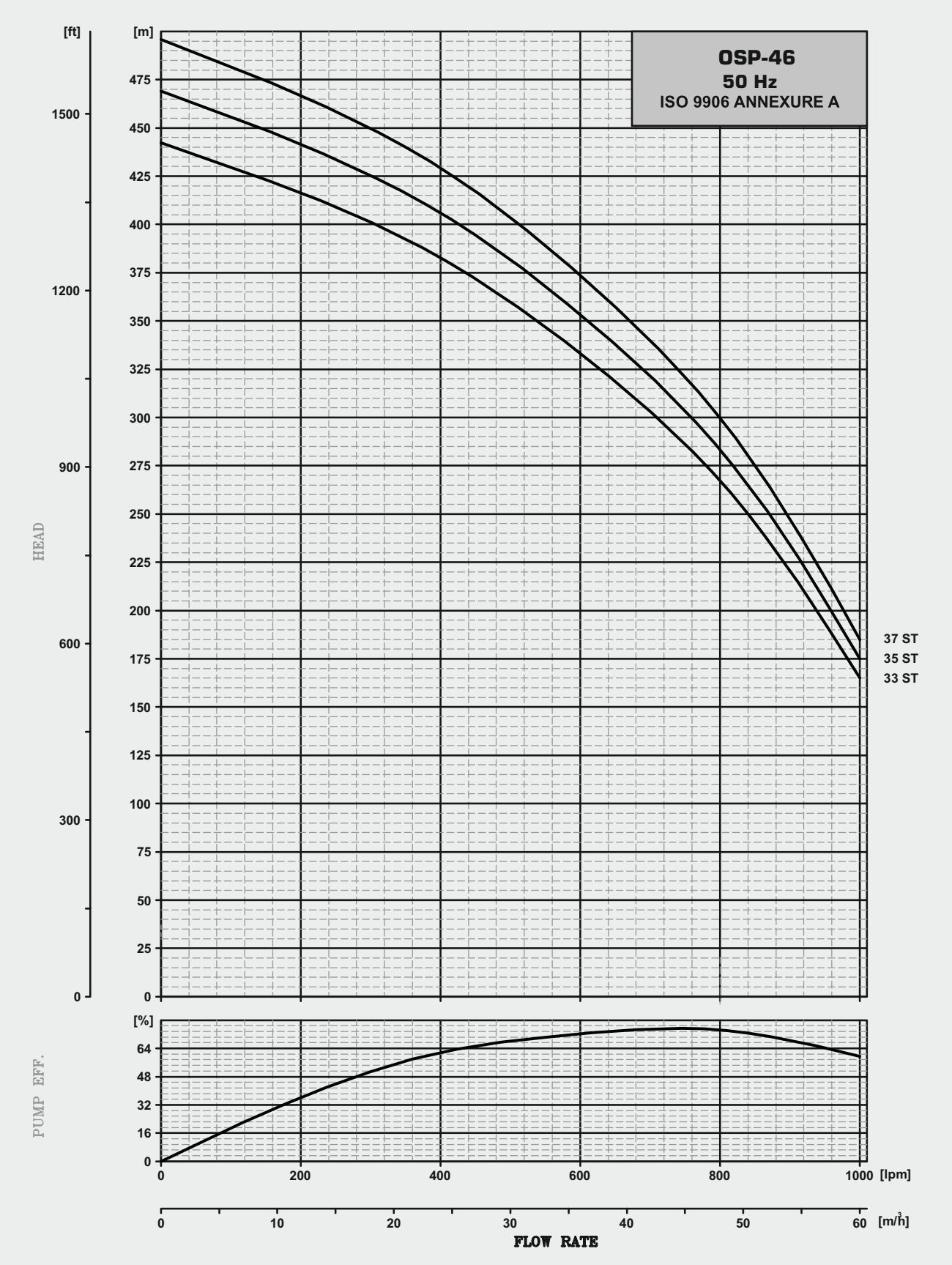
OSP-46 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 8



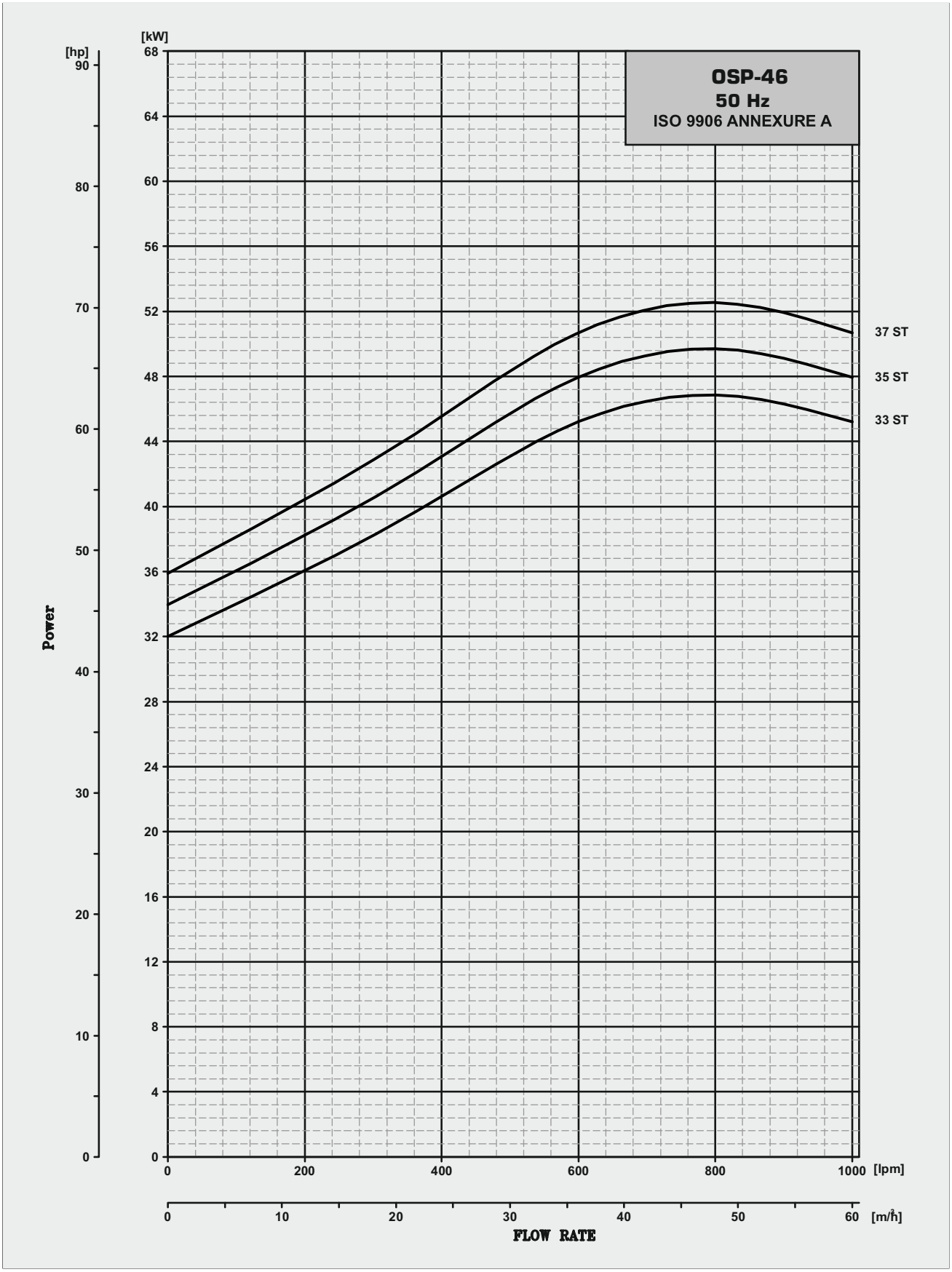
OSP-46 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 8



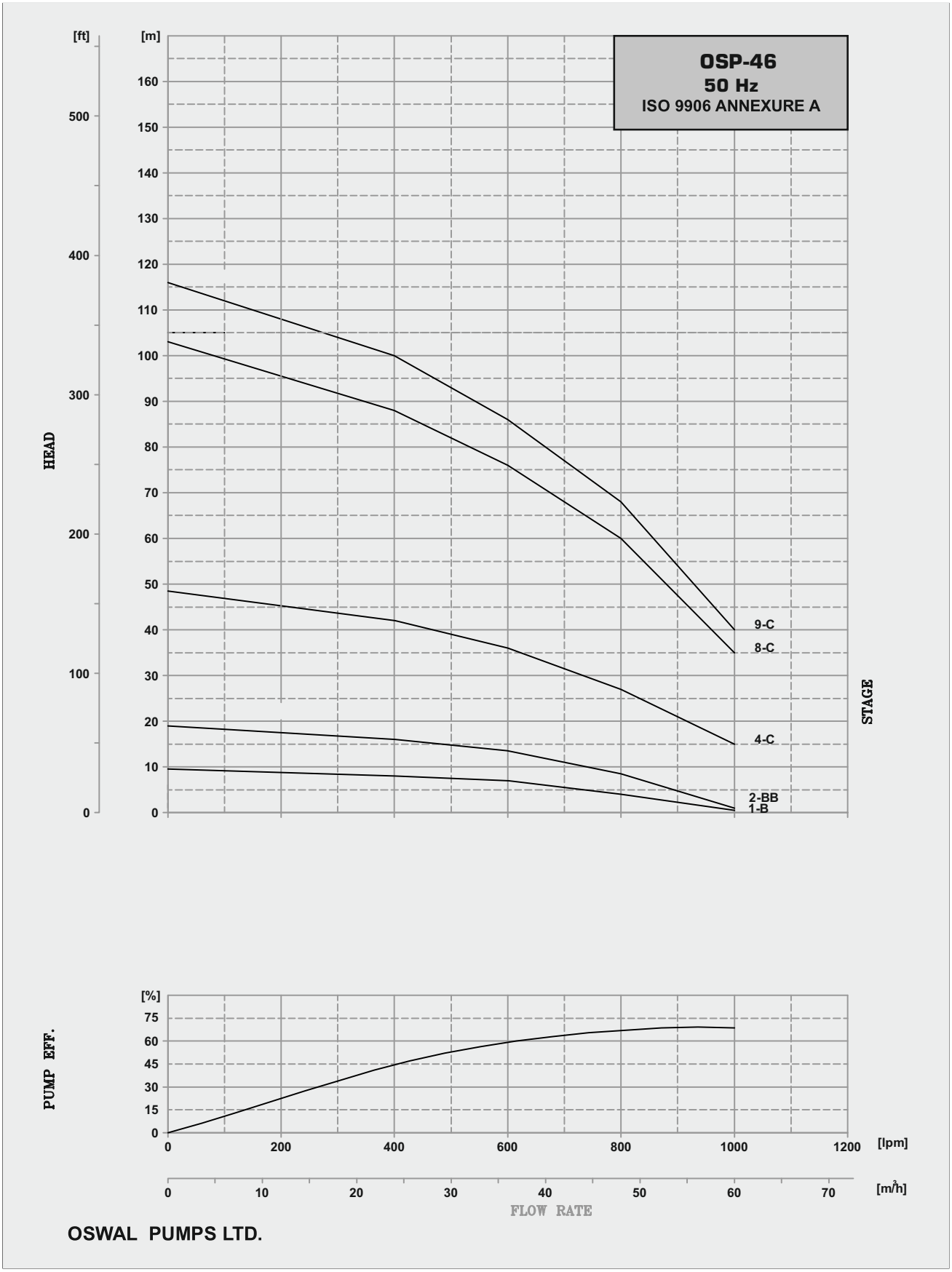
OSP-46 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 8



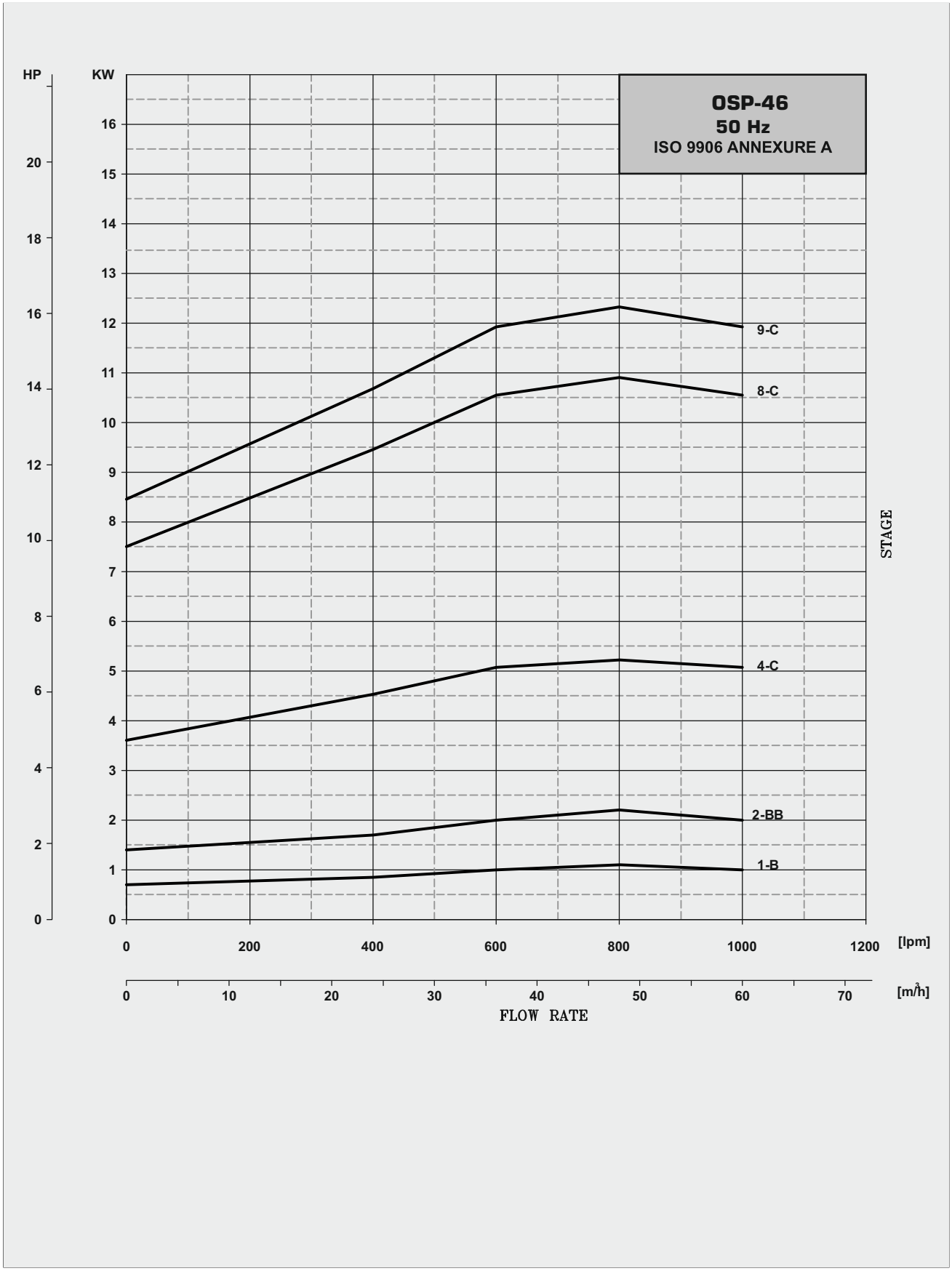
OSP-46 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 7 of 8



OSP-46 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 8 of 8



6″ · MIXED FLOW

OSP-60

Performance table

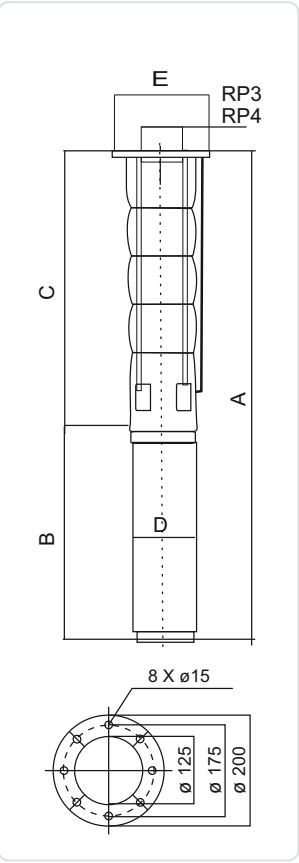
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
60 m³/h	24–72 m³/h	426 m	1.5–55 kW	4″ BSP	30

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	24	36	48	60	72
						0 L/min	400	600	800	1000	1200
OSP-60/1-A(P4)50(4X6)	1.5	2	1-A	V-4	4″ BSP	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	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	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-6	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

OSP-60
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	506	147	152	9.81	97
OSP-60/2(P4)50(6X6)	2	V-6	4	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	958	147	152	20.03	144
OSP-60/7(P4)50(6X6)	7	V-6	13	1071	147	152	22.39	144
OSP-60/8-B(P4)50(6X6)	8-B	V-6	13	1184	147	152	24.75	144
OSP-60/8(P4)50(6X6)	8	V-6	15	1184	147	152	24.75	144
OSP-60/9-B(P4)50(6X6)	9-B	V-6	15	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	1523	147	152	31.84	144
OSP-60/12(P4)50(6X6)	12	V-6	22	1636	147	152	34.20	144
OSP-60/13(P4)50(6X6)	13	V-6	26	1749	147	152	36.56	144
OSP-60/14(P4)50(6X6)	14	V-6	26	1862	147	152	38.92	144
OSP-60/15(P4)50(6X6)	15	V-6	26	1975	147	152	41.28	144
OSP-60/16(P4)50(6X6)	16	V-6	30	2088	188	188	43.65	144
OSP-60/17(P4)50(6X6)	17	V-6	30	2201	188	188	46.01	144
OSP-60/18(P4)50(6X6)	18	V-6	37	2314	188	188	48.37	144
OSP-60/19(P4)50(6X6)	19	V-6	37	2427	188	188	50.73	144
OSP-60/20(P4)50(6X6)	20	V-6	37	2540	188	188	53.09	144
OSP-60/21(P4)50(6X6)	21	V-6	37	2653	188	188	55.46	144
OSP-60/22(P4)50(6X6)	22	V-6	45	2766	188	188	57.82	144
OSP-60/24(P4)50(6X6)	24	V-6	45	2992	188	188	62.54	144
OSP-60/26(P4)50(8X6)	26	V-8	55	3253	188	188	73.37	189
OSP-60/28(P4)50(8X6)	28	V-8	55	3479	188	188	78.09	189
OSP-60/30(P4)50(8X6)	30	V-8	55	3705	188	188	82.82	189

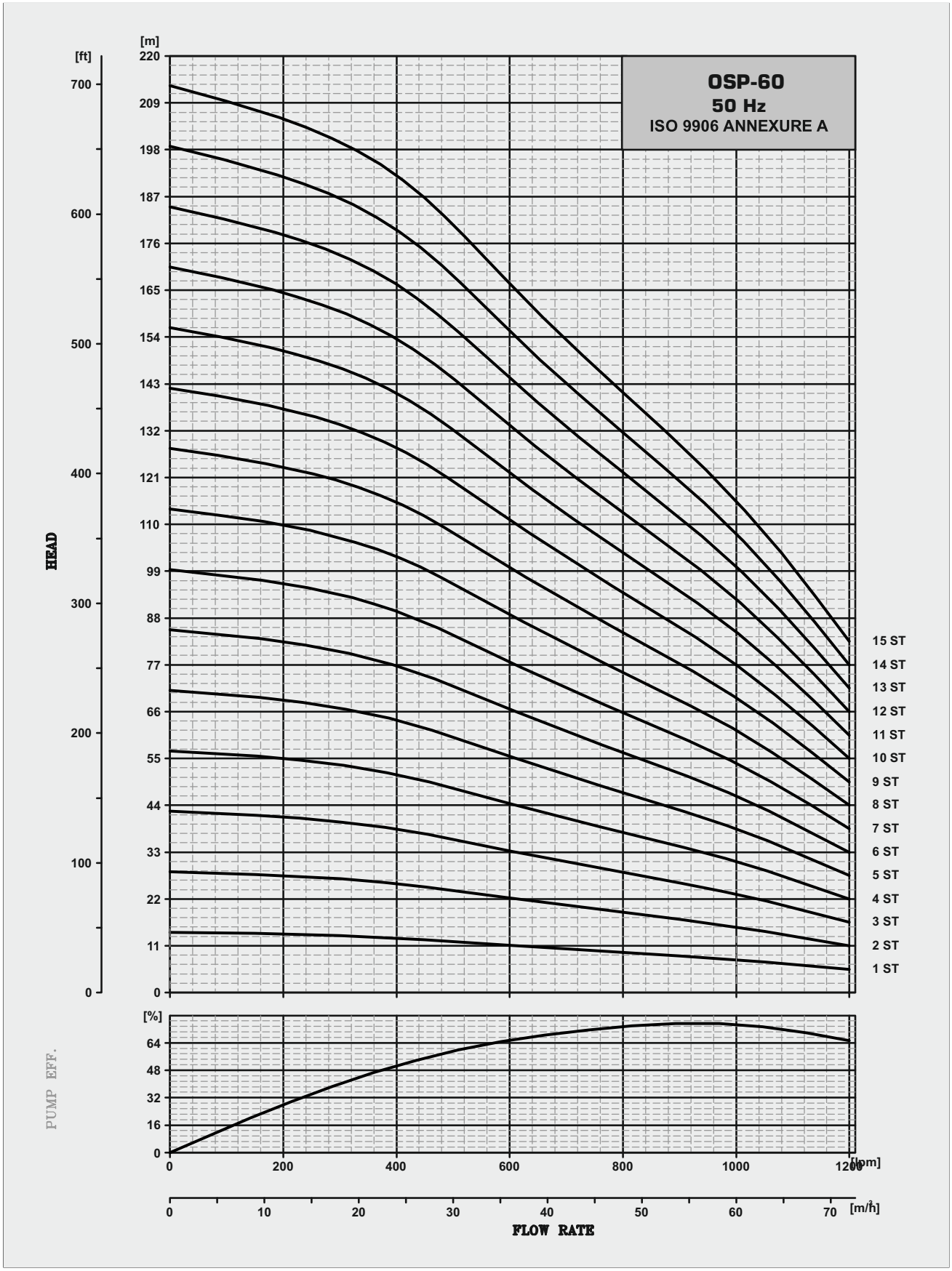


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

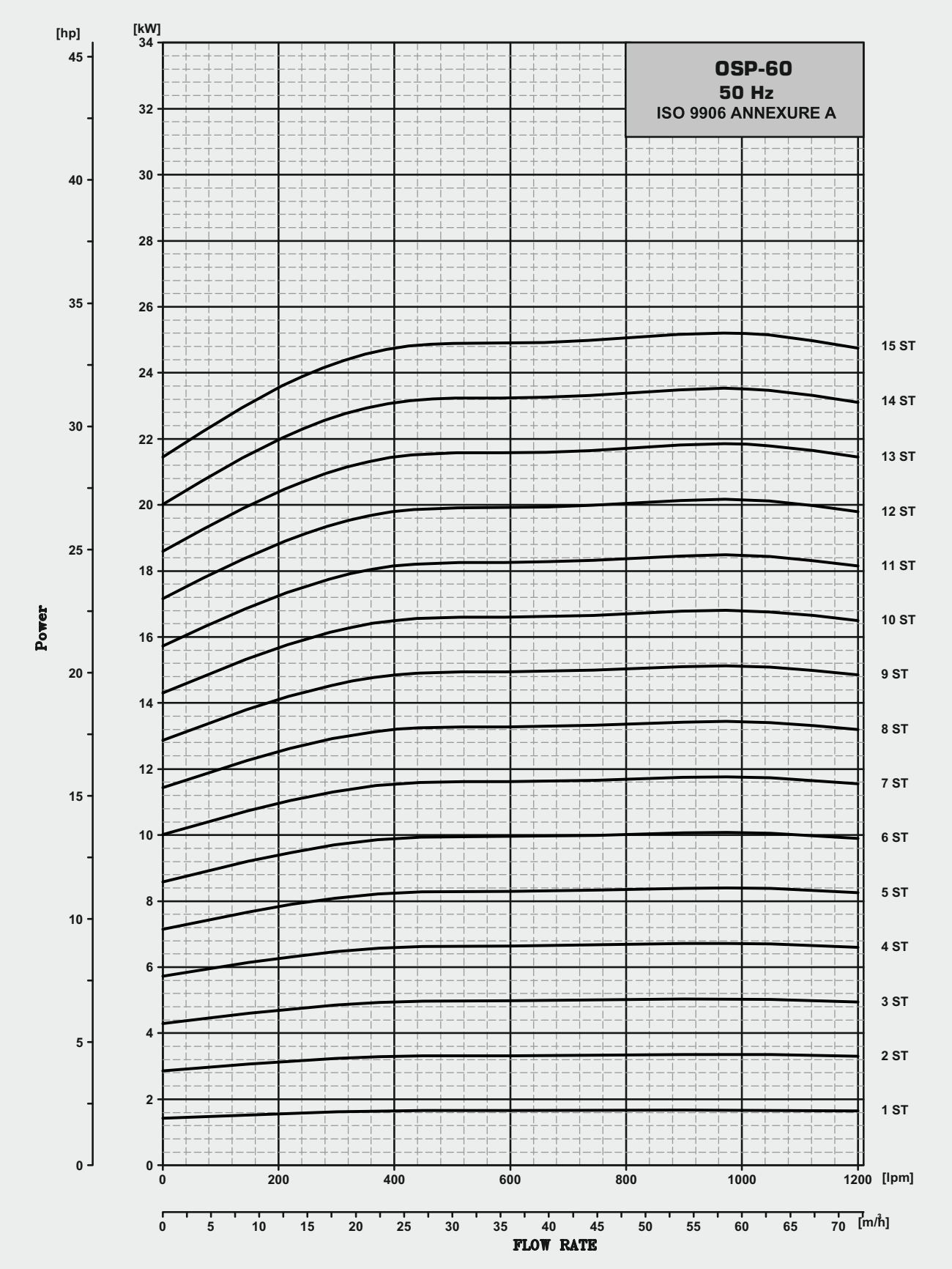
OSP-60 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



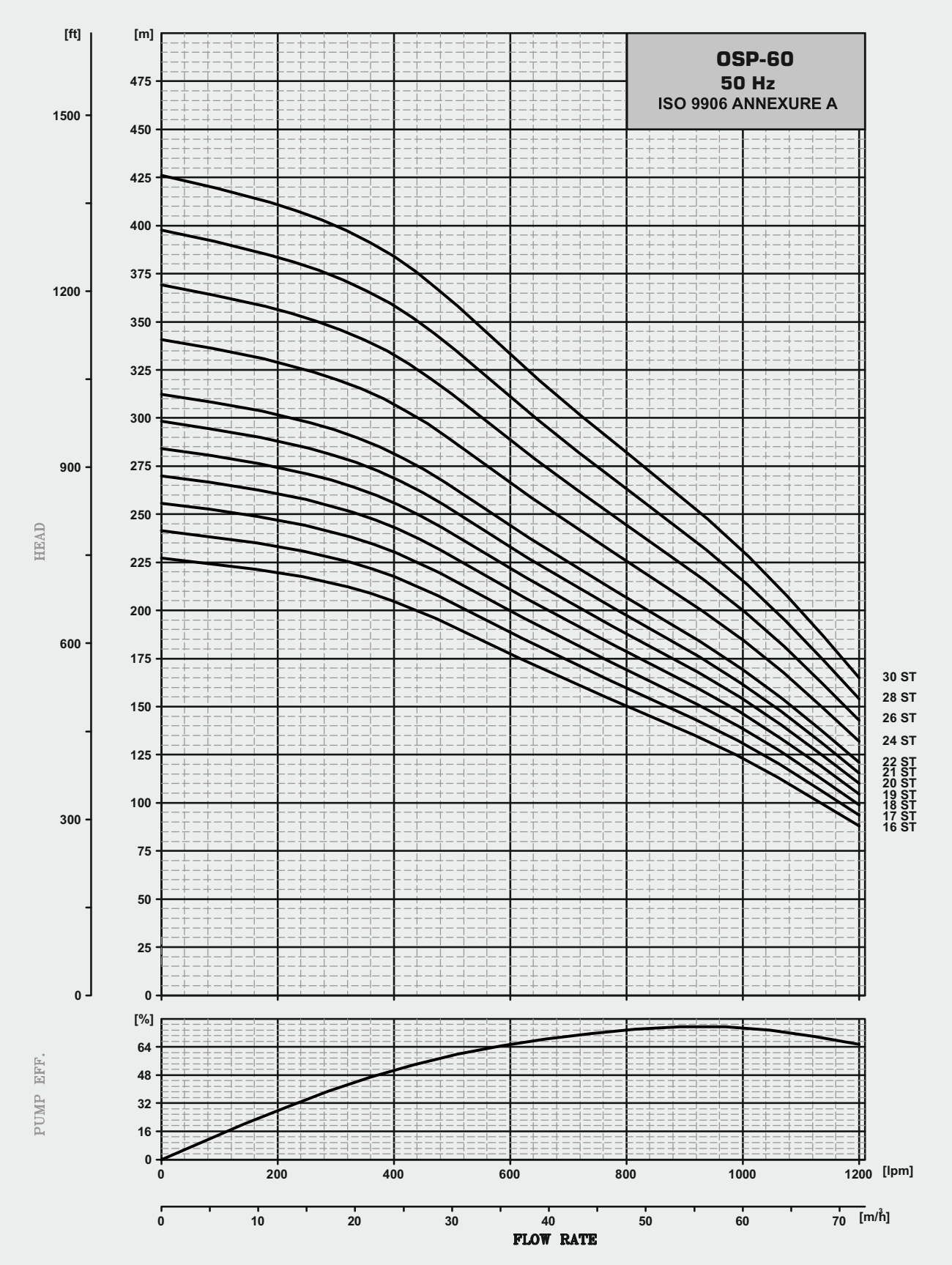
OSP-60 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



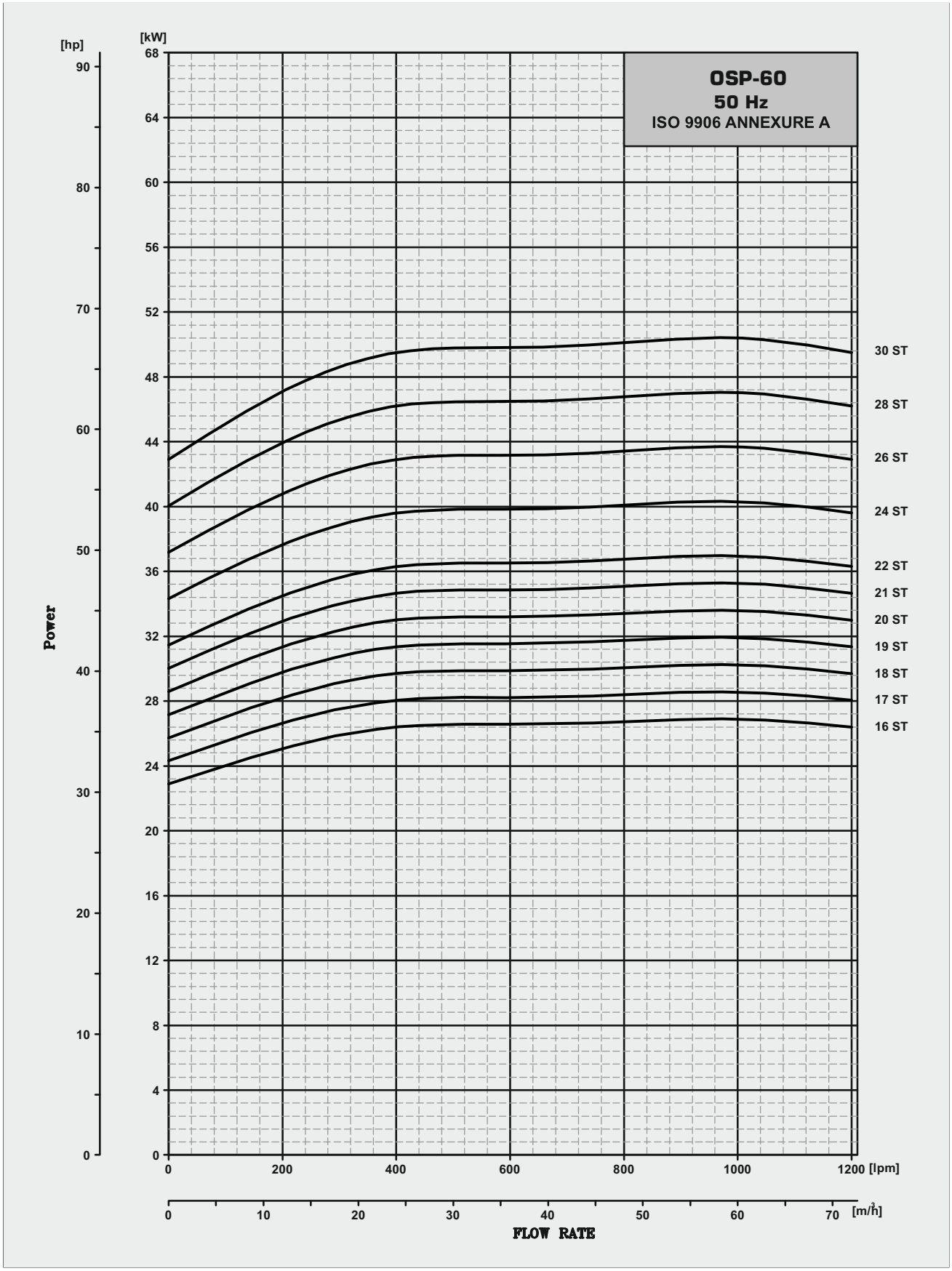
OSP-60 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



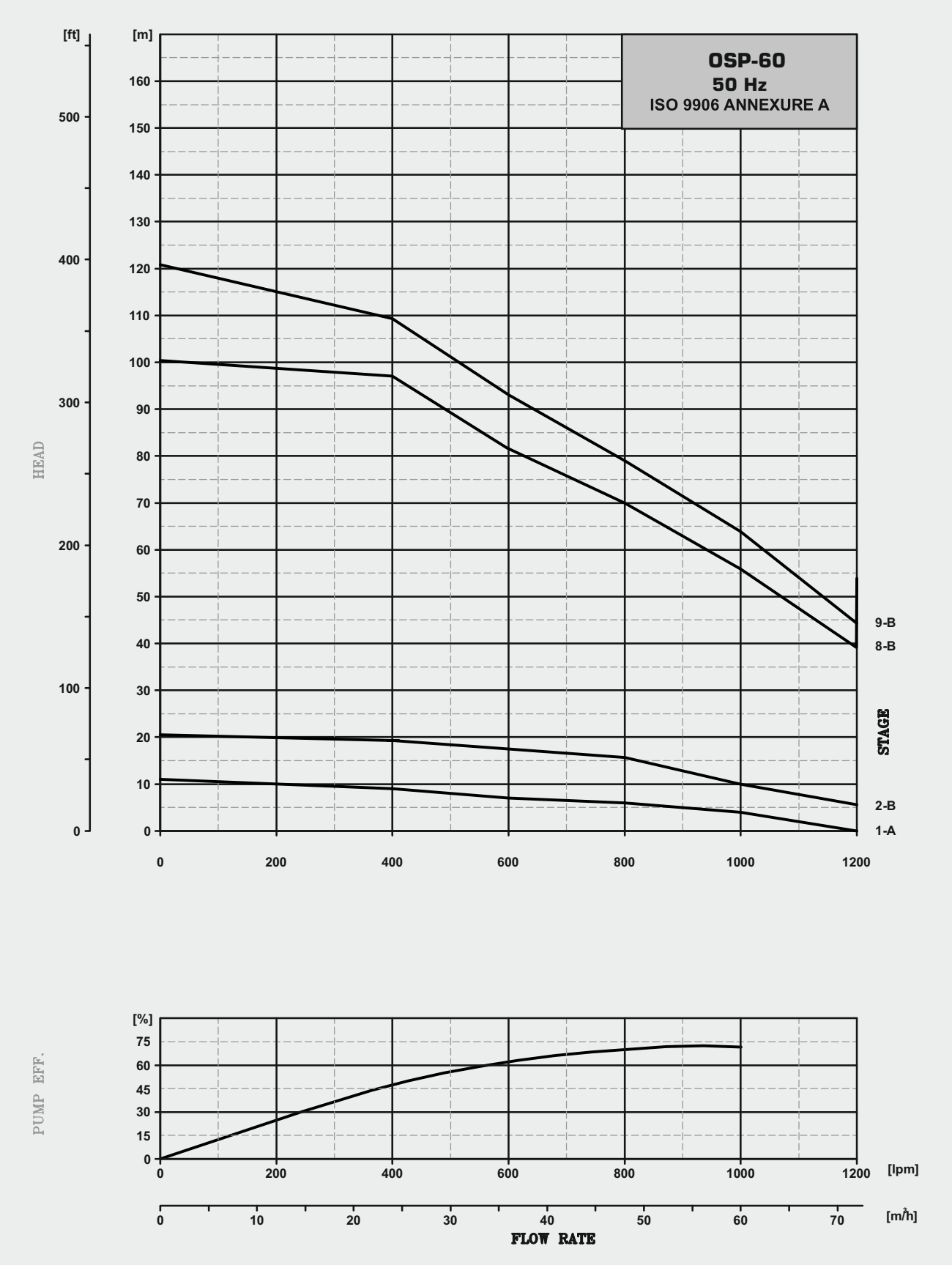
OSP-60 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



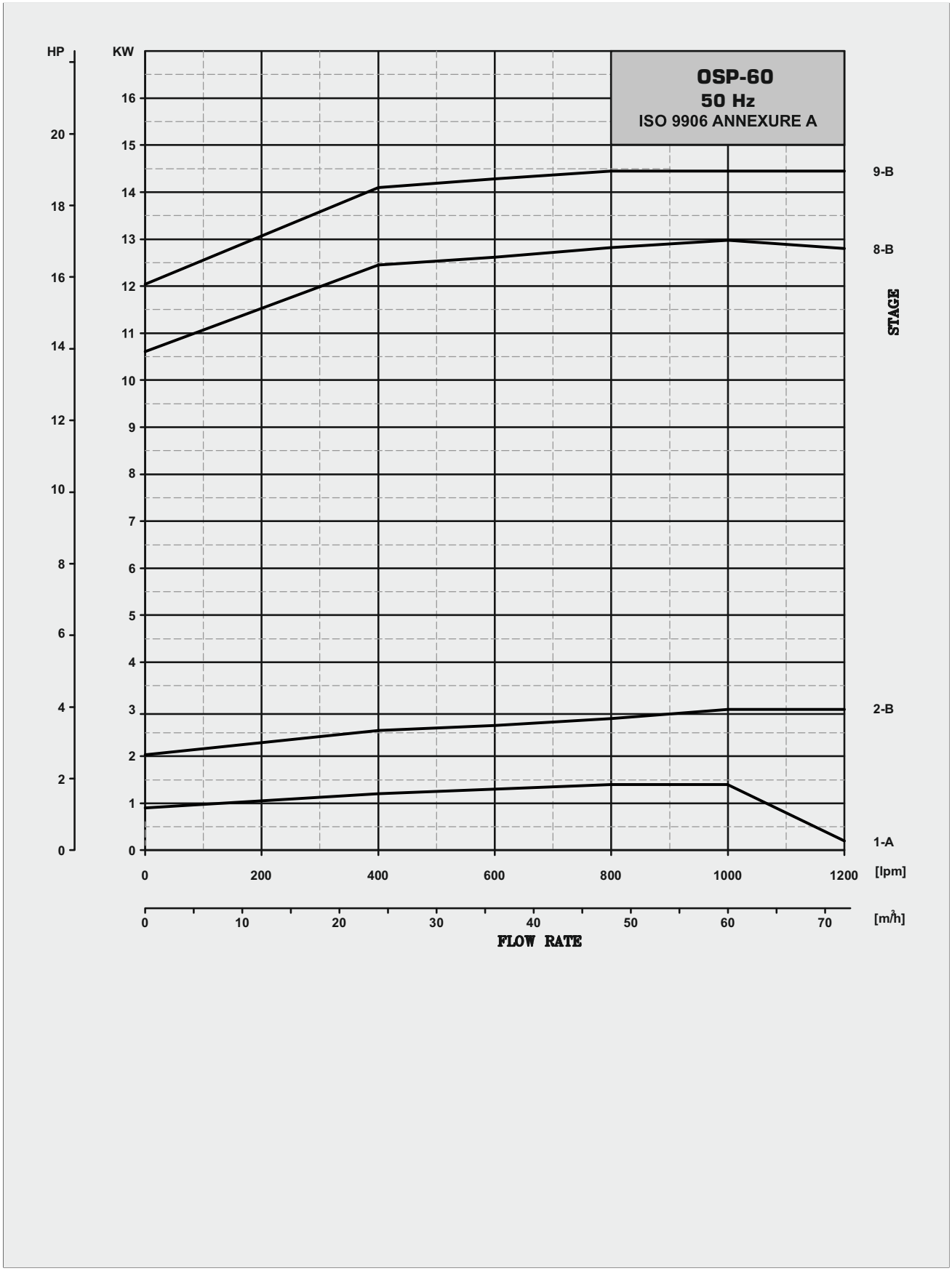
OSP-60 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-60 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



6″ · MIXED FLOW

OSP-40

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
–	18–63 m³/h	266 m	4–30 kW	4″ BSP	22

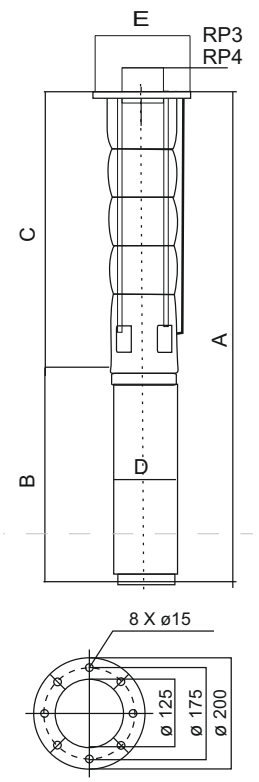
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	18	31.5	40.5	48	63
						0 L/min	300	525	675	800	1050
OSP-40/3(P4)50(6X6)	4	5.5	3	V-6	4″ BSP	33	30	26	23	18	6
OSP-40/4(P4)50(6X6)	5.5	7.5	4	V-6	4″ BSP	44	40	35	30	24	8
OSP-40/5(P4)50(6X6)	7.5	10	5	V-6	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-40/24(P4)50(6X6)	30	40	24	V-6	4″ BSP	266	242	209	182	144	46

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

OSP-40
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
OSP-40/3(P4)50(6X6)	3	V-6	4	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-40/24(P4)50(6X6)	24	V-6	30	2992	147	152	62.54	144

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

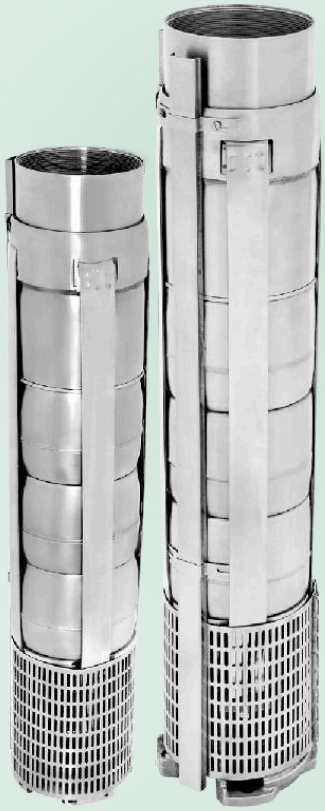
8″

MIXED-FLOW · 200 MM BOREWELL

8″ Submersible Pumps

Submersible motor and pump sets for 8″ (200 mm) borewells. All pump sizes to NEMA standard; completely made of AISI 304 stainless steel.

OSP-77 OSP-95



FLOW	HEAD	POWER	MODELS
48–120 m³/h	up to 440 m	5.5–93 kW	52
tabulated flow range	shut-off, highest stage	motor ratings	in 2 families

Construction

- Mixed-flow hydraulics: OSP-77, OSP-95
- All sizes according to NEMA standard
- Completely AISI 304 stainless steel
- Also available with NPT connection

Applications

- Water supply
- Irrigation
- Civil and industrial applications
- Fire-fighting

Operating conditions

- Max. ambient temperature 50 °C
- Max. sand content 50 g/m³
- Min. suction head 1.5 m
- Max. 30 starts/hour at regular intervals
- Rotation clockwise seen from pump coupling side

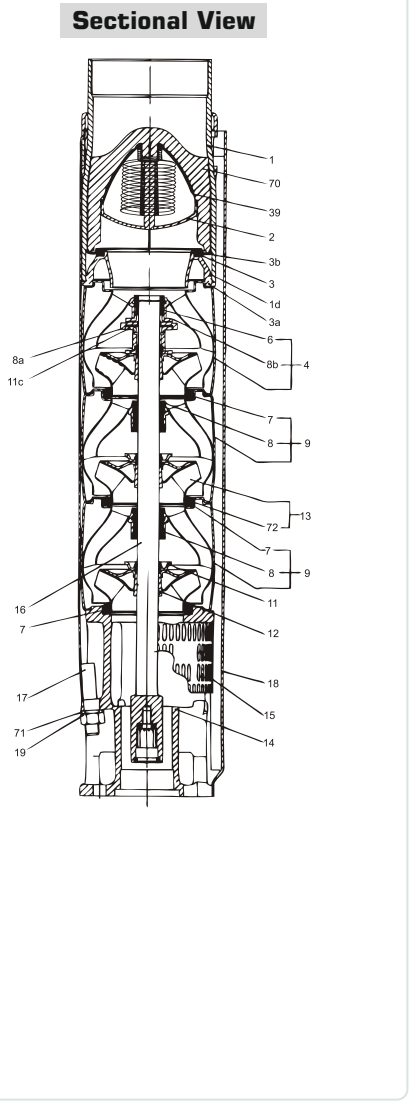
Flow, head and power figures above are derived from the performance tables in this section.

MATERIAL OF CONSTRUCTION

OSP-77 / OSP-95

OSP-77 / OSP-95

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



Sectional view

8″ · MIXED FLOW

OSP-77

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
72 m³/h	48–96 m³/h	440 m	5.5–93 kW	5″ BSP	26

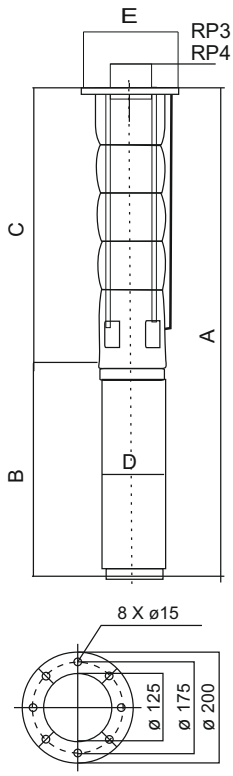
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	48	60	72	84	96
						0 L/min	800	1000	1200	1400	1600
OSP-77/1(P4)50(6X8)	5.5	7.5	1	V-6	5″ BSP	20	15.9	14.4	**12.8**	10.8	7.8
OSP-77/2-B(P4)50(6X8)	5.5	7.5	2-B	V-6	5″ BSP	33	29	25	**19**	17	15
OSP-77/2(P4)50(6X8)	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves. 1 to 12 stages also available with 8″ motor joining (8X8).

OSP-77
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	866	200	200	26.411	144
OSP-77/4-B(P4)50(6X8)	4-B	V-6	13	994	200	200	30.111	144
OSP-77/4(P4)50(6X8)	4	V-6	15	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	1250	200	200	37.511	144
OSP-77/7(P4)50(6X8)	7	V-6	26	1378	200	200	41.211	144
OSP-77/8-B(P4)50(6X8)	8-B	V-6	26	1506	200	200	44.911	144
OSP-77/8(P4)50(6X8)	8	V-6	30	1506	200	200	44.911	144
OSP-77/9(P4)50(6X8)	9	V-6	30	1634	200	200	48.611	144
OSP-77/10(P4)50(6X8)	10	V-6	37	1762	205	205	52.311	144
OSP-77/11(P4)50(6X8)	11	V-6	37	1890	205	205	56.011	144
OSP-77/12(P4)50(6X8)	12	V-6	45	2018	205	205	59.711	144
OSP-77/13(P4)50(8X8)	13	V-8	55	2176	205	205	67.03	189
OSP-77/14(P4)50(8X8)	14	V-8	55	2304	205	205	70.73	189
OSP-77/15(P4)50(8X8)	15	V-8	55	2432	205	205	74.43	189
OSP-77/16(P4)50(8X8)	16	V-8	67	2560	205	205	78.13	189
OSP-77/17(P4)50(8X8)	17	V-8	67	2688	205	205	81.83	189
OSP-77/18(P4)50(8X8)	18	V-8	67	2816	205	205	85.53	189
OSP-77/19(P4)50(8X8)	19	V-8	75	2944	205	205	89.23	189
OSP-77/20(P4)50(8X8)	20	V-8	75	3072	205	205	92.93	189
OSP-77/21(P4)50(8X8)	21	V-8	75	3200	205	205	96.63	189
OSP-77/22(P4)50(8X8)	22	V-8	93	3328	205	205	100.33	189

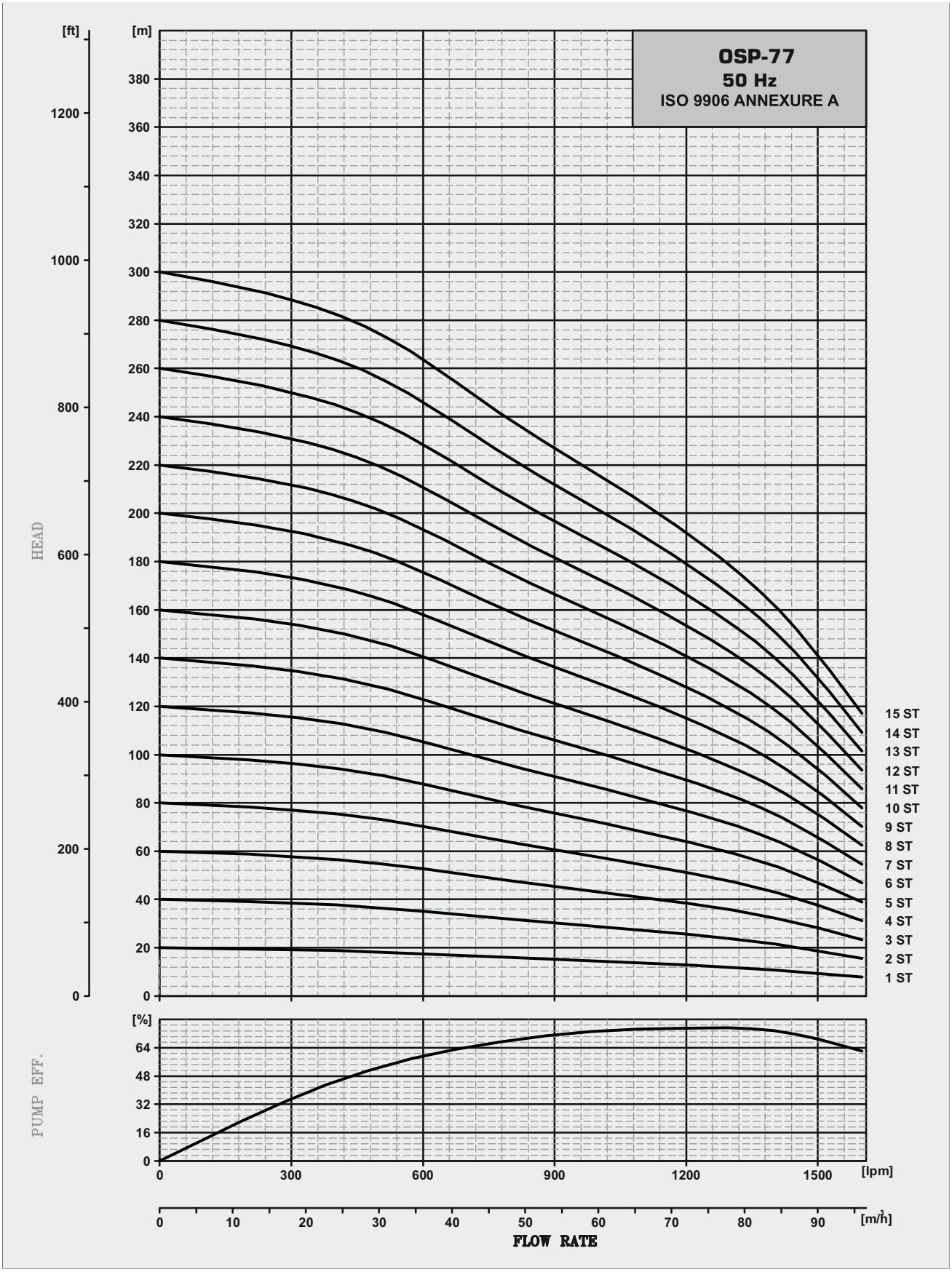
E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

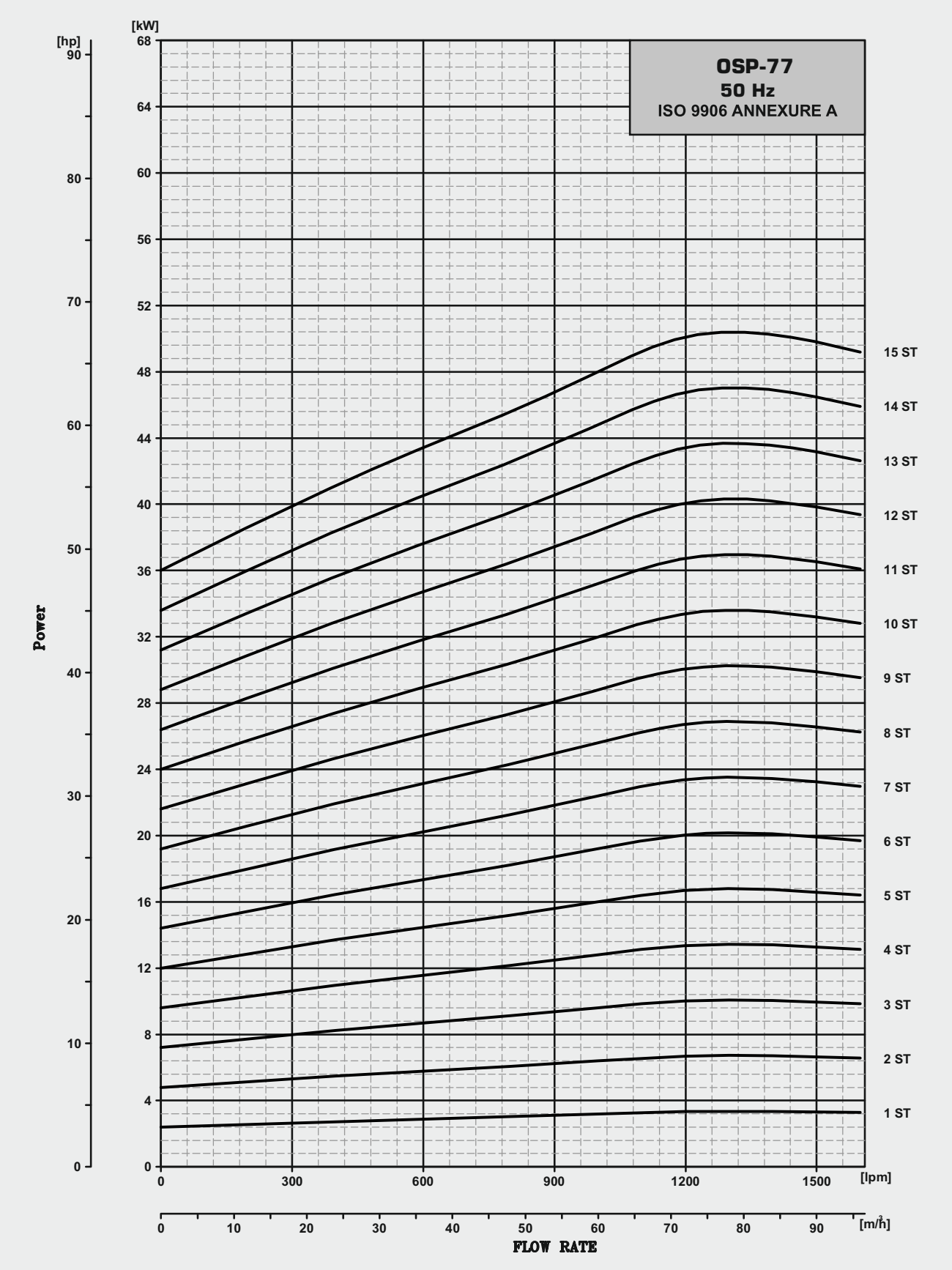
OSP-77 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



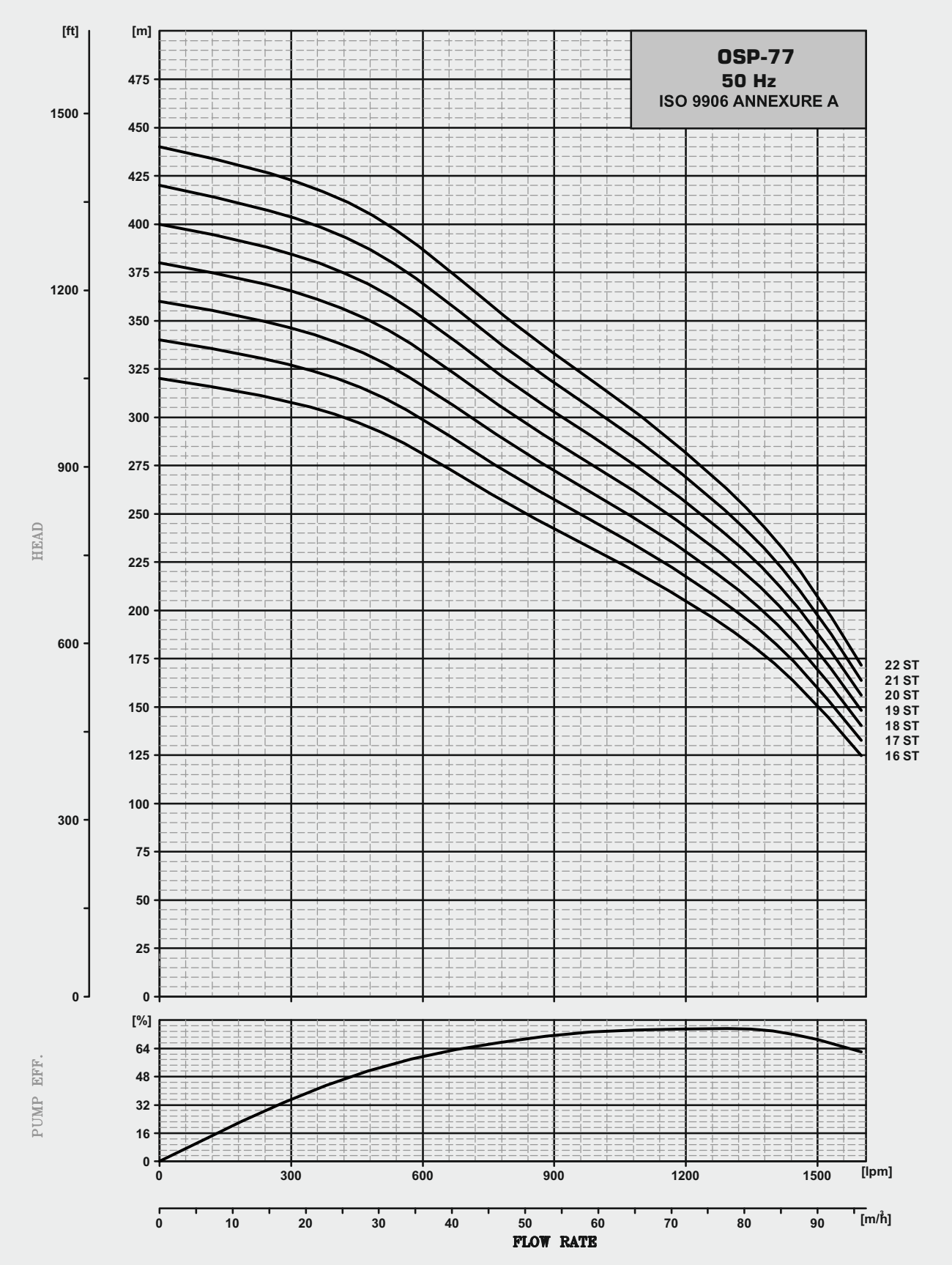
OSP-77 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



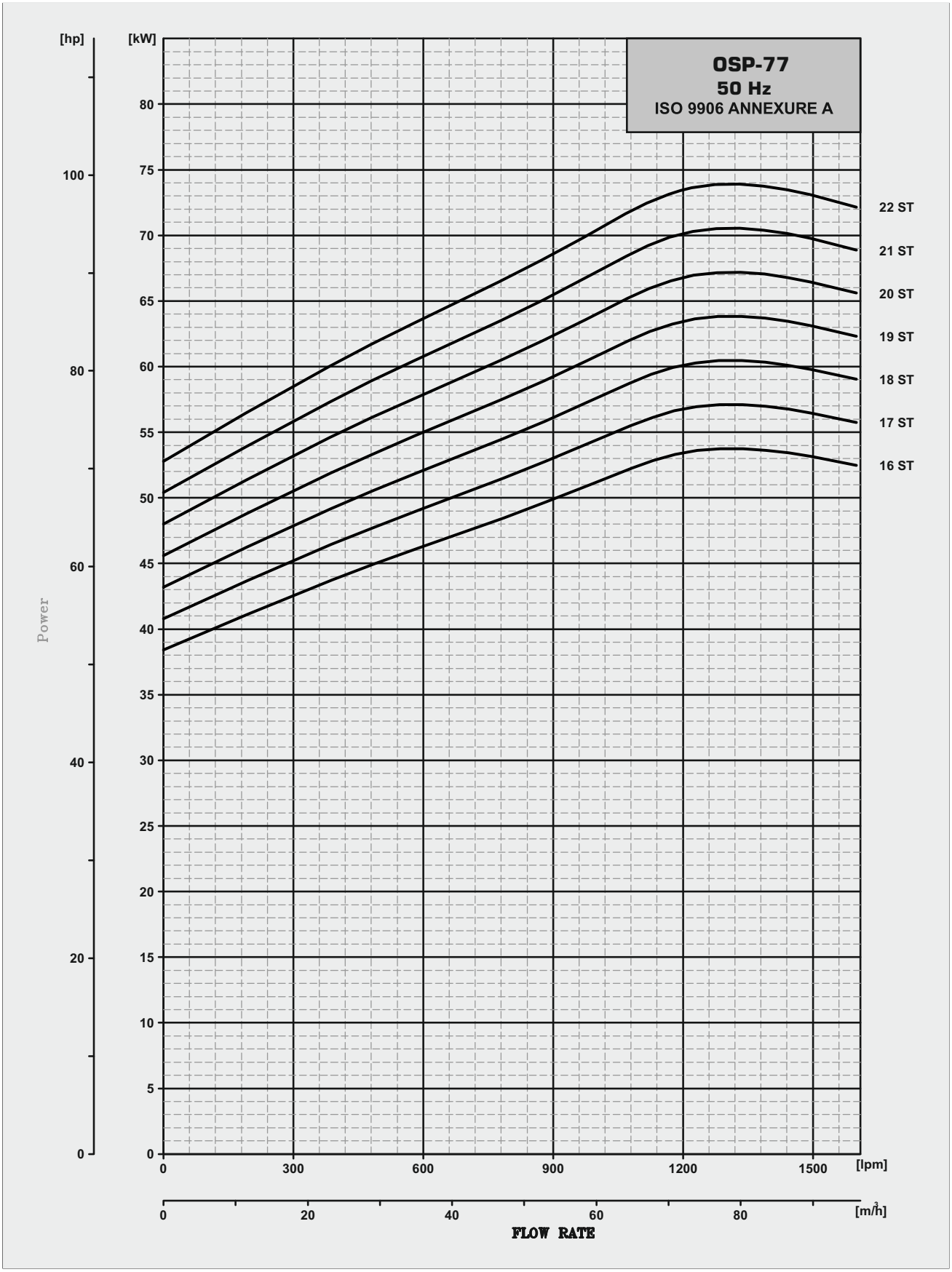
OSP-77 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



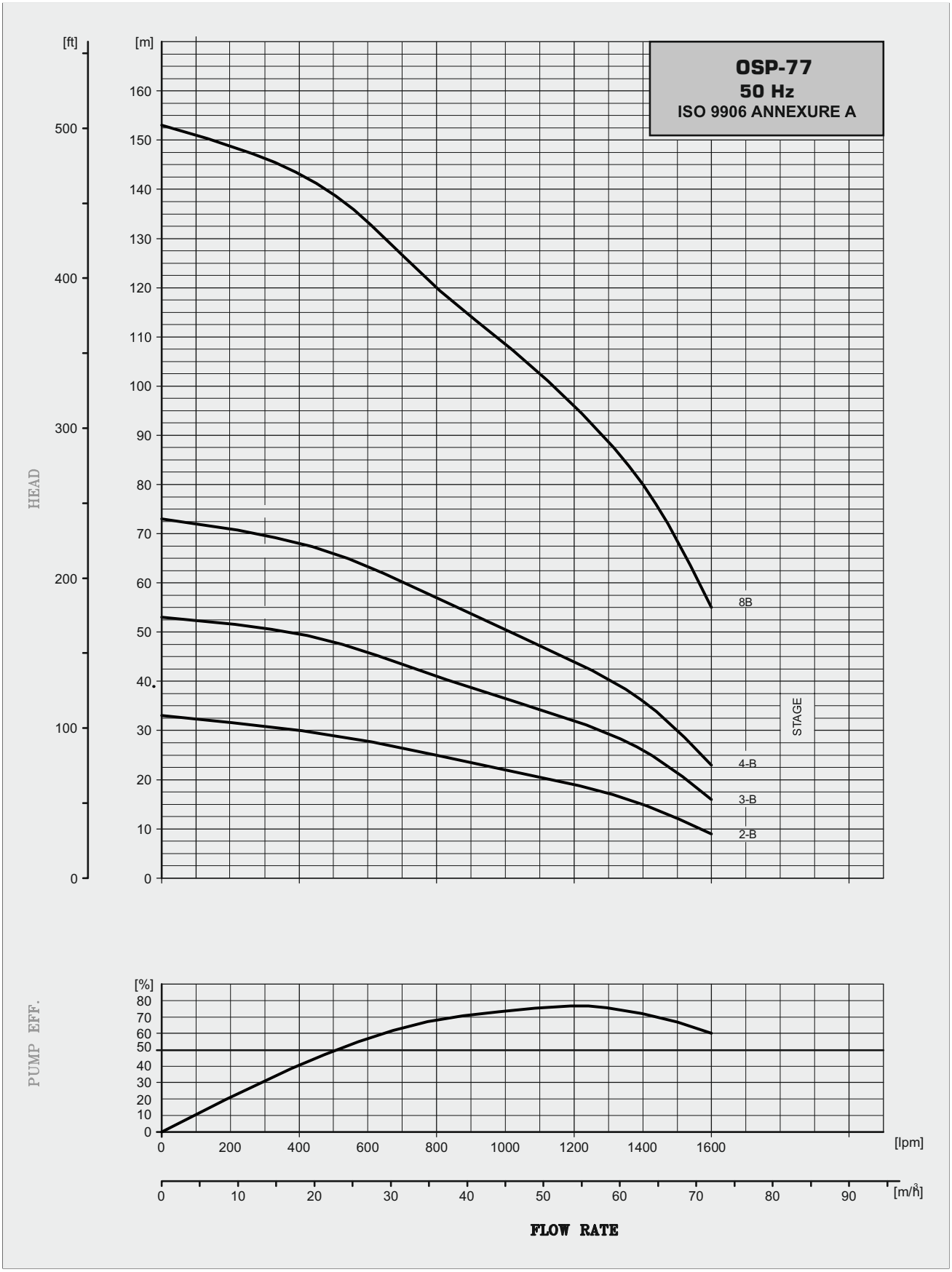
OSP-77 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



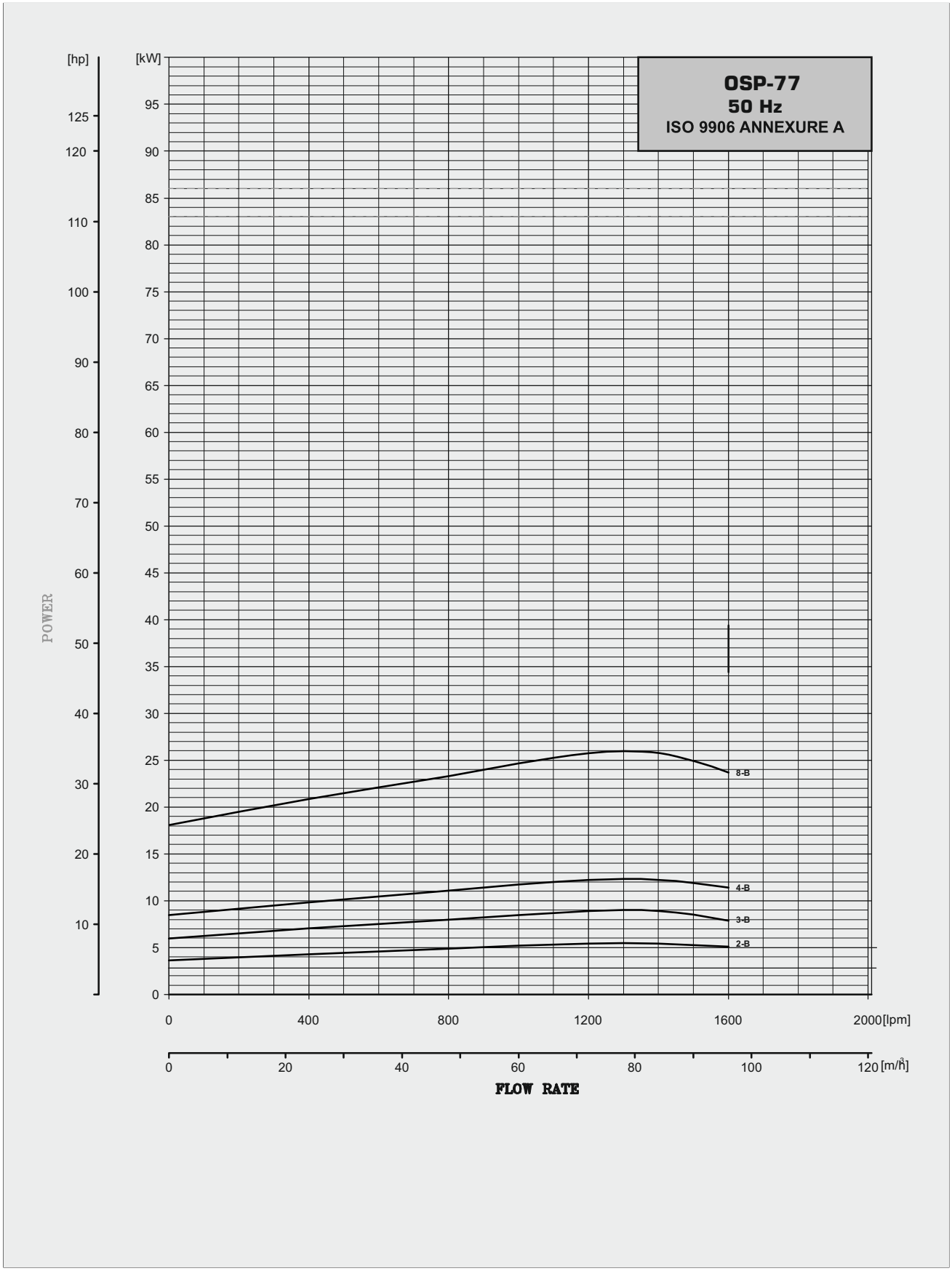
OSP-77 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-77 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



8″ · MIXED FLOW

OSP-95

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
96 m³/h	48–120 m³/h	428 m	5.5–93 kW	5″ BSP	26

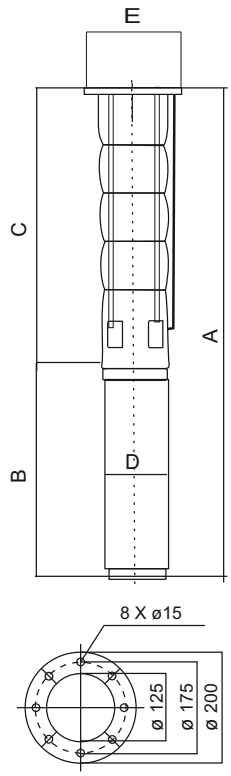
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	48	72	96	108	120
						0 L/min	800	1200	1600	1800	2000
OSP-95/1(P4)50(6X8)	5.5	7.5	1	V-6	5″ BSP	21.4	17.3	14.8	**11.8**	9.7	6.7
OSP-95/2-BB(P4)50(6X8)	5.5	7.5	2-BB	V-6	5″ BSP	27	22	19	**12**	6	2
OSP-95/2-A(P4)50(6X8)	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves. 1 to 10 stages also available with 8″ motor joining (8X8).

OSP-95
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	886	200	200	26.411	144
OSP-95/3(P4)50(6X8)	3	V-6	13	886	200	200	26.411	144
OSP-95/4-B(P4)50(6X8)	4-B	V-6	15	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	1122	200	200	33.811	144
OSP-95/6(P4)50(6X8)	6	V-6	26	1250	200	200	37.511	144
OSP-95/7(P4)50(6X8)	7	V-6	30	1378	200	200	41.211	144
OSP-95/8(P4)50(6X8)	8	V-6	37	1506	200	200	44.911	144
OSP-95/9(P4)50(6X8)	9	V-6	37	1634	200	200	48.611	144
OSP-95/10(P4)50(6X8)	10	V-6	45	1762	200	200	52.311	144
OSP-95/11(P4)50(8X8)	11	V-8	55	1920	205	205	59.63	189
OSP-95/12(P4)50(8X8)	12	V-8	55	2048	205	205	63.33	189
OSP-95/13(P4)50(8X8)	13	V-8	55	2176	205	205	67.03	189
OSP-95/14(P4)50(8X8)	14	V-8	67	2304	205	205	70.73	189
OSP-95/15(P4)50(8X8)	15	V-8	75	2432	205	205	74.43	189
OSP-95/16(P4)50(8X8)	16	V-8	75	2560	205	205	78.13	189
OSP-95/17(P4)50(8X8)	17	V-8	75	2688	205	205	81.83	189
OSP-95/18(P4)50(8X8)	18	V-8	93	2816	205	205	85.53	189
OSP-95/19(P4)50(8X8)	19	V-8	93	2944	205	205	89.23	189
OSP-95/20(P4)50(8X8)	20	V-8	93	3072	205	205	92.93	189

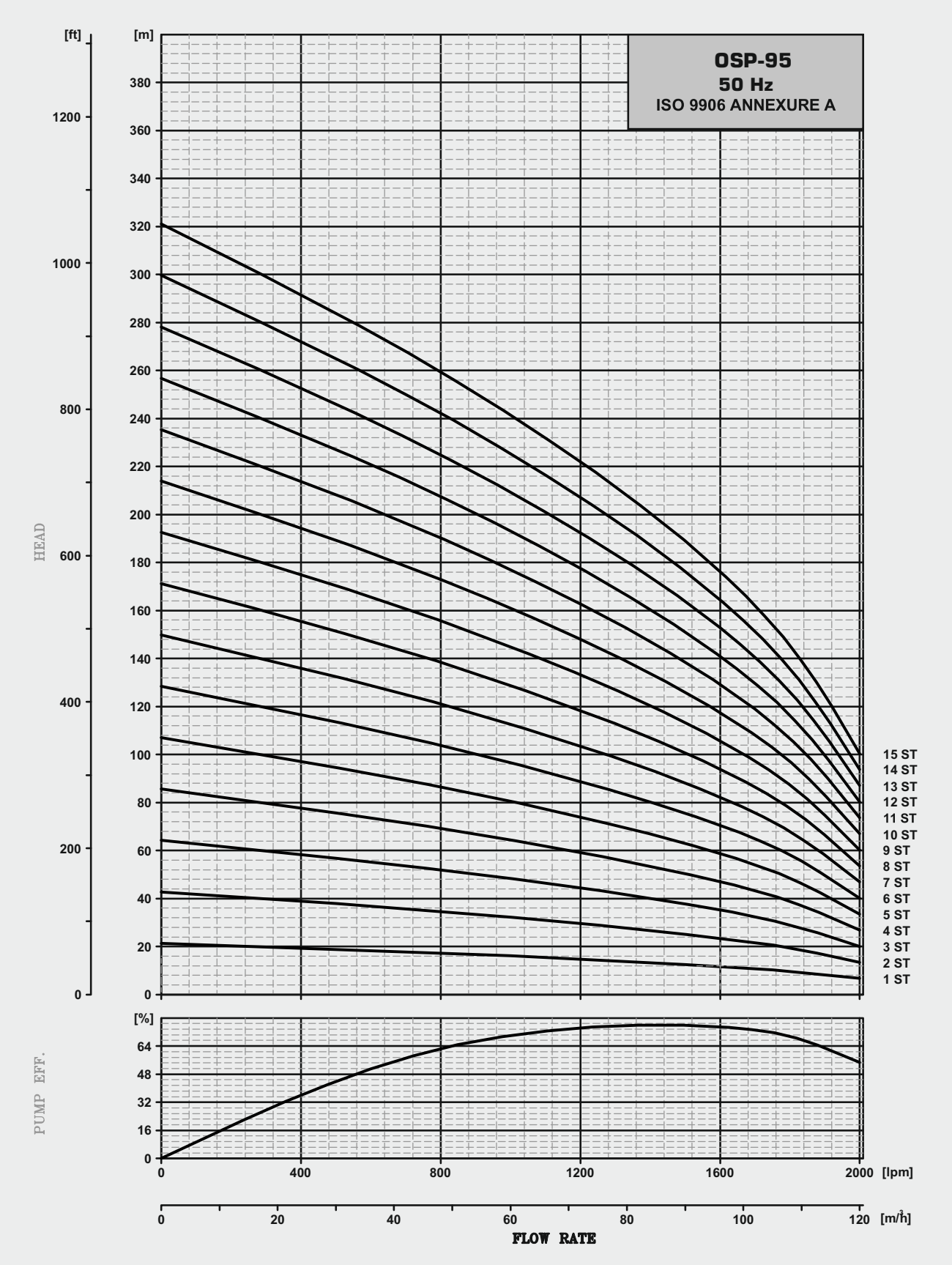
E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

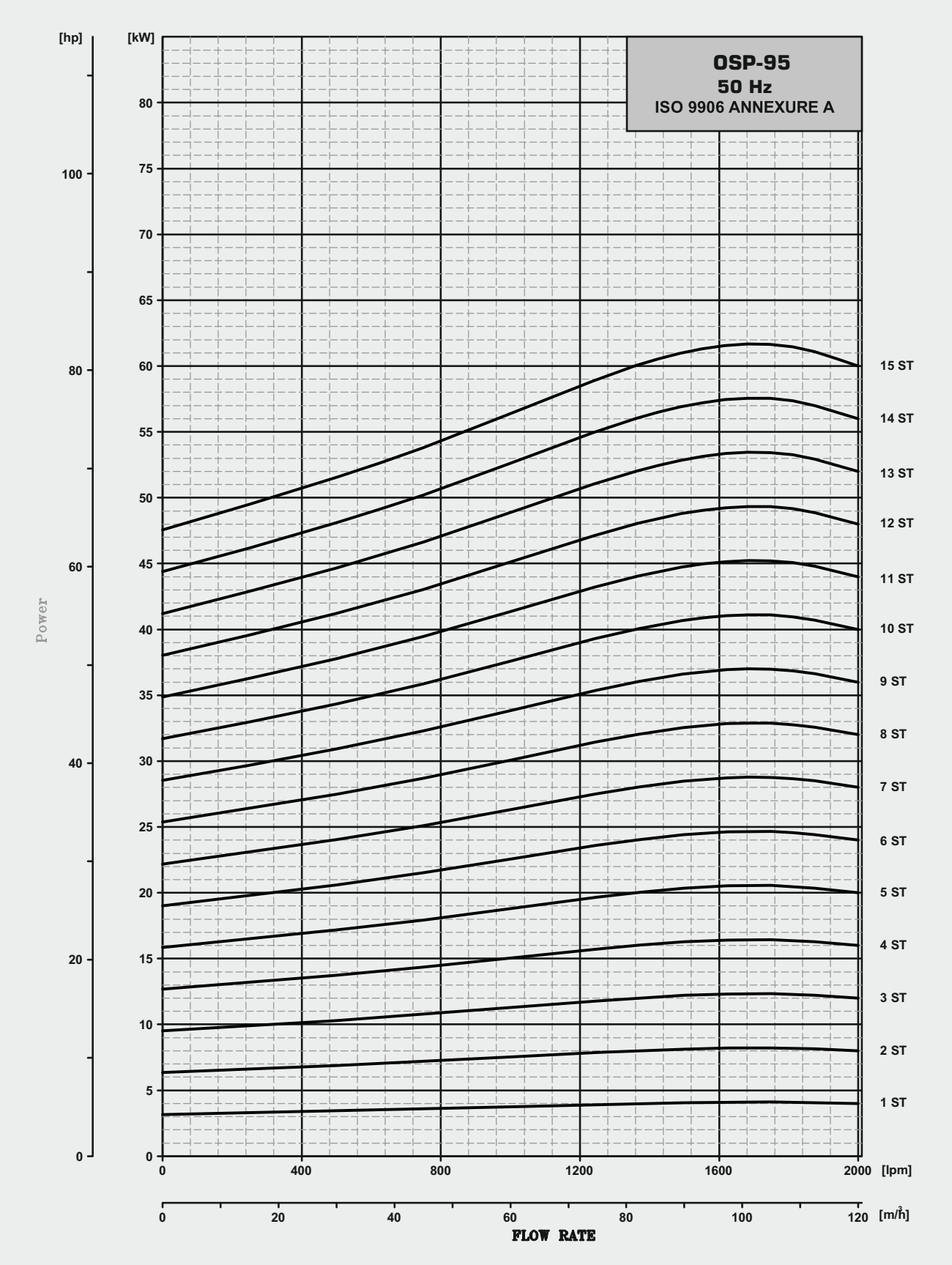
OSP-95 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



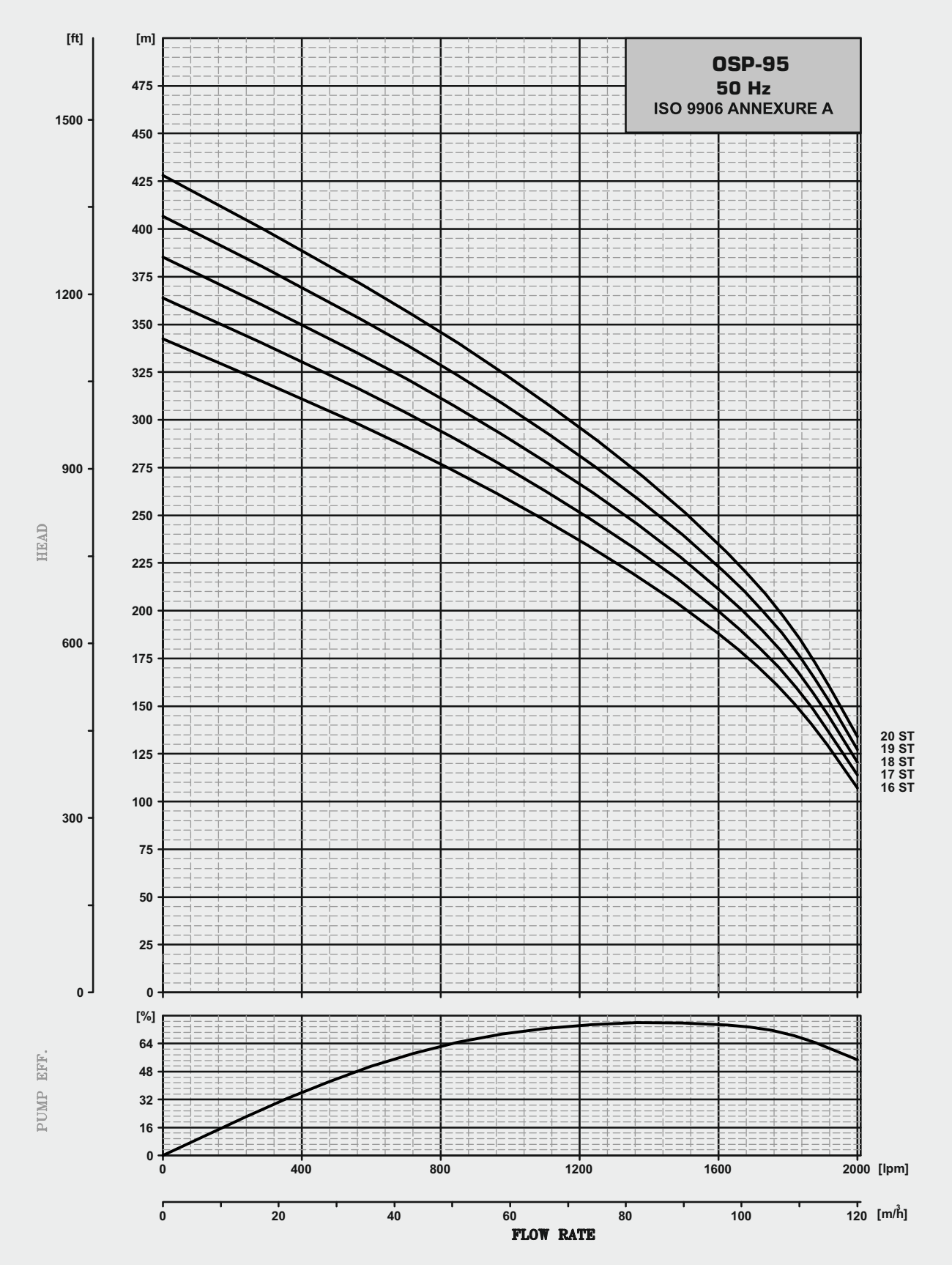
OSP-95 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



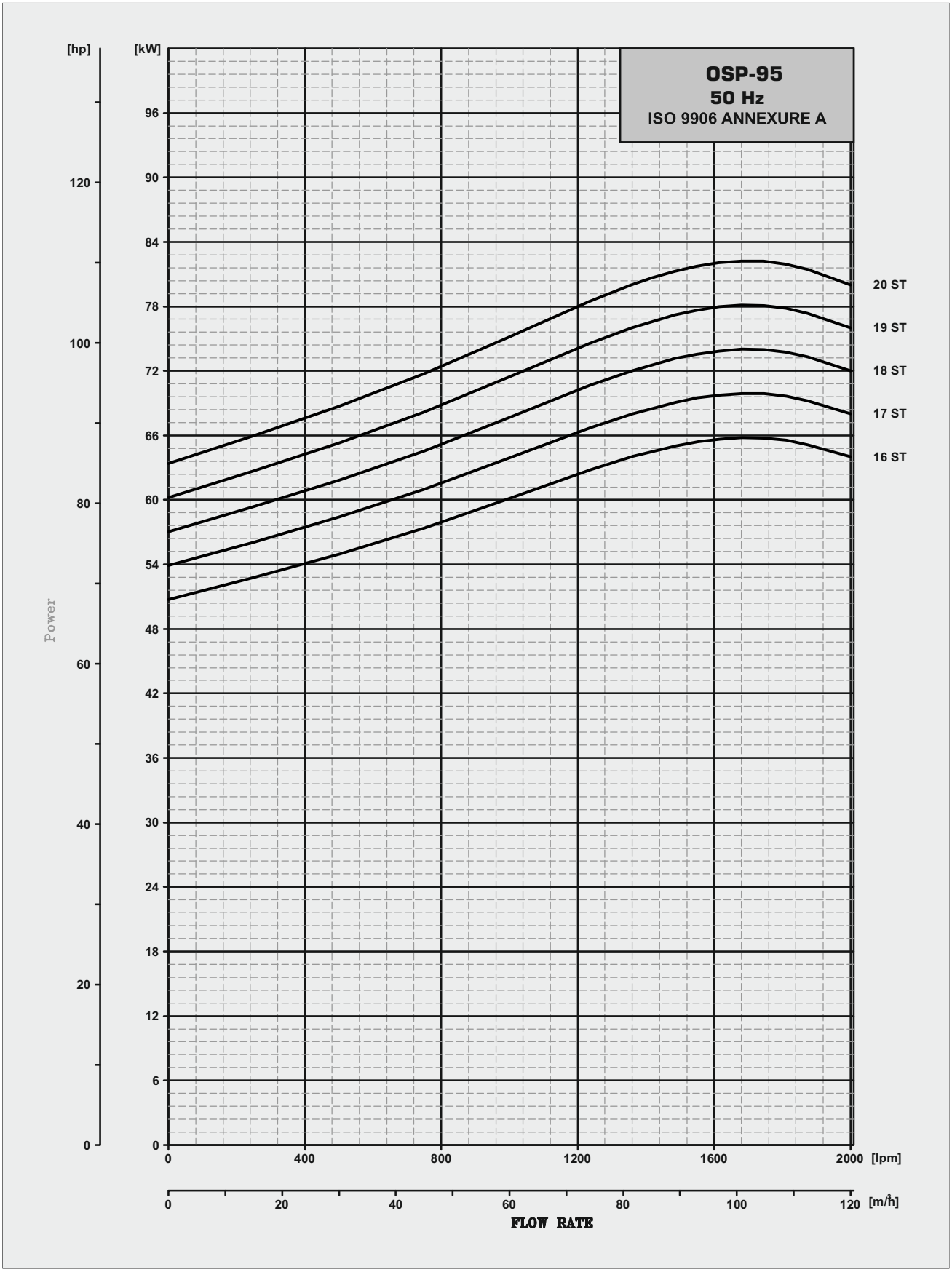
OSP-95 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



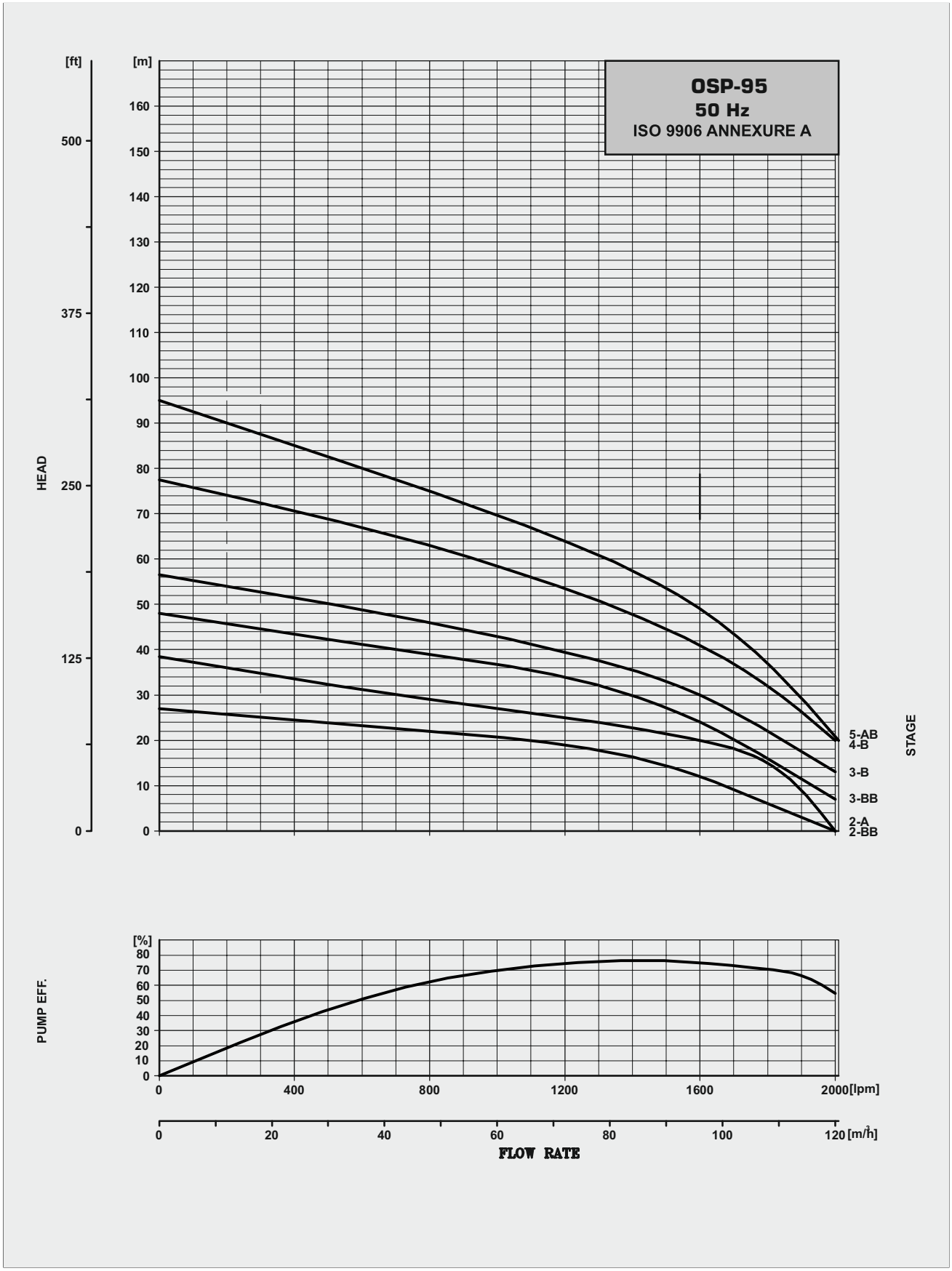
OSP-95 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



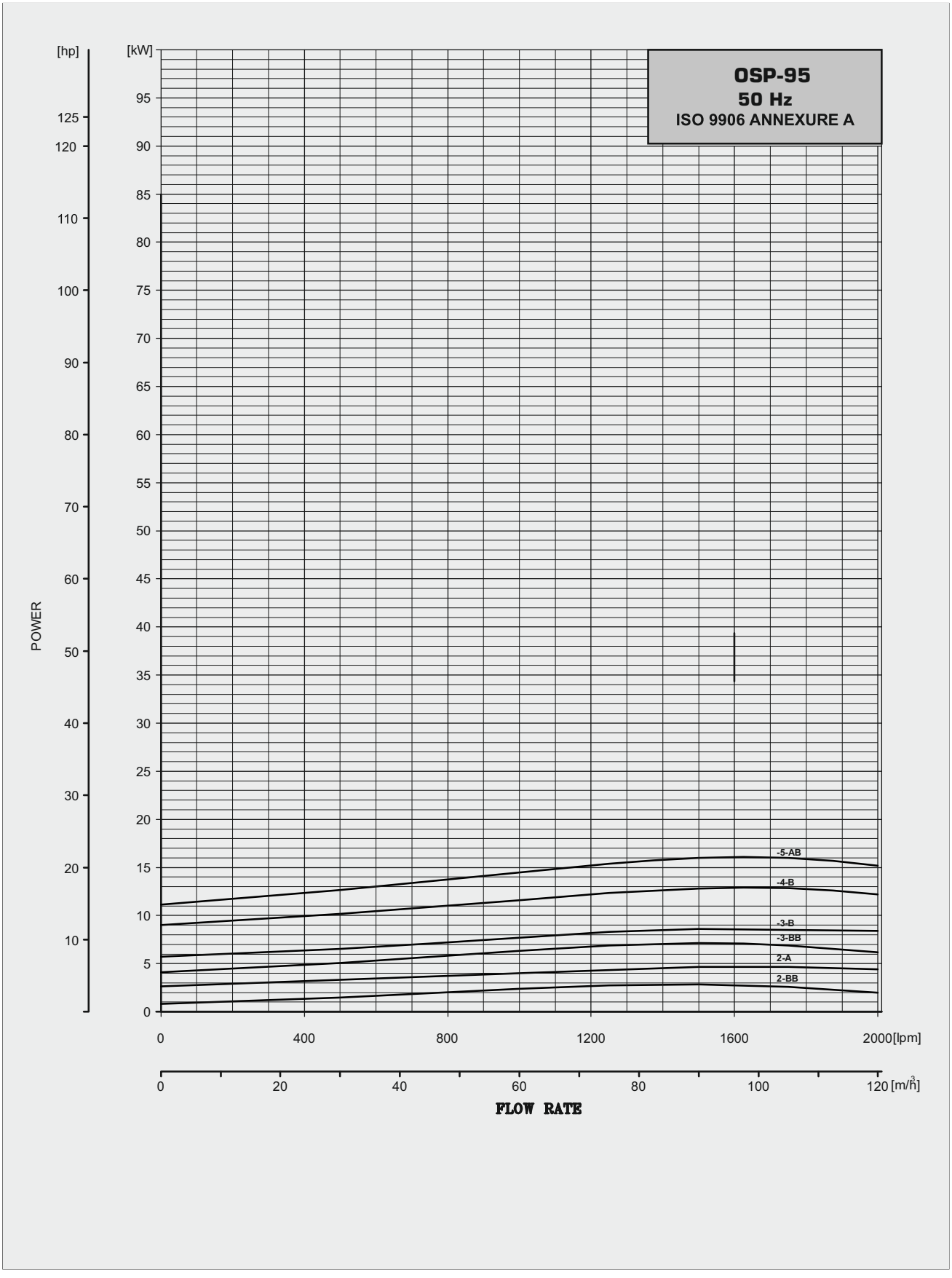
OSP-95 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-95 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



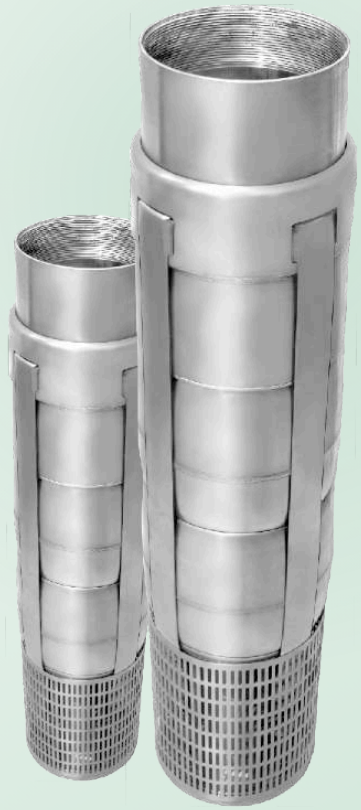
10″

MIXED-FLOW · 250 MM BOREWELL

10″ Submersible Pumps

Submersible motor and pump sets for 10″ (250 mm) borewells. All pump sizes to NEMA standard; completely made of AISI 304 stainless steel.

OSP-125 OSP-160



FLOW	HEAD	POWER	MODELS
48–180 m³/h	up to 485 m	7.5–185 kW	70
tabulated flow range	shut-off, highest stage	motor ratings	in 2 families

Construction

- Mixed-flow hydraulics: OSP-125, OSP-160
- All sizes according to NEMA standard
- Completely AISI 304 stainless steel
- Also available with NPT connection

Applications

- Water supply
- Irrigation
- Civil and industrial applications
- Fire-fighting

Operating conditions

- Max. ambient temperature 50 °C
- Max. sand content 50 g/m³
- Min. suction head 1.5 m
- Max. 30 starts/hour at regular intervals
- Rotation clockwise seen from pump coupling side

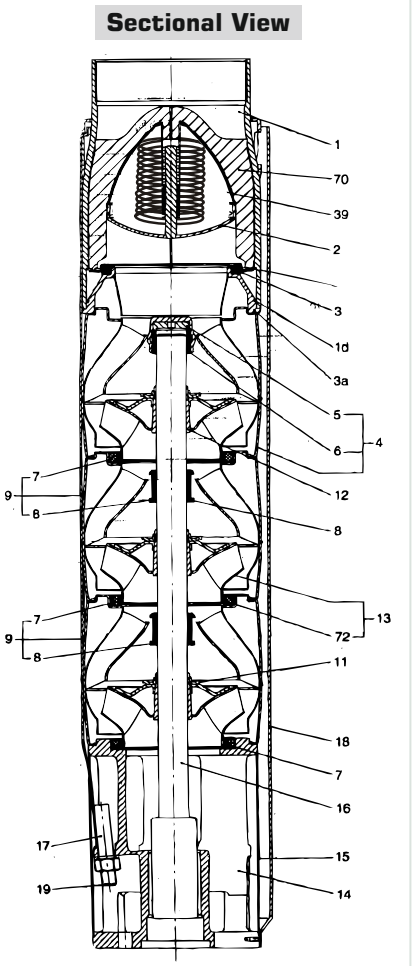
Flow, head and power figures above are derived from the performance tables in this section.

MATERIAL OF CONSTRUCTION

OSP-125 / OSP-160

OSP-125 / OSP-160

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



Sectional view

10″ · MIXED FLOW

OSP-125

Performance table

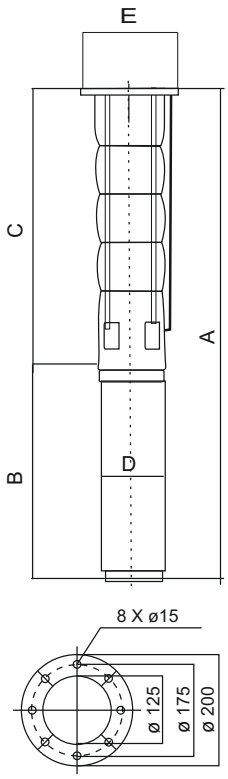
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
126 m³/h	48–156 m³/h	485 m	7.5–185 kW	6″ BSP	36

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	48	96	126	144	156
						0 L/min	800	1600	2100	2400	2600
OSP-125/1-A(P4)50(6X10)	7.5	10	1-A	V-6	6″ BSP	21	20	16	**13**	10	7
OSP-125/1(P4)50(6X10)	11	15	1	V-6	6″ BSP	28.5	27.7	23	**20**	17	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves. 1 to 5-A stages also available with 8″ motor joining (8X10).

OSP-125
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	656	222	226	28.42	144
OSP-125/2-AA(P4)50(6X10)	2-AA	V-6	13	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	812	222	226	34.93	144
OSP-125/3-AA(P4)50(6X10)	3-AA	V-6	22	968	222	226	41.45	144
OSP-125/3-A(P4)50(6X10)	3-A	V-6	26	968	222	226	41.45	144
OSP-125/3(P4)50(6X10)	3	V-6	30	968	222	226	41.45	144
OSP-125/4-AA(P4)50(6X10)	4-AA	V-6	37	1124	222	226	47.96	144
OSP-125/4-A(P4)50(6X10)	4-A	V-6	37	1124	222	226	47.96	144
OSP-125/4(P4)50(6X10)	4	V-6	37	1124	222	226	54.48	144
OSP-125/5-AA(P4)50(6X10)	5-AA	V-6	45	1280	222	226	54.48	144
OSP-125/5-A(P4)50(6X10)	5-A	V-6	45	1280	222	226	54.48	144
OSP-125/5(P4)50(8X10)	5	V-8	55	1300	222	226	57.34	189
OSP-125/6-AA(P4)50(8X10)	6-AA	V-8	55	1456	222	226	63.85	189
OSP-125/6-A(P4)50(8X10)	6-A	V-8	55	1456	222	226	63.85	189
OSP-125/6(P4)50(8X10)	6	V-8	67	1456	229	232	63.85	189
OSP-125/7-AA(P4)50(8X10)	7-AA	V-8	67	1612	–	–	70.37	189
OSP-125/7-A(P4)50(8X10)	7-A	V-8	67	1612	–	–	70.37	189
OSP-125/7(P4)50(8X10)	7	V-8	75	1612	–	–	70.37	189
OSP-125/8-AA(P4)50(8X10)	8-AA	V-8	75	1768	–	–	76.89	189
OSP-125/8-A(P4)50(8X10)	8-A	V-8	75	1768	–	–	76.88	189
OSP-125/8(P4)50(8X10)	8	V-8	75	1768	–	–	76.88	189
OSP-125/9-AA(P4)50(8X10)	9-AA	V-8	93	1924	–	–	83.4	189
OSP-125/9-A(P4)50(8X10)	9-A	V-8	93	1924	–	–	83.4	189
OSP-125/9(P4)50(8X10)	9	V-8	93	1924	–	–	83.40	189
OSP-125/10-AA(P4)50(8X10)	10-AA	V-8	93	2080	–	–	89.92	189
OSP-125/10-A(P4)50(8X10)	10-A	V-8	93	2080	–	–	89.92	189
OSP-125/10(P4)50(8X10)	10	V-8	93	2080	–	–	89.92	189
OSP-125/11(P4)50(10X10)	11	V-10	110	2236	–	–	96.429	236
OSP-125/12(P4)50(10X10)	12	V-10	130	2392	–	–	102.944	236
OSP-125/13(P4)50(10X10)	13	V-10	130	2548	–	–	109.459	236
OSP-125/14(P4)50(10X10)	14	V-10	150	2704	–	–	115.974	236
OSP-125/15(P4)50(10X10)	15	V-10	150	2860	–	–	122.489	236
OSP-125/16(P4)50(10X10)	16	V-10	185	3016	–	–	129.004	236
OSP-125/17(P4)50(10X10)	17	V-10	185	3172	–	–	135.519	236

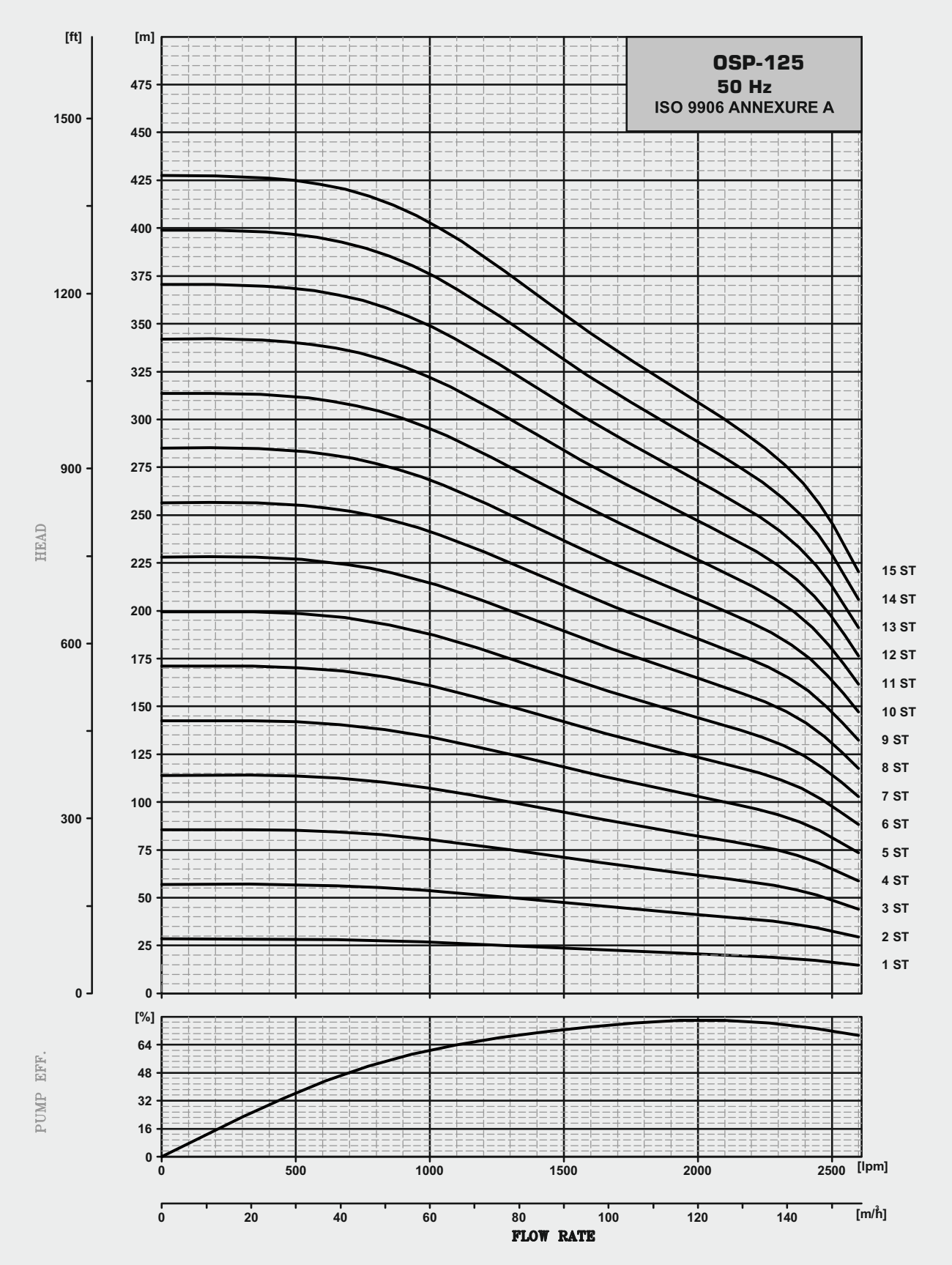


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

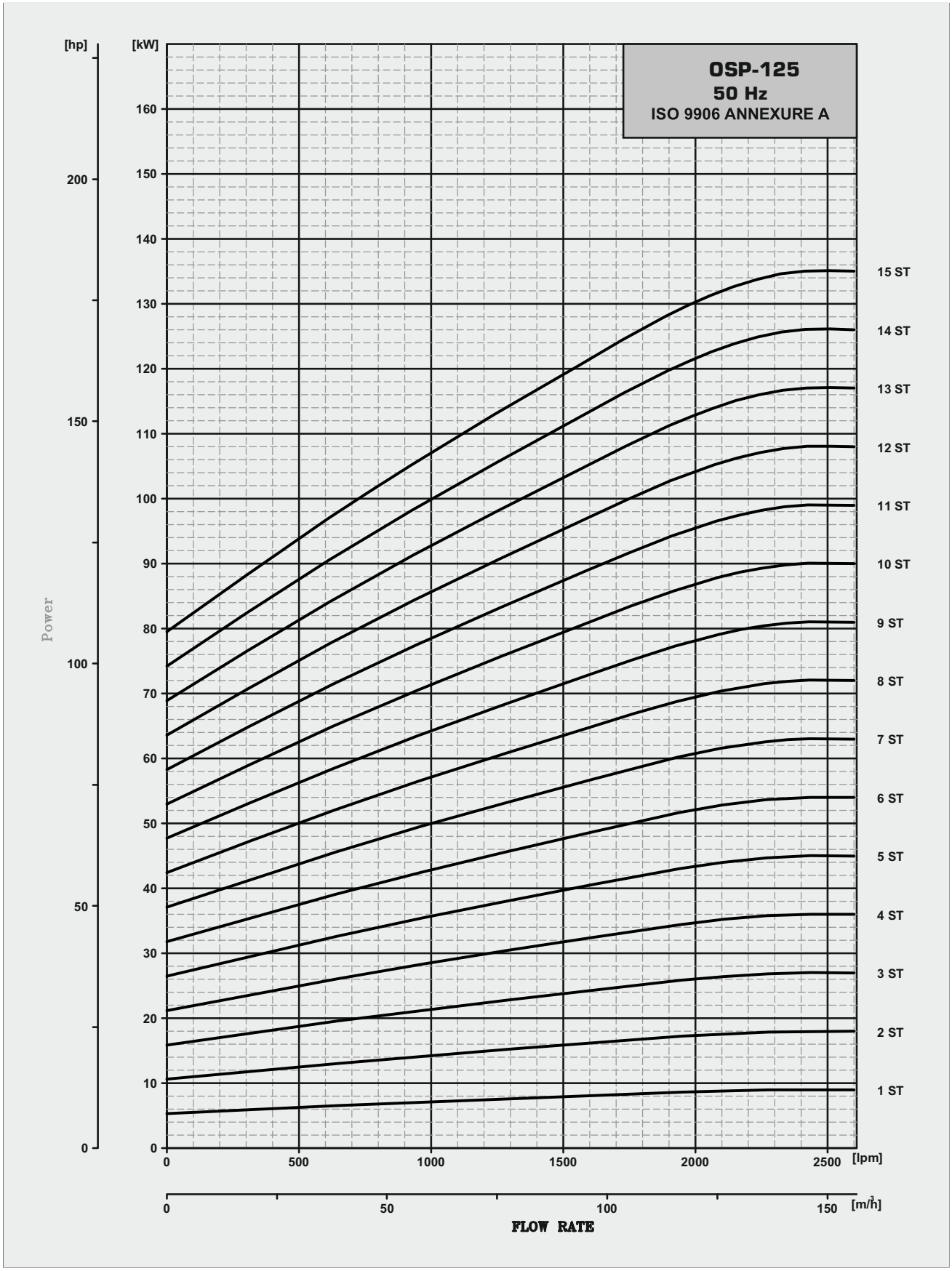
OSP-125 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



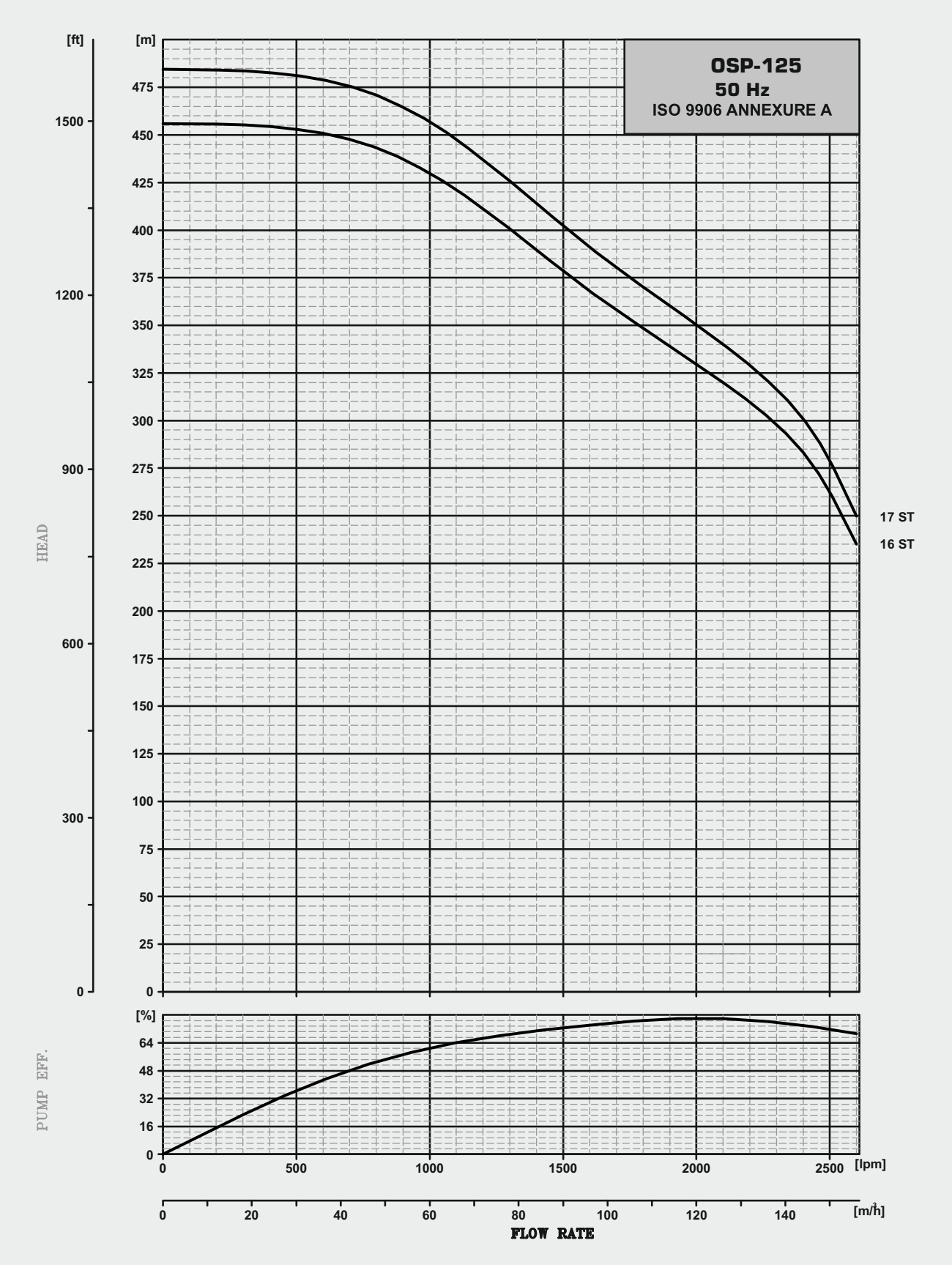
OSP-125 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



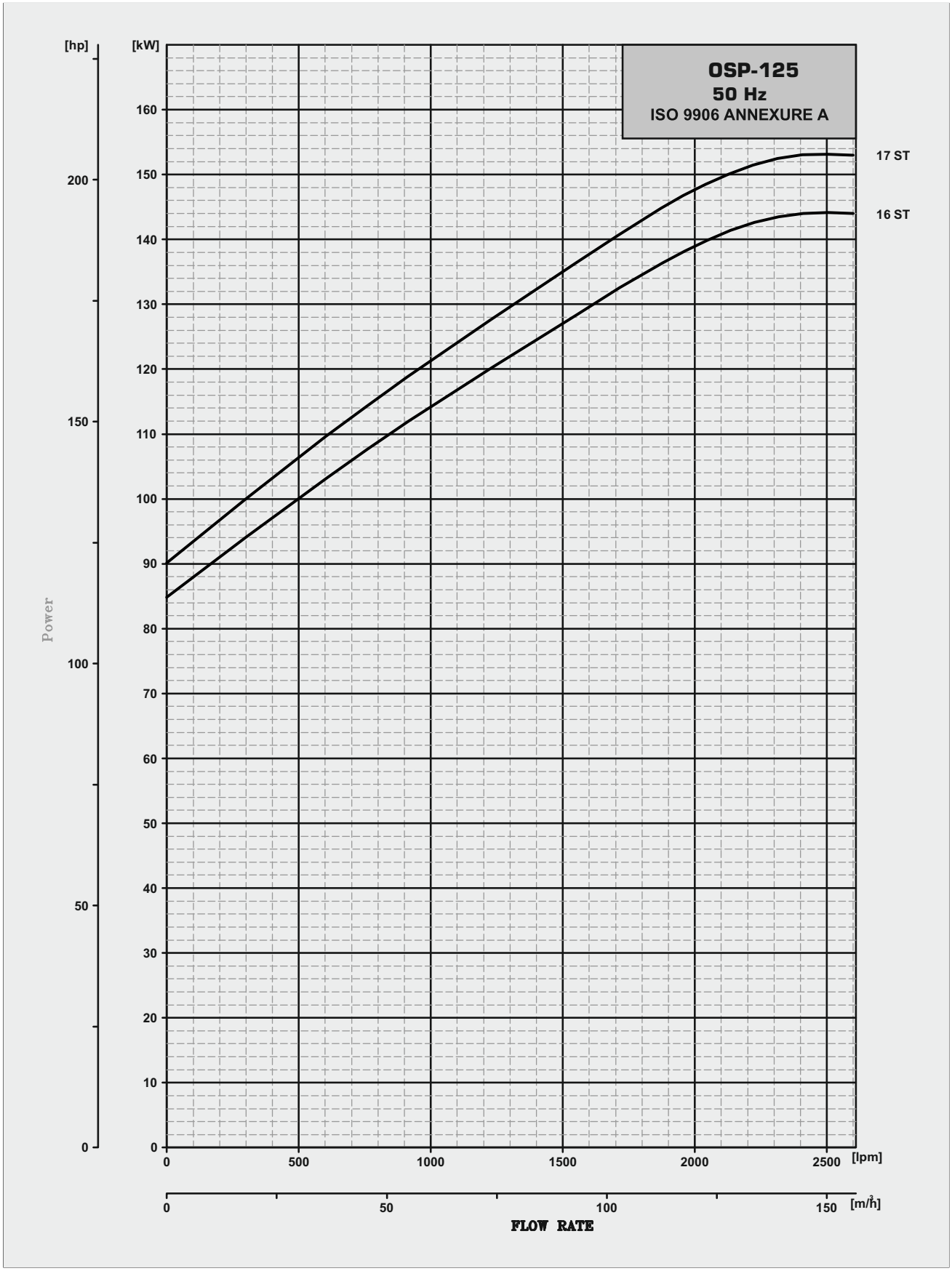
OSP-125 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



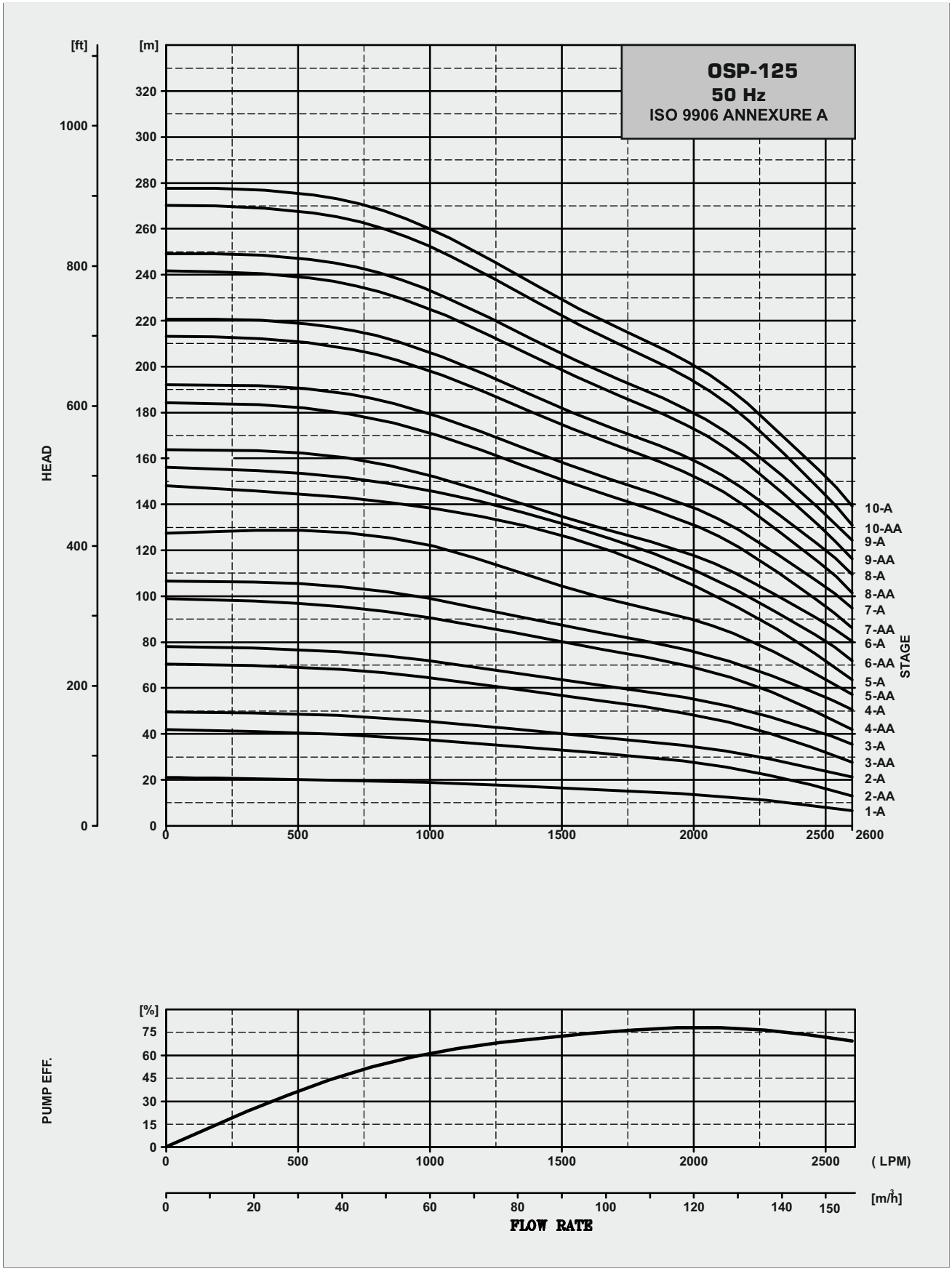
OSP-125 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



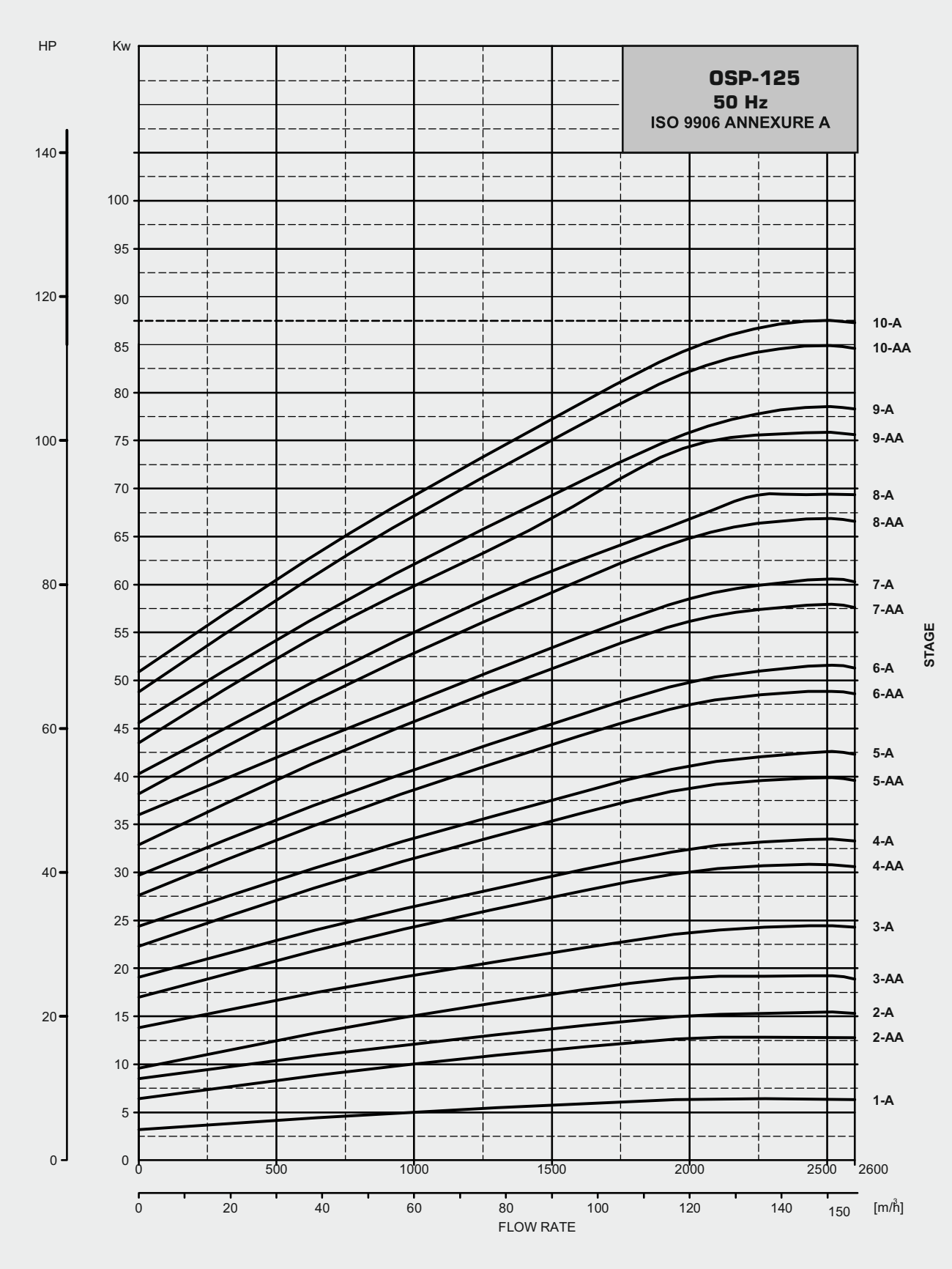
OSP-125 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-125 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



10″ · MIXED FLOW

OSP-160

Performance table

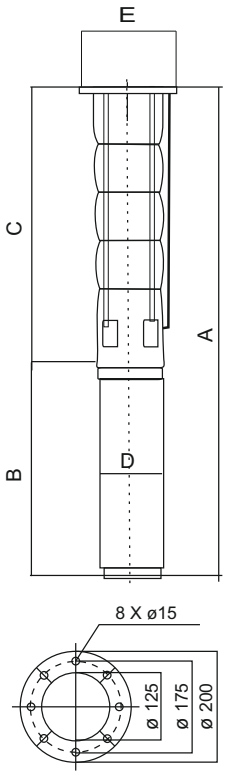
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
162 m³/h	60–180 m³/h	480 m	9.3–185 kW	6″ BSP	34

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	60	90	120	162	180
						0 L/min	1000	1500	2000	2700	3000
OSP-160/1-A(P4)50(6X10)	9.3	12.5	1-A	V-6	6″ BSP	24	20.5	18	16	**12**	9.5
OSP-160/1(P4)50(6X10)	13	17.5	1	V-6	6″ BSP	32	29.5	26.2	23.3	**20**	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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves. 1 to 4-A stages also available with 8″ motor joining (8X10).

OSP-160
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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	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	812	229	232	34.93	144
OSP-160/2(P4)50(6X10)	2	V-6	26	812	229	232	34.93	144
OSP-160/3-AA(P4)50(6X10)	3-AA	V-6	30	968	229	232	41.45	144
OSP-160/3-A(P4)50(6X10)	3-A	V-6	37	968	229	232	41.45	144
OSP-160/3(P4)50(6X10)	3	V-6	37	968	229	232	41.45	144
OSP-160/4-AA(P4)50(6X10)	4-AA	V-6	45	1124	229	232	47.96	144
OSP-160/4-A(P4)50(6X10)	4-A	V-6	45	1124	229	232	47.96	144
OSP-160/4(P4)50(8X10)	4	V-8	55	1144	229	232	50.82	189
OSP-160/5-AA(P4)50(8X10)	5-AA	V-8	55	1300	229	232	57.34	189
OSP-160/5-A(P4)50(8X10)	5-A	V-8	55	1300	229	232	57.34	189
OSP-160/5(P4)50(8X10)	5	V-8	67	1300	229	232	57.34	189
OSP-160/6-AA(P4)50(8X10)	6-AA	V-8	67	1456	229	232	63.85	189
OSP-160/6-A(P4)50(8X10)	6-A	V-8	75	1456	229	232	63.85	189
OSP-160/6(P4)50(8X10)	6	V-8	75	1456	229	232	63.85	189
OSP-160/7-AA(P4)50(8X10)	7-AA	V-8	75	1612	–	–	70.37	189
OSP-160/7-A(P4)50(8X10)	7-A	V-8	93	1612	–	–	70.37	189
OSP-160/7(P4)50(8X10)	7	V-8	93	1612	–	–	70.37	189
OSP-160/8-AA(P4)50(8X10)	8-AA	V-8	93	1768	–	–	76.88	189
OSP-160/8-A(P4)50(8X10)	8-A	V-8	93	1768	–	–	76.88	189
OSP-160/8(P4)50(8X10)	8	V-8	93	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

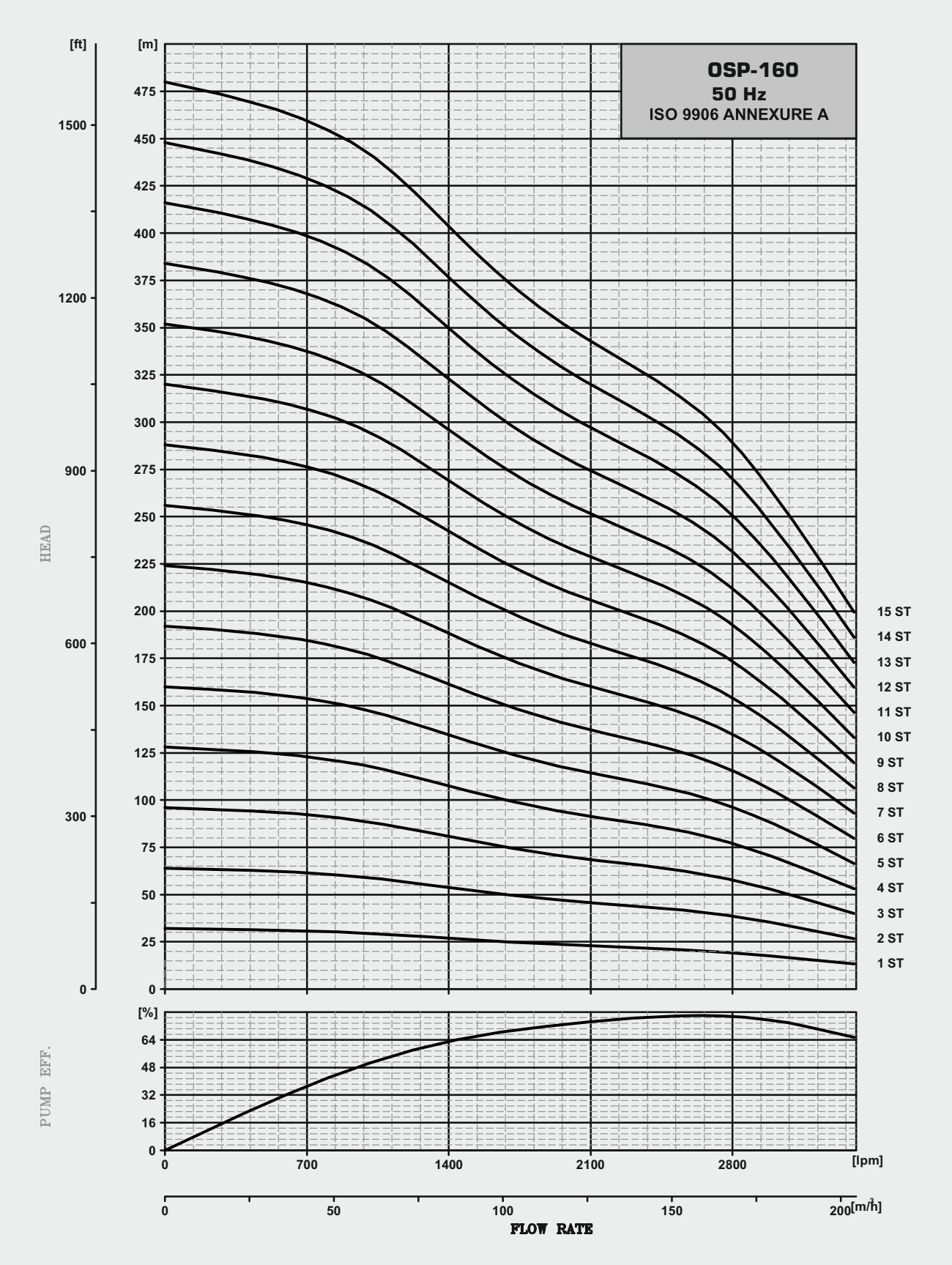


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

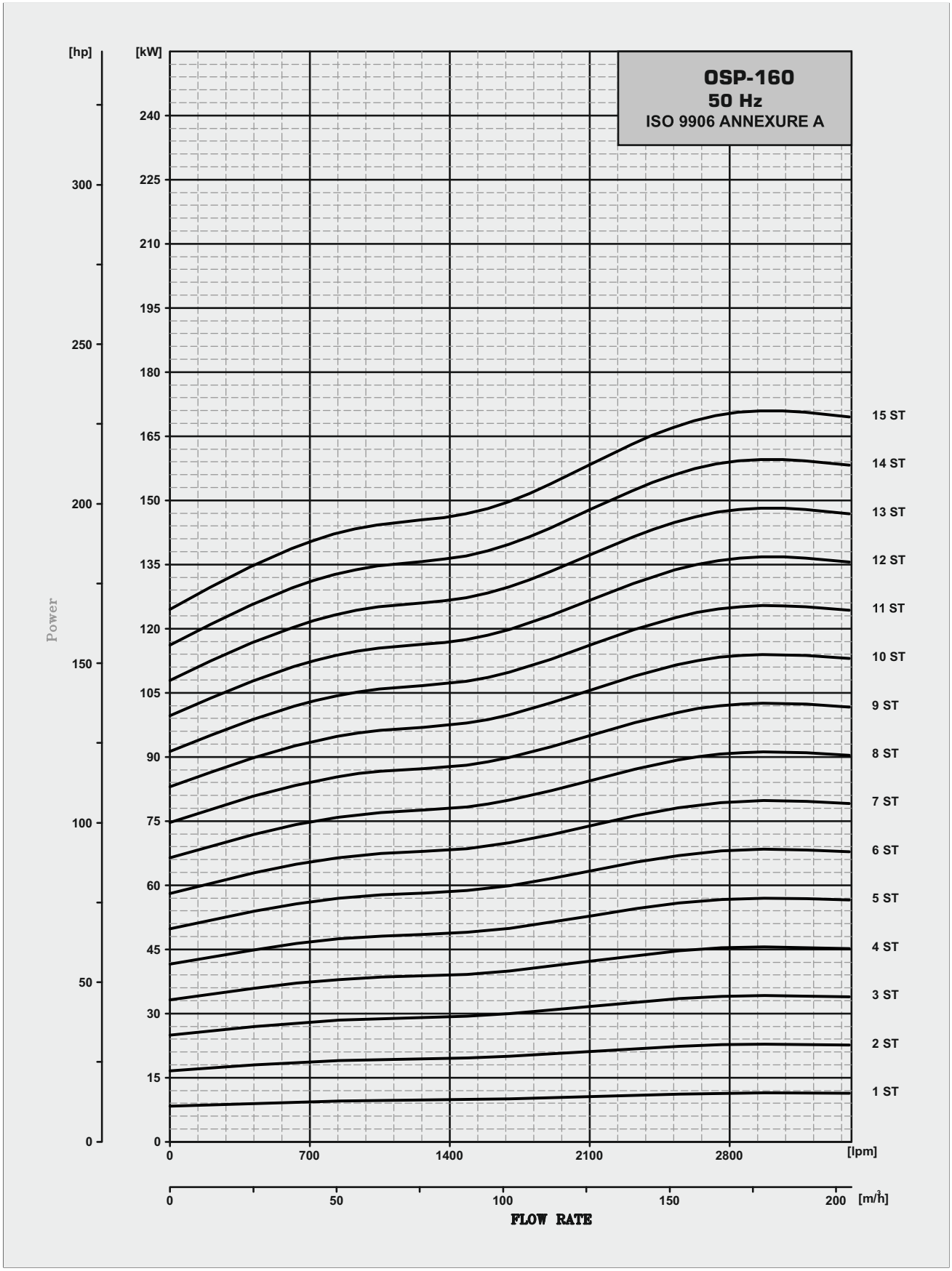
OSP-160 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



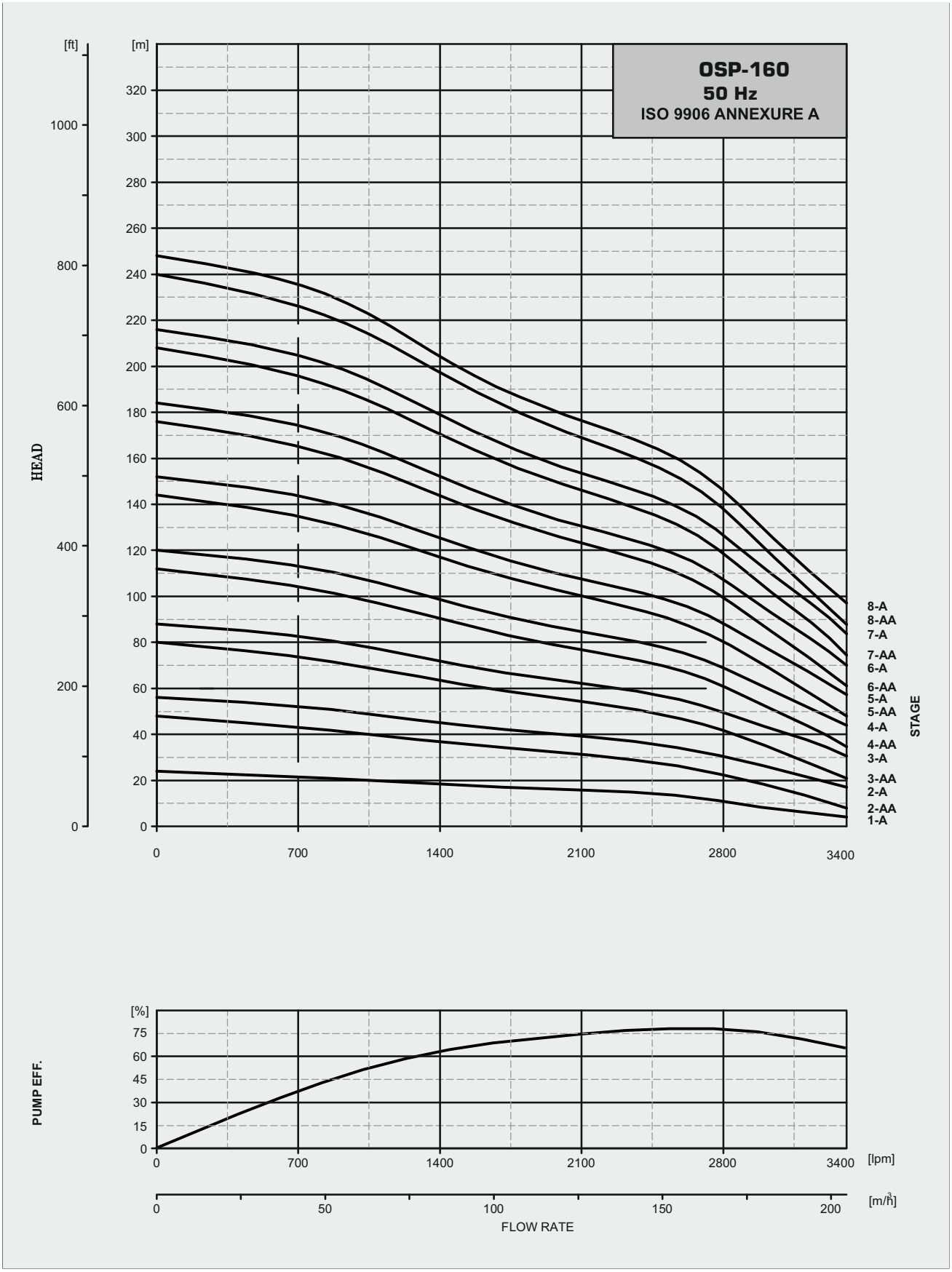
OSP-160 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



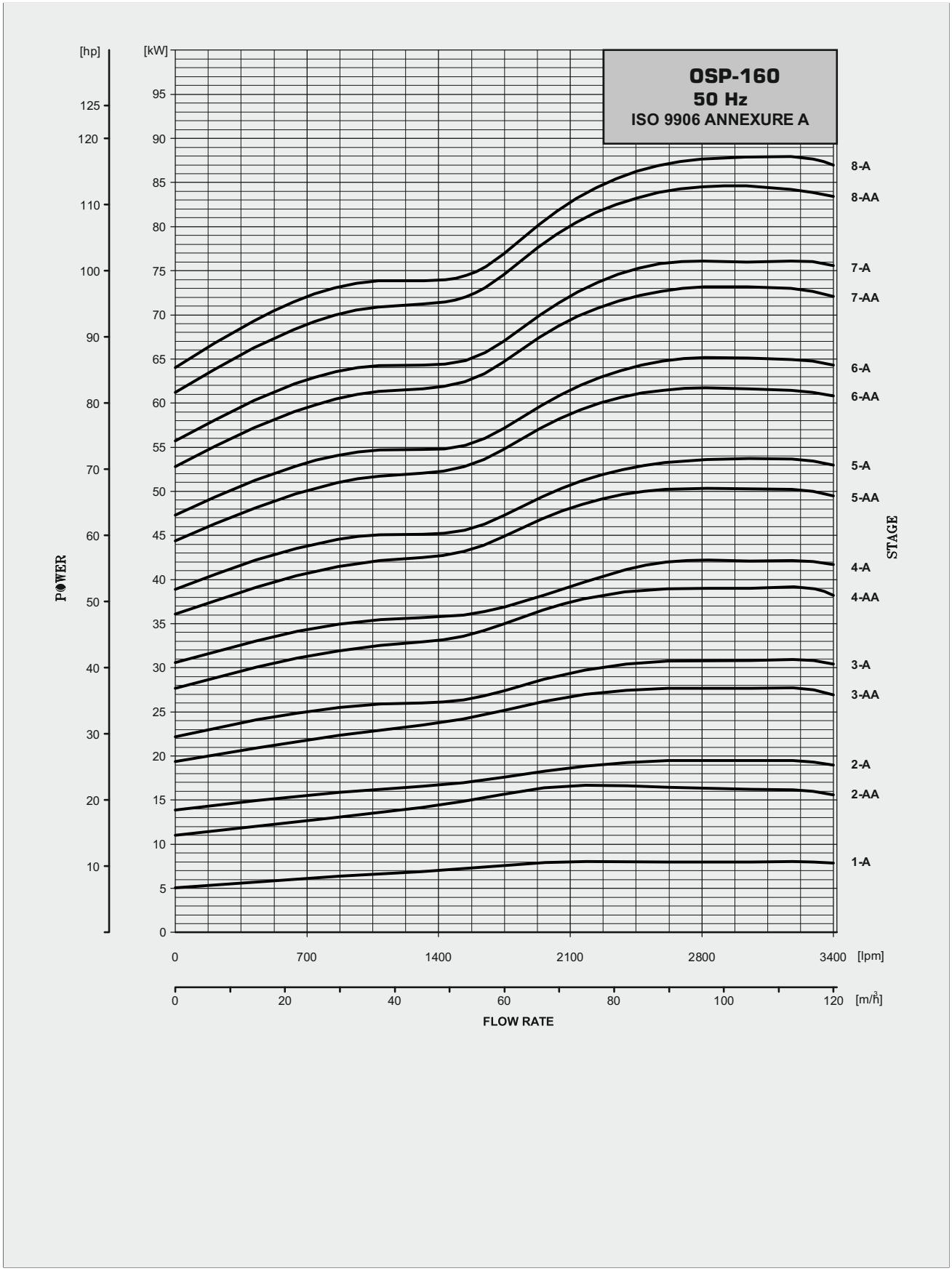
OSP-160 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-160 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 4



12″

MIXED-FLOW · 305 MM BOREWELL

12″ Submersible Pumps

Submersible motor and pump sets for 12″ (305 mm) borewells. All pump sizes to NEMA standard; completely made of AISI 304 stainless steel.

OSP-215



FLOW	HEAD	POWER	MODELS
90–276 m³/h	up to 390 m	15–185 kW	29
tabulated flow range	shut-off, highest stage	motor ratings	in 1 family

Construction

- Mixed-flow hydraulics: OSP-215
- All sizes according to NEMA standard
- Completely AISI 304 stainless steel
- Also available with NPT connection

Applications

- Water supply
- Irrigation
- Civil and industrial applications
- Fire-fighting

Operating conditions

- Max. ambient temperature 50 °C
- Max. sand content 50 g/m³
- Min. suction head 1.5 m
- Max. 30 starts/hour at regular intervals
- Rotation clockwise seen from pump coupling side

Flow, head and power figures above are derived from the performance tables in this section.

12″ · MIXED FLOW

OSP-215

Performance table

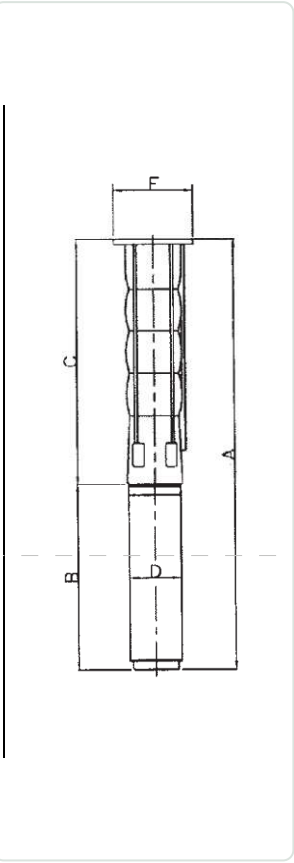
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
180 m³/h / 216 m³/h	90–276 m³/h	390 m	15–185 kW	6″	29

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q						
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	90	144	180	216	240	276
						0 L/min	1500	2400	3000	3600	4000	4600
OSP-215/1-A(P4)50(6X12)	15	20	1-A	V-6	6″	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	**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

Heads in metres at the flow rates shown (m³/h and L/min). Highlighted column = duty point. Performance to ISO 9906 Annex A; see curve pages for full Q/H and power curves.

OSP-215
— Dimensions & weights

PUMP & MOTOR				DIMENSIONS & WEIGHT				
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	E** (mm)	Weight (kg)	Motor OD D (mm)
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

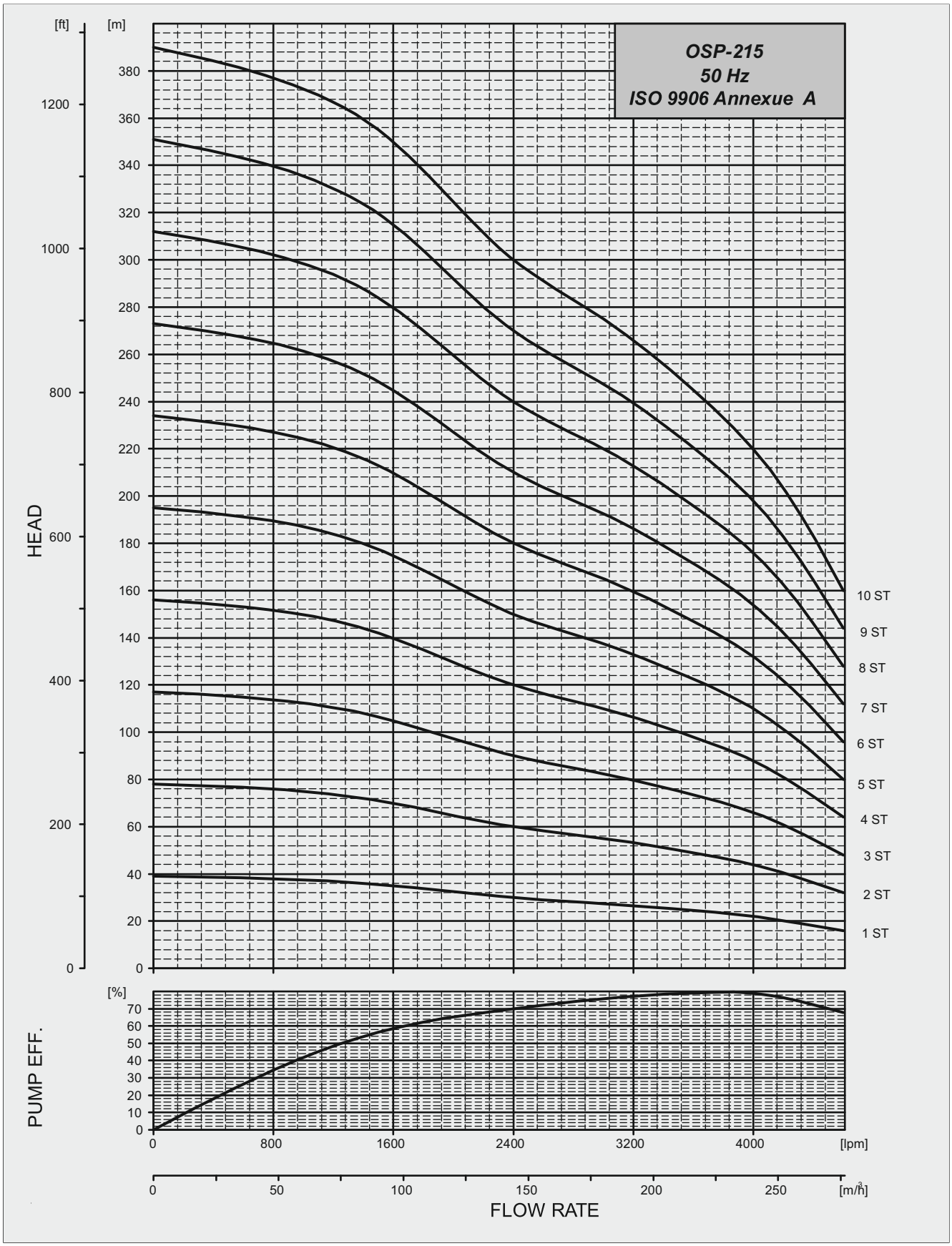


Dimensions A–E, Rp

E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.

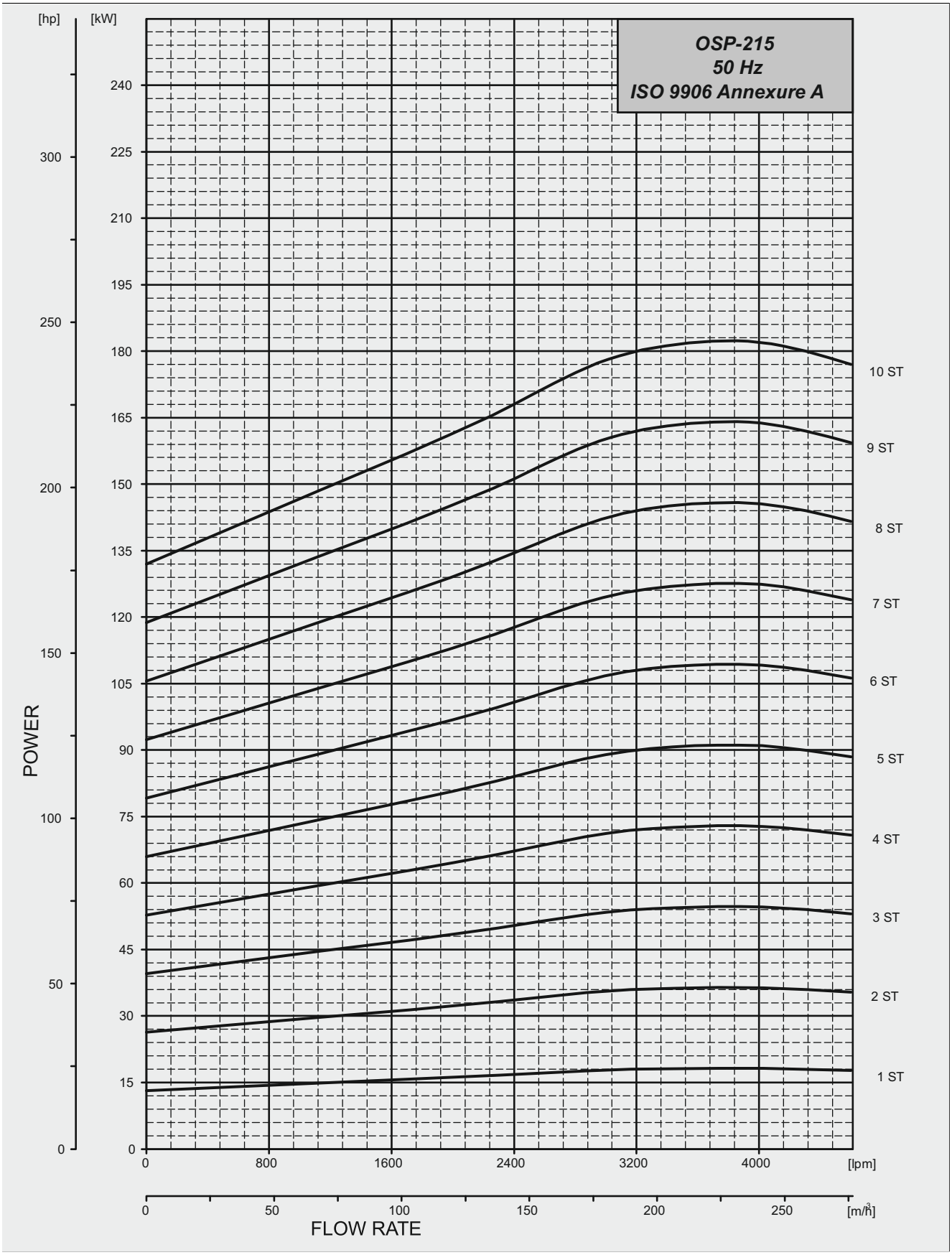
OSP-215 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



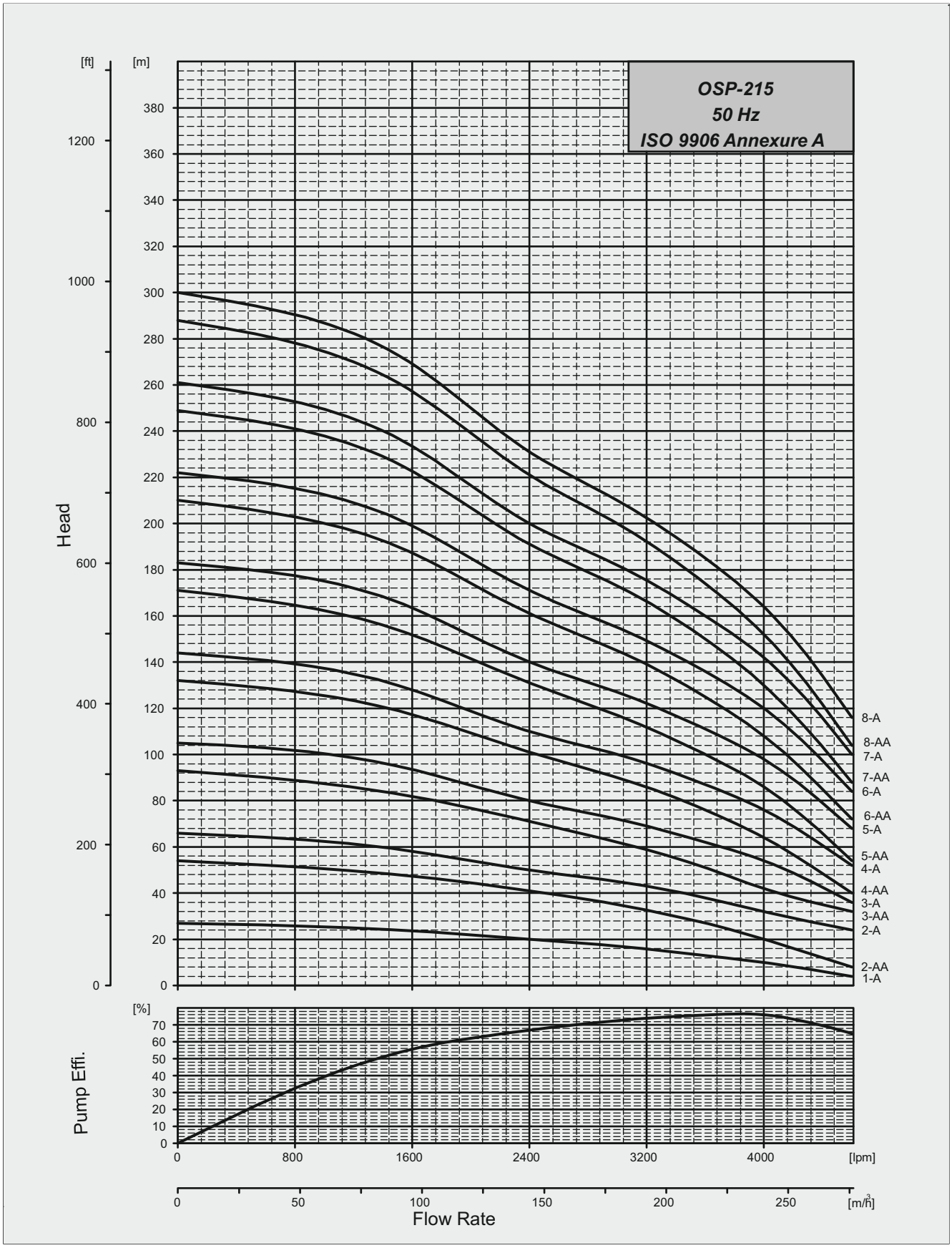
OSP-215 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



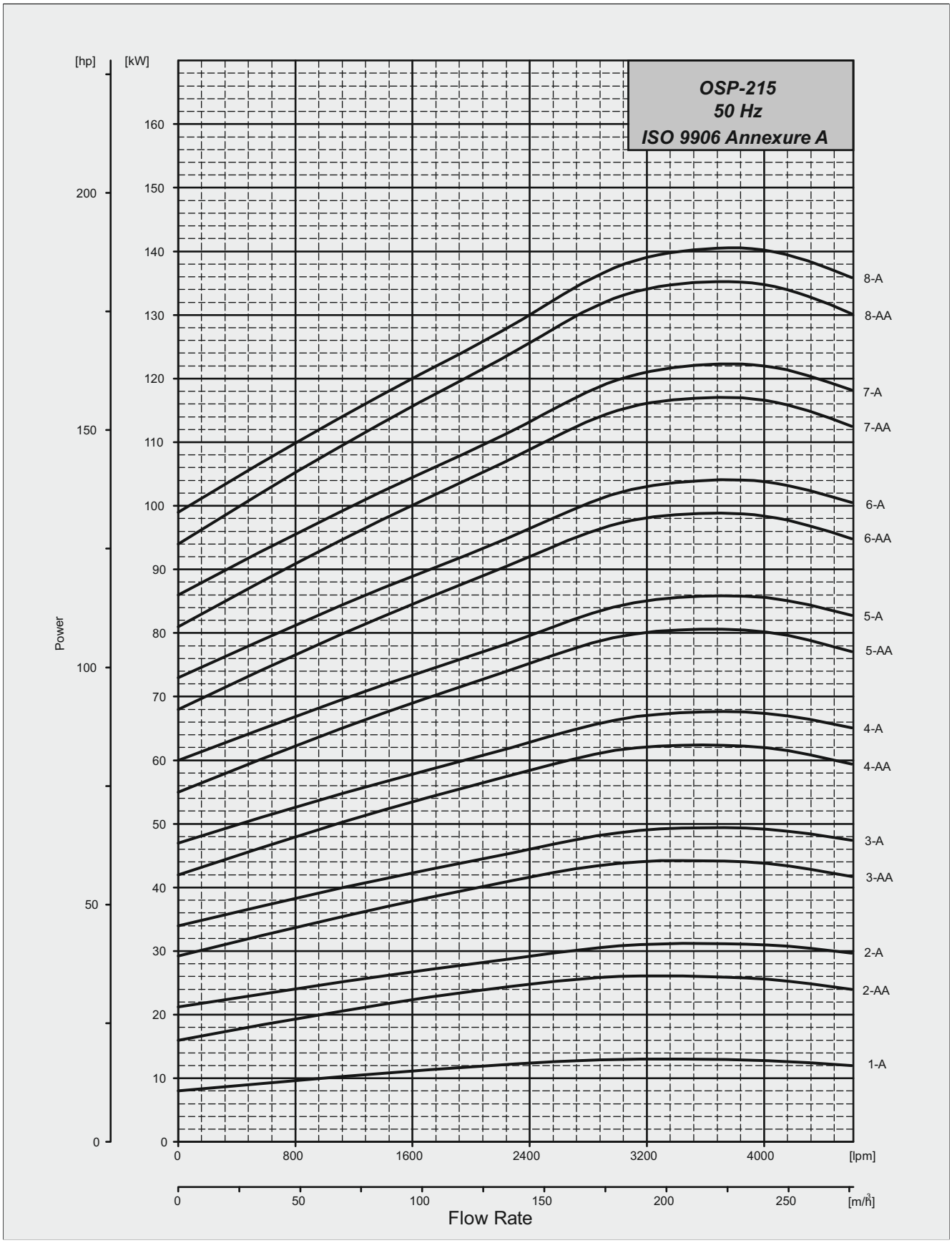
OSP-215 Performance curve (Q/H)

50 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-215 Power curve

50 HZ · ISO 9906 ANNEX A
Sheet 4 of 4



MOTOR DATA · 50 HZ

6″ rewindable motors — performance data

P_N (kW)	Thrust F (N)	U_N (V)	n_N (min^{-1})	I_N (A)	I_A (A)	Efficiency η (%) at % load			Power factor cos φ at % load			T_N (Nm)	T_A (Nm)
						50	75	100	50	75	100		
4	15,500	380	2910	10.4	48	71	75	76	0.59	0.71	0.78	13.1	15.5
		400	2930	10.6	51	68	73	76	0.53	0.65	0.73	13.1	17.3
		415	2930	10.9	53	65	72	76	0.50	0.61	0.69	13.0	18.8
5.5	15,500	380	2860	13.7	48	74	76	75	0.67	0.78	0.83	18.3	15.5
		400	2890	13.3	51	72	76	76	0.62	0.74	0.81	18.2	17.3
		415	2890	13.4	53	71	75	75	0.59	0.71	0.78	18.1	18.8
7.5	15,500	380	2860	18.3	69	77	78	76	0.70	0.80	0.84	25.0	19.2
		400	2880	17.7	63	75	78	77	0.65	0.76	0.82	24.8	21.5
		415	2890	17.7	65	73	77	77	0.61	0.73	0.80	24.7	23.4
9.3	15,500	380	2850	22.0	74	79	80	78	0.71	0.80	0.84	31.1	25.9
		400	2870	21.4	78	78	79	78	0.64	0.76	0.82	31.0	29.0
		415	2880	21.2	81	76	79	78	0.60	0.72	0.80	30.9	31.4
11	15,500	380	2860	25.8	93	78	80	78	0.71	0.80	0.85	36.7	31.5
		400	2880	25.2	98	77	80	79	0.65	0.76	0.83	36.4	35.3
		415	2890	25.1	102	75	78	79	0.61	0.73	0.80	36.3	38.2
13	15,500	380	2880	30.1	118	80	81	80	0.68	0.79	0.84	43.1	45.0
		400	2900	29.0	125	78	80	80	0.61	0.74	0.81	42.8	50.3
		415	2900	29.7	130	76	79	80	0.57	0.70	0.78	42.7	54.6
15	15,500	380	2880	33.9	140	81	82	81	0.71	0.81	0.85	49.7	53.9
		400	2890	33.1	145	79	81	81	0.65	0.77	0.83	49.4	60.4
		415	2900	33.0	154	77	80	81	0.60	0.73	0.81	49.3	65.5
18.5	15,500	380	2860	42.3	172	81	82	81	0.68	0.78	0.84	61.7	75.2
		400	2880	42.0	182	78	81	81	0.61	0.74	0.80	61.2	84.3
		415	2890	42.5	189	76	79	80	0.57	0.70	0.77	61.1	91.3
22	15,500	380	2880	49.1	218	82	84	83	0.68	0.78	0.84	72.6	91.2
		400	2900	49.0	231	80	82	82	0.61	0.73	0.80	72.5	102.2
		415	2910	49.6	240	77	81	82	0.56	0.69	0.77	72.2	110.7
26	15,500	380	2880	57.5	268	83	84	83	0.68	0.79	0.86	86.0	120.4
		400	2900	56.7	281	81	83	83	0.61	0.74	0.83	85.6	134.7
		415	2910	57.3	296	78	82	82	0.56	0.69	0.80	85.3	146.1
30	27,500	380	2900	66.4	328	82	84	83	0.67	0.78	0.84	98.8	135.0
		400	2910	66.4	347	80	83	83	0.60	0.73	0.80	98.4	151.0
		415	2910	67.5	361	77	81	82	0.55	0.68	0.74	98.2	163.0
37	27,500	380	2890	82.0	409	83	84	83	0.67	0.78	0.85	122.1	192.8
		400	2900	81.9	433	80	83	83	0.60	0.72	0.80	121.6	215.8
		415	2910	83.9	450	77	81	82	0.55	0.68	0.76	121.3	234.0
45	27,500	380	2895	90.9	490	85.7	86.5	85.2	0.8	0.85	0.88	149.0	218.0
		400	2910	90.0	520	85.3	86.5	86	0.75	0.82	0.86	148.0	240.0
		415	2910	88.0	542	84.4	86.1	85.8	0.69	0.80	0.85	147.0	262.0

P_N rated output · F permissible axial thrust · U_N rated voltage · n_N rated speed · I_N rated current · I_A starting current · T_N rated torque · T_A starting torque.
Efficiency values for 4–37 kW converted from decimal fractions to % for consistency.

MOTOR DATA · 50 HZ

8″ rewindable motors — performance data

P_N (kW)	Thrust F (N)	U_N (V)	n_N (min^{-1})	I_N (A)	I_A (A)	Efficiency η (%) at % load			Power factor cos φ at % load			T_N (Nm)	T_A (Nm)
						50	75	100	50	75	100		
30	45,000	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	45,000	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	45,000	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	45,000	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	45,000	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	45,000	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	45,000	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	45,000	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	45,000	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	45,000	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

P_N rated output · F permissible axial thrust · U_N rated voltage · n_N rated speed · I_N rated current · I_A starting current · T_N rated torque · T_A starting torque.

True Partner!

Oswal Pumps Limited

Pumps & Motors · Solar | Domestic | Agriculture | Industrial

ADDRESS

Oswal Estate, NH-1, Kutail Road,
Kutail – 132037, Karnal,
Haryana, India

PHONE

+91 98962 66691

TOLL-FREE

1800 120 1882

EMAIL

info@oswalpumps.com

WEB

www.oswalpumps.com

NSE: **OSWALPUMPS**

BSE: **544418**

ISI · ISO 9001:2015 · BEE 5-Star

SS Submersible Pumps 50 Hz · OSP Series · Cat. No. P02/2025

Specifications are subject to change without notice owing to continuous product improvement.