Oswal Pumps Ltd.

ISI · ISO 9001:2015 · BEE 5-Star

OSWAL
PUMPS & MOTORS
True Partner!

Oswal SS Submersible 60 Hz

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



Performance that runs deep

16 pump families · 336 models · fully fabricated AISI 304



4″
Radial-flow · 5 families



6″
Mixed-flow · 6 families



8″
Mixed-flow · 2 families



10″
Mixed-flow · 2 families



12″
Mixed-flow · 1 family

4″–12″	0.37–185 kW	331 m³/h	677 m
borewell sizes	0.5–250 HP	max. flow (5,520 L/min)	max. head

www.oswalpumps.com

CONTENTS

SS Submersible Pumps · 60 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, 46/60	27
OSP-9	performance, dimensions, curves	30
OSP-12	performance, dimensions, curves	36
OSP-17	performance, dimensions, curves	44
OSP-30	performance, dimensions, curves	52
OSP-46	performance, dimensions, curves	58
OSP-60	performance, dimensions, curves	66

8″ Submersible Pumps P. 74

	8″ range — general data	74
	Material of construction	75
OSP-77	performance, dimensions, curves	76
OSP-95	performance, dimensions, curves	82

10″ Submersible Pumps P. 88

	10″ range — general data	88
	Material of construction	89
OSP-125	performance, dimensions, curves	90
OSP-160	performance, dimensions, curves	96

12″ Submersible Pumps P. 102

	12″ range — general data	102
OSP-215	performance, dimensions	103

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

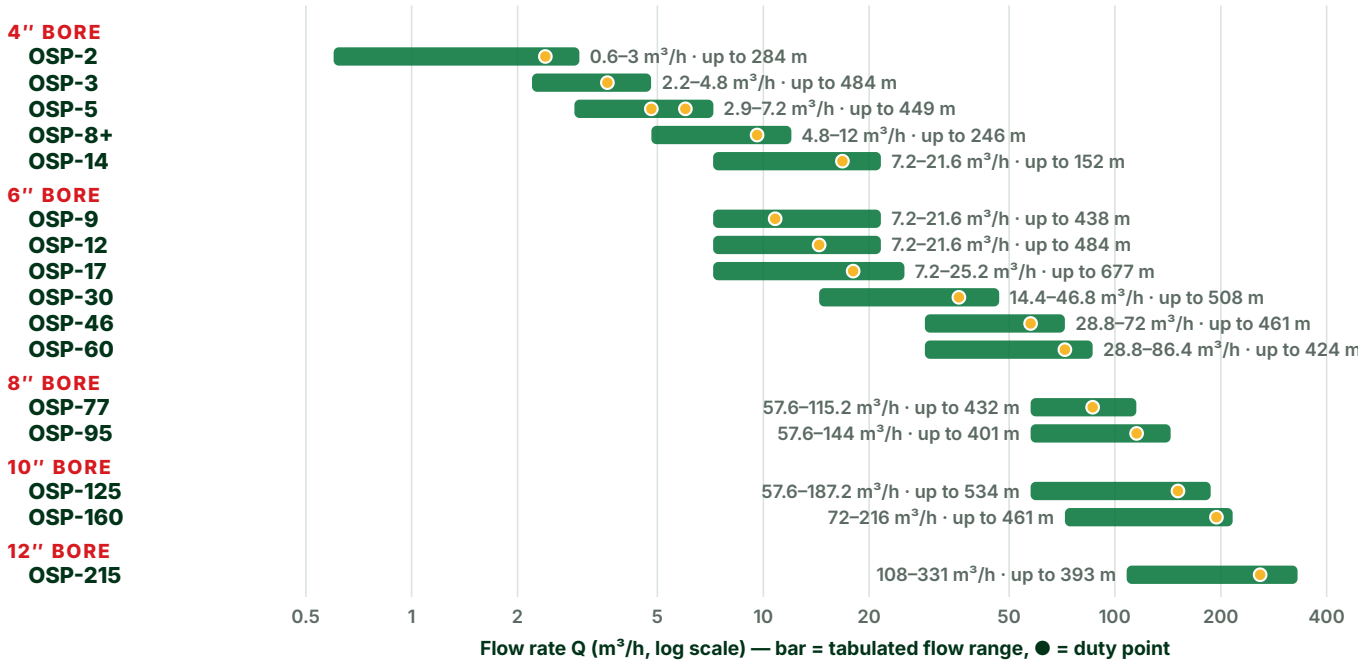
Exporting to 20 countries at present and heading to mark a presence in 50 countries. Oswal Pumps Limited assures you of quality products and the best service, always.

RANGE AT A GLANCE

16 families from 0.6 to 331 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	2.4 m³/h	0.6–3	10–50	284	0.37–2.2	0.5–3	1¼″	11
	OSP-3	3.6 m³/h	2.2–4.8	36–80	484	0.37–5.5	0.5–7.5	1½″	13
	OSP-5	4.8 m³/h / 6 m³/h	2.9–7.2	48–120	449	0.55–7.5	0.75–10	1½″	11
	OSP-8+	9.6 m³/h	4.8–12	80–200	246	0.75–7.5	1–10	2″	10
	OSP-14	16.8 m³/h	7.2–21.6	120–360	152	1.5–7.5	2–10	2″	5
6″ 150 mm Mixed-flow	OSP-9	10.8 m³/h	7.2–21.6	120–360	438	0.75–18.5	1–25	2″	29
	OSP-12	14.4 m³/h	7.2–21.6	120–360	484	0.75–22	1–30	2″	32
	OSP-17	18 m³/h	7.2–25.2	120–420	677	1.1–37	1.5–50	2½″	34
	OSP-30	36 m³/h	14.4–46.8	240–780	508	1.5–45	2–60	3″	30
	OSP-46	57.6 m³/h	28.8–72	480–1200	461	1.5–55	2–75	4″	30
	OSP-60	72 m³/h	28.8–86.4	480–1440	424	2.2–67	3–90	4″	28
8″ 200 mm Mixed-flow	OSP-77	86.4 m³/h	57.6–115.2	960–1920	432	5.5–93	7.5–125	5″	22
	OSP-95	115.2 m³/h	57.6–144	960–2400	401	5.5–93	7.5–125	5″	20
10″ 250 mm Mixed-flow	OSP-125	151.2 m³/h	57.6–187.2	960–3120	534	11–185	15–250	6″	26
	OSP-160	194.4 m³/h	72–216	1200–3600	461	15–185	20–250	6″	19
12″ 305 mm Mixed-flow	OSP-215	259 m³/h	108–331	1800–5520	393	22–185	30–250	6″	16

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. 60 Hz performance; motor service factor SF 1.15 (as stated on the source range chart).

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	**40 to 4,320 L/min** (2.4 to 259 m³/h)
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
Supply frequency	**60 Hz** · motor speed ≈ **3,450 min⁻¹** · SF 1.15

Pump model key

OSP	95	A	B
Model type (Oswal stainless-steel pump)	Nominal flow rate (×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-46/5-C(P4)60(6X6)**: family / stages-impeller trim, 60 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 ≈ 3,450 min⁻¹ (60 Hz). 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	46	60	77	95	125	160	215
Bore	4″	4″	4″	4″	4″	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
Rp BSP	1¼″	1½″	1½″	2″	2″	2″	2″	2½″	3″	4″	4″	5″	5″	6″	6″	6″
NPT	1¼″	1½″	1½″	2″	2″	2″	2″	3″	3″	4″	4″	5″	5″	6″	6″	6″

Connection sizes as published in the 60 Hz general-data table; all pumps are also available with NPT connection on request.

FEATURES & BENEFITS

Stainless steel, inside and out

A wide pump range
Energy-efficient duty points from 2.4 to 259 m³/h, 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).

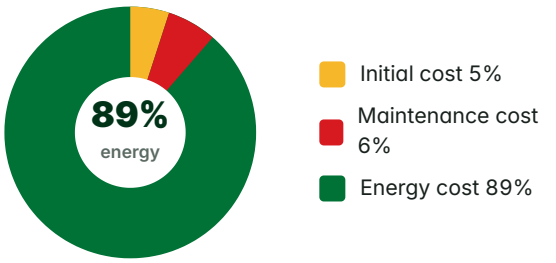
Comparison	Ordinary pump (XYZ Co.)	Oswal
Model	ABC	OSP-60
Power (HP / kW)	40 / 30	40 / 30
Stages	17	17
Head (m)	131	131
Flow (m³/h)	60	60
Cost (USD)	700	1,160
Cost (INR)	30,000	50,000
Motor efficiency	78%	84%
Pump efficiency	60%	75%
Overall efficiency	46.8%	63%
Input power	45.74 kW	34 kW
Energy per day (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.

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
0.6–21.6 m³/h	up to 484 m	0.37–7.5 kW	50
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

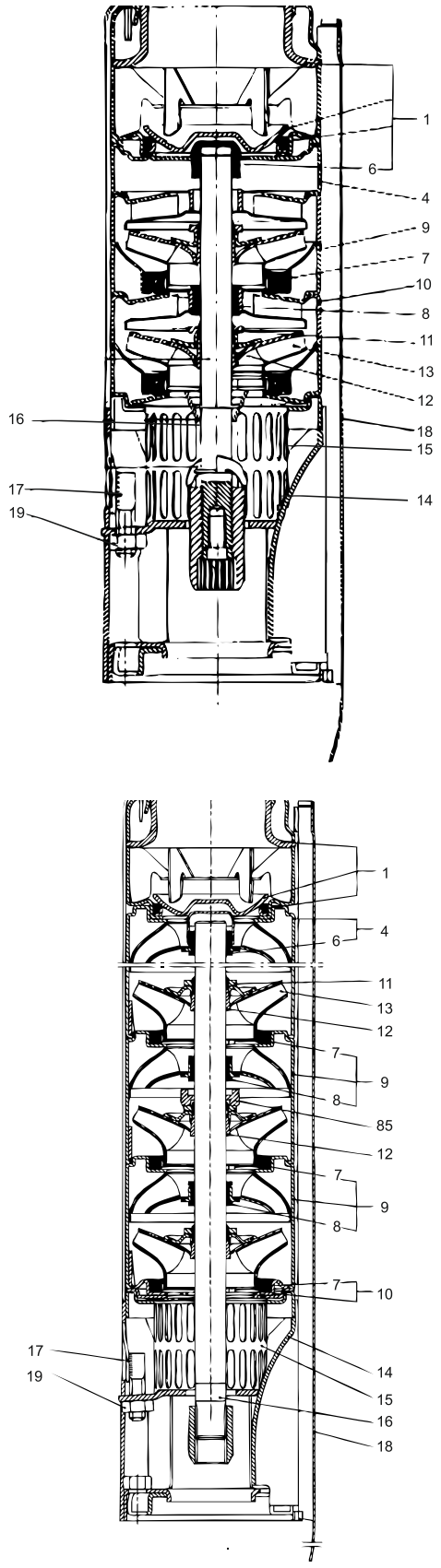
Flow, head and power figures above are derived from the performance tables in this section.

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
85	Stop ring	SS-304



Sectional views (two designs)

4" · RADIAL FLOW

OSP-2

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
2.4 m³/h	0.6–3 m³/h	284 m	0.37–2.2 kW	1¼"	11

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	0.6	1.2	1.7	2.4	3
						0 L/min	10	20	28	40	50
						0 US gpm	2.6	5.3	7.5	10.6	13.2
						0 Imp. gpm	2.2	4.4	6.2	8.8	11.0
OSP-2/5(P4)60(4X4)	0.37	0.5	5	V-4	1¼"	42	40	37	34	**27**	17
OSP-2/6(P4)60(4X4)	0.55	0.75	6	V-4	1¼"	50	47	45	41	**33**	20
OSP-2/9(P4)60(4X4)	0.55	0.75	9	V-4	1¼"	75	71	67	62	**49**	30
OSP-2/11(P4)60(4X4)	0.75	1	11	V-4	1¼"	92	87	82	75	**60**	37
OSP-2/12(P4)60(4X4)	0.75	1	12	V-4	1¼"	100	95	89	82	**65**	40
OSP-2/15(P4)60(4X4)	1.1	1.5	15	V-4	1¼"	125	119	111	103	**82**	50
OSP-2/17(P4)60(4X4)	1.1	1.5	17	V-4	1¼"	142	134	126	116	**93**	57
OSP-2/21(P4)60(4X4)	1.5	2	21	V-4	1¼"	175	166	156	144	**114**	70
OSP-2/23(P4)60(4X4)	1.5	2	23	V-4	1¼"	192	182	171	157	**125**	77
OSP-2/27(P4)60(4X4)	2.2	3	27	V-4	1¼"	225	213	200	185	**147**	90
OSP-2/34(P4)60(4X4)	2.2	3	34	V-4	1¼"	284	269	252	233	**185**	113

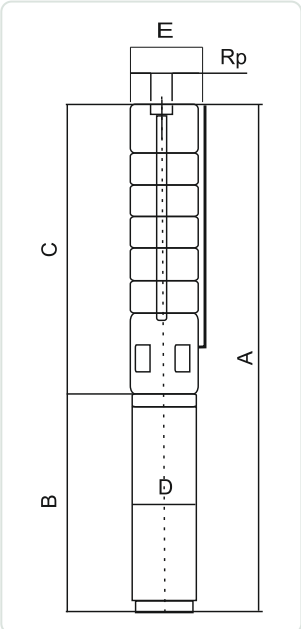
Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A.

OSP-2

— Dimensions & weights

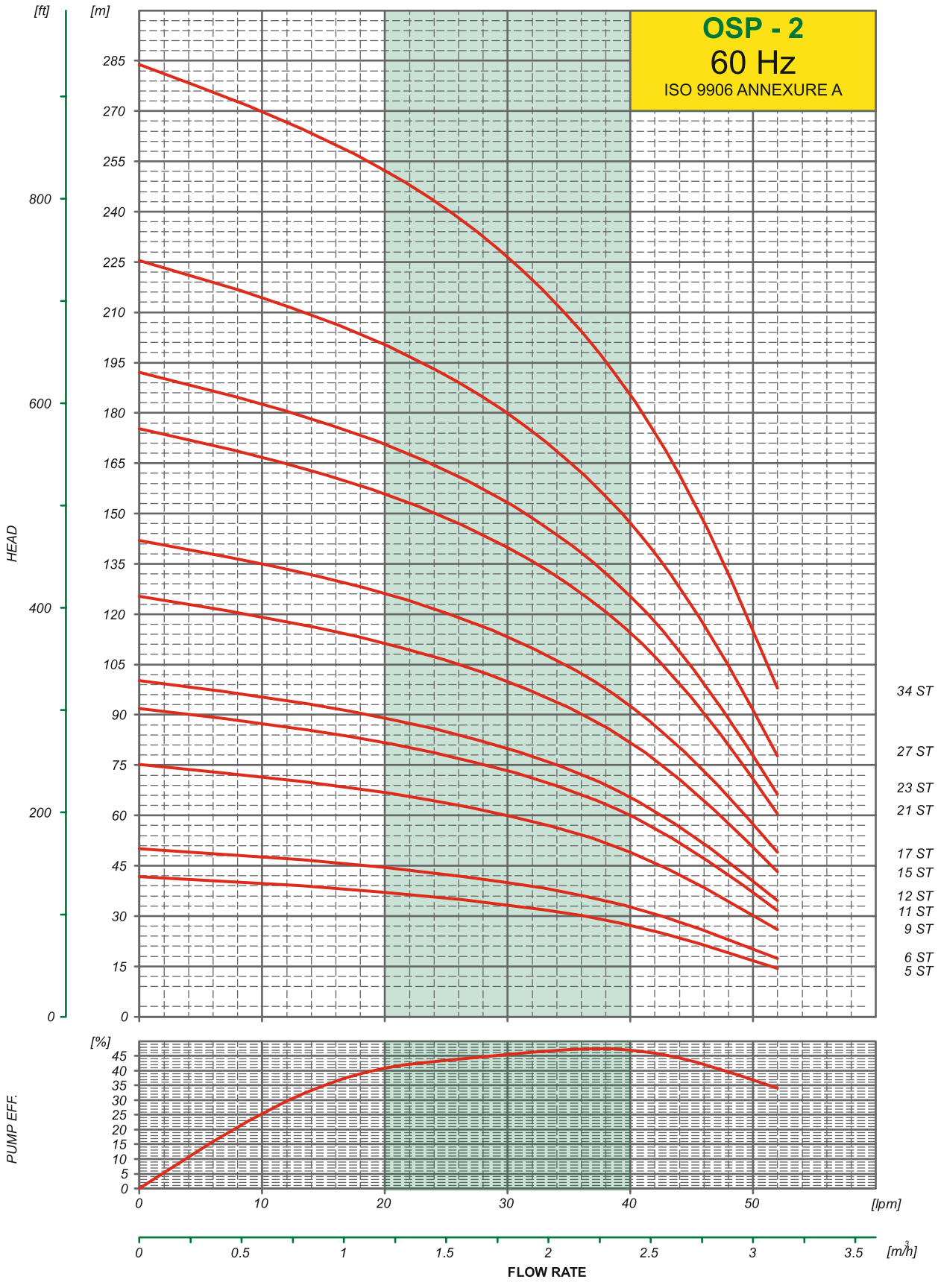
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-2/5(P4)60(4X4)	5	V-4	0.37	273	101	3.3	97
OSP-2/6(P4)60(4X4)	6	V-4	0.55	297	101	3.5	97
OSP-2/9(P4)60(4X4)	9	V-4	0.55	369	101	4.3	97
OSP-2/11(P4)60(4X4)	11	V-4	0.75	417	101	4.9	97
OSP-2/12(P4)60(4X4)	12	V-4	0.75	441	101	5.2	97
OSP-2/15(P4)60(4X4)	15	V-4	1.1	513	101	6.0	97
OSP-2/17(P4)60(4X4)	17	V-4	1.1	561	101	6.5	97
OSP-2/21(P4)60(4X4)	21	V-4	1.5	657	101	7.6	97
OSP-2/23(P4)60(4X4)	23	V-4	1.5	705	101	8.2	97
OSP-2/27(P4)60(4X4)	27	V-4	2.2	801	101	9.2	97
OSP-2/34(P4)60(4X4)	34	V-4	2.2	999	101	12.4	97

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



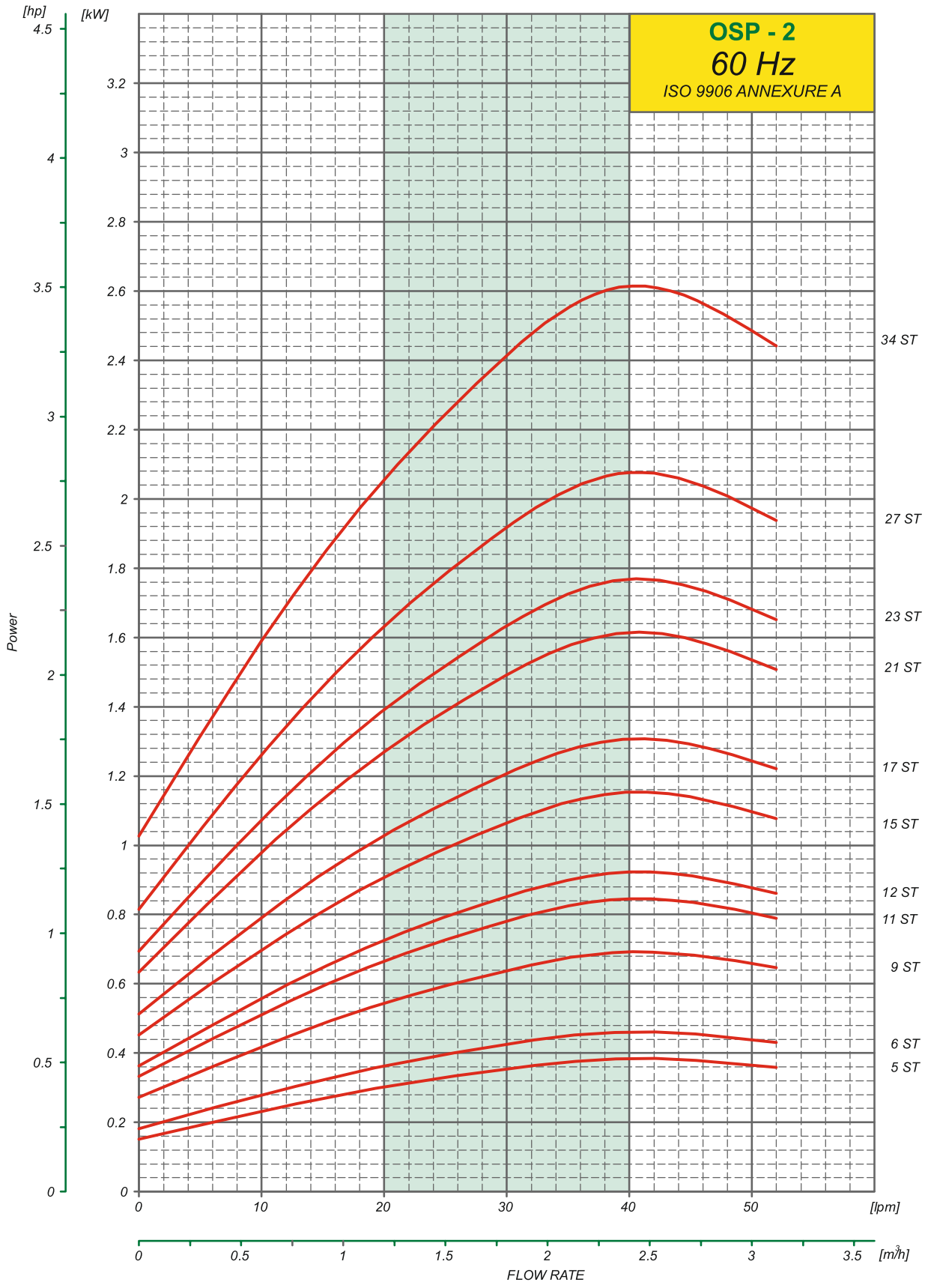
OSP-2 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-2 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4" · RADIAL FLOW

OSP-3

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
3.6 m³/h	2.2–4.8 m³/h	484 m	0.37–5.5 kW	1½"	13

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	2.2	2.9	3.6	4.3	4.8
						0 L/min	36	48	60	72	80
						0 US gpm	9.7	12.8	15.8	18.9	21.1
						0 Imp. gpm	7.9	10.6	13.2	15.8	17.6
OSP-3/4(P4)60(4X4)	0.37	0.5	4	V-4	1½"	35	31	29	**25**	20	15
OSP-3/5(P4)60(4X4)	0.55	0.75	5	V-4	1½"	43	39	36	**31**	25	19
OSP-3/6(P4)60(4X4)	0.55	0.75	6	V-4	1½"	52	47	43	**38**	29	22
OSP-3/8(P4)60(4X4)	0.75	1	8	V-4	1½"	69	62	58	**50**	39	30
OSP-3/10(P4)60(4X4)	1.1	1.5	10	V-4	1½"	86	78	72	**63**	49	37
OSP-3/12(P4)60(4X4)	1.1	1.5	12	V-4	1½"	104	93	86	**75**	59	45
OSP-3/14(P4)60(4X4)	1.5	2	14	V-4	1½"	121	109	101	**88**	69	52
OSP-3/16(P4)60(4X4)	1.5	2	16	V-4	1½"	138	124	115	**100**	78	60
OSP-3/18(P4)60(4X4)	2.2	3	18	V-4	1½"	156	140	130	**113**	88	67
OSP-3/24(P4)60(4X4)	2.2	3	24	V-4	1½"	207	187	173	**150**	118	90
OSP-3/32(P4)60(4X4)	3	4	32	V-4	1½"	276	249	230	**200**	157	120
OSP-3/38(P4)60(4X4)	4	5.5	38	V-4	1½"	328	296	274	**238**	186	142
OSP-3/56(P4)60(4X4)	5.5	7.5	56	V-4	1½"	484	436	403	**351**	274	209

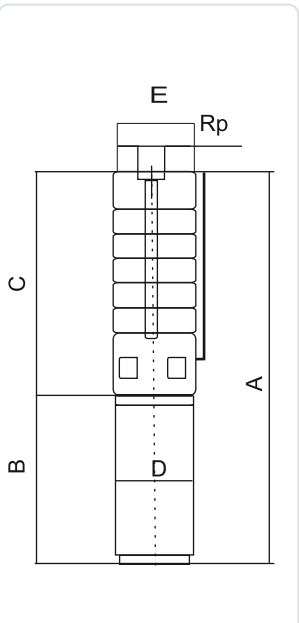
Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A.

OSP-3

— Dimensions & weights

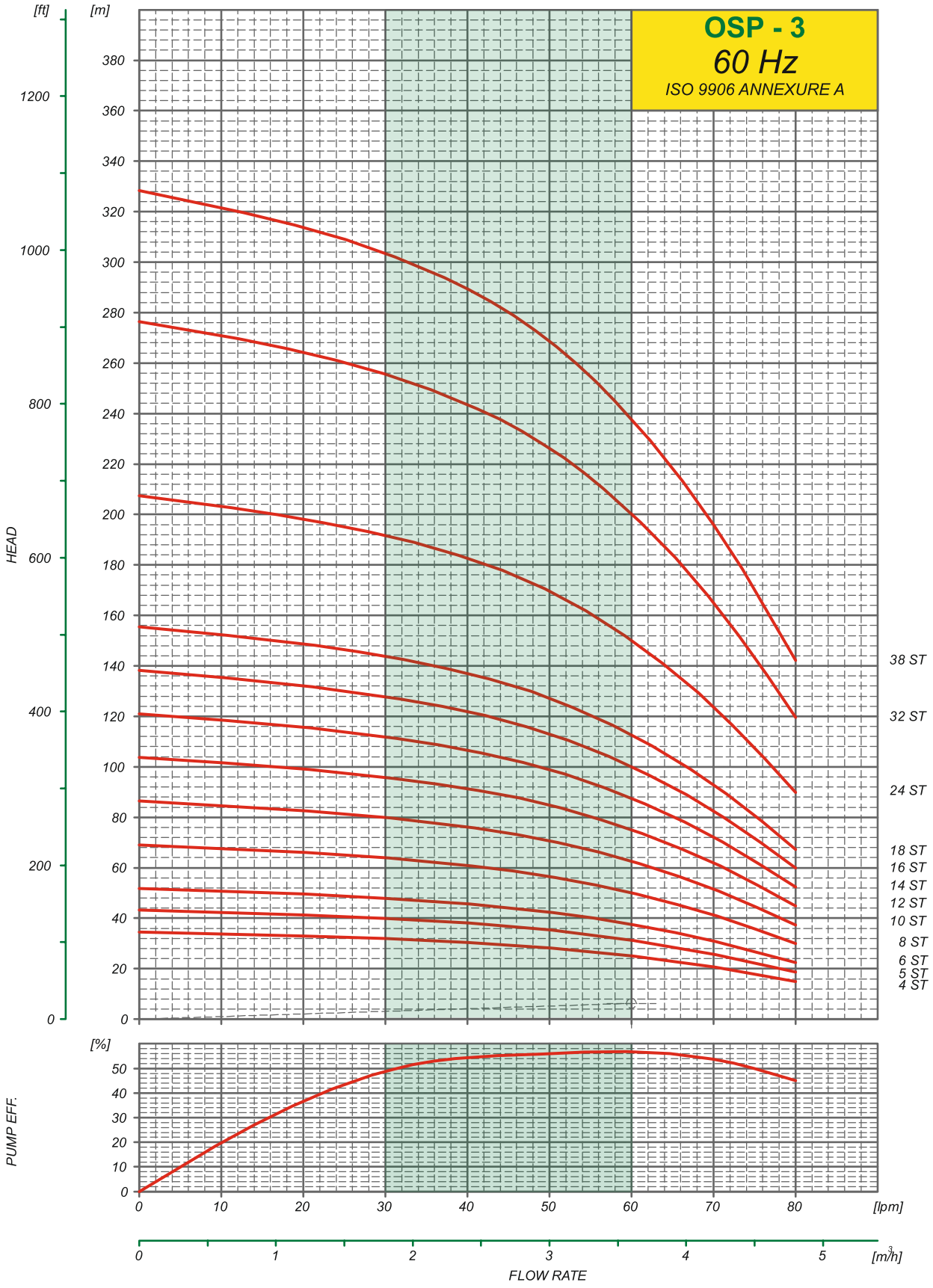
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-3/4(P4)60(4X4)	4	V-4	0.37	249	101	3.0	97
OSP-3/5(P4)60(4X4)	5	V-4	0.55	273	101	3.3	97
OSP-3/6(P4)60(4X4)	6	V-4	0.55	297	101	3.5	97
OSP-3/8(P4)60(4X4)	8	V-4	0.75	345	101	4.1	97
OSP-3/10(P4)60(4X4)	10	V-4	1.1	393	101	4.6	97
OSP-3/12(P4)60(4X4)	12	V-4	1.1	441	101	5.2	97
OSP-3/14(P4)60(4X4)	14	V-4	1.5	489	101	5.7	97
OSP-3/16(P4)60(4X4)	16	V-4	1.5	537	101	6.3	97
OSP-3/18(P4)60(4X4)	18	V-4	2.2	585	101	6.8	97
OSP-3/24(P4)60(4X4)	24	V-4	2.2	729	101	8.4	97
OSP-3/32(P4)60(4X4)	32	V-4	3	921	101	10.6	97
OSP-3/38(P4)60(4X4)	38	V-4	4	1142	101	13.5	97
OSP-3/56(P4)60(4X4)	56	V-4	5.5	1634	101	17.6	97

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



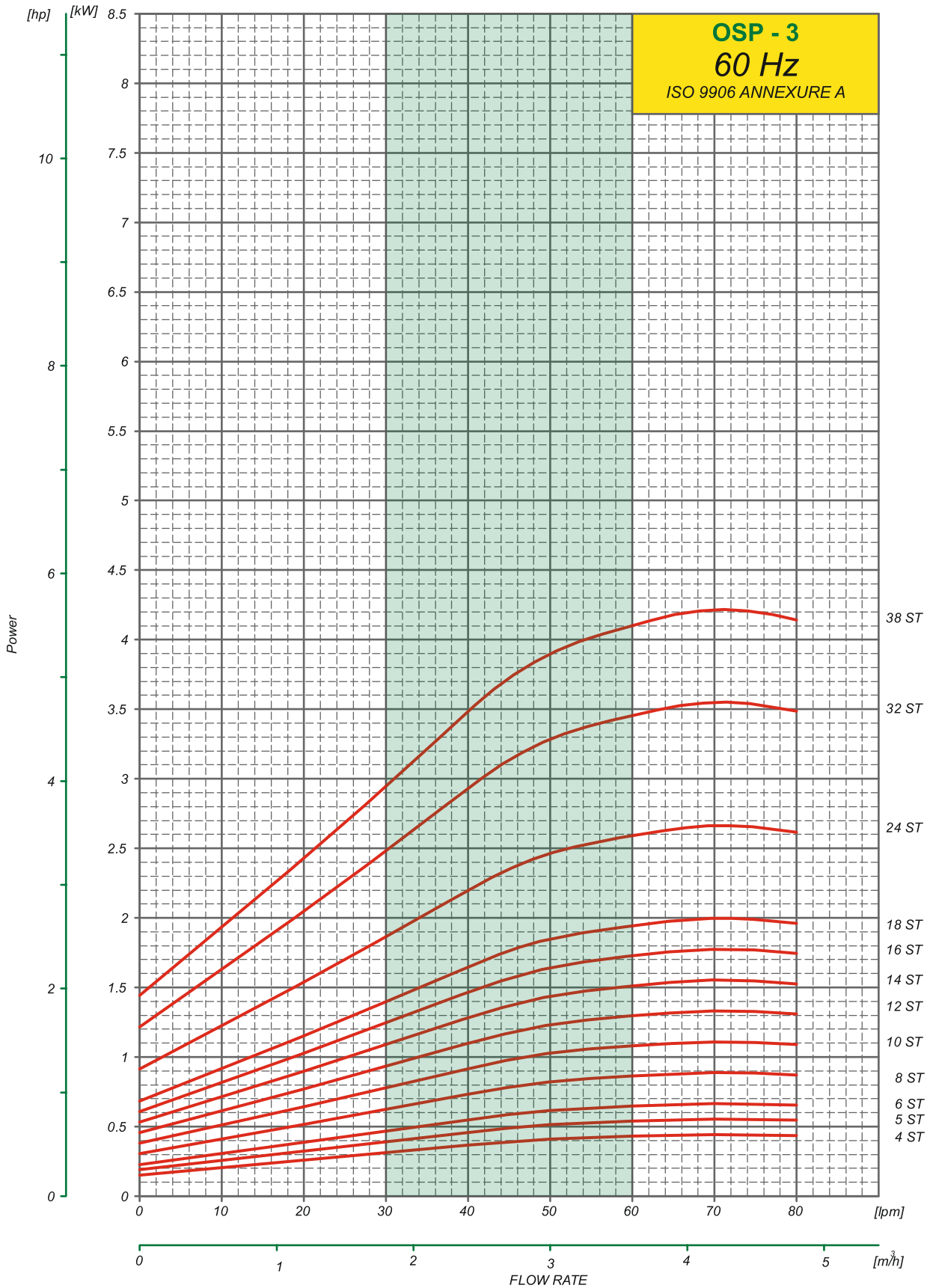
OSP-3 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-3 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4" · RADIAL FLOW

OSP-5

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
4.8 m³/h / 6 m³/h	2.9–7.2 m³/h	449 m	0.55–7.5 kW	1½"	11

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	2.9	4.1	4.8	6	7.2
						0 L/min	48	68	80	100	120
						0 US gpm	12.8	18.1	21.1	26.4	31.7
						0 Imp. gpm	10.6	15.0	17.6	22.0	26.4
OSP-5/3(P4)60(4X4)	0.55	0.75	3	V-4	1½"	26	23	22	**20**	**17**	13
OSP-5/5(P4)60(4X4)	0.75	1	5	V-4	1½"	43	39	36	**34**	**29**	21
OSP-5/7(P4)60(4X4)	1.1	1.5	7	V-4	1½"	60	54	50	**47**	**40**	30
OSP-5/8(P4)60(4X4)	1.1	1.5	8	V-4	1½"	69	62	58	**54**	**46**	34
OSP-5/9(P4)60(4X4)	1.5	2	9	V-4	1½"	78	69	65	**61**	**52**	39
OSP-5/11(P4)60(4X4)	1.5	2	11	V-4	1½"	95	85	79	**74**	**63**	47
OSP-5/15(P4)60(4X4)	2.2	3	15	V-4	1½"	130	116	108	**102**	**86**	64
OSP-5/21(P4)60(4X4)	3	4	21	V-4	1½"	181	162	151	**142**	**121**	90
OSP-5/26(P4)60(4X4)	4	5.5	26	V-4	1½"	225	200	187	**176**	**150**	111
OSP-5/39(P4)60(4X4)	5.5	7.5	39	V-4	1½"	337	300	281	**264**	**225**	167
OSP-5/52(P4)60(4X4)	7.5	10	52	V-4	1½"	449	400	374	**352**	**300**	223

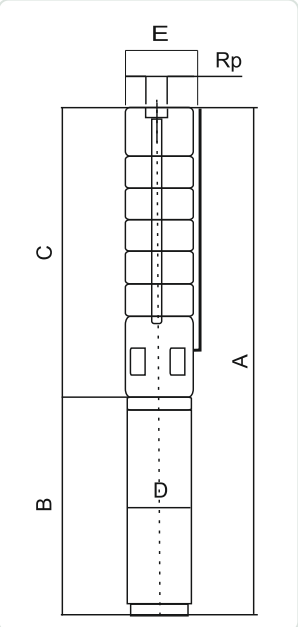
Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A.

OSP-5

— Dimensions & weights

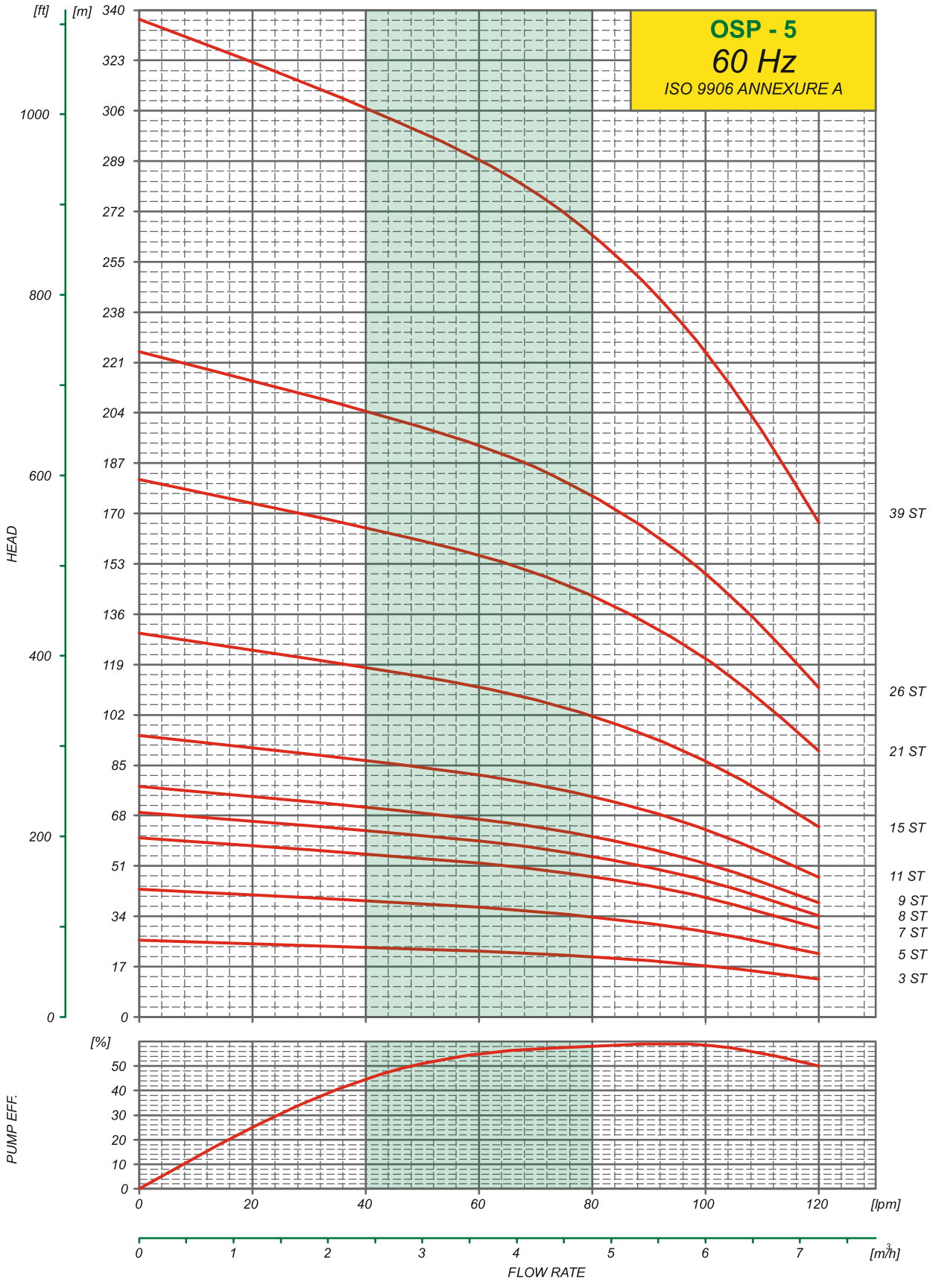
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-5/3(P4)60(4X4)	3	V-4	0.55	225	101	2.7	97
OSP-5/5(P4)60(4X4)	5	V-4	0.75	273	101	3.3	97
OSP-5/7(P4)60(4X4)	7	V-4	1.1	321	101	3.8	97
OSP-5/8(P4)60(4X4)	8	V-4	1.1	345	101	4.1	97
OSP-5/9(P4)60(4X4)	9	V-4	1.5	369	101	4.3	97
OSP-5/11(P4)60(4X4)	11	V-4	1.5	417	101	4.9	97
OSP-5/15(P4)60(4X4)	15	V-4	2.2	513	101	6.0	97
OSP-5/21(P4)60(4X4)	21	V-4	3	657	101	7.6	97
OSP-5/26(P4)60(4X4)	26	V-4	4	777	101	9.0	97
OSP-5/39(P4)60(4X4)	39	V-4	5.5	1166	101	13.7	97
OSP-5/52(P4)60(4X4)	52	V-4	7.5	1508	101	17.4	97

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



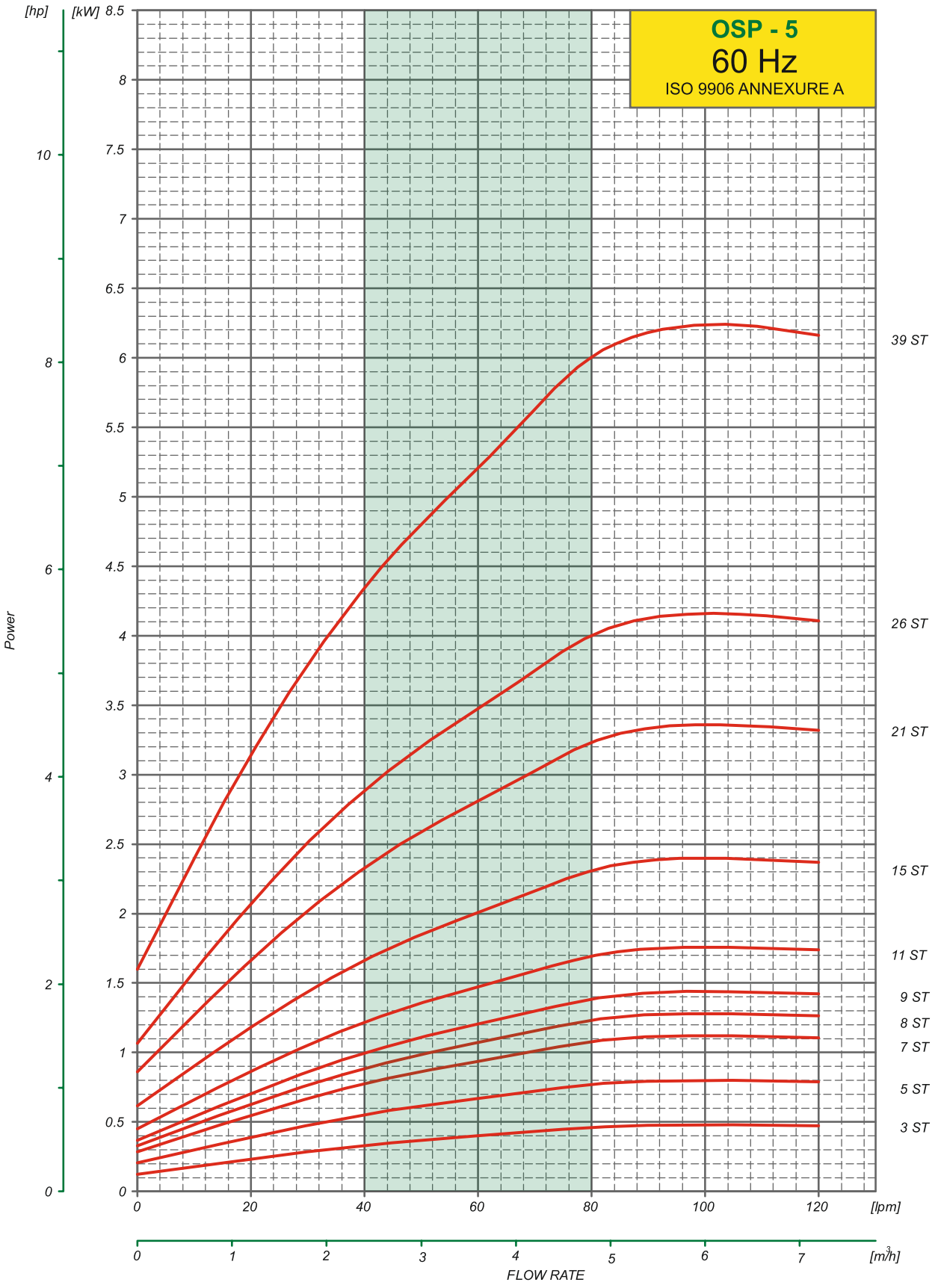
OSP-5 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-5 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4″ · RADIAL FLOW

OSP-8+

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
9.6 m³/h	4.8–12 m³/h	246 m	0.75–7.5 kW	2″	10

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	4.8	7.2	9.6	10.8	12
						0 L/min	80	120	160	180	200
						0 US gpm	21.1	31.7	42.3	47.5	52.8
						0 Imp. gpm	17.6	26.4	35.2	39.6	44.0
OSP-8+/3(P4)60(4X4)	0.75	1	3	V-4	2″	25	22	20	**17**	16	12
OSP-8+/5(P4)60(4X4)	1.1	1.5	5	V-4	2″	41	37	33	**29**	26	20
OSP-8+/7(P4)60(4X4)	1.5	2	7	V-4	2″	57	51	46	**40**	36	28
OSP-8+/9(P4)60(4X4)	2.2	3	9	V-4	2″	74	66	59	**52**	47	36
OSP-8+/12(P4)60(4X4)	3	4	12	V-4	2″	98	88	79	**69**	62	48
OSP-8+/15(P4)60(4X4)	4	5.5	15	V-4	2″	123	110	99	**86**	78	60
OSP-8+/18(P4)60(4X4)	5.5	7.5	18	V-4	2″	148	131	119	**104**	93	73
OSP-8+/21(P4)60(4X4)	5.5	7.5	21	V-4	2″	172	153	139	**121**	109	85
OSP-8+/25(P4)60(4X4)	5.5	7.5	25	V-4	2″	205	183	165	**144**	130	101
OSP-8+/30(P4)60(6X4)	7.5	10	30	V-6	2″	246	219	198	**173**	155	121

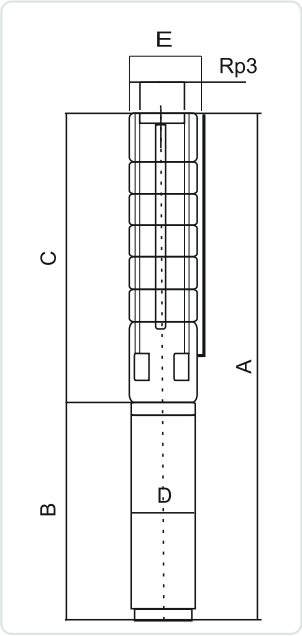
Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A. 18 to 25 stages also available with 6″ motor joining (6X4).

OSP-8+

— Dimensions & weights

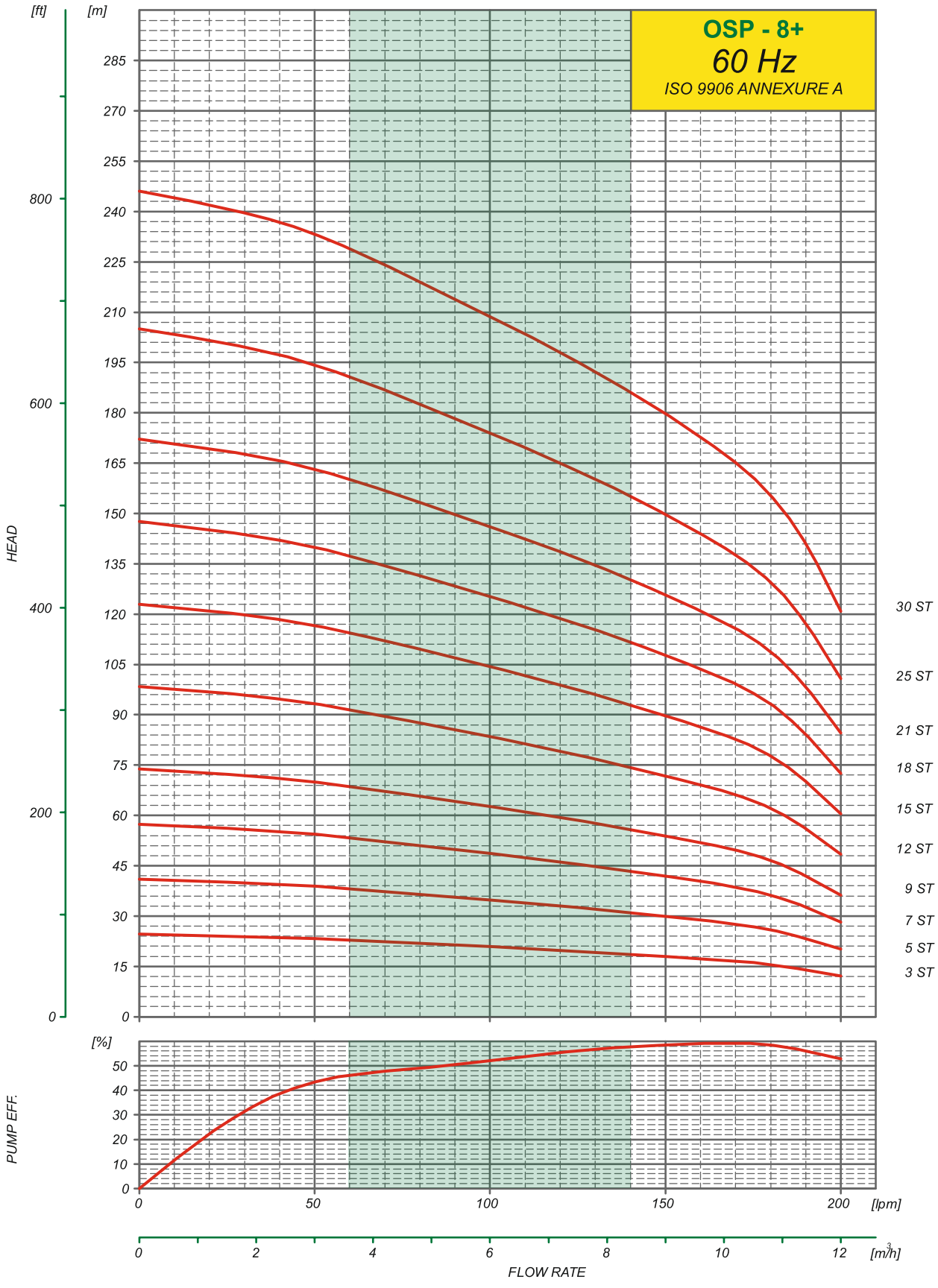
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-8+/3(P4)60(4X4)	3	V-4	0.75	357	101	4.0	97
OSP-8+/5(P4)60(4X4)	5	V-4	1.1	457	101	5.3	97
OSP-8+/7(P4)60(4X4)	7	V-4	1.5	557	101	6.5	97
OSP-8+/9(P4)60(4X4)	9	V-4	2.2	657	101	7.8	97
OSP-8+/12(P4)60(4X4)	12	V-4	3	807	101	9.7	97
OSP-8+/15(P4)60(4X4)	15	V-4	4	957	101	11.6	97
OSP-8+/18(P4)60(4X4)	18	V-4	5.5	1107	101	13.5	97
OSP-8+/21(P4)60(4X4)	21	V-4	5.5	1257	101	15.4	97
OSP-8+/25(P4)60(4X4)	25	V-4	5.5	1457	101	18.0	97
OSP-8+/30(P4)60(6X4)	30	V-6	7.5	1780	143	22.6	144

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



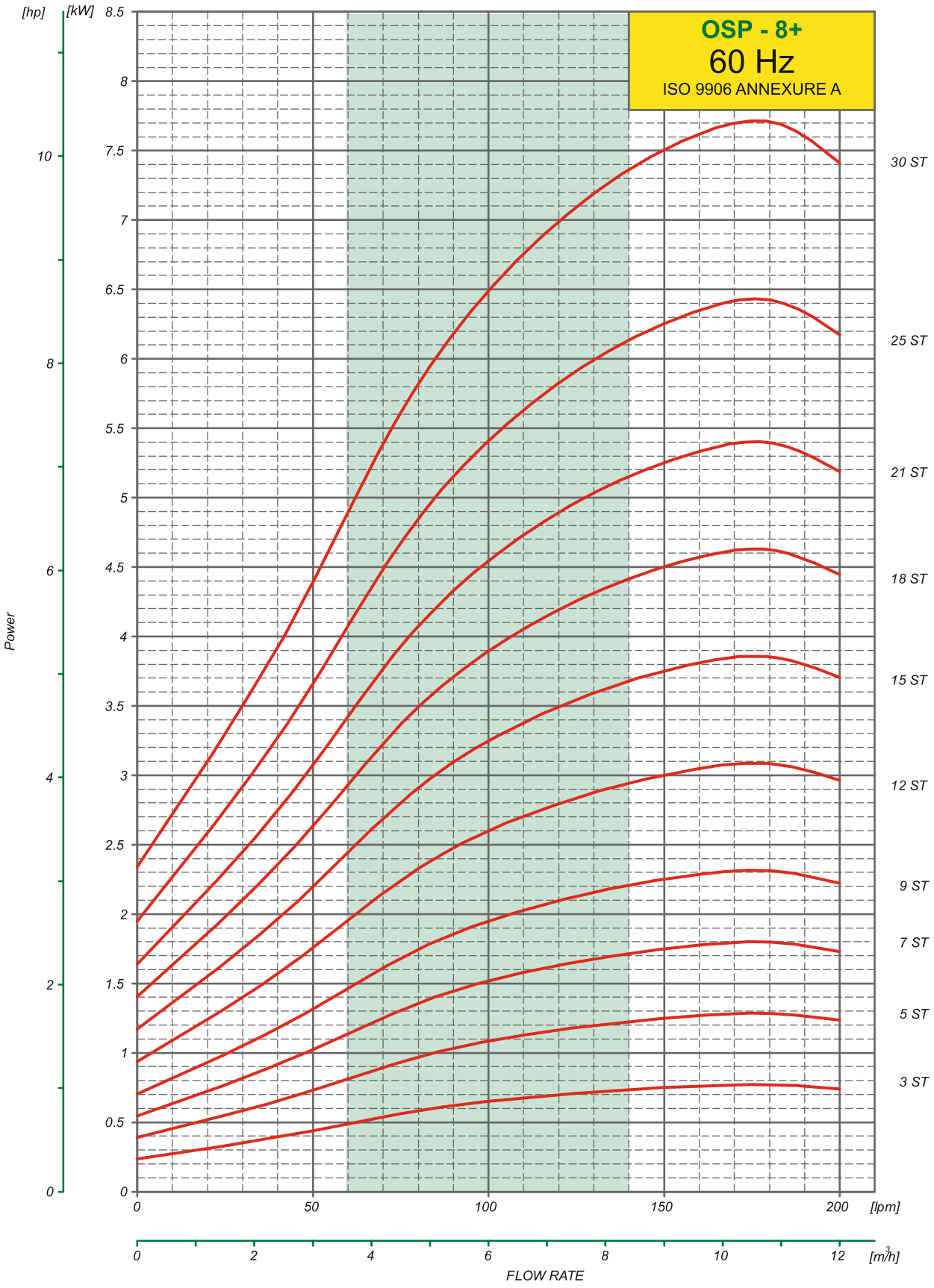
OSP-8+ Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-8+ Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 2



4" · RADIAL FLOW

OSP-14

Performance & dimensions

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
16.8 m³/h	7.2–21.6 m³/h	152 m	1.5–7.5 kW	2"	5

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	7.2	14.4	16.8	18	21.6
						0 L/min	120	240	280	300	360
						0 US gpm	31.7	63.4	74.0	79.2	95.1
						0 Imp. gpm	26.4	52.8	61.6	66.0	79.2
OSP-14/3(P4)60(4X4)	1.5	2	3	V-4	2"	29	27	22	**19**	18	11
OSP-14/5(P4)60(4X4)	2.2	3	5	V-4	2"	48	45	37	**32**	30	19
OSP-14/8(P4)60(4X4)	4	5.5	8	V-4	2"	76	71	59	**52**	47	30
OSP-14/12(P4)60(4X4)	5.5	7.5	12	V-4	2"	114	107	88	**78**	71	45
OSP-14/16(P4)60(6X4)	7.5	10	16	V-6	2"	152	143	117	**104**	94	60

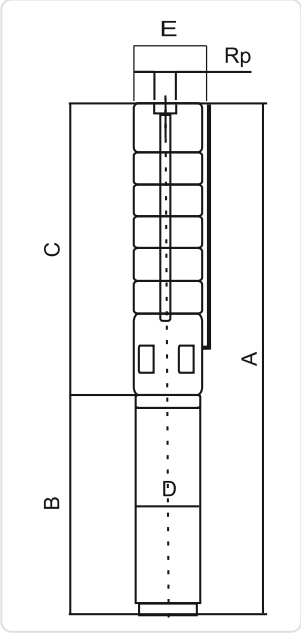
Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A. 12 to 16 stages also available with 6" motor joining (6X4).

OSP-14

— Dimensions & weights

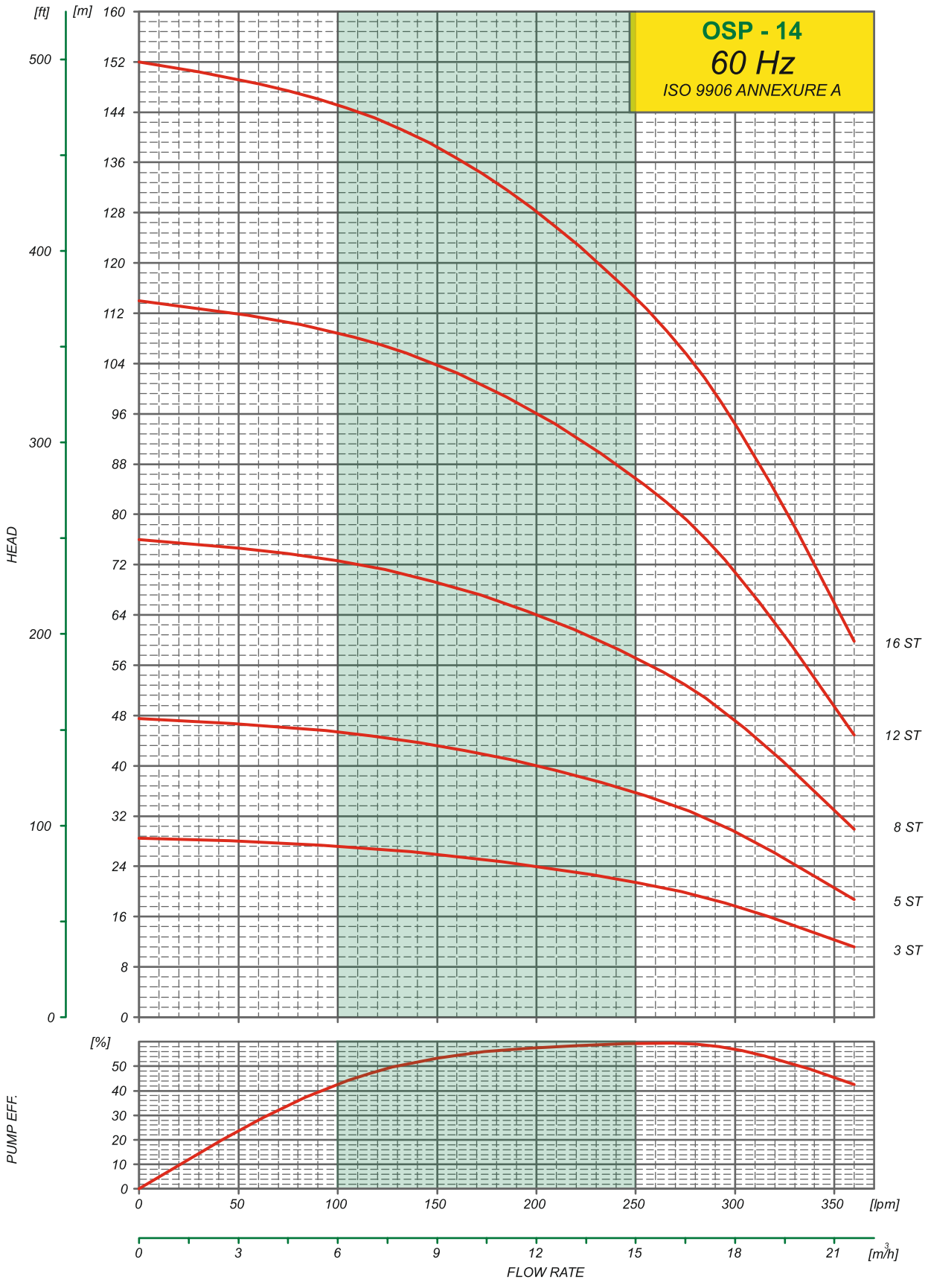
PUMP & MOTOR				DIMENSIONS & WEIGHT			
Model	Stages	Motor joining	Motor kW	Length C (mm)	E* (mm)	Weight (kg)	Motor OD D (mm)
OSP-14/3(P4)60(4X4)	3	V-4	1.5	402	101	4.4	97
OSP-14/5(P4)60(4X4)	5	V-4	2.2	532	101	5.9	97
OSP-14/8(P4)60(4X4)	8	V-4	4	727	101	8.2	97
OSP-14/12(P4)60(4X4)	12	V-4	5.5	987	101	11.2	97
OSP-14/16(P4)60(6X4)	16	V-6	7.5	1320	143	14.5	144

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



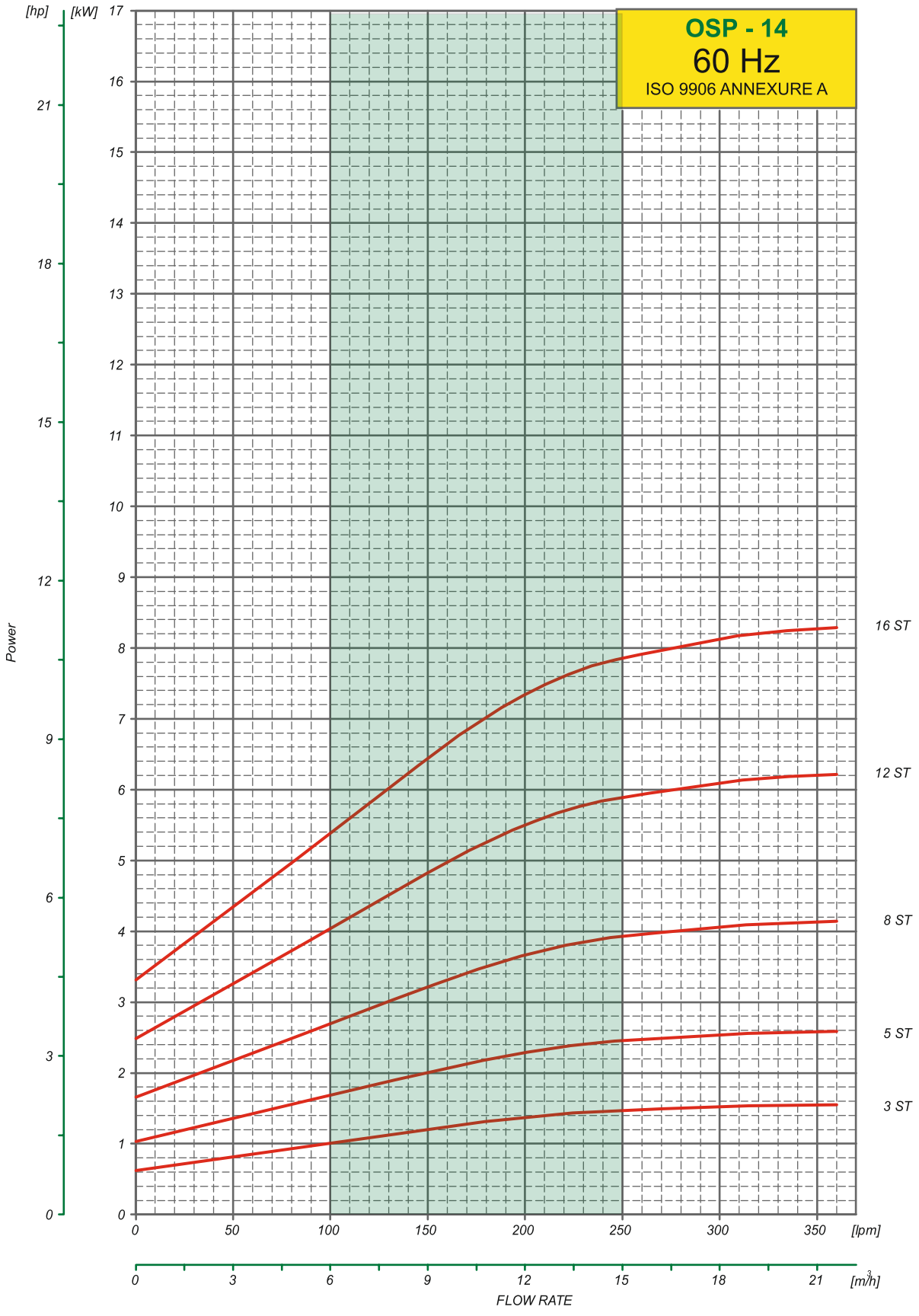
OSP-14 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 2



OSP-14 Power curve

60 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-46 · OSP-60



FLOW	HEAD	POWER	MODELS
7.2–86.4 m³/h	up to 677 m	0.75–67 kW	183
tabulated flow range	shut-off, highest stage	motor ratings	in 6 families

Construction

- Mixed-flow hydraulics: OSP-9, OSP-12, OSP-17, OSP-30, OSP-46, OSP-60
- 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

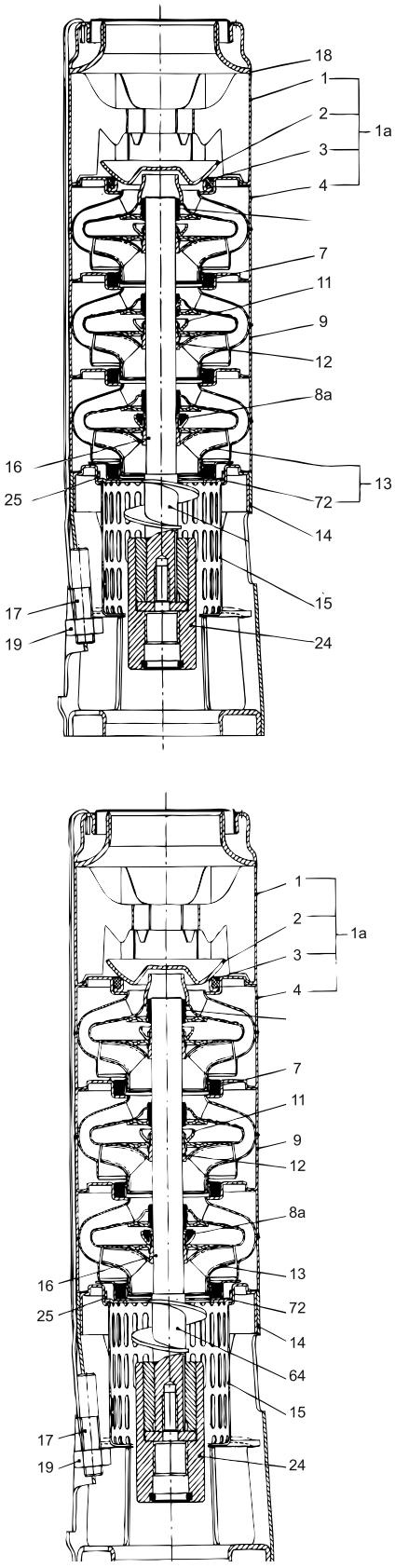
OSP-9 and OSP-12

OSP-9

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
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
19	Nut	SS-304
72	Wear ring	SS-304

OSP-12

No.	Component	Material
1	Valve casing	SS-304
1a	Discharge chamber complete	SS-304
2	Valve cup	SS-304
3	Valve seat	SS-304
4	Top intermediate chamber	SS-304
7	Neck ring	NBR / PPS
8a	Spacing washer	Carbon/graphite HY22 in PTFE mass
9	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
72	Wear ring	SS-304



Sectional views OSP-9 (top) · OSP-12

MATERIAL OF CONSTRUCTION

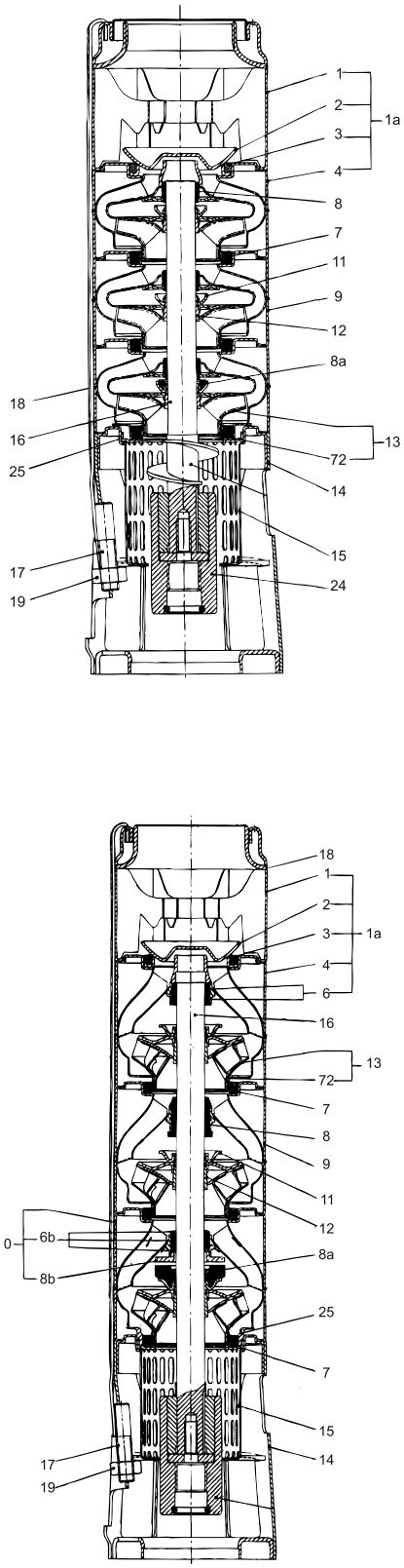
OSP-17 and OSP-30

OSP-17

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
7	Neck ring	NBR / SS
8a	Spacing washer	Carbon/graphite HY22 in PTFE mass
9	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
72	Wear ring	SS-304

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
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
25	Neck ring retainer	SS-304
72	Wear ring	SS-304



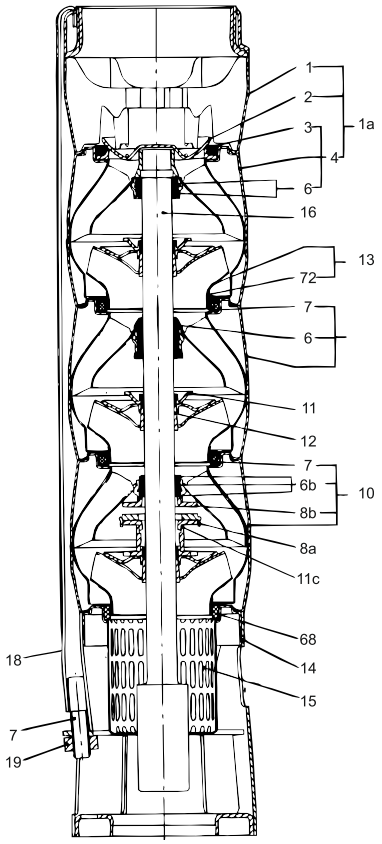
Sectional views OSP-17 (top) · OSP-30

MATERIAL OF CONSTRUCTION

OSP-46 and OSP-60

OSP-46 / OSP-60 IDENTICAL SPECIFICATION

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
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
18	Cable guard	SS-304
19	Nut	SS-304
68	Bottom neck ring	NBR + SS-304
72	Wear ring	SS-304



Sectional view

6″ · MIXED FLOW

OSP-9

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
10.8 m³/h	7.2–21.6 m³/h	438 m	0.75–18.5 kW	2″	29

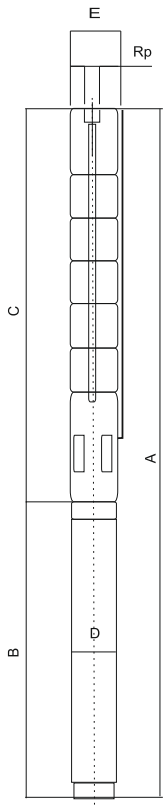
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	7.2	10.8	14.4	18	21.6
						0 L/min	120	180	240	300	360
						0 US gpm	31.7	47.5	63.4	79.2	95.1
						0 Imp. gpm	26.4	39.6	52.8	66.0	79.2
OSP-9/1(P4)60(4X6)	0.75	1	1	V-4	2″	15	14	**13**	11	9	8
OSP-9/2(P4)60(4X6)	1.5	2	2	V-4	2″	30	28	**25**	22	18	15
OSP-9/3(P4)60(4X6)	2.2	3	3	V-4	2″	45	42	**38**	32	27	23
OSP-9/4(P4)60(6X6)	3	4	4	V-6	2″	60	56	**51**	43	36	31
OSP-9/5(P4)60(6X6)	3	4	5	V-6	2″	76	71	**63**	54	45	38
OSP-9/6(P4)60(6X6)	3.7	5	6	V-6	2″	91	85	**76**	65	54	46
OSP-9/7(P4)60(6X6)	4.5	6	7	V-6	2″	106	99	**89**	76	63	54
OSP-9/8(P4)60(6X6)	5.5	7.5	8	V-6	2″	121	113	**101**	86	71	62
OSP-9/9(P4)60(6X6)	5.5	7.5	9	V-6	2″	136	127	**114**	97	80	69
OSP-9/10(P4)60(6X6)	7.5	10	10	V-6	2″	151	141	**127**	108	89	77
OSP-9/11(P4)60(6X6)	7.5	10	11	V-6	2″	166	155	**139**	119	98	85
OSP-9/12(P4)60(6X6)	9.3	12.5	12	V-6	2″	181	169	**152**	130	107	92
OSP-9/13(P4)60(6X6)	9.3	12.5	13	V-6	2″	197	183	**165**	140	116	100
OSP-9/14(P4)60(6X6)	9.3	12.5	14	V-6	2″	212	198	**177**	151	125	108
OSP-9/15(P4)60(6X6)	11	15	15	V-6	2″	227	212	**190**	162	134	115
OSP-9/16(P4)60(6X6)	11	15	16	V-6	2″	242	226	**203**	173	143	123
OSP-9/17(P4)60(6X6)	11	15	17	V-6	2″	257	240	**215**	184	152	131
OSP-9/18(P4)60(6X6)	13	17.5	18	V-6	2″	272	254	**228**	194	161	138
OSP-9/19(P4)60(6X6)	13	17.5	19	V-6	2″	287	268	**241**	205	170	146
OSP-9/20(P4)60(6X6)	13	17.5	20	V-6	2″	302	282	**253**	216	179	154
OSP-9/21(P4)60(6X6)	15	20	21	V-6	2″	318	296	**266**	227	188	161
OSP-9/22(P4)60(6X6)	15	20	22	V-6	2″	333	310	**279**	238	196	169
OSP-9/23(P4)60(6X6)	15	20	23	V-6	2″	348	325	**291**	248	205	177
OSP-9/24(P4)60(6X6)	18.5	25	24	V-6	2″	363	339	**304**	259	214	185
OSP-9/25(P4)60(6X6)	18.5	25	25	V-6	2″	378	353	**317**	270	223	192
OSP-9/26(P4)60(6X6)	18.5	25	26	V-6	2″	393	367	**329**	281	232	200
OSP-9/27(P4)60(6X6)	18.5	25	27	V-6	2″	408	381	**342**	292	241	208
OSP-9/28(P4)60(6X6)	18.5	25	28	V-6	2″	423	395	**355**	302	250	215
OSP-9/29(P4)60(6X6)	18.5	25	29	V-6	2″	438	409	**367**	313	259	223

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 4 to 11 stages also available with 4″ motor joining (4X6).

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)60(4X6)	1	V-4	0.75	336	131	–	5.6	97
OSP-9/2(P4)60(4X6)	2	V-4	1.5	397	131	–	6.8	97
OSP-9/3(P4)60(4X6)	3	V-4	2.2	458	131	–	8.1	97
OSP-9/4(P4)60(6X6)	4	V-6	3	519	131	145	10.5	146
OSP-9/5(P4)60(6X6)	5	V-6	3	580	131	145	11.6	146
OSP-9/6(P4)60(6X6)	6	V-6	3.7	641	131	145	12.9	146
OSP-9/7(P4)60(6X6)	7	V-6	4.5	702	131	145	14.1	146
OSP-9/8(P4)60(6X6)	8	V-6	5.5	763	131	145	15.3	146
OSP-9/9(P4)60(6X6)	9	V-6	5.5	824	131	145	16.6	146
OSP-9/10(P4)60(6X6)	10	V-6	7.5	885	131	145	17.8	146
OSP-9/11(P4)60(6X6)	11	V-6	7.5	946	143	145	19.1	146
OSP-9/12(P4)60(6X6)	12	V-6	9.3	1007	143	145	20.3	146
OSP-9/13(P4)60(6X6)	13	V-6	9.3	1068	143	145	21.5	146
OSP-9/14(P4)60(6X6)	14	V-6	9.3	1129	143	145	22.8	146
OSP-9/15(P4)60(6X6)	15	V-6	11	1190	143	145	24.0	146
OSP-9/16(P4)60(6X6)	16	V-6	11	1251	143	145	25.3	146
OSP-9/17(P4)60(6X6)	17	V-6	11	1312	143	145	26.5	146
OSP-9/18(P4)60(6X6)	18	V-6	13	1373	143	145	27.8	146
OSP-9/19(P4)60(6X6)	19	V-6	13	1434	143	145	29.0	146
OSP-9/20(P4)60(6X6)	20	V-6	13	1495	143	145	30.2	146
OSP-9/21(P4)60(6X6)	21	V-6	15	1556	143	145	31.5	146
OSP-9/22(P4)60(6X6)	22	V-6	15	1617	143	145	32.7	146
OSP-9/23(P4)60(6X6)	23	V-6	15	1678	143	145	34.0	146
OSP-9/24(P4)60(6X6)	24	V-6	18.5	1739	143	145	35.2	146
OSP-9/25(P4)60(6X6)	25	V-6	18.5	1800	143	145	36.4	146
OSP-9/26(P4)60(6X6)	26	V-6	18.5	1861	143	145	37.7	146
OSP-9/27(P4)60(6X6)	27	V-6	18.5	1922	143	145	38.9	146
OSP-9/28(P4)60(6X6)	28	V-6	18.5	1983	143	145	40.2	146
OSP-9/29(P4)60(6X6)	29	V-6	18.5	2044	143	145	41.4	146

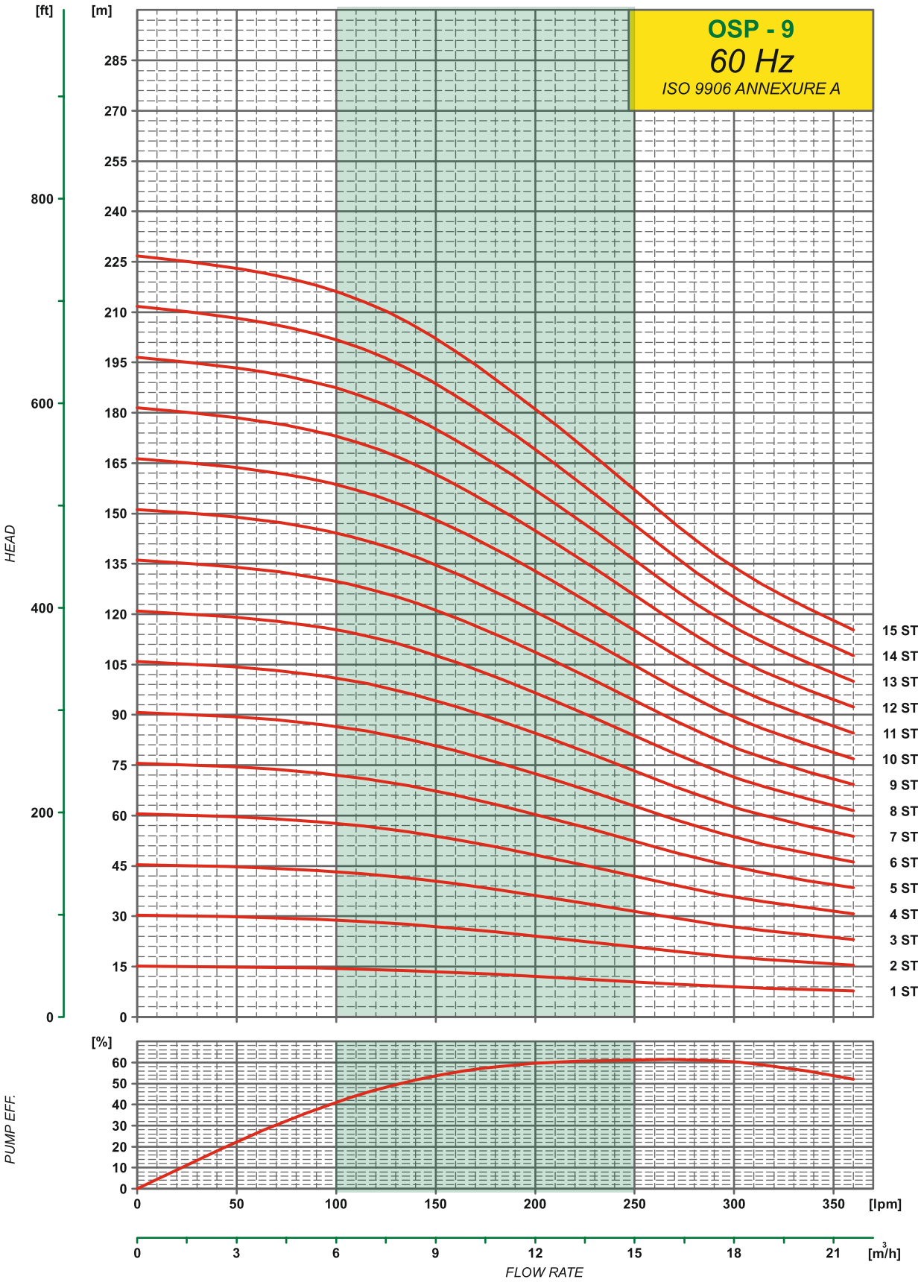
E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

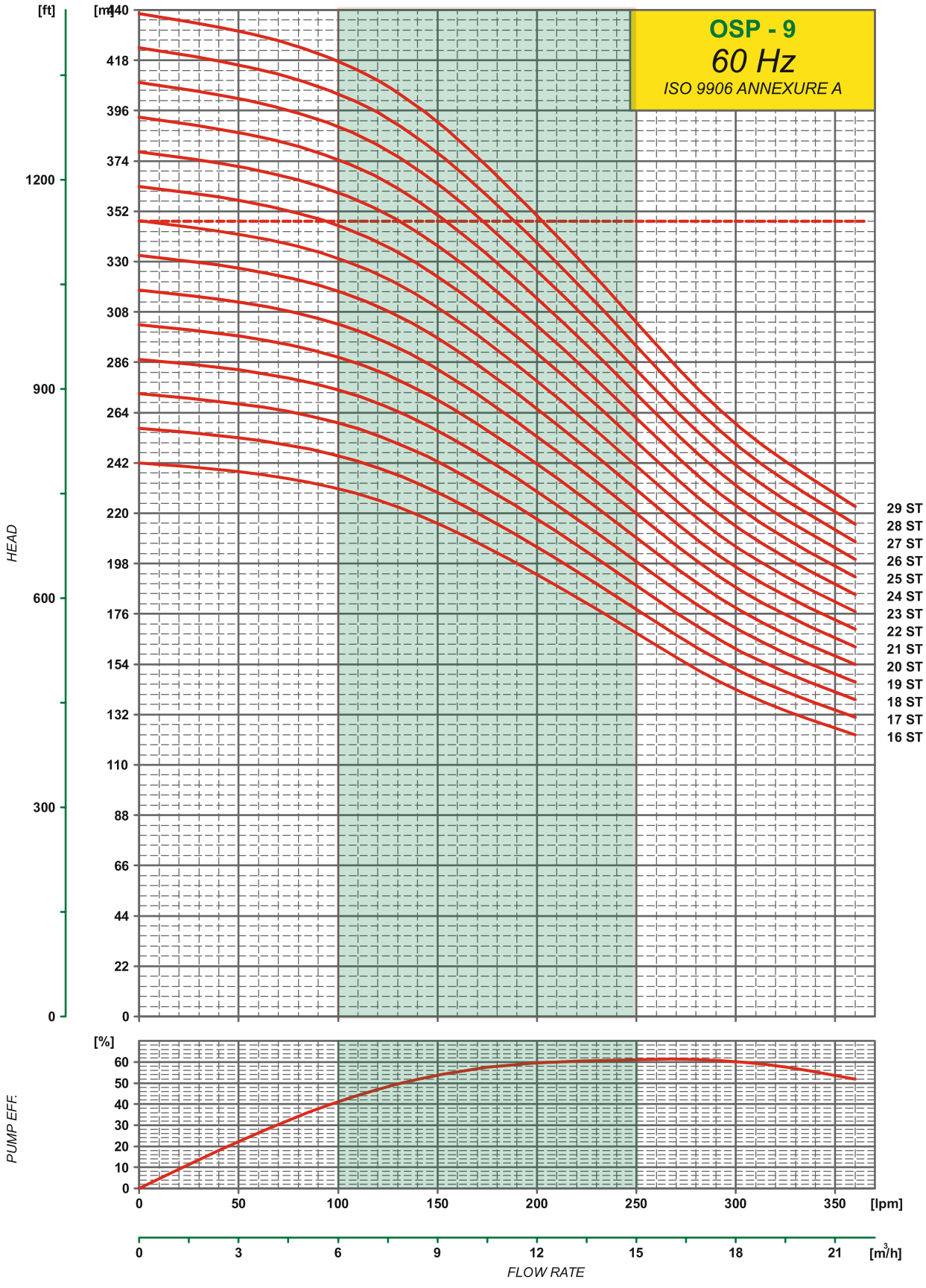
OSP-9 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



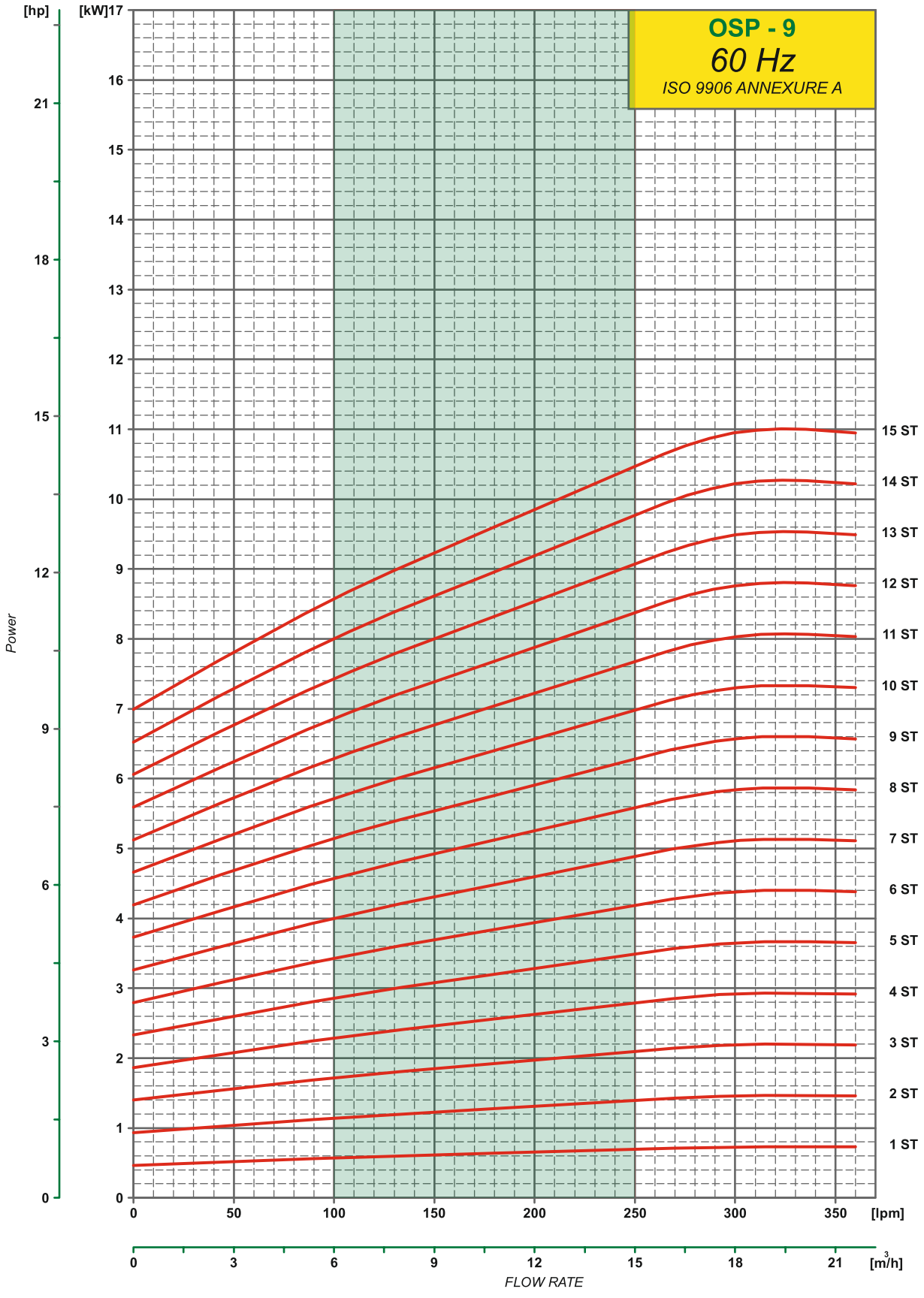
OSP-9 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



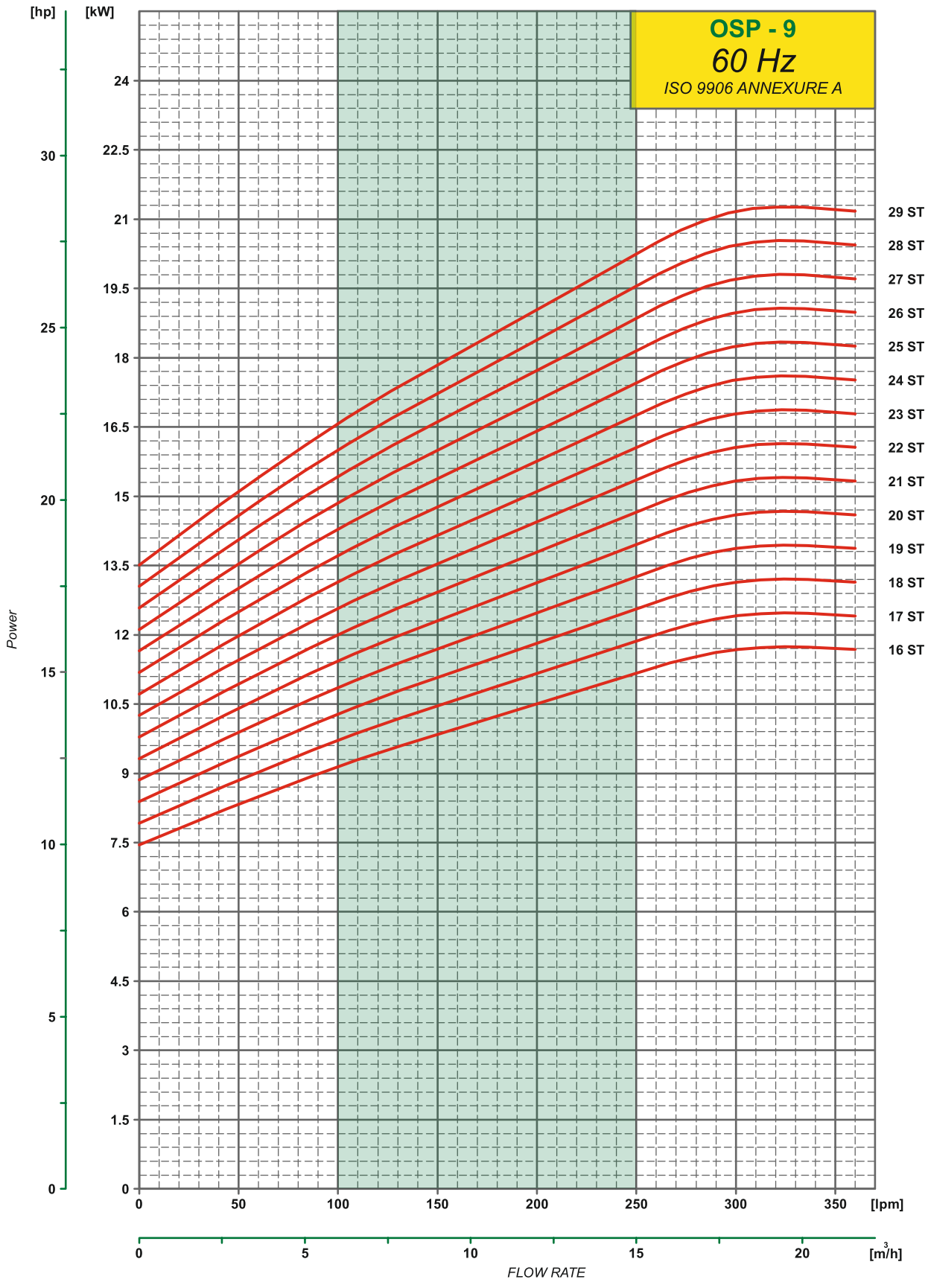
OSP-9 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-9 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 4



6″ · MIXED FLOW

OSP-12

Performance table

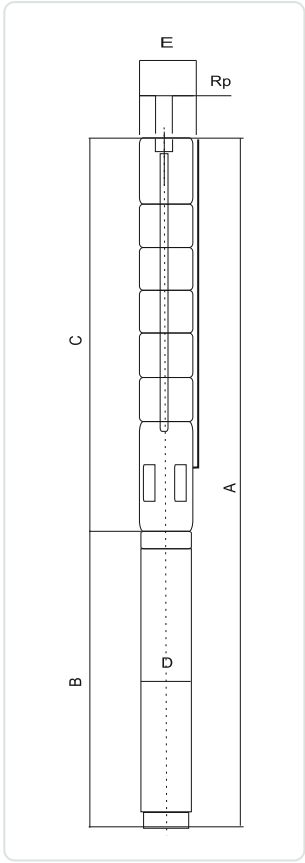
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
14.4 m³/h	7.2–21.6 m³/h	484 m	0.75–22 kW	2″	32

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	7.2	10.8	14.4	18	21.6
						0 L/min	120	180	240	300	360
						0 US gpm	31.7	47.5	63.4	79.2	95.1
						0 Imp. gpm	26.4	39.6	52.8	66.0	79.2
OSP-12/1(P4)60(4X6)	0.75	1	1	V-4	2″	15	14	14	**12**	11	9
OSP-12/2(P4)60(4X6)	1.5	2	2	V-4	2″	30	29	27	**24**	22	17
OSP-12/3(P4)60(4X6)	2.2	3	3	V-4	2″	45	43	41	**37**	32	26
OSP-12/4(P4)60(6X6)	3	4	4	V-6	2″	60	58	55	**49**	43	35
OSP-12/5(P4)60(6X6)	3.7	5	5	V-6	2″	76	72	68	**61**	54	43
OSP-12/6(P4)60(6X6)	4.5	6	6	V-6	2″	91	87	82	**73**	65	52
OSP-12/7(P4)60(6X6)	5.5	7.5	7	V-6	2″	106	101	96	**86**	76	60
OSP-12/8(P4)60(6X6)	5.5	7.5	8	V-6	2″	121	116	109	**98**	86	69
OSP-12/9(P4)60(6X6)	7.5	10	9	V-6	2″	136	130	123	**110**	97	78
OSP-12/10(P4)60(6X6)	7.5	10	10	V-6	2″	151	144	137	**122**	108	86
OSP-12/11(P4)60(6X6)	7.5	10	11	V-6	2″	166	159	150	**135**	119	95
OSP-12/12(P4)60(6X6)	9.3	12.5	12	V-6	2″	181	173	164	**147**	130	104
OSP-12/13(P4)60(6X6)	9.3	12.5	13	V-6	2″	197	188	178	**159**	140	112
OSP-12/14(P4)60(6X6)	11	15	14	V-6	2″	212	202	192	**171**	151	121
OSP-12/15(P4)60(6X6)	11	15	15	V-6	2″	227	217	205	**184**	162	130
OSP-12/16(P4)60(6X6)	11	15	16	V-6	2″	242	231	219	**196**	173	138
OSP-12/17(P4)60(6X6)	13	17.5	17	V-6	2″	257	245	233	**208**	184	147
OSP-12/18(P4)60(6X6)	13	17.5	18	V-6	2″	272	260	246	**220**	194	156
OSP-12/19(P4)60(6X6)	13	17.5	19	V-6	2″	287	274	260	**233**	205	164
OSP-12/20(P4)60(6X6)	15	20	20	V-6	2″	302	289	274	**245**	216	173
OSP-12/21(P4)60(6X6)	15	20	21	V-6	2″	318	303	287	**257**	227	181
OSP-12/22(P4)60(6X6)	15	20	22	V-6	2″	333	318	301	**269**	238	190
OSP-12/23(P4)60(6X6)	18.5	25	23	V-6	2″	348	332	315	**282**	248	199
OSP-12/24(P4)60(6X6)	18.5	25	24	V-6	2″	363	347	328	**294**	259	207
OSP-12/25(P4)60(6X6)	18.5	25	25	V-6	2″	378	361	342	**306**	270	216
OSP-12/26(P4)60(6X6)	18.5	25	26	V-6	2″	393	375	356	**318**	281	225
OSP-12/27(P4)60(6X6)	22	30	27	V-6	2″	408	390	369	**330**	292	233
OSP-12/28(P4)60(6X6)	22	30	28	V-6	2″	423	404	383	**343**	302	242
OSP-12/29(P4)60(6X6)	22	30	29	V-6	2″	438	419	397	**355**	313	251
OSP-12/30(P4)60(6X6)	22	30	30	V-6	2″	454	433	410	**367**	324	259
OSP-12/31(P4)60(6X6)	22	30	31	V-6	2″	469	448	424	**379**	335	268
OSP-12/32(P4)60(6X6)	22	30	32	V-6	2″	484	462	438	**392**	346	276

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 4 to 11 stages also available with 4″ motor joining (4X6).

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)60(4X6)	1	V-4	0.75	336	131	–	5.6	97
OSP-12/2(P4)60(4X6)	2	V-4	1.5	397	131	–	6.8	97
OSP-12/3(P4)60(4X6)	3	V-4	2.2	458	131	–	8.1	97
OSP-12/4(P4)60(6X6)	4	V-6	3	519	143	145	10.5	146
OSP-12/5(P4)60(6X6)	5	V-6	3.7	580	143	145	11.7	146
OSP-12/6(P4)60(6X6)	6	V-6	4.5	641	143	145	13.0	146
OSP-12/7(P4)60(6X6)	7	V-6	5.5	702	143	145	14.2	146
OSP-12/8(P4)60(6X6)	8	V-6	5.5	763	143	145	15.5	146
OSP-12/9(P4)60(6X6)	9	V-6	7.5	824	143	145	16.8	146
OSP-12/10(P4)60(6X6)	10	V-6	7.5	885	143	145	18.0	146
OSP-12/11(P4)60(6X6)	11	V-6	7.5	946	143	145	19.3	146
OSP-12/12(P4)60(6X6)	12	V-6	9.3	1007	143	145	20.5	146
OSP-12/13(P4)60(6X6)	13	V-6	9.3	1068	143	145	21.8	146
OSP-12/14(P4)60(6X6)	14	V-6	11	1129	143	145	23.1	146
OSP-12/15(P4)60(6X6)	15	V-6	11	1190	143	145	24.3	146
OSP-12/16(P4)60(6X6)	16	V-6	11	1251	143	145	25.6	146
OSP-12/17(P4)60(6X6)	17	V-6	13	1312	143	145	26.9	146
OSP-12/18(P4)60(6X6)	18	V-6	13	1373	143	145	28.1	146
OSP-12/19(P4)60(6X6)	19	V-6	13	1434	143	145	29.4	146
OSP-12/20(P4)60(6X6)	20	V-6	15	1495	143	145	30.6	146
OSP-12/21(P4)60(6X6)	21	V-6	15	1556	143	145	31.9	146
OSP-12/22(P4)60(6X6)	22	V-6	15	1617	143	145	33.2	146
OSP-12/23(P4)60(6X6)	23	V-6	18.5	1678	143	145	34.4	146
OSP-12/24(P4)60(6X6)	24	V-6	18.5	1739	143	145	35.7	146
OSP-12/25(P4)60(6X6)	25	V-6	18.5	1800	143	145	36.9	146
OSP-12/26(P4)60(6X6)	26	V-6	18.5	1861	143	145	38.2	146
OSP-12/27(P4)60(6X6)	27	V-6	22	1922	143	145	39.5	146
OSP-12/28(P4)60(6X6)	28	V-6	22	1983	143	145	40.7	146
OSP-12/29(P4)60(6X6)	29	V-6	22	2044	143	145	42.0	146
OSP-12/30(P4)60(6X6)	30	V-6	22	2105	143	145	43.2	146
OSP-12/31(P4)60(6X6)	31	V-6	22	2166	143	145	44.5	146
OSP-12/32(P4)60(6X6)	32	V-6	22	2227	143	145	45.8	146

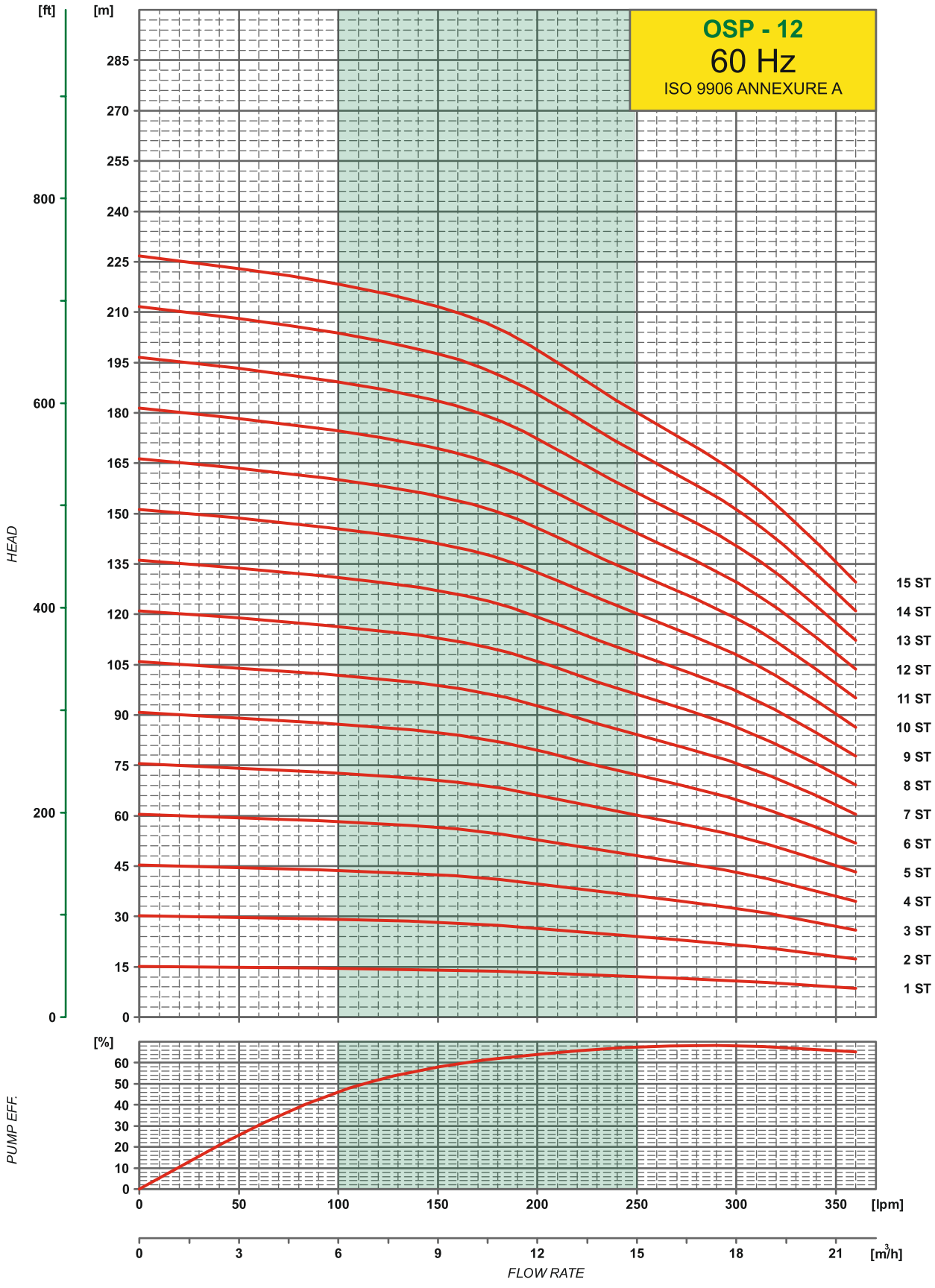


Dimensions A–E, Rp

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

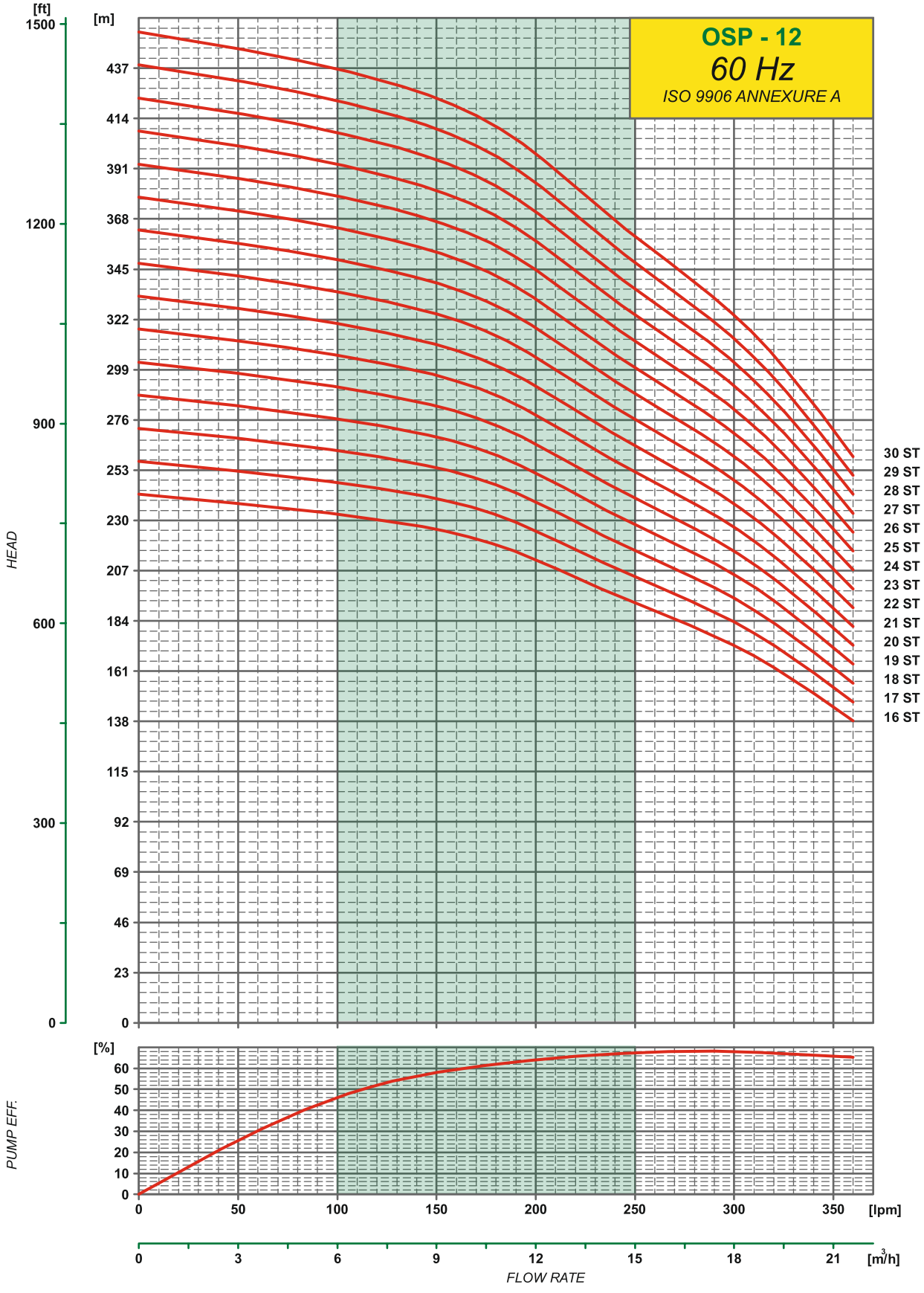
OSP-12 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



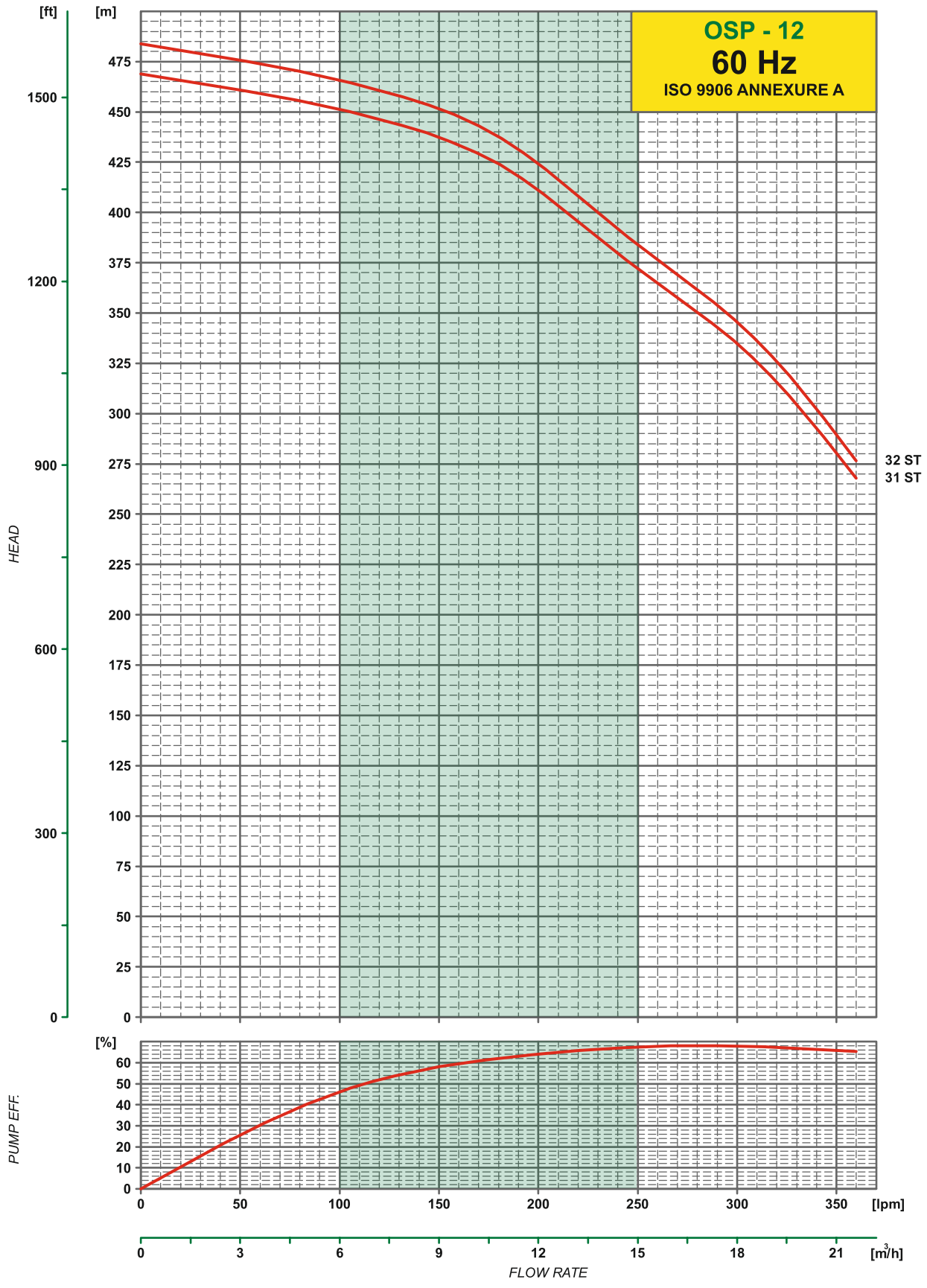
OSP-12 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



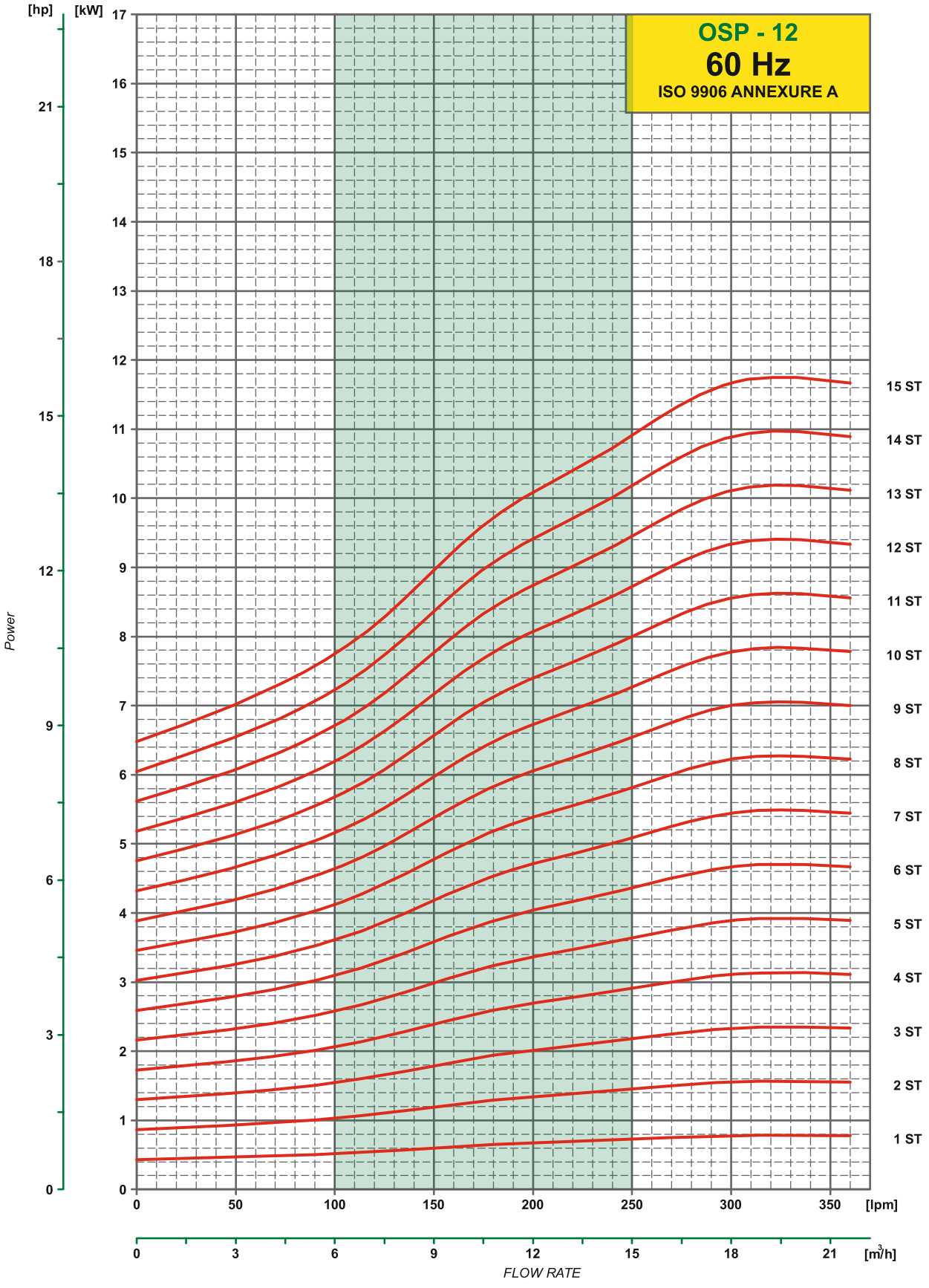
OSP-12 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



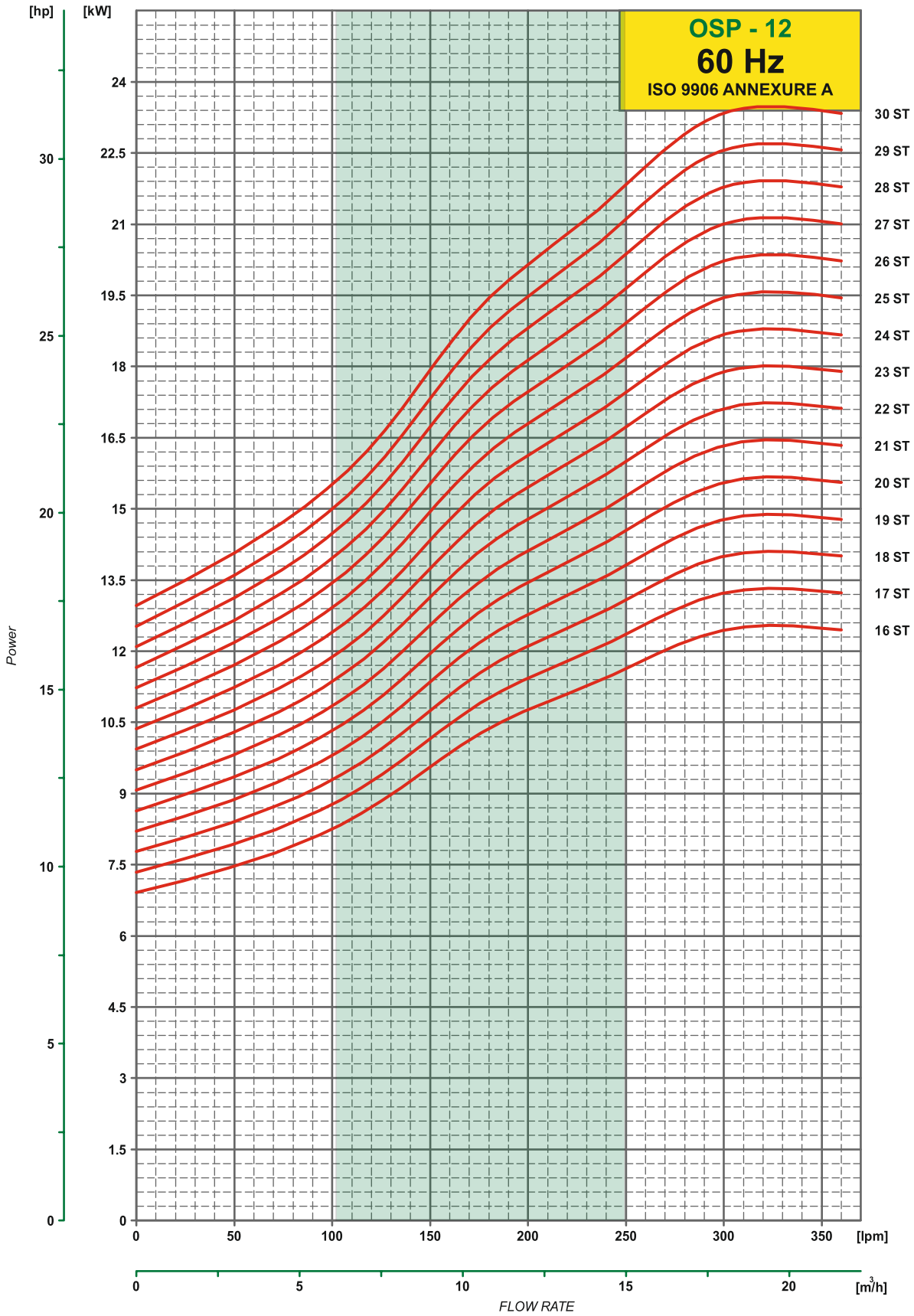
OSP-12 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



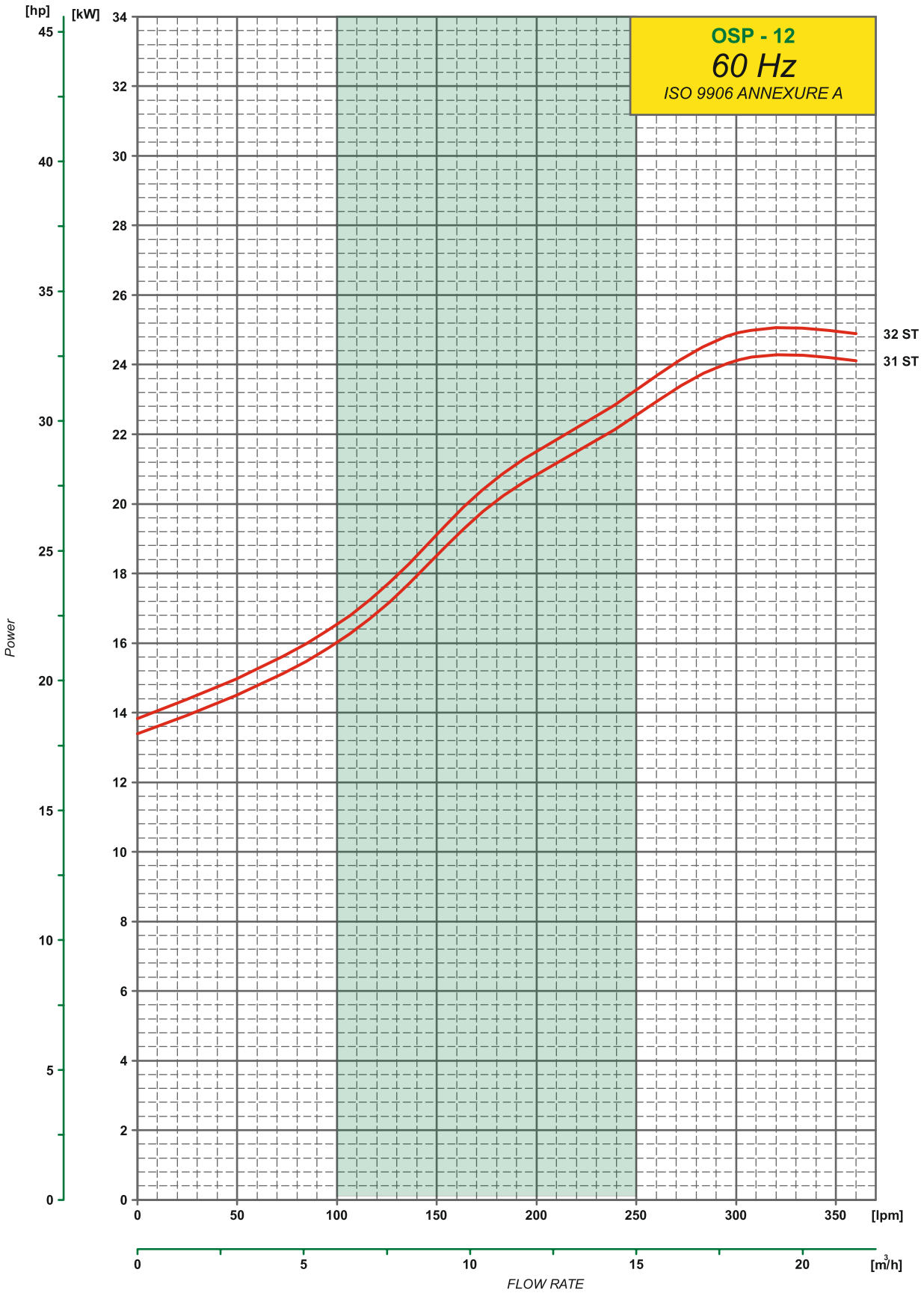
OSP-12 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-12 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



6″ · MIXED FLOW

OSP-17

Performance table

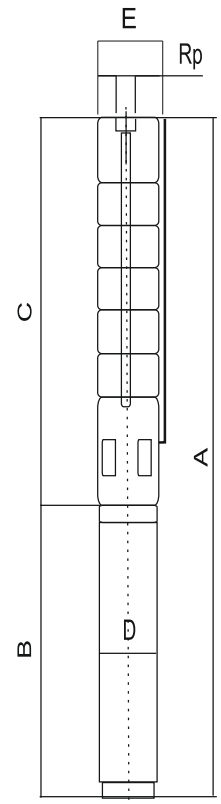
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
18 m³/h	7.2–25.2 m³/h	677 m	1.1–37 kW	2½″	34

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	7.2	14.4	18	21.6	25.2
						0 L/min	120	240	300	360	420
						0 US gpm	31.7	63.4	79.2	95.1	110.9
						0 Imp. gpm	26.4	52.8	66.0	79.2	92.4
OSP-17/1(P4)60(4X6)	1.1	1.5	1	V-4	2½″	16	16	14	**13**	11	8
OSP-17/2(P4)60(4X6)	2.2	3	2	V-4	2½″	32	32	28	**25**	21	16
OSP-17/3(P4)60(6X6)	3	4	3	V-6	2½″	48	48	42	**38**	32	25
OSP-17/4(P4)60(6X6)	4.5	6	4	V-6	2½″	64	63	56	**51**	43	33
OSP-17/5(P4)60(6X6)	5.5	7.5	5	V-6	2½″	81	79	71	**63**	53	41
OSP-17/6(P4)60(6X6)	5.5	7.5	6	V-6	2½″	97	95	85	**76**	64	49
OSP-17/7(P4)60(6X6)	7.5	10	7	V-6	2½″	113	111	99	**89**	75	57
OSP-17/8(P4)60(6X6)	7.5	10	8	V-6	2½″	129	127	113	**101**	85	66
OSP-17/9(P4)60(6X6)	7.5	10	9	V-6	2½″	145	143	127	**114**	96	74
OSP-17/10(P4)60(6X6)	9.3	12.5	10	V-6	2½″	161	158	141	**127**	107	82
OSP-17/11(P4)60(6X6)	9.3	12.5	11	V-6	2½″	177	174	155	**139**	117	90
OSP-17/12(P4)60(6X6)	11	15	12	V-6	2½″	193	190	169	**152**	128	98
OSP-17/13(P4)60(6X6)	11	15	13	V-6	2½″	210	206	183	**165**	138	107
OSP-17/14(P4)60(6X6)	13	17.5	14	V-6	2½″	226	222	198	**177**	149	115
OSP-17/15(P4)60(6X6)	13	17.5	15	V-6	2½″	242	238	212	**190**	160	123
OSP-17/16(P4)60(6X6)	15	20	16	V-6	2½″	258	253	226	**203**	170	131
OSP-17/17(P4)60(6X6)	15	20	17	V-6	2½″	274	269	240	**215**	181	139
OSP-17/18(P4)60(6X6)	15	20	18	V-6	2½″	290	285	254	**228**	192	148
OSP-17/19(P4)60(6X6)	18.5	25	19	V-6	2½″	306	301	268	**241**	202	156
OSP-17/20(P4)60(6X6)	18.5	25	20	V-6	2½″	322	317	282	**253**	213	164
OSP-17/21(P4)60(6X6)	18.5	25	21	V-6	2½″	339	333	296	**266**	224	172
OSP-17/22(P4)60(6X6)	18.5	25	22	V-6	2½″	355	348	310	**279**	234	180
OSP-17/23(P4)60(6X6)	22	30	23	V-6	2½″	371	364	325	**291**	245	189
OSP-17/24(P4)60(6X6)	22	30	24	V-6	2½″	387	380	339	**304**	256	197
OSP-17/25(P4)60(6X6)	22	30	25	V-6	2½″	403	396	353	**317**	266	205
OSP-17/26(P4)60(6X6)	22	30	26	V-6	2½″	419	412	367	**329**	277	213
OSP-17/27(P4)60(6X6)	26	35	27	V-6	2½″	435	428	381	**342**	288	221
OSP-17/28(P4)60(6X6)	26	35	28	V-6	2½″	451	444	395	**355**	298	230
OSP-17/29(P4)60(6X6)	26	35	29	V-6	2½″	467	459	409	**367**	309	238
OSP-17/30(P4)60(6X6)	26	35	30	V-6	2½″	484	475	423	**380**	320	246
OSP-17/33(P4)60(6X6)	30	40	33	V-6	2½″	532	523	466	**418**	351	271
OSP-17/36(P4)60(6X6)	30	40	36	V-6	2½″	580	570	508	**456**	383	295
OSP-17/39(P4)60(6X6)	37	50	39	V-6	2½″	629	618	550	**494**	415	320
OSP-17/42(P4)60(6X6)	37	50	42	V-6	2½″	677	665	593	**532**	447	344

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 3 to 9 stages also available with 4″ motor joining (4X6).

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)60(4X6)	1	V-4	1.1	336	131	–	5.6	97
OSP-17/2(P4)60(4X6)	2	V-4	2.2	397	131	–	6.8	97
OSP-17/3(P4)60(6X6)	3	V-6	3	458	131	145	9.2	146
OSP-17/4(P4)60(6X6)	4	V-6	4.5	519	131	145	10.5	146
OSP-17/5(P4)60(6X6)	5	V-6	5.5	580	131	145	11.7	146
OSP-17/6(P4)60(6X6)	6	V-6	5.5	641	131	145	13.0	146
OSP-17/7(P4)60(6X6)	7	V-6	7.5	702	131	145	14.2	146
OSP-17/8(P4)60(6X6)	8	V-6	7.5	763	131	145	15.5	146
OSP-17/9(P4)60(6X6)	9	V-6	7.5	824	131	145	16.8	146
OSP-17/10(P4)60(6X6)	10	V-6	9.3	885	143	145	18.0	146
OSP-17/11(P4)60(6X6)	11	V-6	9.3	946	143	145	19.3	146
OSP-17/12(P4)60(6X6)	12	V-6	11	1007	143	145	20.5	146
OSP-17/13(P4)60(6X6)	13	V-6	11	1068	143	145	21.8	146
OSP-17/14(P4)60(6X6)	14	V-6	13	1129	143	145	23.1	146
OSP-17/15(P4)60(6X6)	15	V-6	13	1190	143	145	24.3	146
OSP-17/16(P4)60(6X6)	16	V-6	15	1251	143	145	25.6	146
OSP-17/17(P4)60(6X6)	17	V-6	15	1312	143	145	26.9	146
OSP-17/18(P4)60(6X6)	18	V-6	15	1373	143	145	28.1	146
OSP-17/19(P4)60(6X6)	19	V-6	18.5	1434	143	145	29.4	146
OSP-17/20(P4)60(6X6)	20	V-6	18.5	1495	143	145	30.6	146
OSP-17/21(P4)60(6X6)	21	V-6	18.5	1556	143	145	31.9	146
OSP-17/22(P4)60(6X6)	22	V-6	18.5	1617	143	145	33.2	146
OSP-17/23(P4)60(6X6)	23	V-6	22	1678	143	145	34.4	146
OSP-17/24(P4)60(6X6)	24	V-6	22	1739	143	145	35.7	146
OSP-17/25(P4)60(6X6)	25	V-6	22	1800	143	145	36.9	146
OSP-17/26(P4)60(6X6)	26	V-6	22	1861	143	145	38.2	146
OSP-17/27(P4)60(6X6)	27	V-6	26	1922	143	145	39.5	146
OSP-17/28(P4)60(6X6)	28	V-6	26	1983	143	145	40.7	146
OSP-17/29(P4)60(6X6)	29	V-6	26	2044	143	145	42.0	146
OSP-17/30(P4)60(6X6)	30	V-6	26	2105	143	145	43.2	146
OSP-17/33(P4)60(6X6)	33	V-6	30	2288	143	145	47.0	146
OSP-17/36(P4)60(6X6)	36	V-6	30	2471	143	145	50.8	146
OSP-17/39(P4)60(6X6)	39	V-6	37	2654	143	145	54.6	146
OSP-17/42(P4)60(6X6)	42	V-6	37	2837	143	145	58.4	146

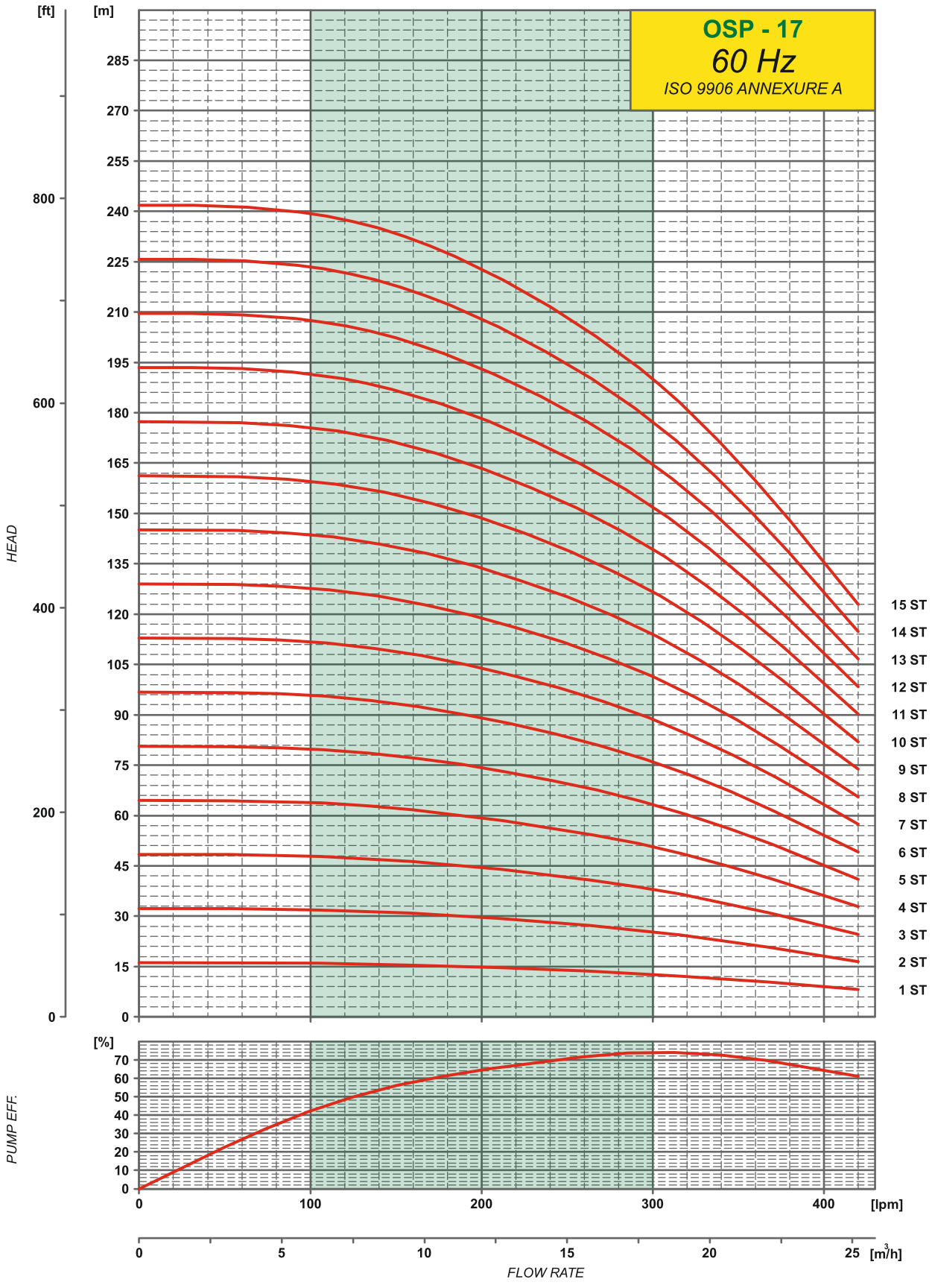


Dimensions A–E, Rp

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

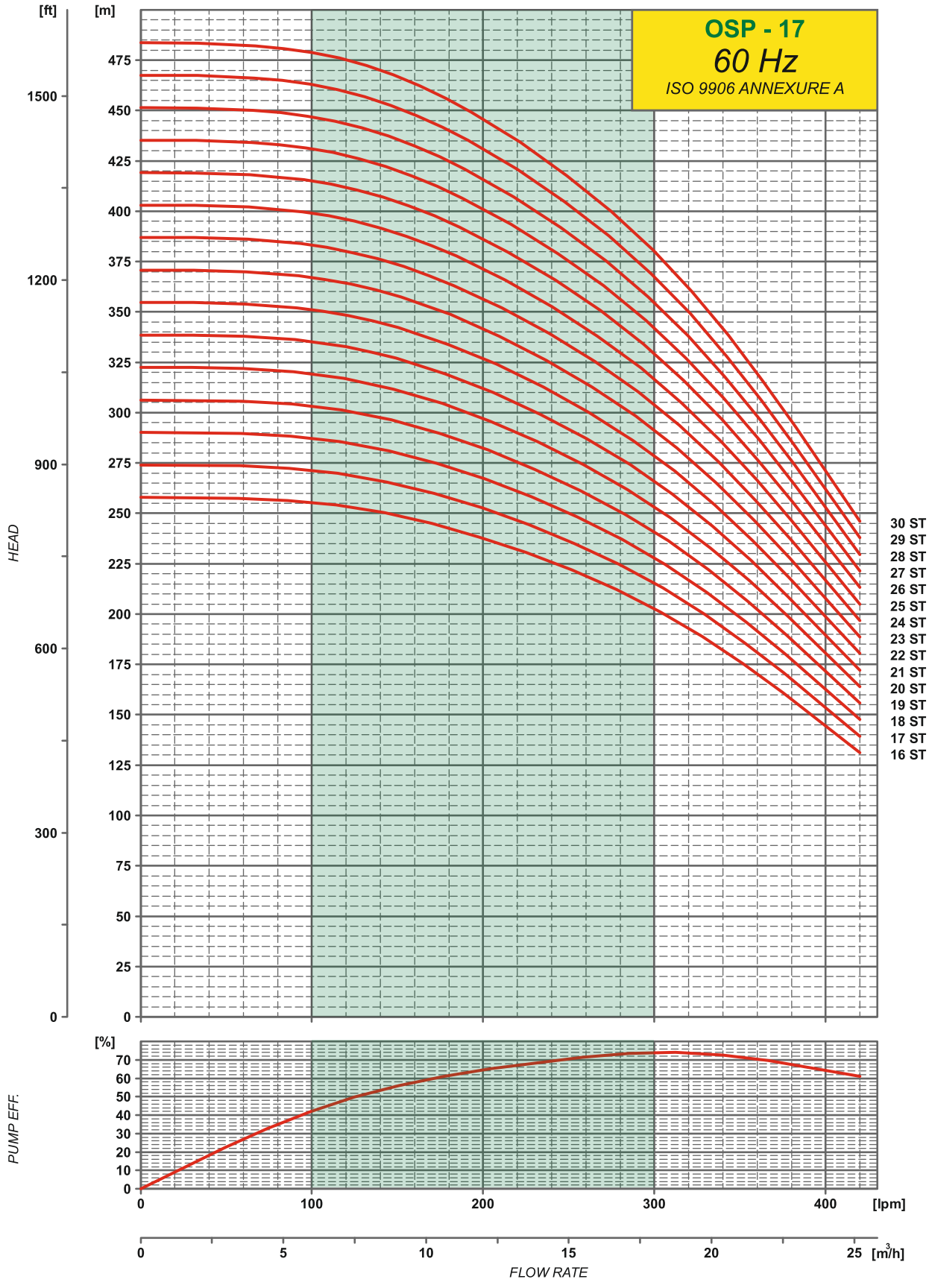
OSP-17 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



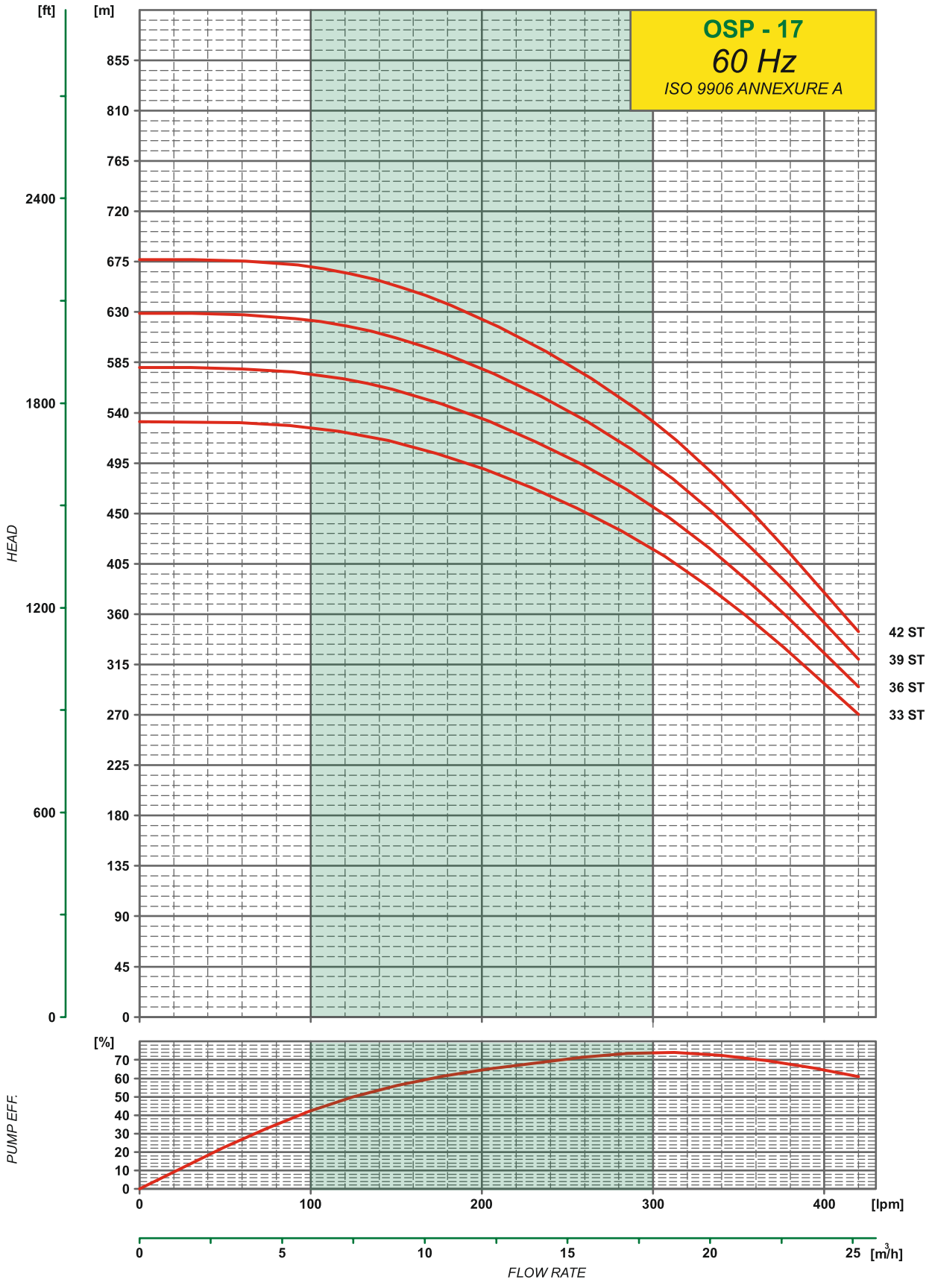
OSP-17 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



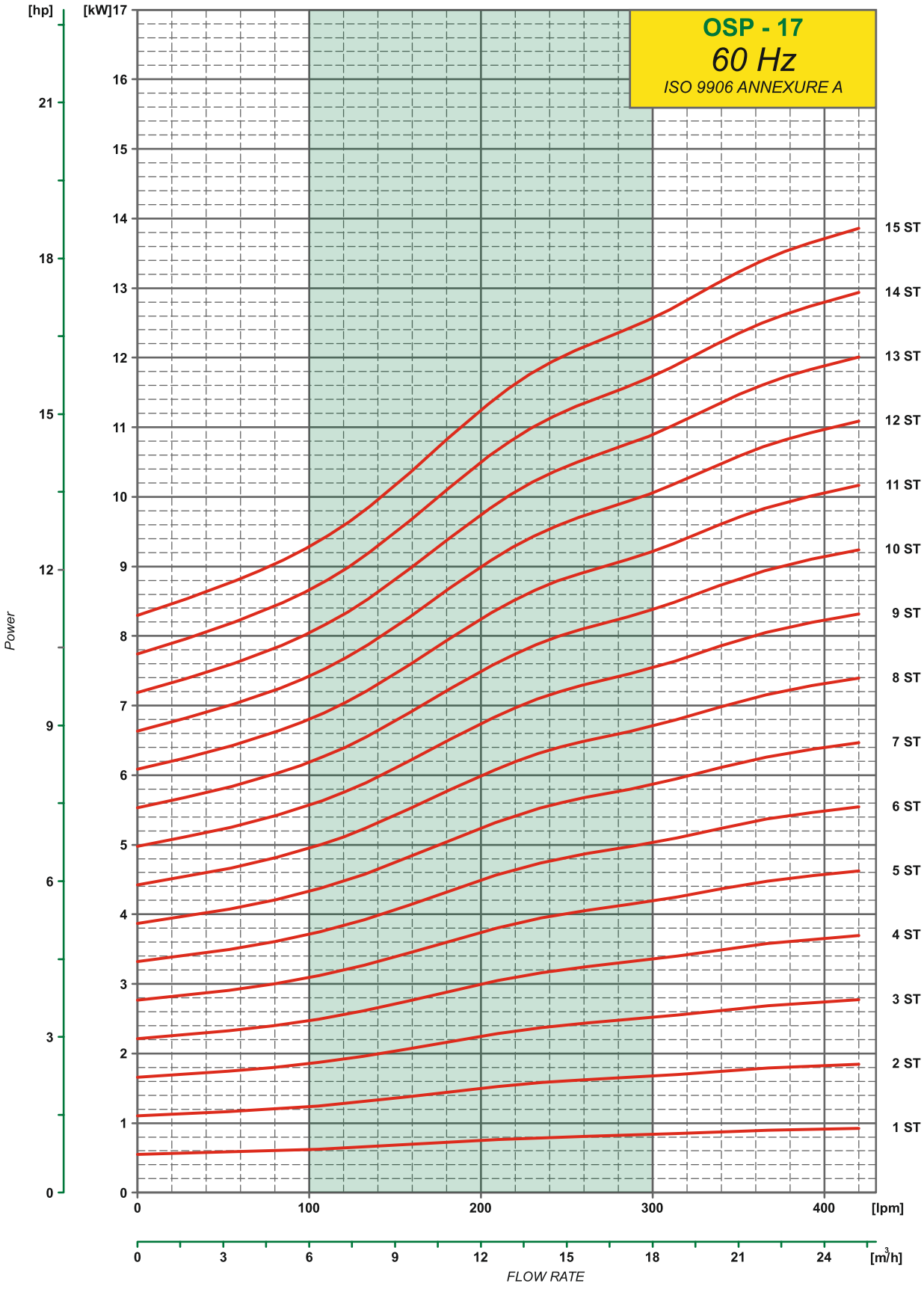
OSP-17 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



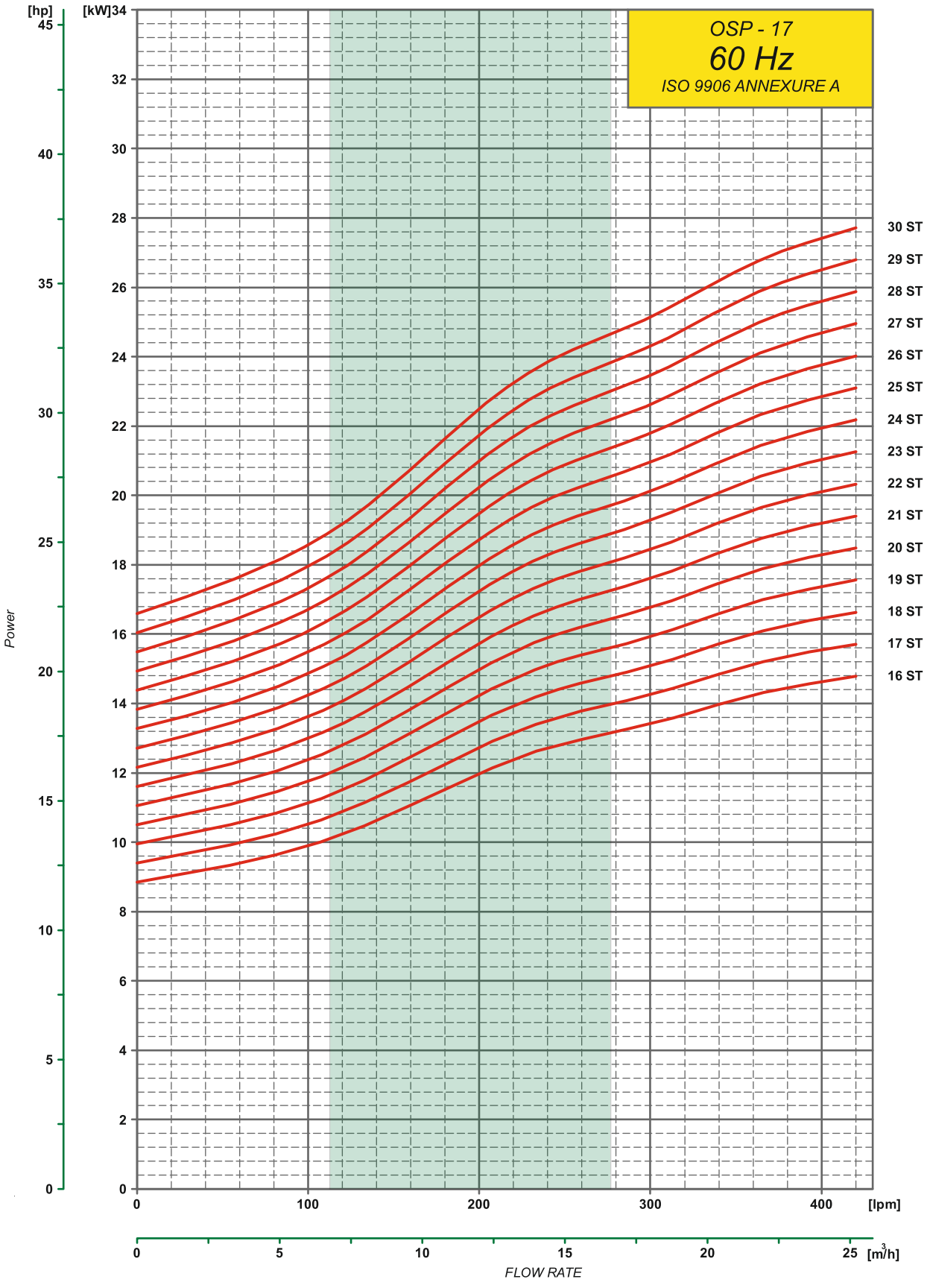
OSP-17 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



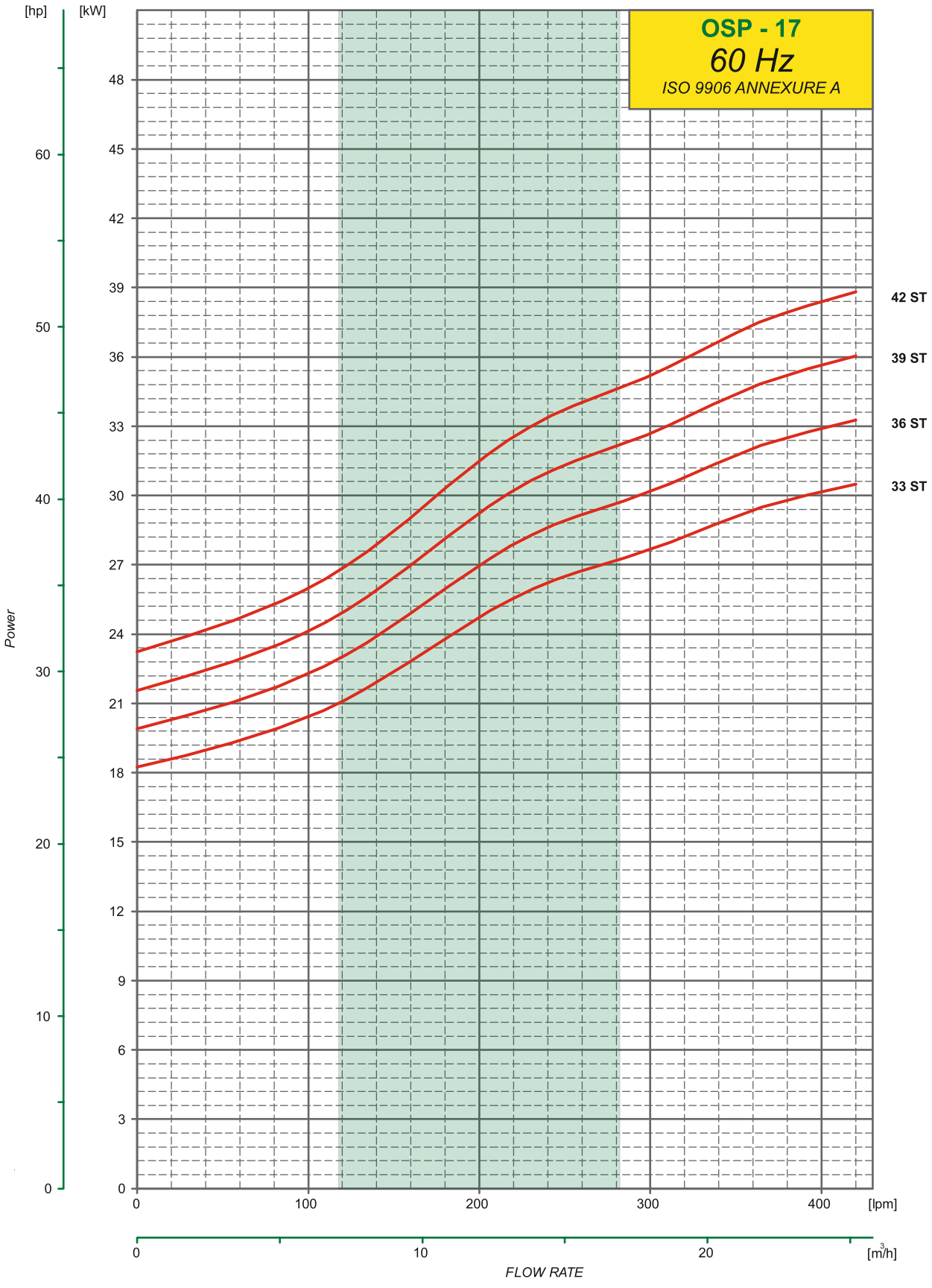
OSP-17 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-17 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



6″ · MIXED FLOW

OSP-30

Performance table

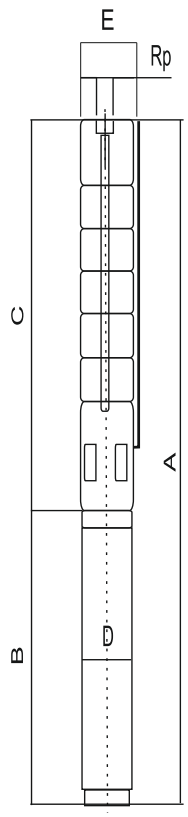
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
36 m³/h	14.4–46.8 m³/h	508 m	1.5–45 kW	3″	30

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	14.4	28.8	36	43.2	46.8
						0 L/min	240	480	600	720	780
						0 US gpm	63.4	126.8	158.5	190.2	206.0
						0 Imp. gpm	52.8	105.6	132.0	158.4	171.6
OSP-30/1(P4)60(4X6)	1.5	2	1	V-4	3″	16	15	13	**11**	8	6
OSP-30/2(P4)60(4X6)	3	4	2	V-4	3″	33	30	25	**22**	15	12
OSP-30/3(P4)60(6X6)	4.5	6	3	V-6	3″	49	46	38	**32**	23	18
OSP-30/4(P4)60(6X6)	5.5	7.5	4	V-6	3″	66	61	50	**43**	31	24
OSP-30/5(P4)60(6X6)	7.5	10	5	V-6	3″	82	76	63	**54**	39	30
OSP-30/6(P4)60(6X6)	9.3	12.5	6	V-6	3″	98	91	76	**65**	46	36
OSP-30/7(P4)60(6X6)	9.3	12.5	7	V-6	3″	115	106	88	**76**	54	42
OSP-30/8(P4)60(6X6)	11	15	8	V-6	3″	131	122	101	**86**	62	48
OSP-30/9(P4)60(6X6)	13	17.5	9	V-6	3″	148	137	113	**97**	69	54
OSP-30/10(P4)60(6X6)	13	17.5	10	V-6	3″	164	152	126	**108**	77	60
OSP-30/11(P4)60(6X6)	15	20	11	V-6	3″	180	167	139	**119**	85	66
OSP-30/12(P4)60(6X6)	18.5	25	12	V-6	3″	197	182	151	**130**	92	72
OSP-30/13(P4)60(6X6)	18.5	25	13	V-6	3″	213	198	164	**140**	100	78
OSP-30/14(P4)60(6X6)	18.5	25	14	V-6	3″	230	213	176	**151**	108	84
OSP-30/15(P4)60(6X6)	22	30	15	V-6	3″	246	228	189	**162**	116	90
OSP-30/16(P4)60(6X6)	22	30	16	V-6	3″	262	243	202	**173**	123	96
OSP-30/17(P4)60(6X6)	22	30	17	V-6	3″	279	258	214	**184**	131	102
OSP-30/18(P4)60(6X6)	26	35	18	V-6	3″	295	274	227	**194**	139	108
OSP-30/19(P4)60(6X6)	26	35	19	V-6	3″	312	289	239	**205**	146	114
OSP-30/20(P4)60(6X6)	26	35	20	V-6	3″	328	304	252	**216**	154	120
OSP-30/21(P4)60(6X6)	30	40	21	V-6	3″	344	319	265	**227**	162	126
OSP-30/22(P4)60(6X6)	30	40	22	V-6	3″	361	334	277	**238**	169	132
OSP-30/23(P4)60(6X6)	30	40	23	V-6	3″	377	350	290	**248**	177	138
OSP-30/24(P4)60(6X6)	37	50	24	V-6	3″	394	365	302	**259**	185	144
OSP-30/25(P4)60(6X6)	37	50	25	V-6	3″	410	380	315	**270**	193	150
OSP-30/26(P4)60(6X6)	37	50	26	V-6	3″	426	395	328	**281**	200	156
OSP-30/27(P4)60(6X6)	37	50	27	V-6	3″	443	410	340	**292**	208	162
OSP-30/28(P4)60(6X6)	37	50	28	V-6	3″	459	426	353	**302**	216	168
OSP-30/29(P4)60(8X6)	45	60	29	V-8	3″	476	441	365	**313**	223	174
OSP-30/31(P4)60(8X6)	45	60	31	V-8	3″	508	471	391	**335**	239	186

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 2 to 5 stages also available with 4″ motor joining (4X6).

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)60(4X6)	1	V-4	1.5	371	131	–	6.7	97
OSP-30/2(P4)60(6X6)	2	V-6	3	467	131	–	9.8	146
OSP-30/3(P4)60(6X6)	3	V-6	4.5	563	131	–	11.7	146
OSP-30/4(P4)60(6X6)	4	V-6	5.5	659	131	–	13.7	146
OSP-30/5(P4)60(6X6)	5	V-6	7.5	755	131	–	15.7	146
OSP-30/4(P4)60(6X6)	4	V-6	5.5	659	143	145	13.7	146
OSP-30/5(P4)60(6X6)	5	V-6	7.5	755	143	145	15.7	146
OSP-30/6(P4)60(6X6)	6	V-6	9.3	851	143	145	17.6	146
OSP-30/7(P4)60(6X6)	7	V-6	9.3	947	143	145	19.6	146
OSP-30/8(P4)60(6X6)	8	V-6	11	1043	143	145	21.6	146
OSP-30/9(P4)60(6X6)	9	V-6	13	1139	143	145	23.6	146
OSP-30/10(P4)60(6X6)	10	V-6	13	1235	143	145	25.5	146
OSP-30/11(P4)60(6X6)	11	V-6	15	1331	143	145	27.5	146
OSP-30/12(P4)60(6X6)	12	V-6	18.5	1427	143	145	29.5	146
OSP-30/13(P4)60(6X6)	13	V-6	18.5	1523	143	145	31.5	146
OSP-30/14(P4)60(6X6)	14	V-6	18.5	1619	143	145	33.4	146
OSP-30/15(P4)60(6X6)	15	V-6	22	1715	143	145	35.4	146
OSP-30/16(P4)60(6X6)	16	V-6	22	1811	143	145	37.4	146
OSP-30/17(P4)60(6X6)	17	V-6	22	1907	143	145	39.4	146
OSP-30/18(P4)60(6X6)	18	V-6	26	2003	143	145	41.3	146
OSP-30/19(P4)60(6X6)	19	V-6	26	2099	143	145	43.3	146
OSP-30/20(P4)60(6X6)	20	V-6	26	2195	143	145	45.3	146
OSP-30/21(P4)60(6X6)	21	V-6	30	2291	143	145	47.2	146
OSP-30/22(P4)60(6X6)	22	V-6	30	2387	143	145	49.2	146
OSP-30/23(P4)60(6X6)	23	V-6	30	2483	143	145	51.2	146
OSP-30/24(P4)60(6X6)	24	V-6	37	2579	143	145	53.2	146
OSP-30/25(P4)60(6X6)	25	V-6	37	2675	143	145	55.1	146
OSP-30/26(P4)60(6X6)	26	V-6	37	2771	143	145	57.1	146
OSP-30/27(P4)60(6X6)	27	V-6	37	2867	143	145	59.1	146
OSP-30/28(P4)60(6X6)	28	V-6	37	2963	143	145	61.1	146
OSP-30/29(P4)60(8X6)	29	V-8	45	3099	188	188	66.0	189
OSP-30/31(P4)60(8X6)	31	V-8	45	3291	188	188	69.9	189

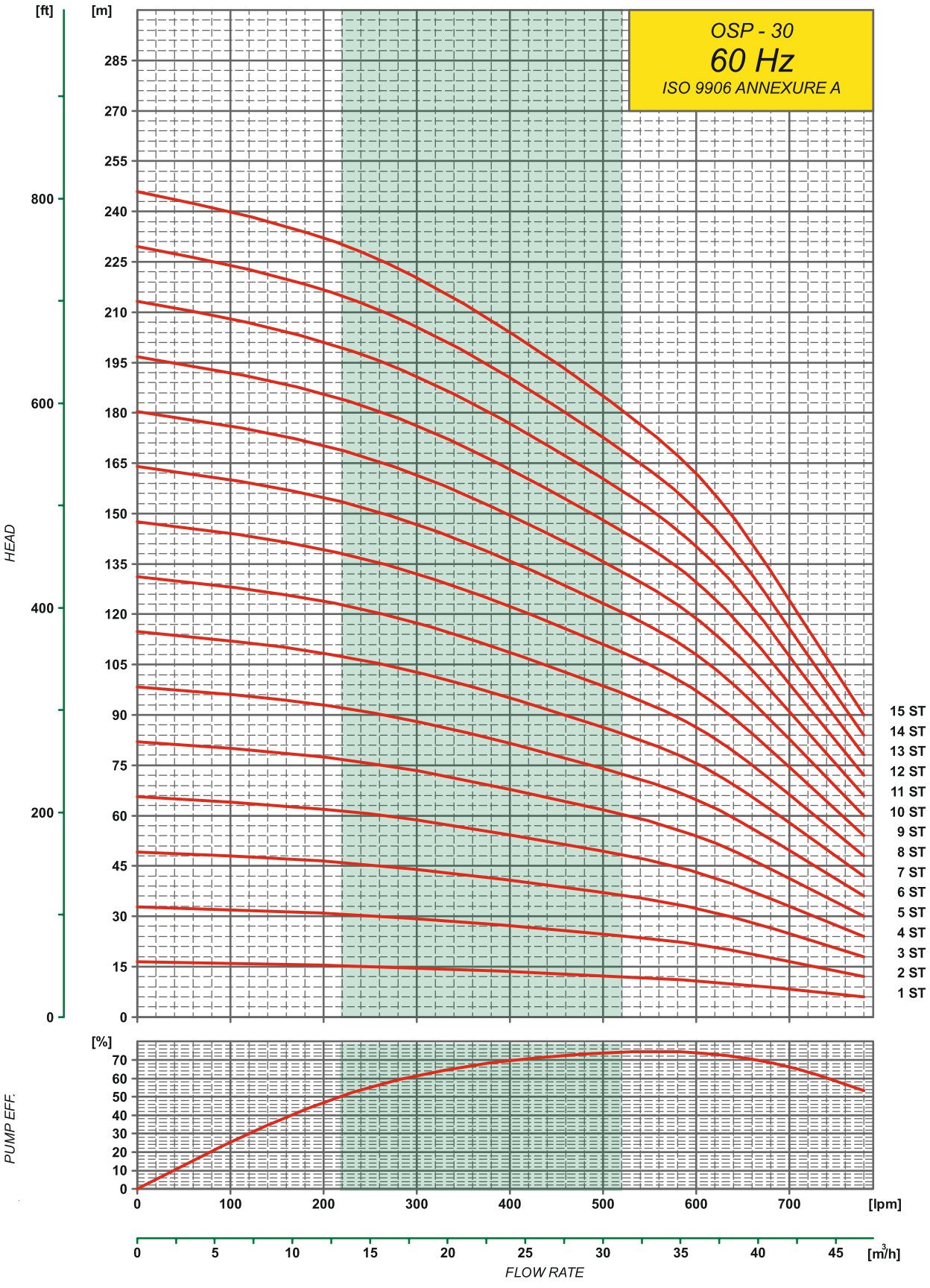


Dimensions A–E, Rp

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

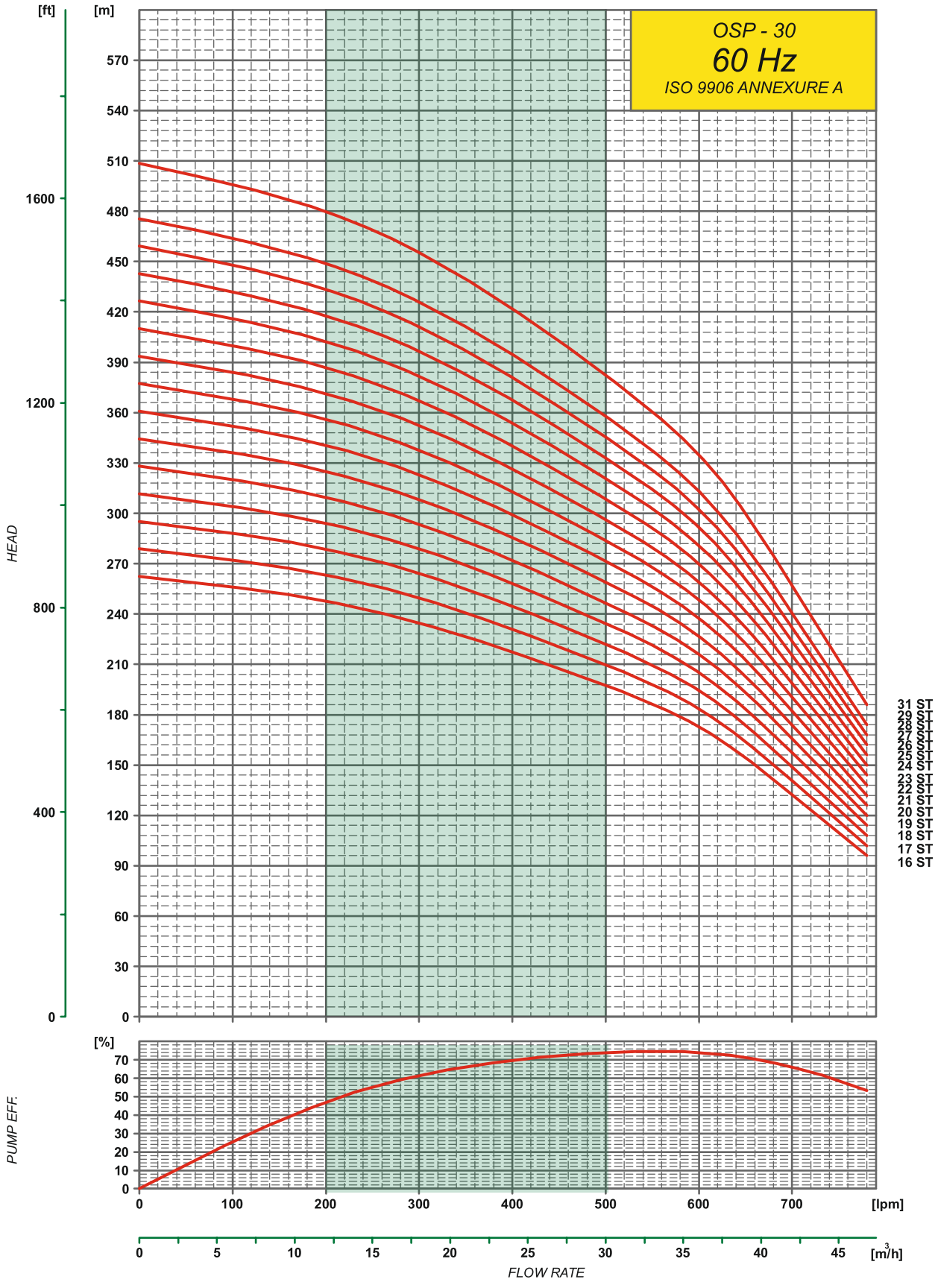
OSP-30 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



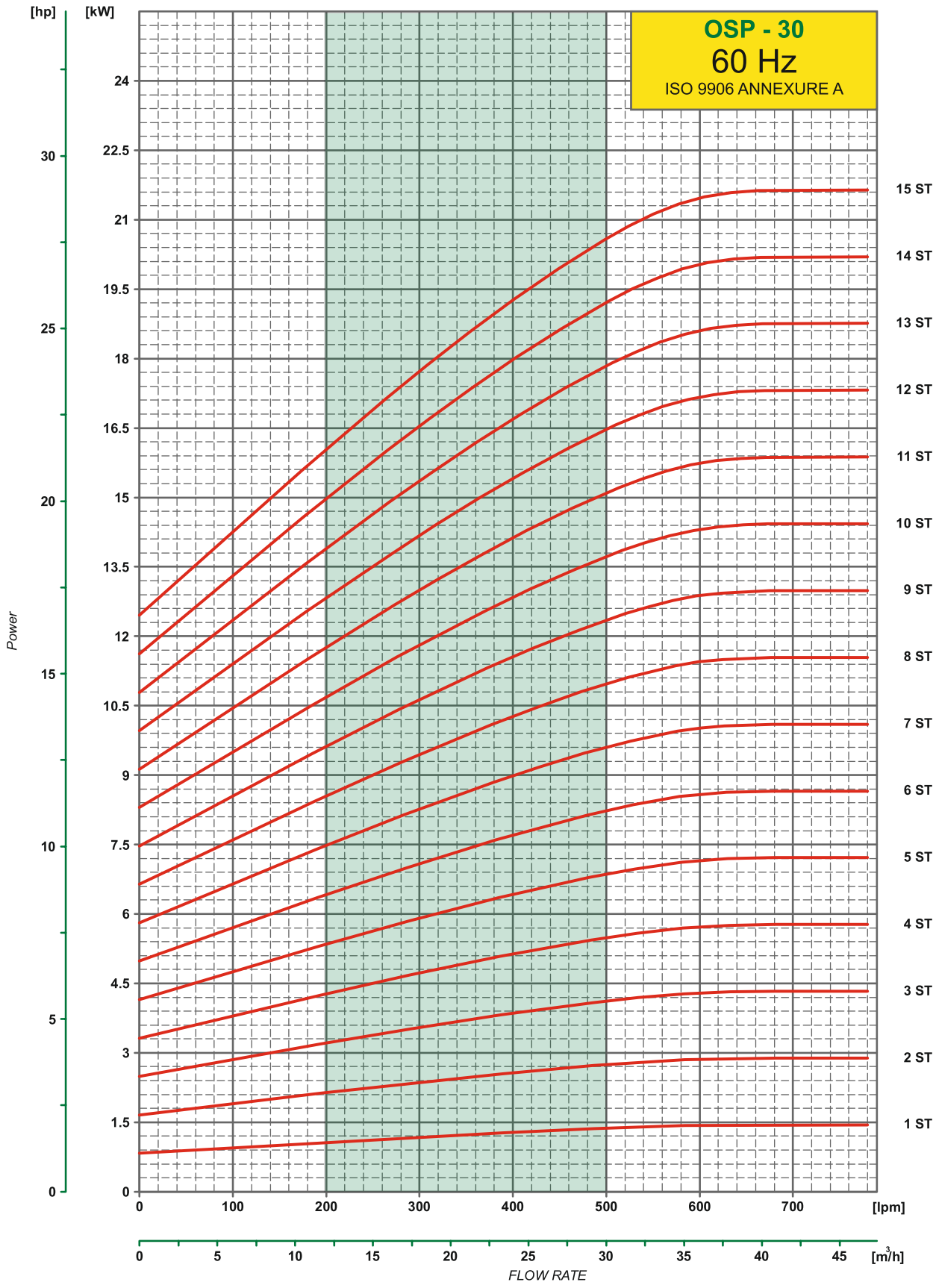
OSP-30 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



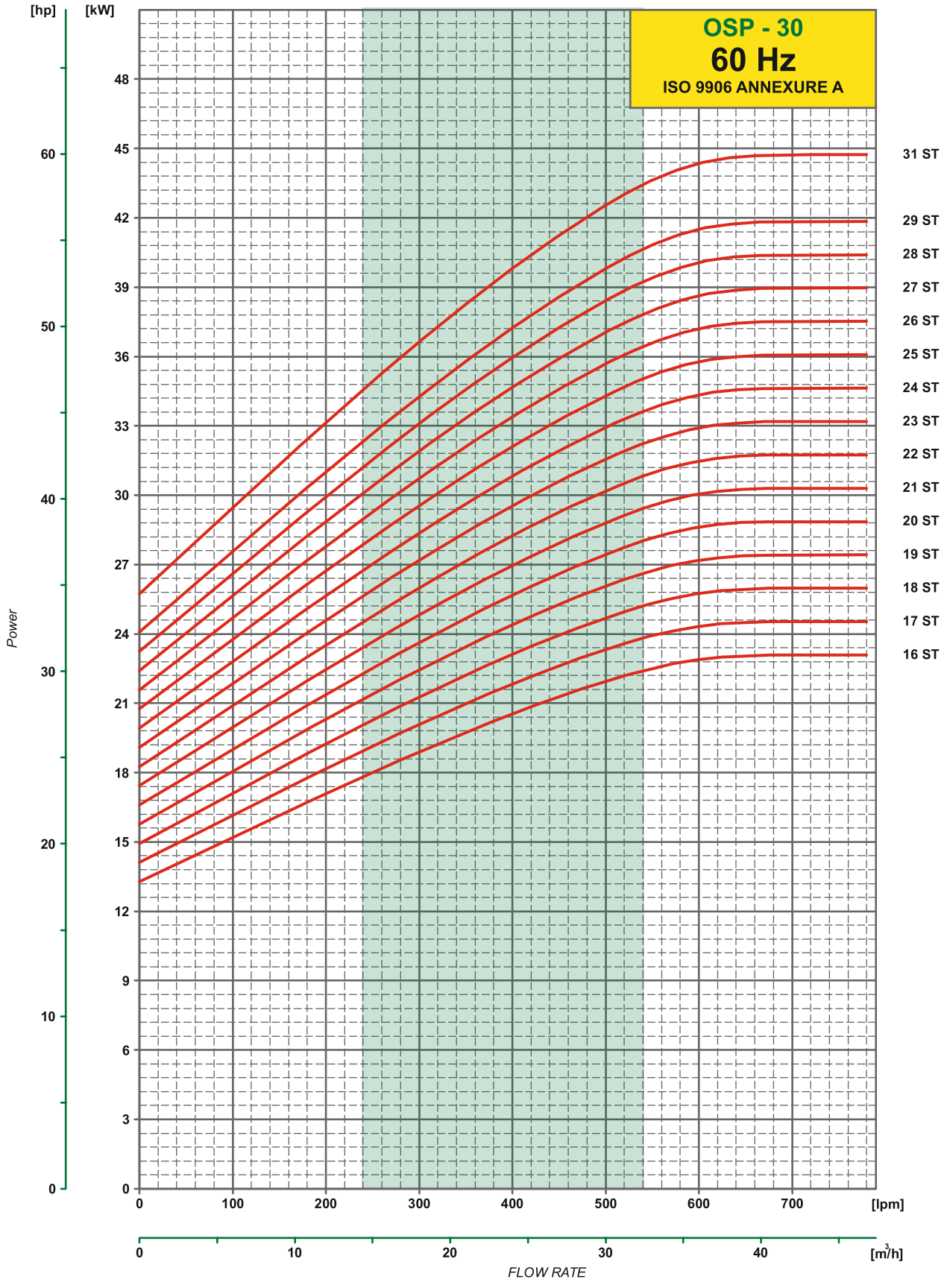
OSP-30 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-30 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 4



6″ · MIXED FLOW

OSP-46

Performance table

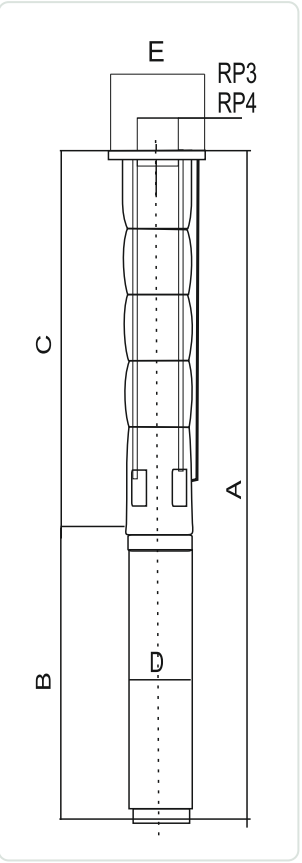
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
57.6 m³/h	28.8–72 m³/h	461 m	1.5–55 kW	4″	30

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	28.8	43.2	50.4	57.6	72
						0 L/min	480	720	840	960	1200
						0 US gpm	126.8	190.2	221.9	253.6	316.9
						0 Imp. gpm	105.6	158.4	184.8	211.2	264.0
OSP-46/1-B(P4)60(4X6)	1.5	2	1-B	V-4	4″	14	12	10	8	**6**	1
OSP-46/1-A(P4)60(4X6)	2.2	3	1-A	V-4	4″	16	14	12	10	**8**	3
OSP-46/1(P4)60(6X6)	3	4	1	V-6	4″	19.2	16.7	14.4	13	**11.6**	7.2
OSP-46/2-AB(P4)60(6X6)	3.7	5	2-AB	V-6	4″	29	25	22	18	**14**	4
OSP-46/2(P4)60(6X6)	5.5	7.5	2	V-6	4″	38	33	29	26	**23**	14
OSP-46/3-BB(P4)60(6X6)	5.5	7.5	3-BB	V-6	4″	46	40	34	29	**24**	8
OSP-46/3(P4)60(6X6)	7.5	10	3	V-6	4″	58	50	43	39	**35**	22
OSP-46/4-BC(P4)60(6X6)	7.5	10	4-BC	V-6	4″	54	54	47	40	**33**	7
OSP-46/4(P4)60(6X6)	9.3	12.5	4	V-6	4″	77	67	58	52	**46**	29
OSP-46/5-C(P4)60(6X6)	11	15	5-C	V-6	4″	90	77	64	57	**50**	24
OSP-46/5(P4)60(6X6)	13	17.5	5	V-6	4″	96	84	72	65	**58**	36
OSP-46/6-A(P4)60(6X6)	13	17.5	6-A	V-6	4″	110	97	83	73	**66**	34
OSP-46/6(P4)60(6X6)	15	20	6	V-6	4″	115	100	86	78	**70**	43
OSP-46/7-C(P4)60(6X6)	15	20	7-C	V-6	4″	127	110	94	85	**75**	37
OSP-46/7(P4)60(6X6)	18.5	25	7	V-6	4″	134	117	101	91	**81**	50
OSP-46/8(P4)60(6X6)	18.5	25	8	V-6	4″	154	134	115	104	**93**	58
OSP-46/9(P4)60(6X6)	22	30	9	V-6	4″	173	150	130	117	**104**	65
OSP-46/10(P4)60(6X6)	22	30	10	V-6	4″	192	167	144	130	**116**	72
OSP-46/11(P4)60(6X6)	26	35	11	V-6	4″	211	184	158	143	**128**	79
OSP-46/12(P4)60(6X6)	30	40	12	V-6	4″	230	200	173	156	**139**	86
OSP-46/13(P4)60(6X6)	30	40	13	V-6	4″	250	217	187	169	**151**	94
OSP-46/14(P4)60(6X6)	37	50	14	V-6	4″	269	234	202	182	**162**	101
OSP-46/15(P4)60(6X6)	37	50	15	V-6	4″	288	251	216	195	**174**	108
OSP-46/16(P4)60(6X6)	37	50	16	V-6	4″	307	267	230	208	**186**	115
OSP-46/17(P4)60(6X6)	37	50	17	V-6	4″	326	284	245	221	**197**	122
OSP-46/18(P4)60(8X6)	45	60	18	V-8	4″	346	301	259	234	**209**	130
OSP-46/19(P4)60(8X6)	45	60	19	V-8	4″	365	317	274	247	**220**	137
OSP-46/20(P4)60(8X6)	45	60	20	V-8	4″	384	334	288	260	**232**	144
OSP-46/22(P4)60(8X6)	55	75	22	V-8	4″	422	367	317	286	**255**	158
OSP-46/24(P4)60(8X6)	55	75	24	V-8	4″	461	401	346	312	**278**	173

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 1 to 4-BC stages also available with 4″ motor joining (4X6).

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)60(4X6)	1-B	V-4	1.5	393	145	–	7.5	97
OSP-46/1-A(P4)60(4X6)	1-A	V-4	2.2	393	145	–	7.5	97
OSP-46/1(P4)60(6X6)	1	V-6	3	393	145	152	8.6	146
OSP-46/2-AB(P4)60(6X6)	2-AB	V-6	3.7	506	145	152	10.9	146
OSP-46/2(P4)60(6X6)	2	V-6	5.5	506	145	152	10.9	146
OSP-46/3-BB(P4)60(6X6)	3-BB	V-6	5.5	619	145	152	13.3	146
OSP-46/3(P4)60(6X6)	3	V-6	7.5	619	145	152	13.3	146
OSP-46/4-BC(P4)60(6X6)	4-BC	V-6	7.5	732	145	152	15.7	146
OSP-46/4(P4)60(6X6)	4	V-6	9.3	732	147	152	15.7	146
OSP-46/5-C(P4)60(6X6)	5-C	V-6	11	845	147	152	18.0	146
OSP-46/5(P4)60(6X6)	5	V-6	13	845	147	152	18.0	146
OSP-46/6-A(P4)60(6X6)	6-A	V-6	13	958	147	152	20.4	146
OSP-46/6(P4)60(6X6)	6	V-6	15	958	147	152	20.4	146
OSP-46/7-C(P4)60(6X6)	7-C	V-6	15	1071	147	152	22.7	146
OSP-46/7(P4)60(6X6)	7	V-6	18.5	1071	147	152	22.7	146
OSP-46/8(P4)60(6X6)	8	V-6	18.5	1184	147	152	25.1	146
OSP-46/9(P4)60(6X6)	9	V-6	22	1297	147	152	27.4	146
OSP-46/10(P4)60(6X6)	10	V-6	22	1410	147	152	29.8	146
OSP-46/11(P4)60(6X6)	11	V-6	26	1523	147	152	32.1	146
OSP-46/12(P4)60(6X6)	12	V-6	30	1636	147	152	34.5	146
OSP-46/13(P4)60(6X6)	13	V-6	30	1749	147	152	36.9	146
OSP-46/14(P4)60(6X6)	14	V-6	37	1862	147	152	39.2	146
OSP-46/15(P4)60(6X6)	15	V-6	37	1975	147	152	41.6	146
OSP-46/16(P4)60(6X6)	16	V-6	37	2088	147	152	43.9	146
OSP-46/17(P4)60(6X6)	17	V-6	37	2201	147	152	46.3	146
OSP-46/18(P4)60(8X6)	18	V-8	45	2349	188	188	51.6	189
OSP-46/19(P4)60(8X6)	19	V-8	45	2462	188	188	54.0	189
OSP-46/20(P4)60(8X6)	20	V-8	45	2575	188	188	56.3	189
OSP-46/22(P4)60(8X6)	22	V-8	55	2801	188	188	61.0	189
OSP-46/24(P4)60(8X6)	24	V-8	55	3027	188	188	65.7	189

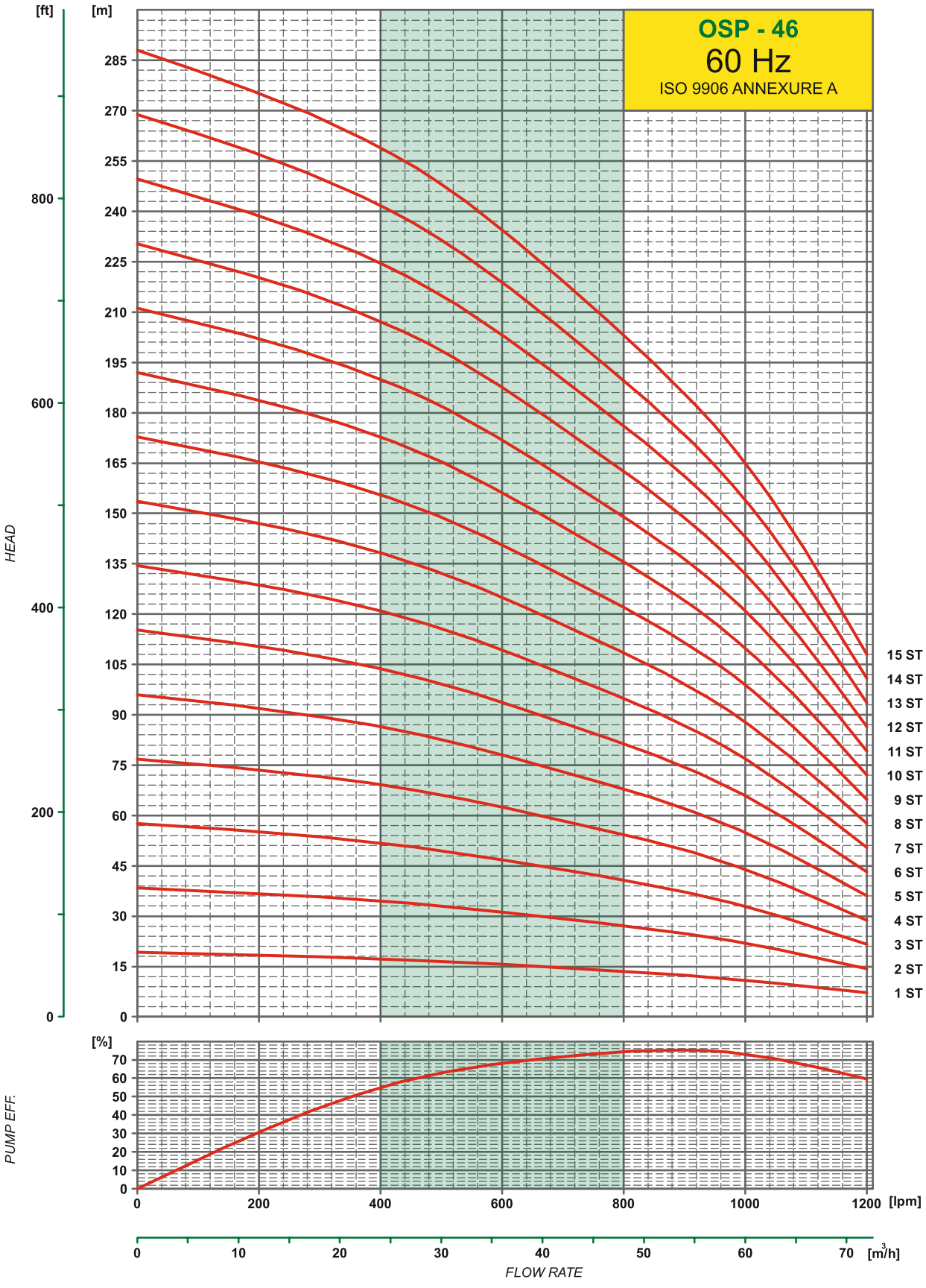


Dimensions A–E, Rp

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

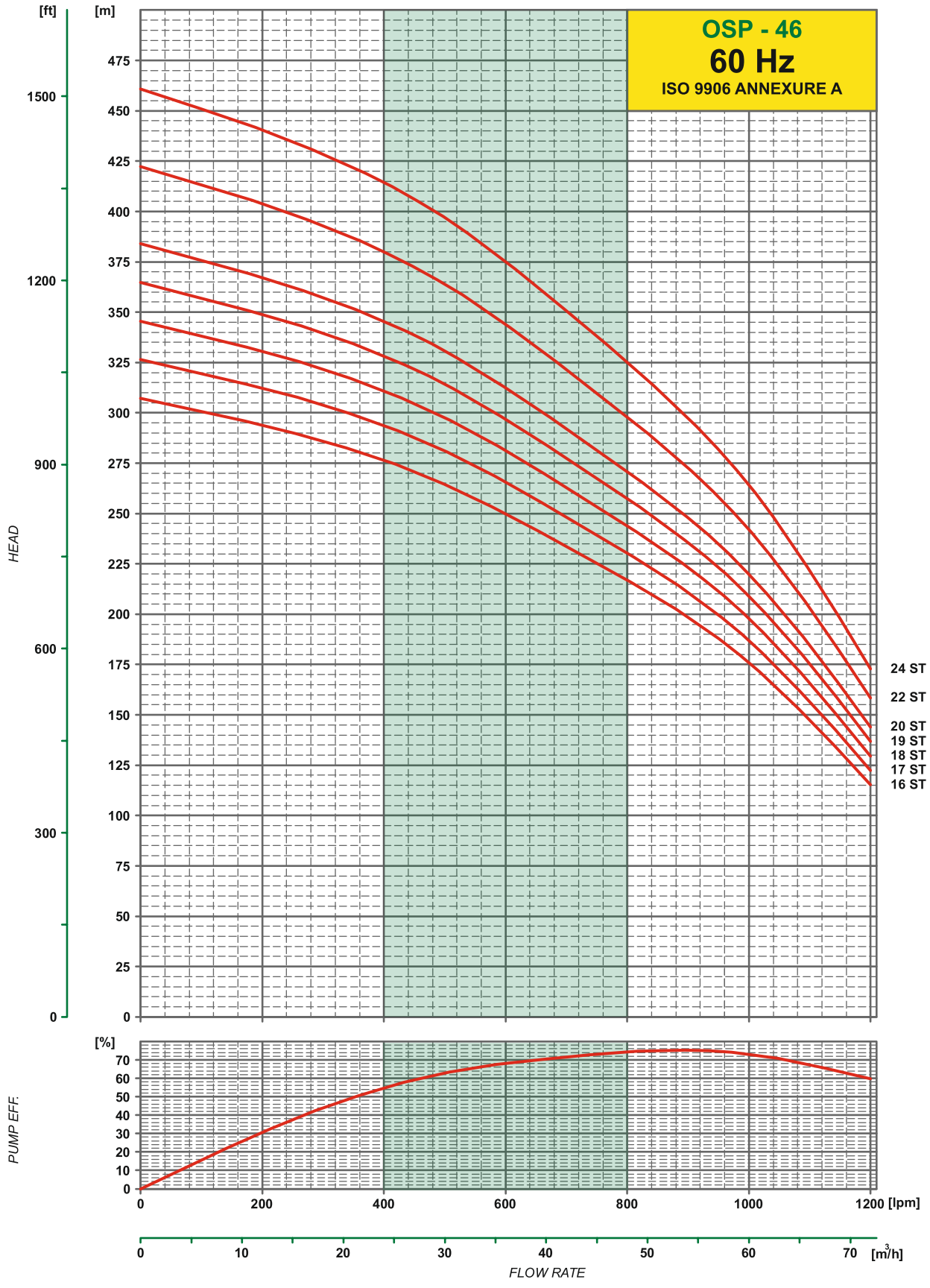
OSP-46 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



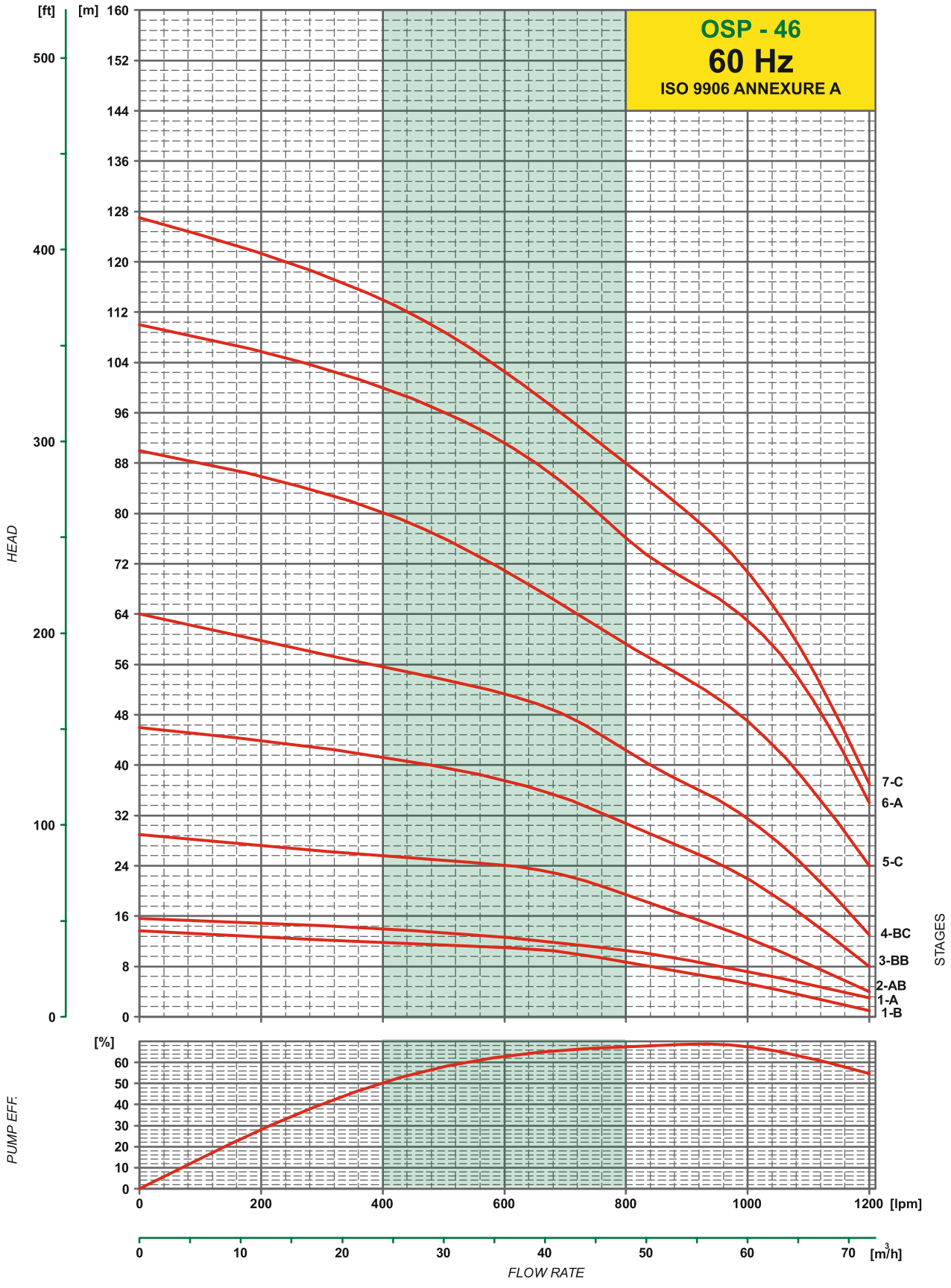
OSP-46 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



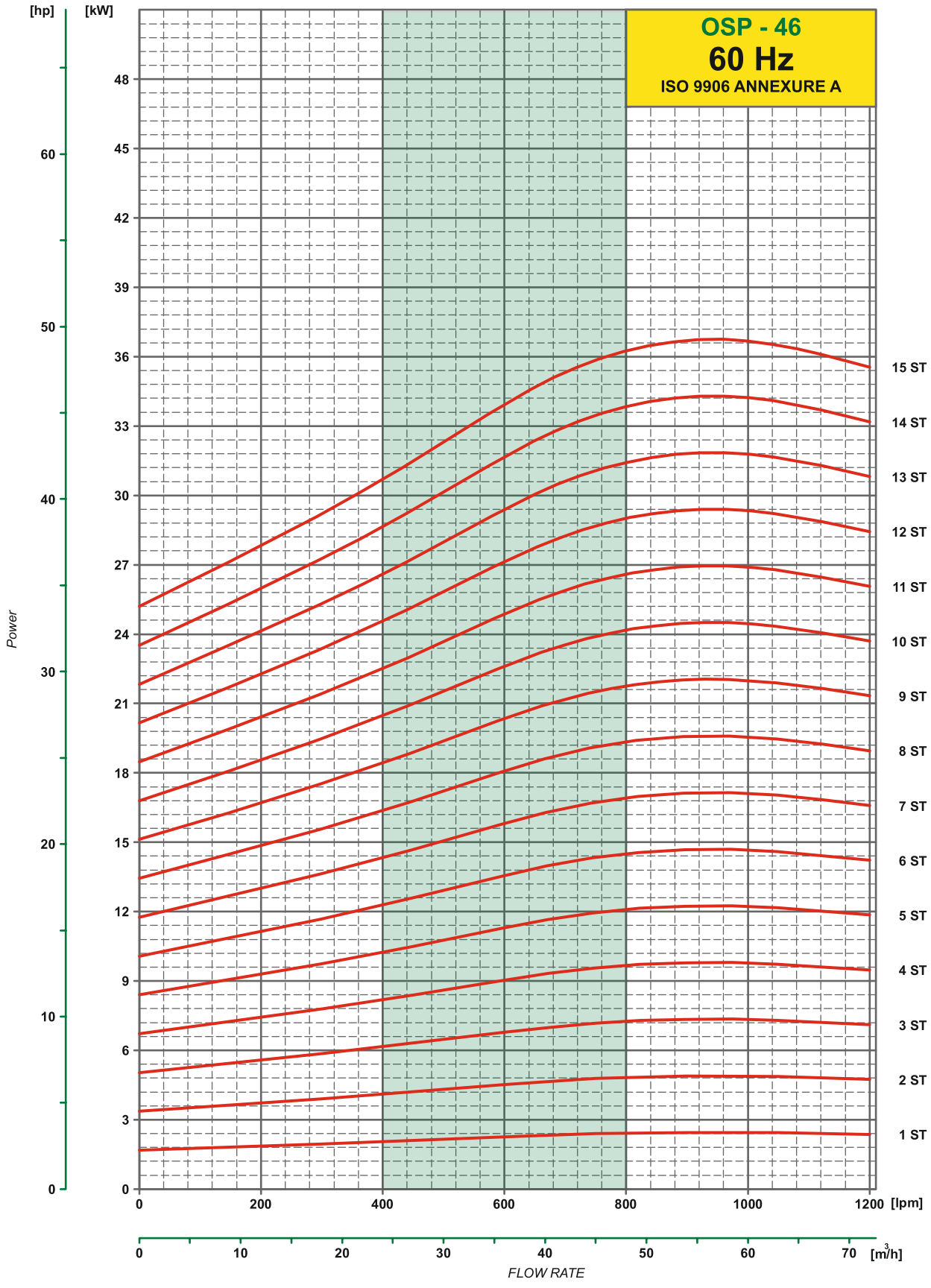
OSP-46 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



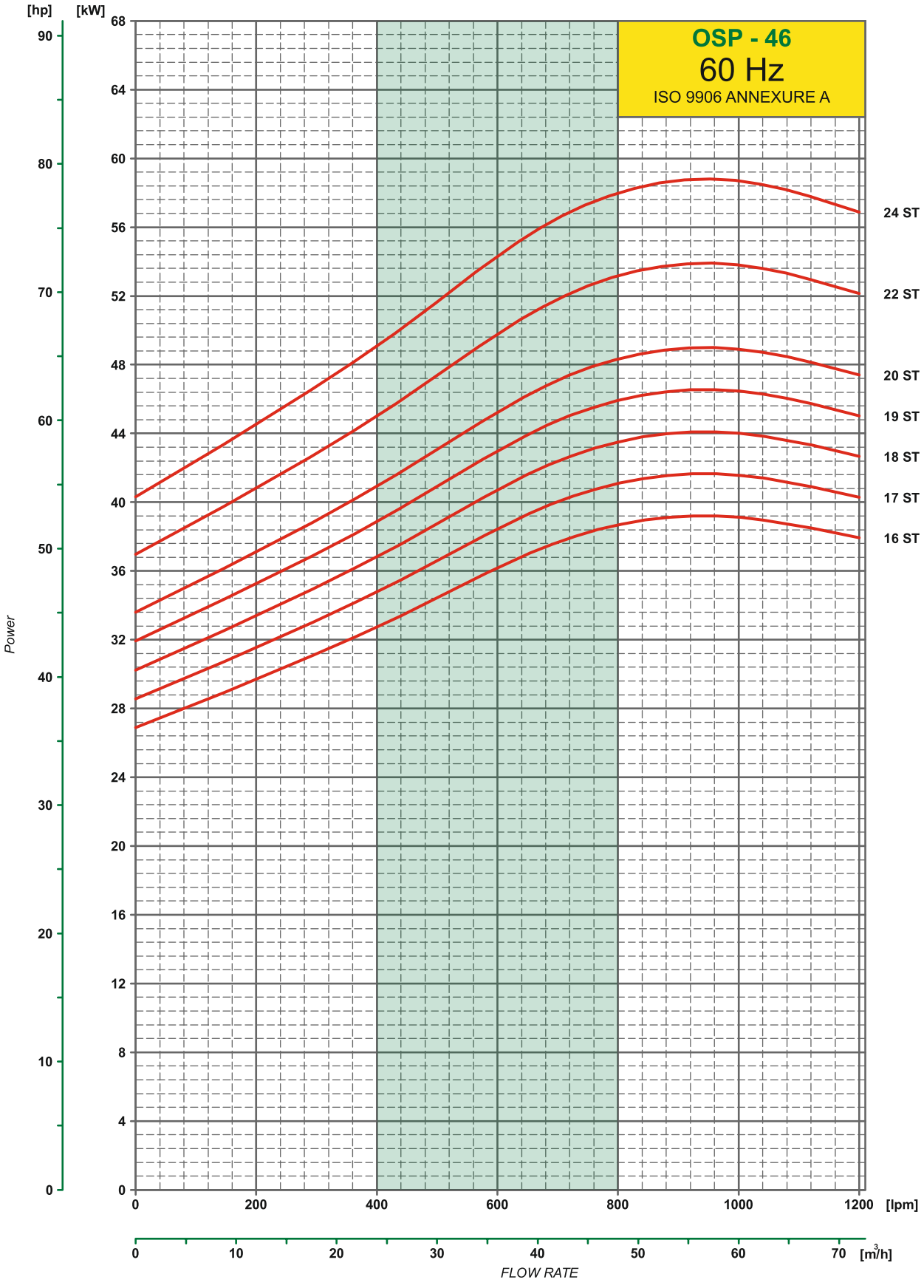
OSP-46 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



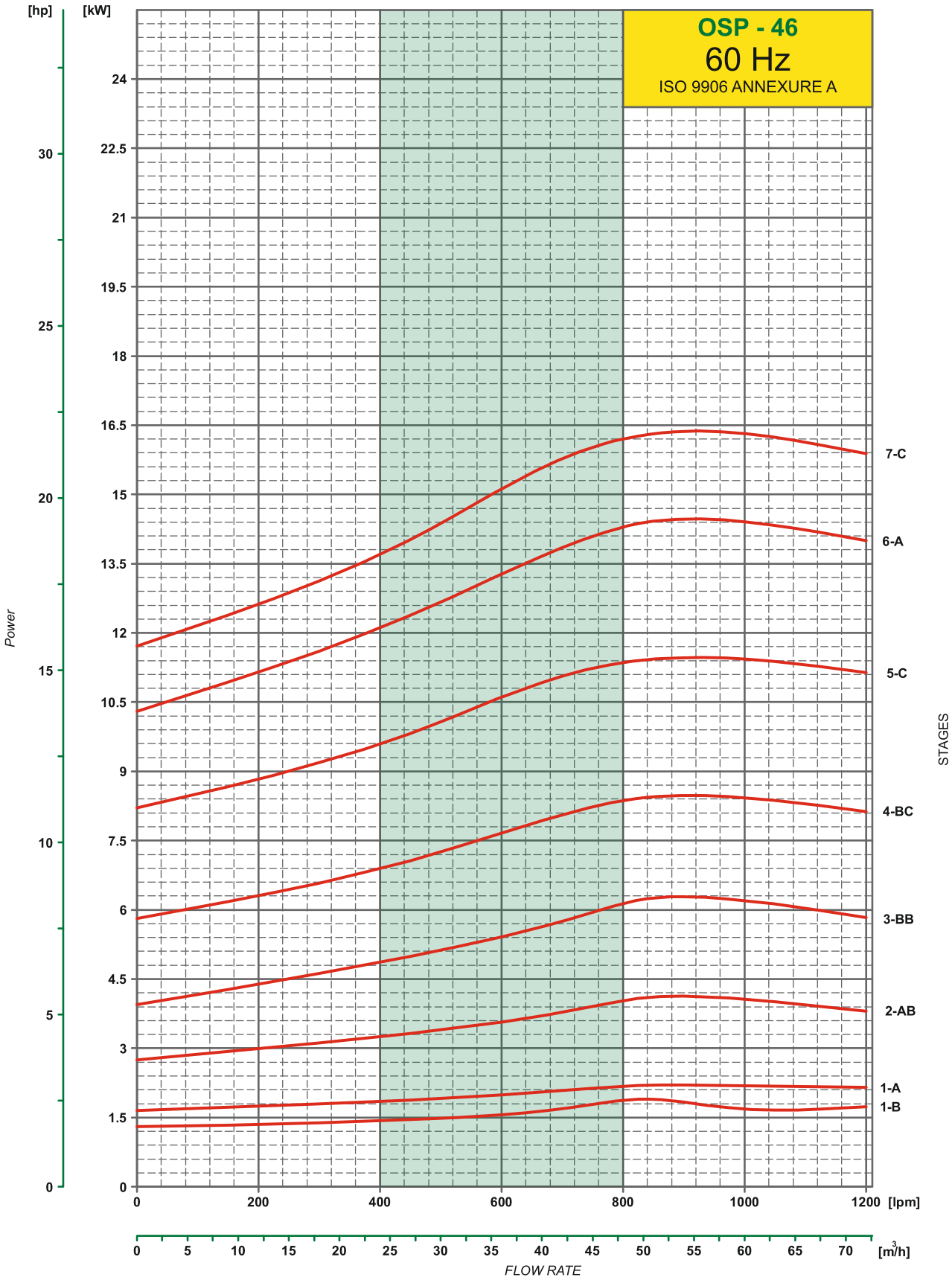
OSP-46 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-46 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



6″ · MIXED FLOW

OSP-60

Performance table

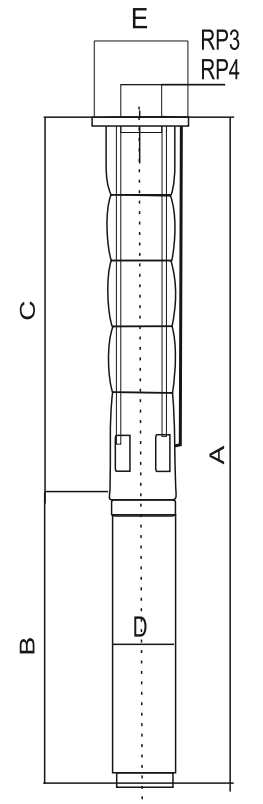
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
72 m³/h	28.8–86.4 m³/h	424 m	2.2–67 kW	4″	28

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	28.8	43.2	57.6	72	86.4
						0 L/min	480	720	960	1200	1440
						0 US gpm	126.8	190.2	253.6	316.9	380.3
						0 Imp. gpm	105.6	158.4	211.2	264.0	316.8
OSP-60/1-B(P4)60(4X6)	2.2	3	1-B	V-4	4″	11	10	7	6	**3**	1
OSP-60/1-A(P4)60(6X6)	3	4	1-A	V-6	4″	16	13	10	9	**5**	1
OSP-60/1(P4)60(6X6)	3.7	5	1	V-6	4″	20	18	16	14	**11**	8
OSP-60/2-BB(P4)60(6X6)	3.7	5	2-BB	V-6	4″	21	20	14	12	**6**	2
OSP-60/2(P4)60(6X6)	5.5	7.5	2	V-6	4″	40	37	32	27	**22**	16
OSP-60/3-A(P4)60(6X6)	7.5	10	3-A	V-6	4″	56	50	42	35	**27**	17
OSP-60/3(P4)60(6X6)	9.3	12.5	3	V-6	4″	61	55	48	41	**33**	24
OSP-60/4-AA(P4)60(6X6)	9.3	12.5	4-AA	V-6	4″	72	63	52	44	**33**	17
OSP-60/4(P4)60(6X6)	11	15	4	V-6	4″	81	74	64	54	**44**	32
OSP-60/5(P4)60(6X6)	13	17.5	5	V-6	4″	101	92	80	68	**56**	40
OSP-60/6-B(P4)60(6X6)	15	20	6-B	V-6	4″	111	102	87	74	**59**	41
OSP-60/6(P4)60(6X6)	18.5	25	6	V-6	4″	121	110	96	81	**67**	47
OSP-60/7(P4)60(6X6)	18.5	25	7	V-6	4″	141	129	112	95	**78**	55
OSP-60/8(P4)60(6X6)	22	30	8	V-6	4″	162	147	128	108	**89**	63
OSP-60/9-B(P4)60(6X6)	22	30	9-B	V-6	4″	172	157	135	114	**92**	64
OSP-60/9(P4)60(6X6)	26	35	9	V-6	4″	182	166	144	122	**100**	71
OSP-60/10(P4)60(6X6)	26	35	10	V-6	4″	202	184	160	135	**111**	79
OSP-60/11(P4)60(6X6)	30	40	11	V-6	4″	222	202	176	149	**122**	87
OSP-60/12(P4)60(6X6)	37	50	12	V-6	4″	242	221	192	162	**133**	95
OSP-60/13(P4)60(6X6)	37	50	13	V-6	4″	263	239	208	176	**144**	103
OSP-60/14(P4)60(6X6)	37	50	14	V-6	4″	283	258	224	189	**155**	111
OSP-60/15(P4)60(8X6)	45	60	15	V-8	4″	303	276	240	203	**167**	119
OSP-60/16(P4)60(8X6)	45	60	16	V-8	4″	323	294	256	216	**178**	126
OSP-60/17(P4)60(8X6)	45	60	17	V-8	4″	343	313	272	230	**189**	134
OSP-60/18(P4)60(8X6)	55	75	18	V-8	4″	364	331	288	243	**200**	142
OSP-60/19(P4)60(8X6)	55	75	19	V-8	4″	384	350	304	257	**211**	150
OSP-60/20(P4)60(8X6)	55	75	20	V-8	4″	404	368	320	270	**222**	158
OSP-60/21(P4)60(8X6)	67	90	21	V-8	4″	424	386	336	284	**233**	166

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 1-A to 3-A stages also available with 4″ motor joining (4X6).

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-B(P4)60(4X6)	1-B	V-4	2.2	393	145	–	7.5	97
OSP-60/1-A(P4)60(6X6)	1-A	V-6	3	393	145	–	7.5	146
OSP-60/1(P4)60(6X6)	1	V-6	3.7	393	145	152	8.6	146
OSP-60/2-BB(P4)60(6X6)	2-BB	V-6	3.7	506	145	152	10.9	146
OSP-60/2(P4)60(6X6)	2	V-6	5.5	506	145	152	10.9	146
OSP-60/3-A(P4)60(6X6)	3-A	V-6	7.5	619	147	152	13.3	146
OSP-60/3(P4)60(6X6)	3	V-6	9.3	619	147	152	13.3	146
OSP-60/4-AA(P4)60(6X6)	4-AA	V-6	9.3	732	147	152	15.7	146
OSP-60/4(P4)60(6X6)	4	V-6	11	732	147	152	15.7	146
OSP-60/5(P4)60(6X6)	5	V-6	13	845	147	152	18.0	146
OSP-60/6-B(P4)60(6X6)	6-B	V-6	15	958	147	152	20.4	146
OSP-60/6(P4)60(6X6)	6	V-6	18.5	958	147	152	20.4	146
OSP-60/7(P4)60(6X6)	7	V-6	18.5	1071	147	152	22.7	146
OSP-60/8(P4)60(6X6)	8	V-6	22	1184	147	152	25.1	146
OSP-60/9-B(P4)60(6X6)	9-B	V-6	22	1297	147	152	27.4	146
OSP-60/9(P4)60(6X6)	9	V-6	26	1297	147	152	27.4	146
OSP-60/10(P4)60(6X6)	10	V-6	26	1410	147	152	29.8	146
OSP-60/11(P4)60(6X6)	11	V-6	30	1523	147	152	32.1	146
OSP-60/12(P4)60(6X6)	12	V-6	37	1636	147	152	34.5	146
OSP-60/13(P4)60(6X6)	13	V-6	37	1749	147	152	36.9	146
OSP-60/14(P4)60(6X6)	14	V-6	37	1862	147	152	39.2	146
OSP-60/15(P4)60(8X6)	15	V-8	45	2010	188	188	44.5	189
OSP-60/16(P4)60(8X6)	16	V-8	45	2123	188	188	46.9	189
OSP-60/17(P4)60(8X6)	17	V-8	45	2236	188	188	49.3	189
OSP-60/18(P4)60(8X6)	18	V-8	55	2349	188	188	51.6	189
OSP-60/19(P4)60(8X6)	19	V-8	55	2462	188	188	54.0	189
OSP-60/20(P4)60(8X6)	20	V-8	55	2575	188	188	56.3	189
OSP-60/21(P4)60(8X6)	21	V-8	67	2688	188	188	58.7	189

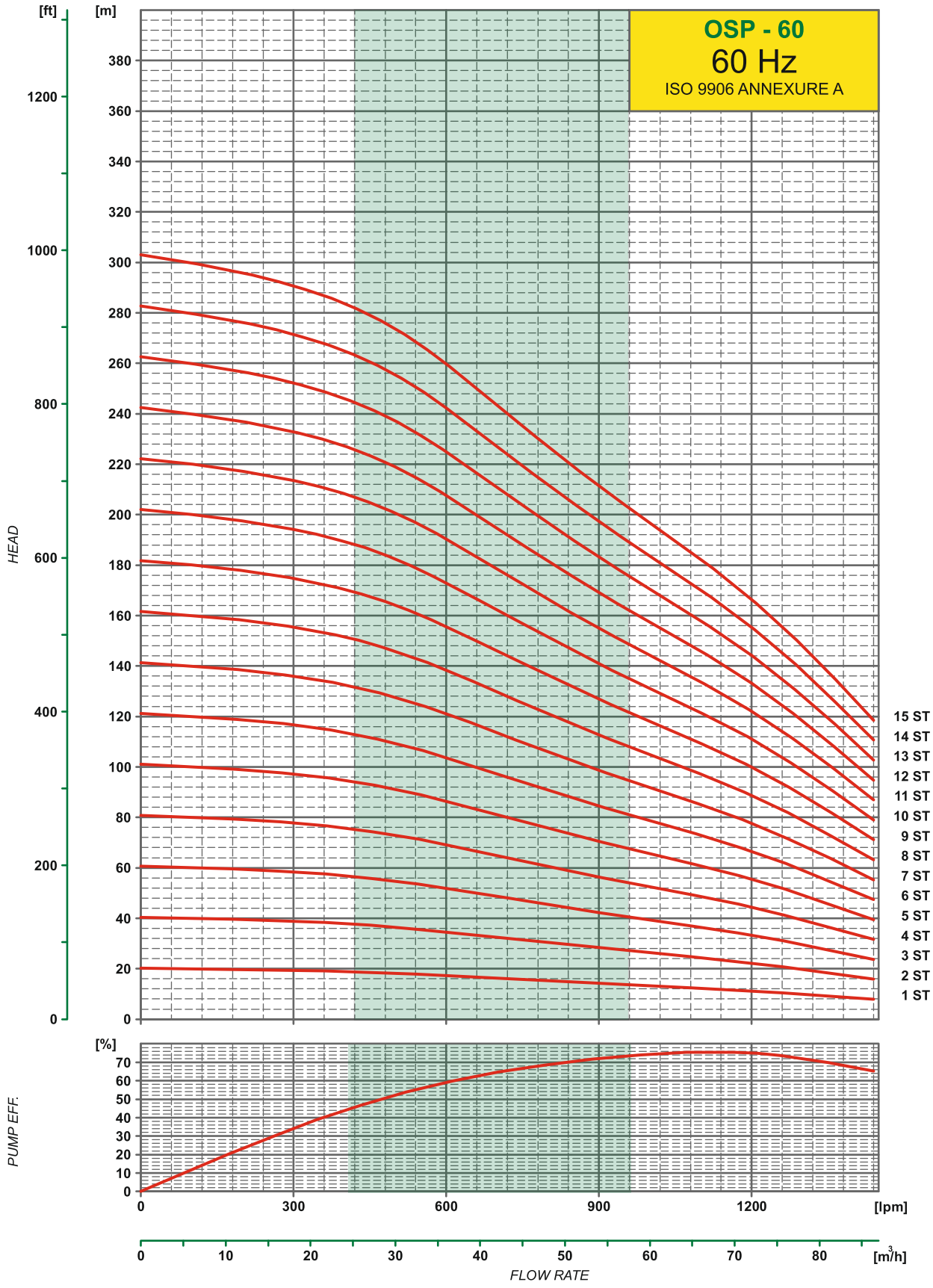


Dimensions A–E, Rp

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

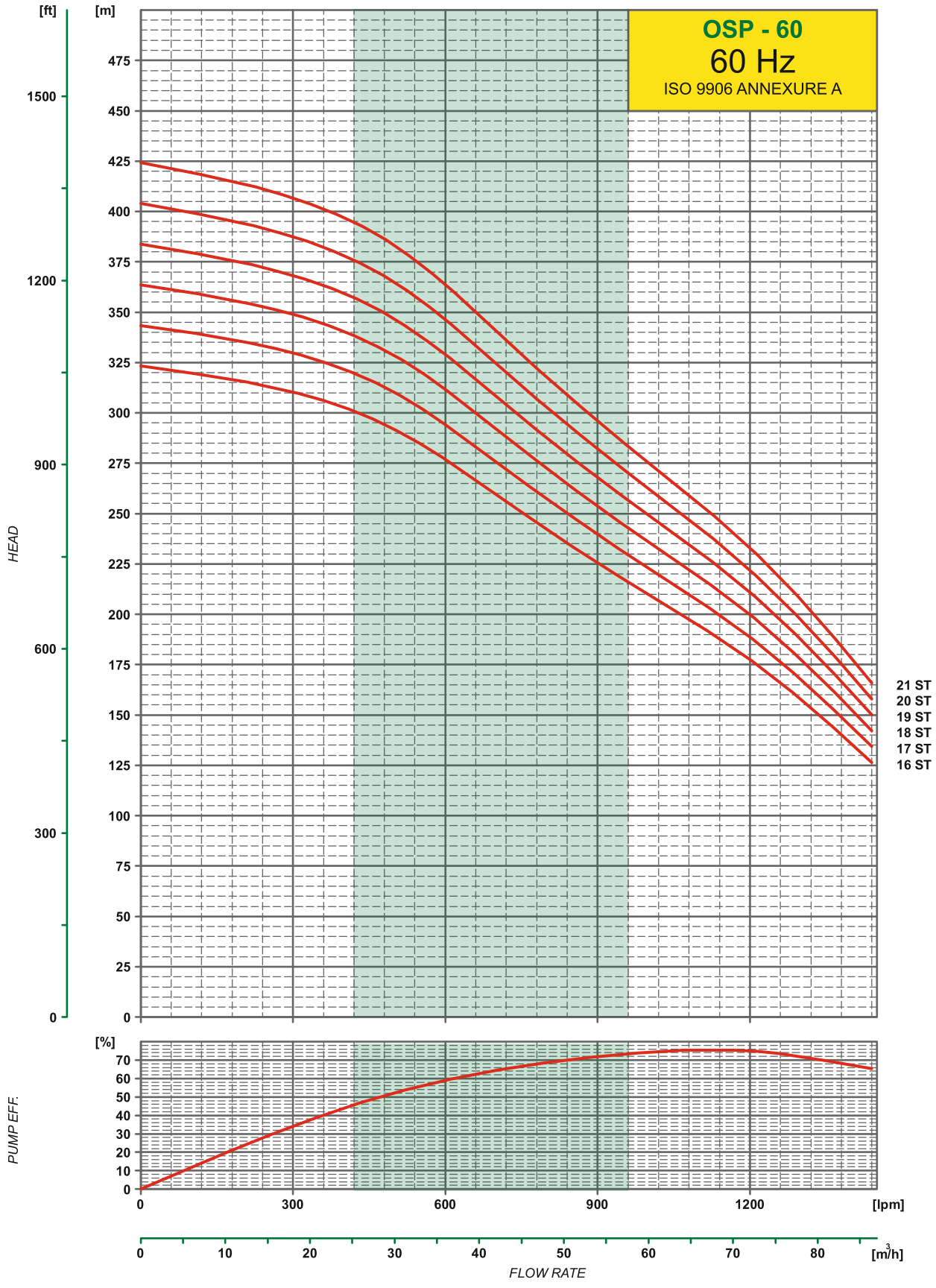
OSP-60 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 6



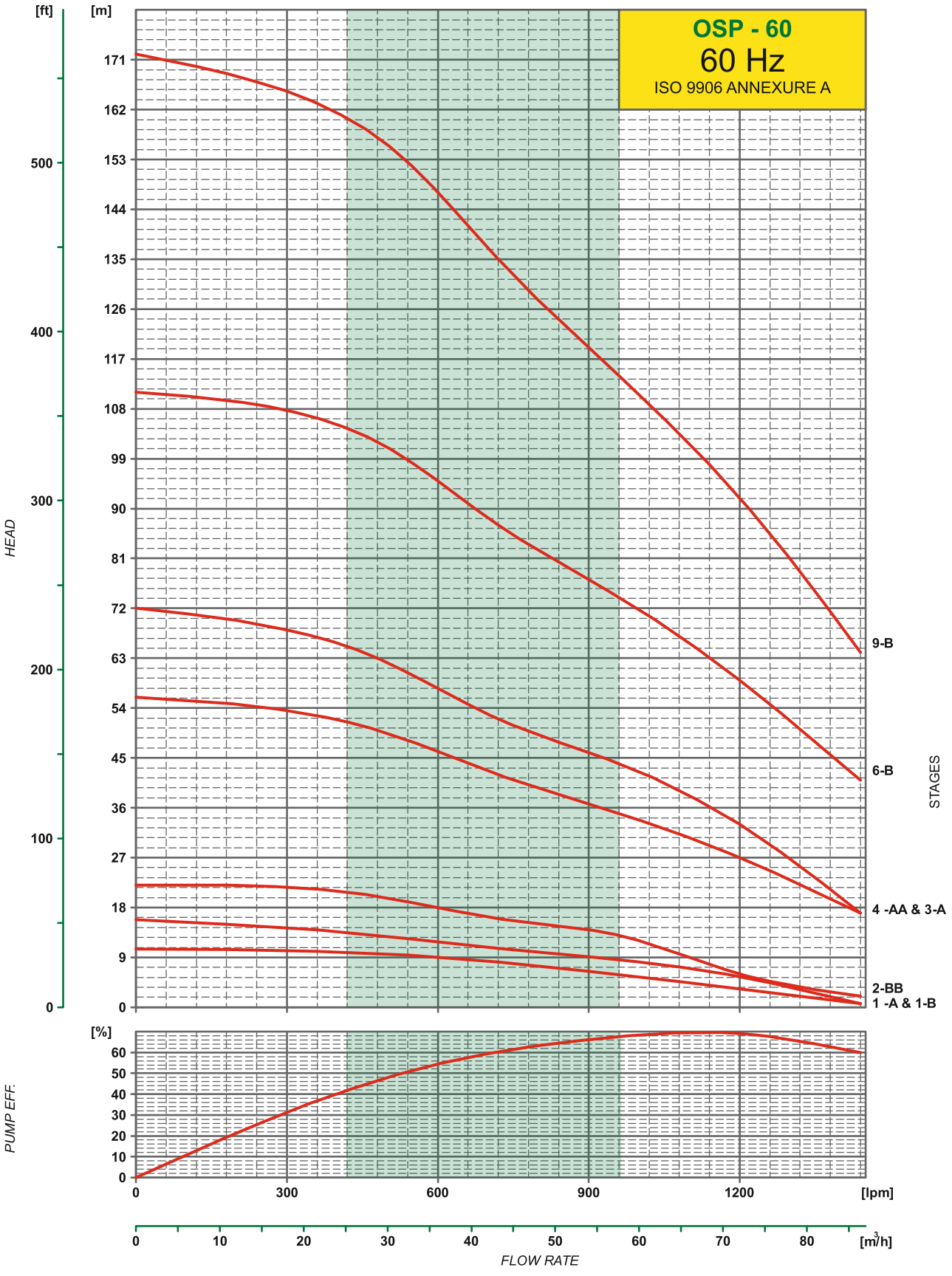
OSP-60 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 6



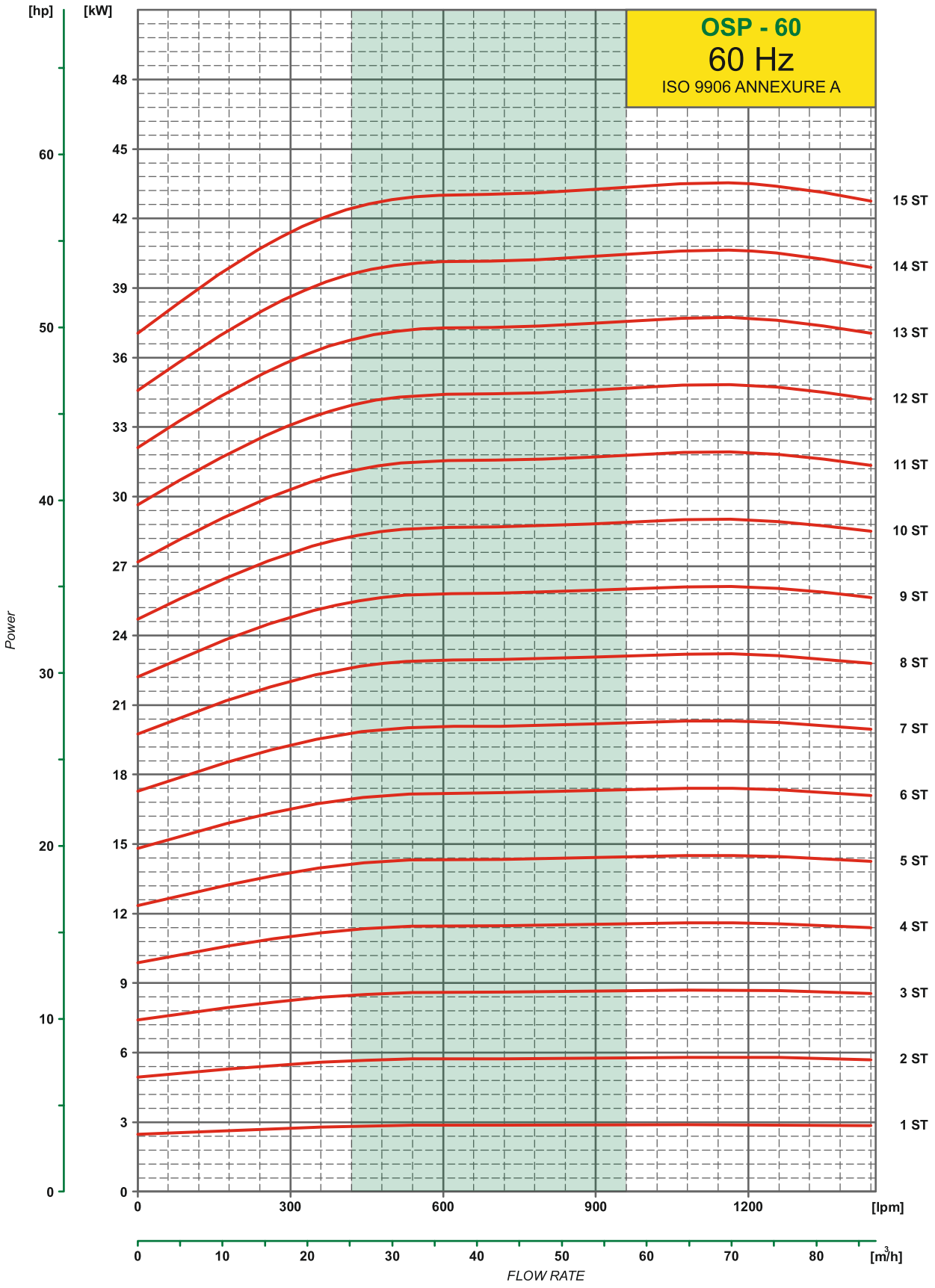
OSP-60 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 6



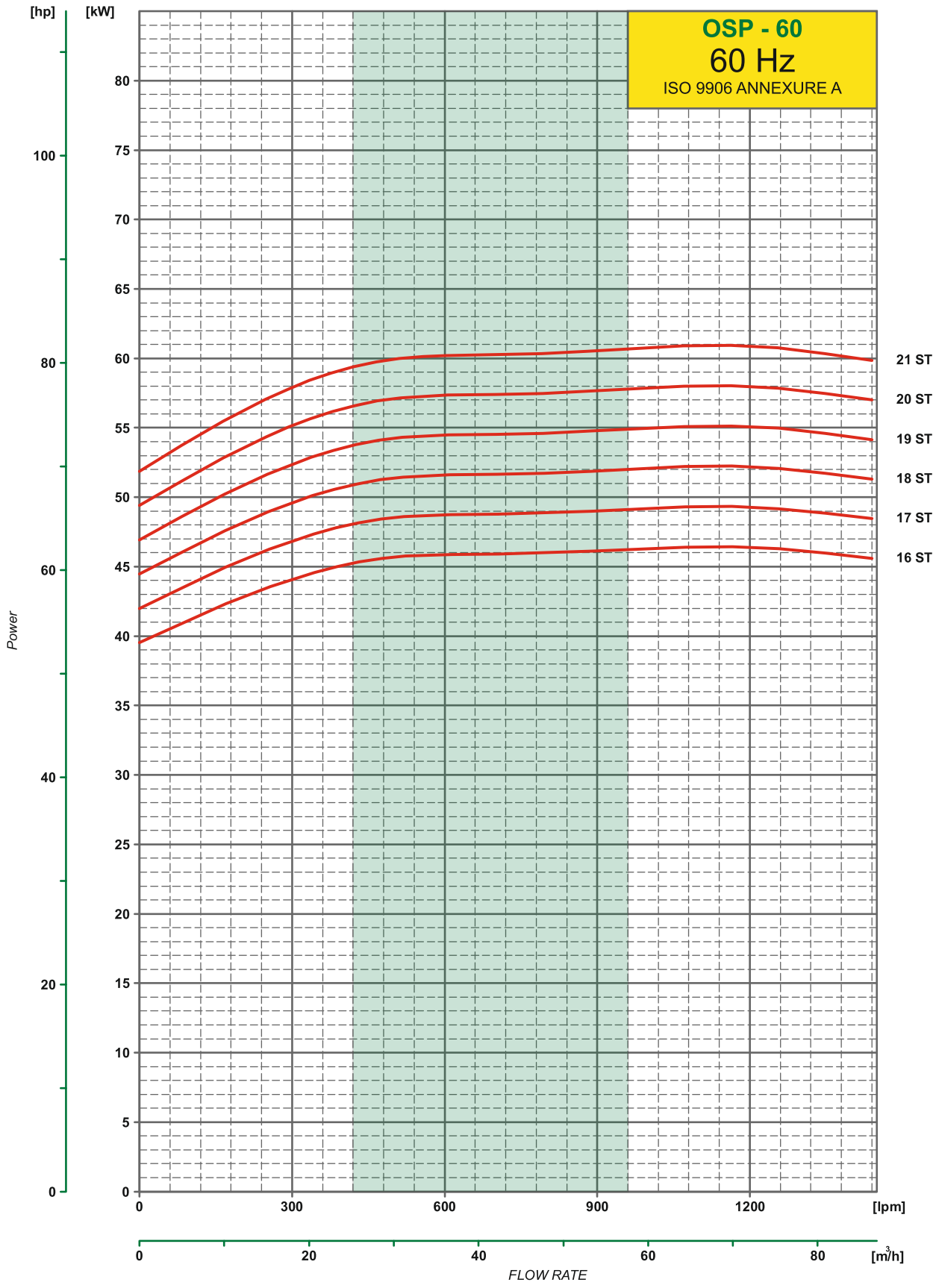
OSP-60 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 6



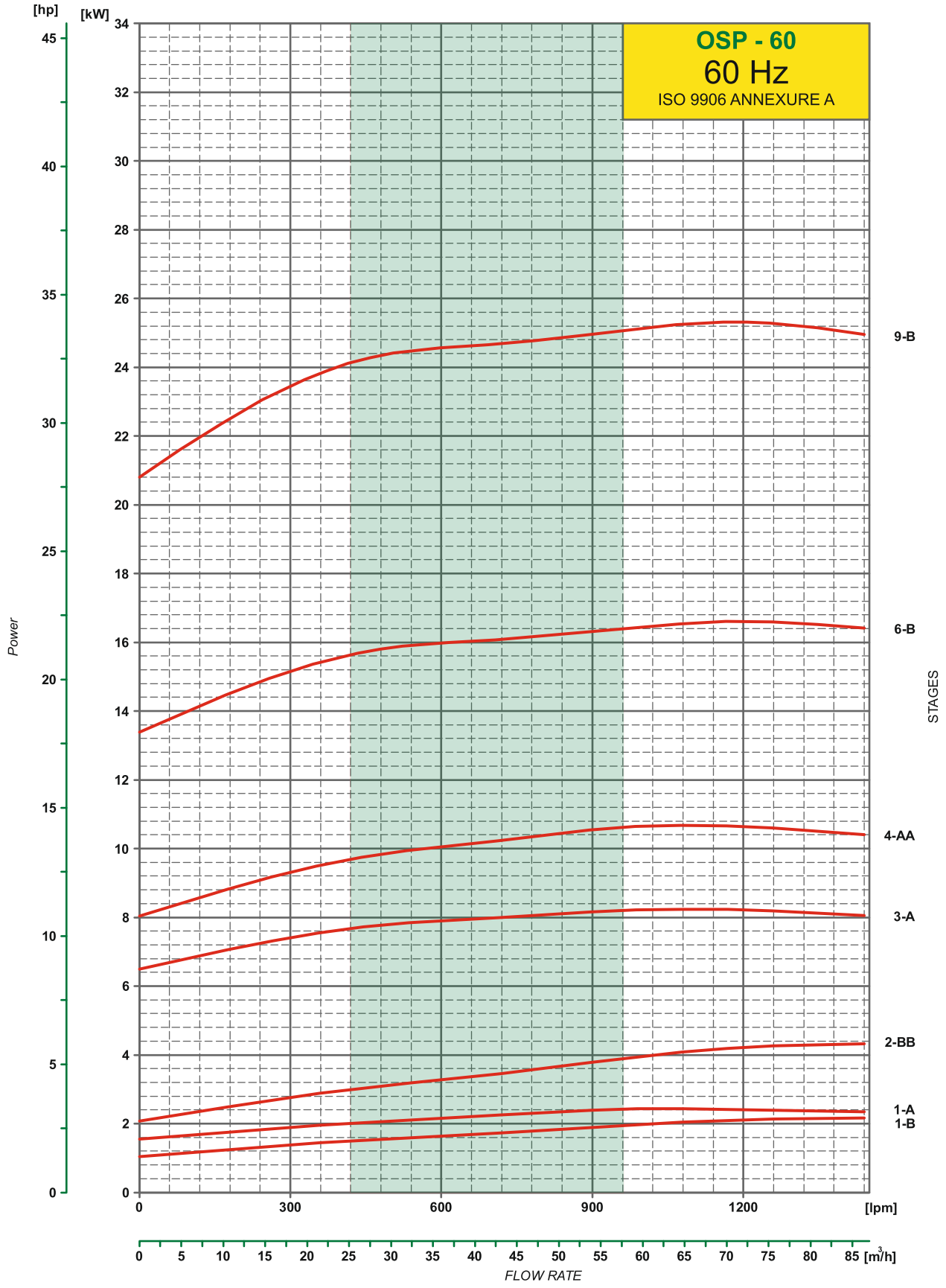
OSP-60 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 5 of 6



OSP-60 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 6 of 6



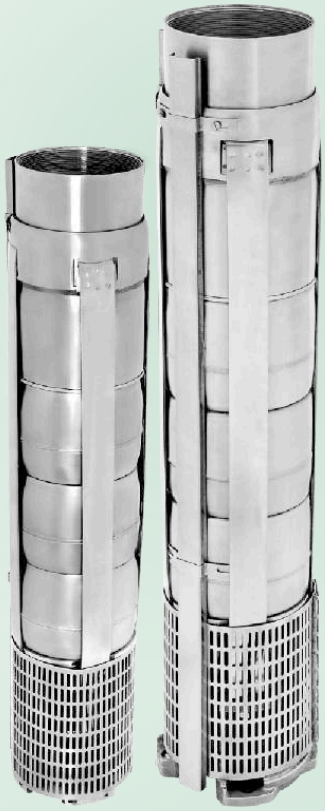
8″

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
57.6–144 m³/h	up to 432 m	5.5–93 kW	42
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

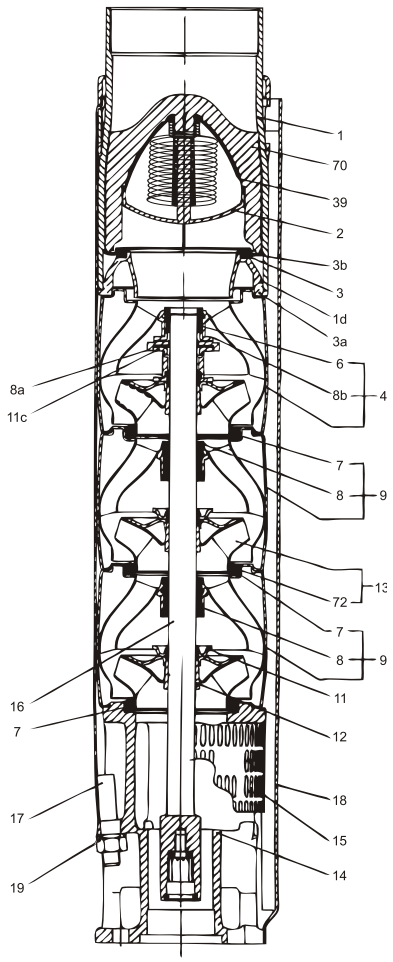
Flow, head and power figures above are derived from the performance tables in this section.

MATERIAL OF CONSTRUCTION

OSP-77 / OSP-95

OSP-77 / OSP-95 IDENTICAL SPECIFICATION

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
86.4 m³/h	57.6–115.2 m³/h	432 m	5.5–93 kW	5″	22

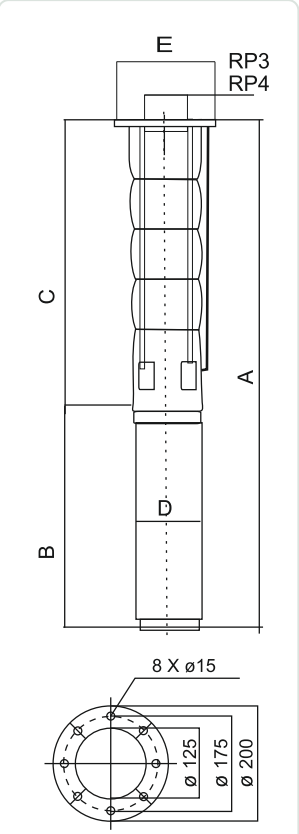
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	57.6	72	86.4	100.8	115.2
						0 L/min	960	1200	1440	1680	1920
						0 US gpm	253.6	316.9	380.3	443.7	507.1
						0 Imp. gpm	211.2	264.0	316.8	369.6	422.4
OSP-77/1(P4)60(6X8)	5.5	7.5	1	V-6	5″	29	23	21	**18**	16	11
OSP-77/2-AB(P4)60(6X8)	7.5	10	2-AB	V-6	5″	40	29	25	**21**	13	7
OSP-77/2-A(P4)60(6X8)	9.3	12.5	2-A	V-6	5″	50	39	35	**30**	23	17
OSP-77/2(P4)60(6X8)	11	15	2	V-6	5″	58	46	41	**37**	31	22
OSP-77/3-AA(P4)60(6X8)	13	17.5	3-AA	V-6	5″	71	55	49	**42**	31	22
OSP-77/3-A(P4)60(6X8)	15	20	3-A	V-6	5″	79	62	55	**49**	39	28
OSP-77/3(P4)60(6X8)	18.5	25	3	V-6	5″	86	69	62	**55**	47	34
OSP-77/4-B(P4)60(6X8)	18.5	25	4-B	V-6	5″	105	82	73	**64**	52	35
OSP-77/4(P4)60(6X8)	22	30	4	V-6	5″	115	92	83	**74**	62	45
OSP-77/5-BB(P4)60(6X8)	22	30	5-BB	V-6	5″	124	95	84	**73**	57	37
OSP-77/5(P4)60(6X8)	26	35	5	V-6	5″	144	115	104	**92**	78	56
OSP-77/6-B(P4)60(6X8)	30	40	6-B	V-6	5″	163	128	115	**101**	83	61
OSP-77/6(P4)60(6X8)	37	50	6	V-6	5″	173	137	124	**110**	94	67
OSP-77/7(P4)60(6X8)	37	50	7	V-6	5″	202	160	145	**129**	109	78
OSP-77/8(P4)60(8X8)	45	60	8	V-8	5″	230	183	166	**147**	125	90
OSP-77/9(P4)60(8X8)	55	75	9	V-8	5″	259	206	186	**166**	140	101
OSP-77/10(P4)60(8X8)	55	75	10	V-8	5″	288	229	207	**184**	156	112
OSP-77/11(P4)60(8X8)	67	90	11	V-8	5″	317	252	228	**202**	172	123
OSP-77/12(P4)60(8X8)	67	90	12	V-8	5″	346	275	248	**221**	187	134
OSP-77/13(P4)60(8X8)	75	100	13	V-8	5″	374	298	269	**239**	203	146
OSP-77/14(P4)60(8X8)	93	125	14	V-8	5″	403	321	290	**258**	218	157
OSP-77/15(P4)60(8X8)	93	125	15	V-8	5″	432	344	311	**276**	234	168

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 1 to 7 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)60(6X8)	1	V-6	5.5	610	200	200	19.0	146
OSP-77/2-AB(P4)60(6X8)	2-AB	V-6	7.5	738	200	200	22.8	146
OSP-77/2-A(P4)60(6X8)	2-A	V-6	9.3	738	200	200	22.8	146
OSP-77/2(P4)60(6X8)	2	V-6	11	738	200	200	22.8	146
OSP-77/3-AA(P4)60(6X8)	3-AA	V-6	13	866	200	200	26.6	146
OSP-77/3-A(P4)60(6X8)	3-A	V-6	15	866	200	200	26.6	146
OSP-77/3(P4)60(6X8)	3	V-6	18.5	866	200	200	26.6	146
OSP-77/4-B(P4)60(6X8)	4-B	V-6	18.5	994	200	200	30.5	146
OSP-77/4(P4)60(6X8)	4	V-6	22	994	200	200	30.5	146
OSP-77/5-BB(P4)60(6X8)	5-BB	V-6	22	1122	200	200	34.3	146
OSP-77/5(P4)60(6X8)	5	V-6	26	1122	200	200	34.3	146
OSP-77/6-B(P4)60(6X8)	6-B	V-6	30	1250	200	200	38.1	146
OSP-77/6(P4)60(6X8)	6	V-6	37	1250	200	200	38.1	146
OSP-77/7(P4)60(6X8)	7	V-6	37	1378	200	200	41.9	146
OSP-77/8(P4)60(8X8)	8	V-8	45	1536	205	205	48.7	189
OSP-77/9(P4)60(8X8)	9	V-8	55	1664	205	205	52.5	189
OSP-77/10(P4)60(8X8)	10	V-8	55	1792	205	205	56.3	189
OSP-77/11(P4)60(8X8)	11	V-8	67	1920	205	205	60.2	189
OSP-77/12(P4)60(8X8)	12	V-8	67	2048	205	205	64.0	189
OSP-77/13(P4)60(8X8)	13	V-8	75	2176	205	205	67.8	189
OSP-77/14(P4)60(8X8)	14	V-8	93	2304	205	205	71.6	189
OSP-77/15(P4)60(8X8)	15	V-8	93	2432	205	205	75.5	189

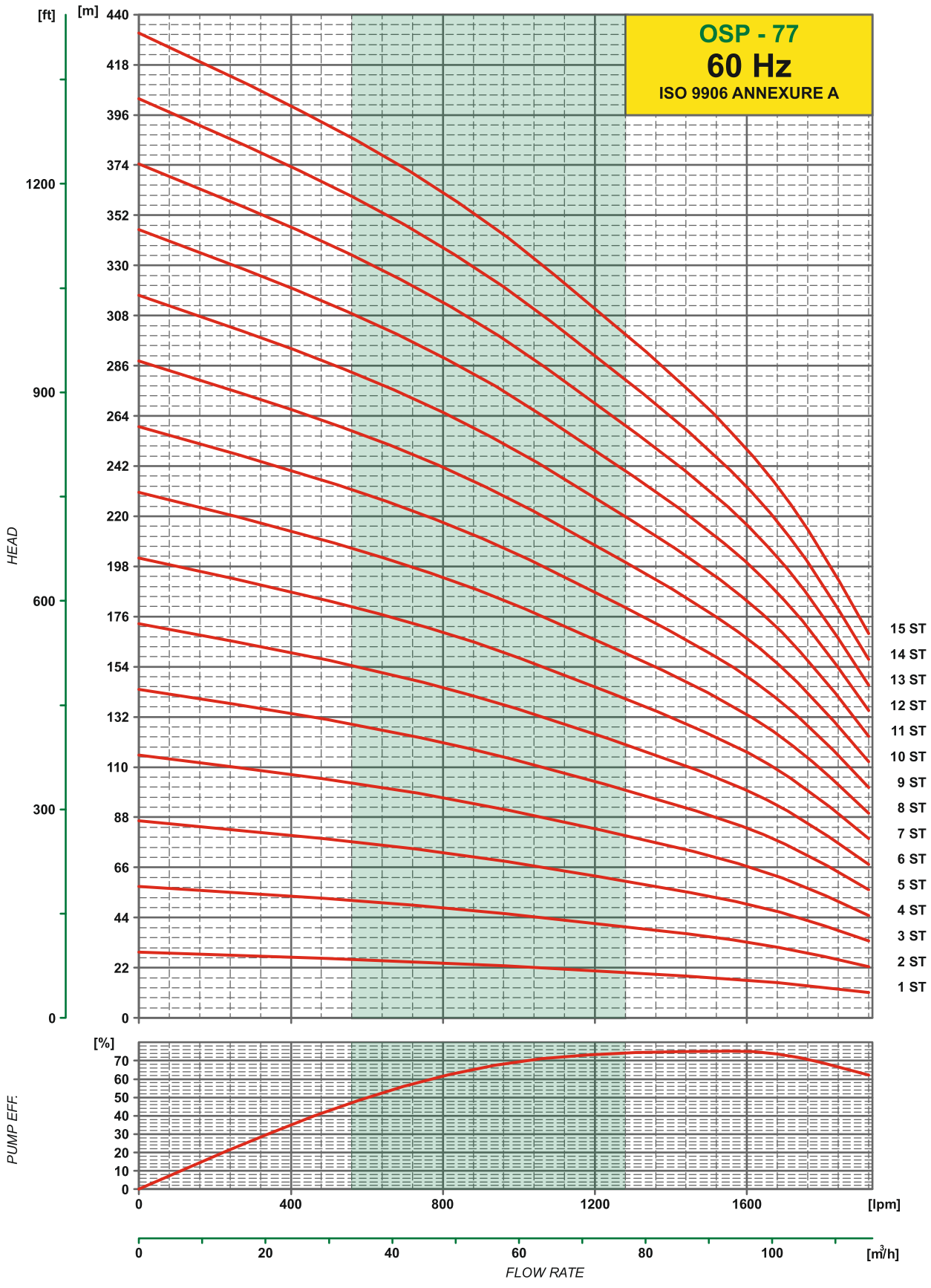
E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

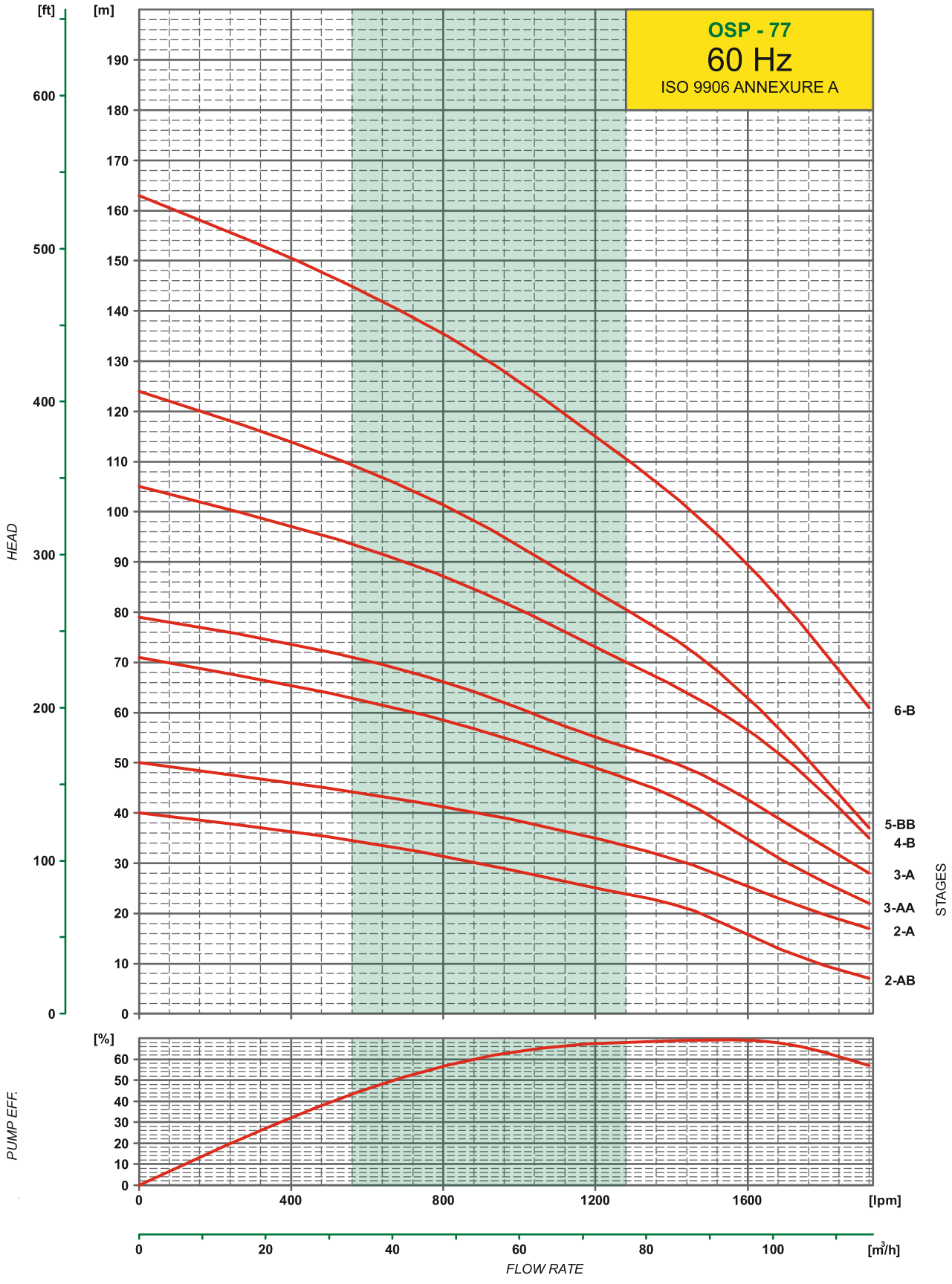
OSP-77 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



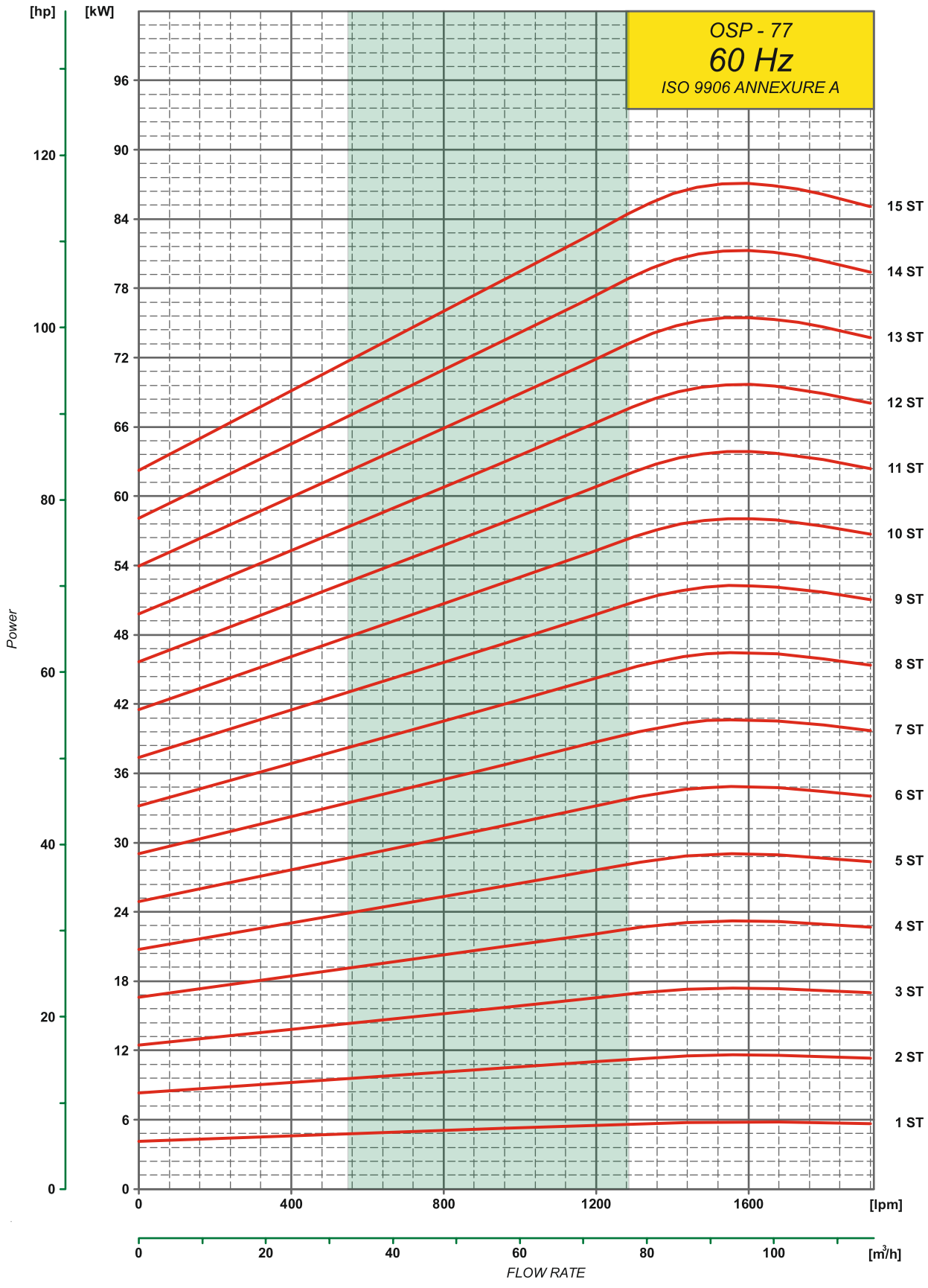
OSP-77 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



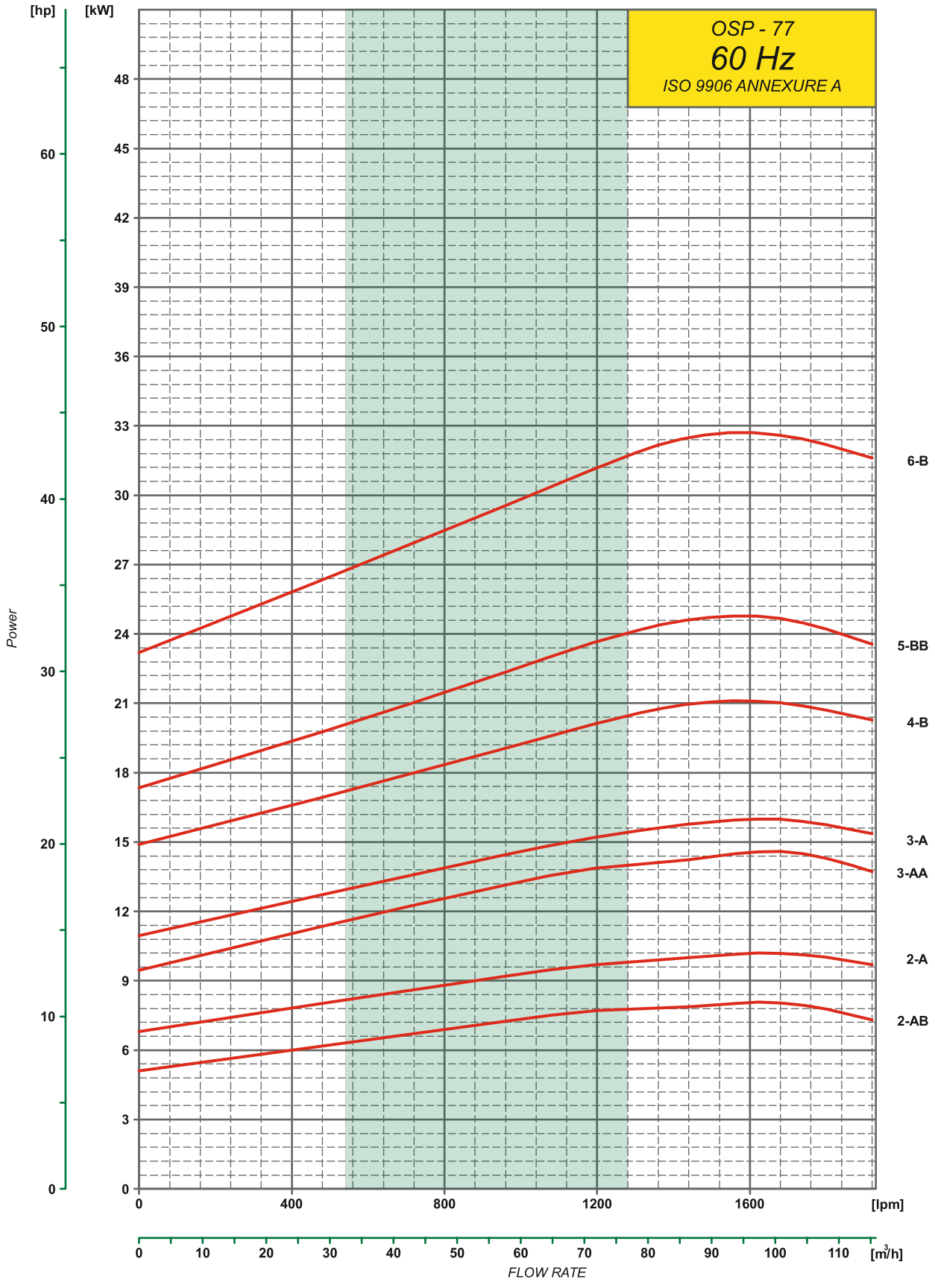
OSP-77 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-77 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 4



8″ · MIXED FLOW

OSP-95

Performance table

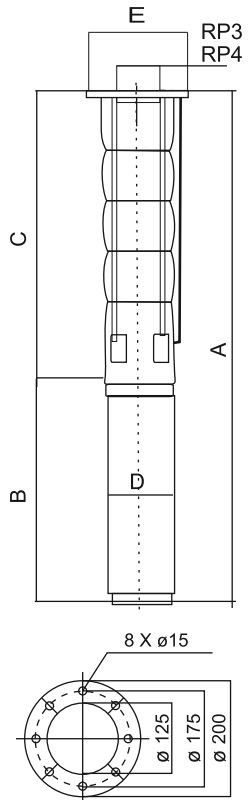
DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
115.2 m³/h	57.6–144 m³/h	401 m	5.5–93 kW	5″	20

PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	57.6	86.4	115.2	129.6	144
						0 L/min	960	1440	1920	2160	2400
						0 US gpm	253.6	380.3	507.1	570.5	633.9
						0 Imp. gpm	211.2	316.8	422.4	475.2	528.0
OSP-95/1-A(P4)60(6X8)	5.5	7.5	1-A	V-6	5″	25	18	15	**11**	7	4
OSP-95/1(P4)60(6X8)	7.5	10	1	V-6	5″	31	25	21	**17**	14	10
OSP-95/2-AB(P4)60(6X8)	9.3	12.5	2-AB	V-6	5″	45	33	28	**20**	11	8
OSP-95/2-B(P4)60(6X8)	11	15	2-B	V-6	5″	50	40	35	**25**	18	10
OSP-95/2(P4)60(6X8)	13	17.5	2	V-6	5″	62	50	43	**34**	28	19
OSP-95/3-BB(P4)60(6X8)	15	20	3-BB	V-6	5″	69	56	48	**34**	22	10
OSP-95/3-B(P4)60(6X8)	18.5	25	3-B	V-6	5″	81	66	57	**42**	32	19
OSP-95/3(P4)60(6X8)	22	30	3	V-6	5″	92	75	64	**51**	42	29
OSP-95/4-AB(P4)60(6X8)	22	30	4-AB	V-6	5″	106	83	70	**54**	39	23
OSP-95/4(P4)60(6X8)	26	35	4	V-6	5″	123	100	85	**68**	56	39
OSP-95/5-B(P4)60(6X8)	30	40	5-B	V-6	5″	142	116	99	**76**	60	39
OSP-95/5(P4)60(6X8)	37	50	5	V-6	5″	154	125	107	**85**	70	48
OSP-95/6(P4)60(6X8)	37	50	6	V-6	5″	185	149	128	**102**	84	58
OSP-95/7(P4)60(8X8)	45	60	7	V-8	5″	216	174	149	**118**	98	68
OSP-95/8(P4)60(8X8)	55	75	8	V-8	5″	247	199	170	**135**	112	77
OSP-95/9(P4)60(8X8)	67	90	9	V-8	5″	277	224	192	**152**	126	87
OSP-95/10(P4)60(8X8)	67	90	10	V-8	5″	308	249	213	**169**	140	97
OSP-95/11(P4)60(8X8)	75	100	11	V-8	5″	339	274	234	**186**	154	106
OSP-95/12(P4)60(8X8)	93	125	12	V-8	5″	370	299	256	**203**	168	116
OSP-95/13(P4)60(8X8)	93	125	13	V-8	5″	401	324	277	**220**	182	125

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 1-A to 6 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-A(P4)60(6X8)	1-A	V-6	5.5	610	200	200	19.0	146
OSP-95/1(P4)60(6X8)	1	V-6	7.5	610	200	200	19.0	146
OSP-95/2-AB(P4)60(6X8)	2-AB	V-6	9.3	738	200	200	22.8	146
OSP-95/2-B(P4)60(6X8)	2-B	V-6	11	738	200	200	22.8	146
OSP-95/2(P4)60(6X8)	2	V-6	13	738	200	200	22.8	146
OSP-95/3-BB(P4)60(6X8)	3-BB	V-6	15	866	200	200	26.6	146
OSP-95/3-B(P4)60(6X8)	3-B	V-6	18.5	866	200	200	26.6	146
OSP-95/3(P4)60(6X8)	3	V-6	22	866	200	200	26.6	146
OSP-95/4-AB(P4)60(6X8)	4-AB	V-6	22	994	200	200	30.5	146
OSP-95/4(P4)60(6X8)	4	V-6	26	994	200	200	30.5	146
OSP-95/5-B(P4)60(6X8)	5-B	V-6	30	1122	200	200	34.3	146
OSP-95/5(P4)60(6X8)	5	V-6	37	1122	200	200	34.3	146
OSP-95/6(P4)60(6X8)	6	V-6	37	1250	200	200	38.1	146
OSP-95/7(P4)60(8X8)	7	V-8	45	1408	205	205	44.9	189
OSP-95/8(P4)60(8X8)	8	V-8	55	1536	205	205	48.7	189
OSP-95/9(P4)60(8X8)	9	V-8	67	1664	205	205	52.5	189
OSP-95/10(P4)60(8X8)	10	V-8	67	1792	205	205	56.3	189
OSP-95/11(P4)60(8X8)	11	V-8	75	1920	205	205	60.2	189
OSP-95/12(P4)60(8X8)	12	V-8	93	2048	205	205	64.0	189
OSP-95/13(P4)60(8X8)	13	V-8	93	2176	205	205	67.8	189

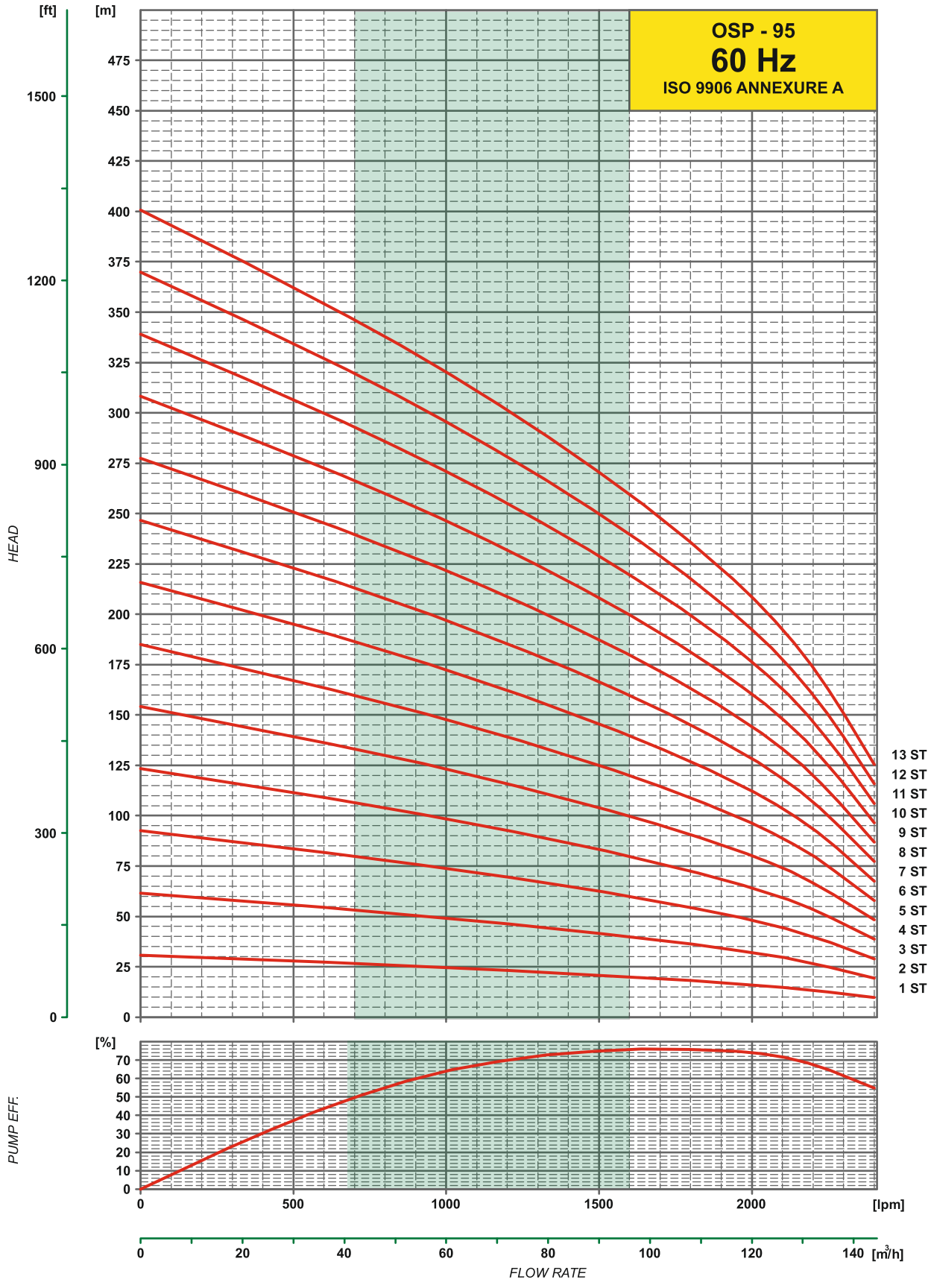


Dimensions A–E, Rp

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

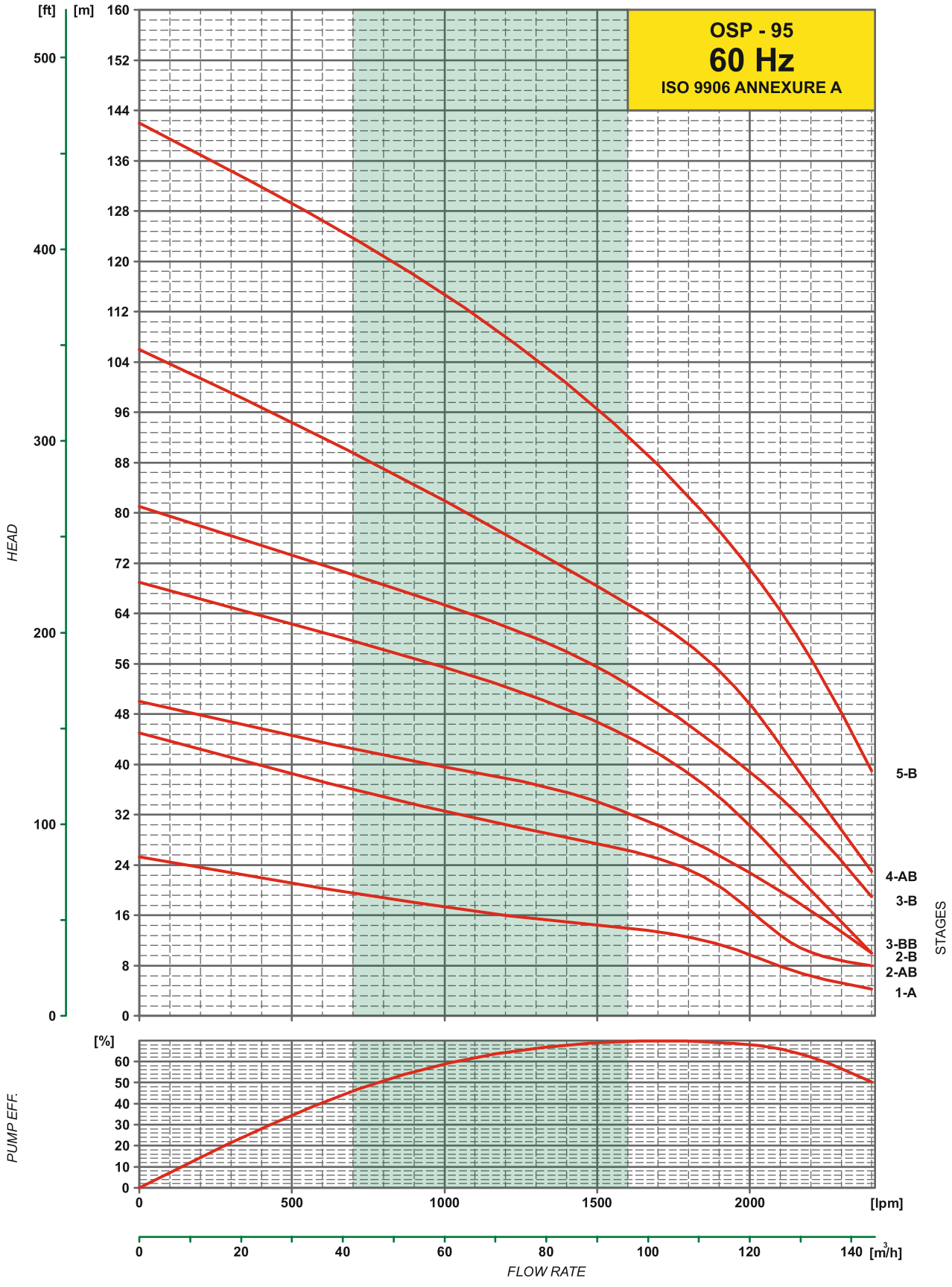
OSP-95 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



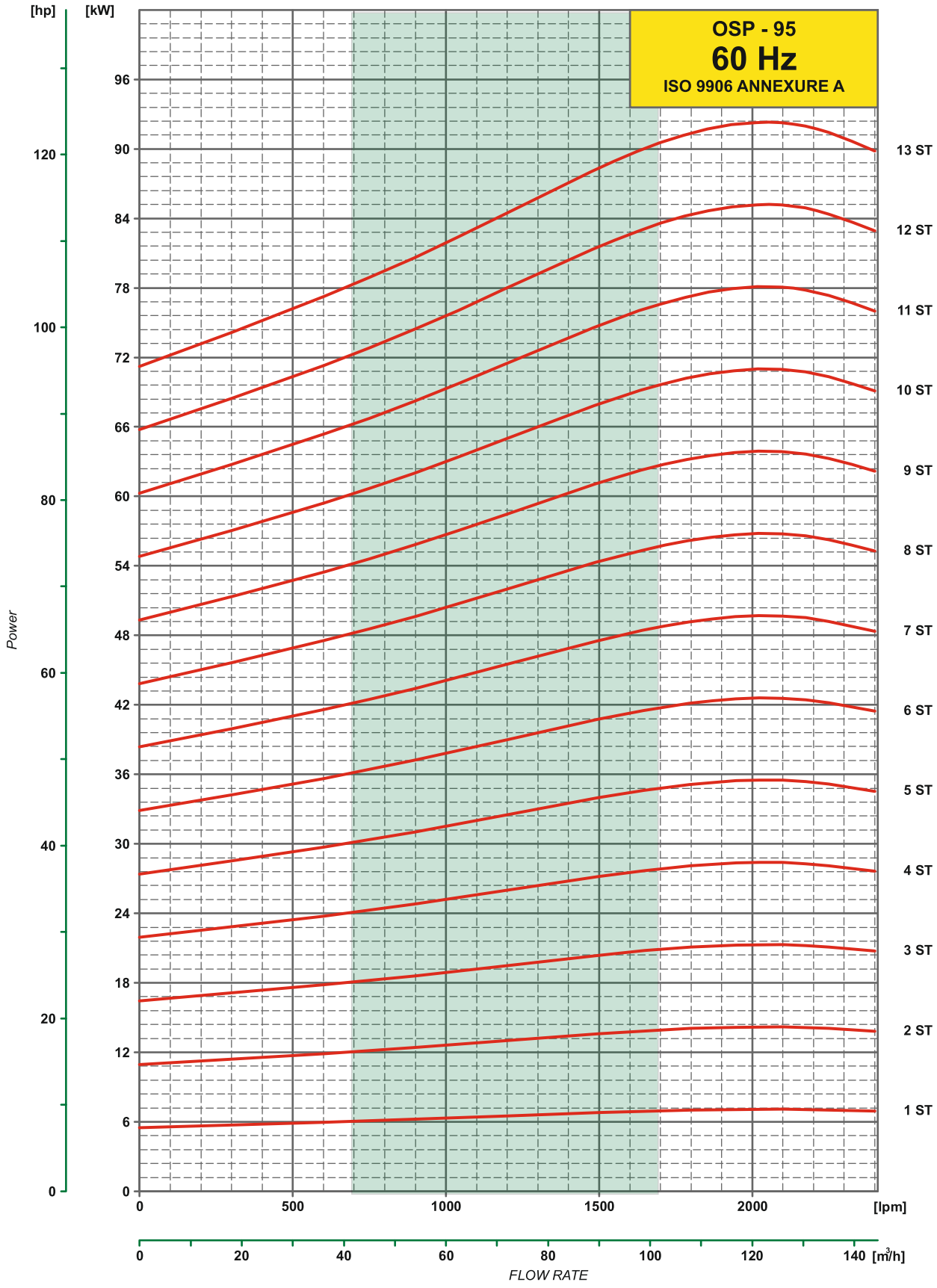
OSP-95 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



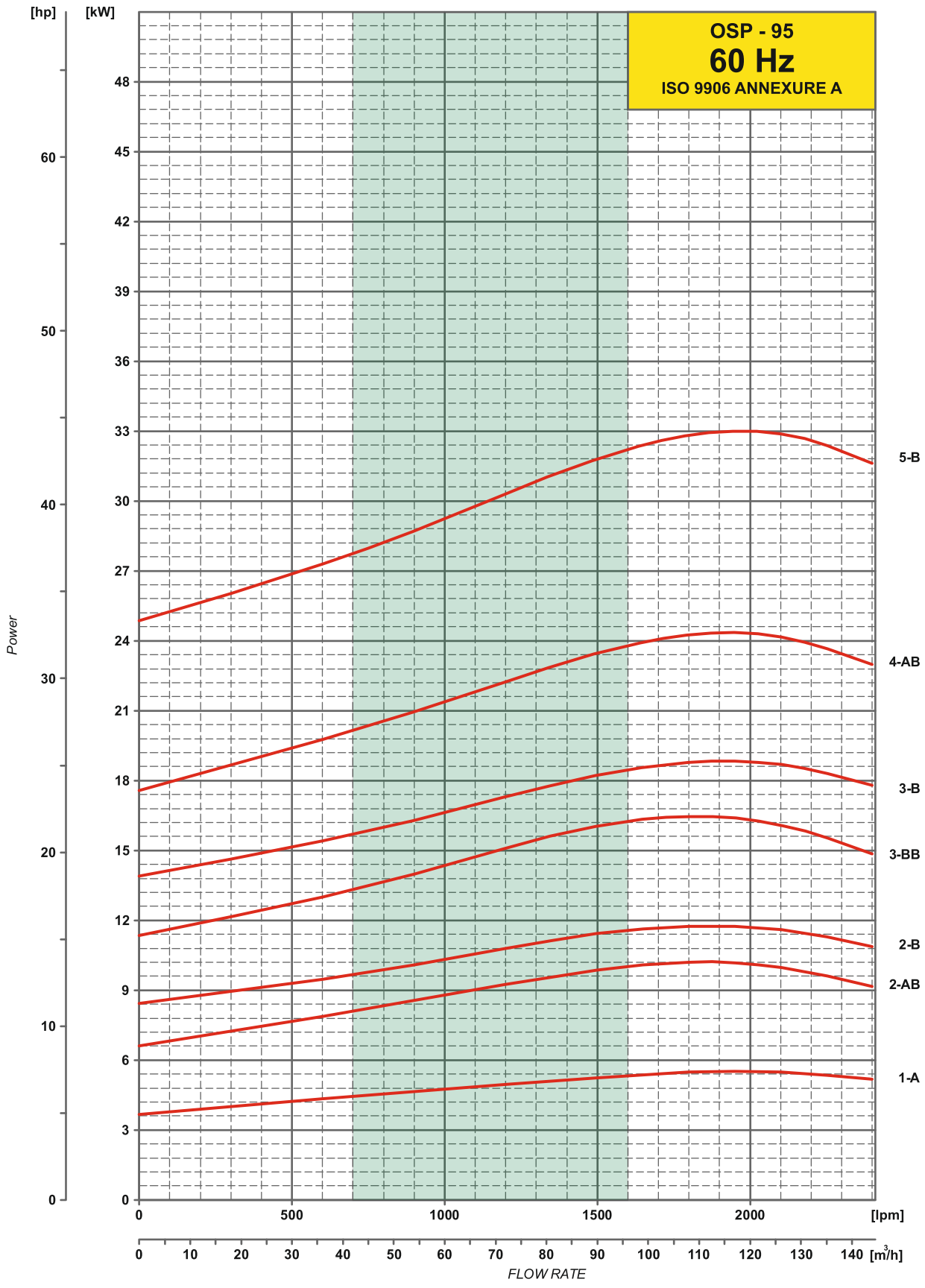
OSP-95 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-95 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 4

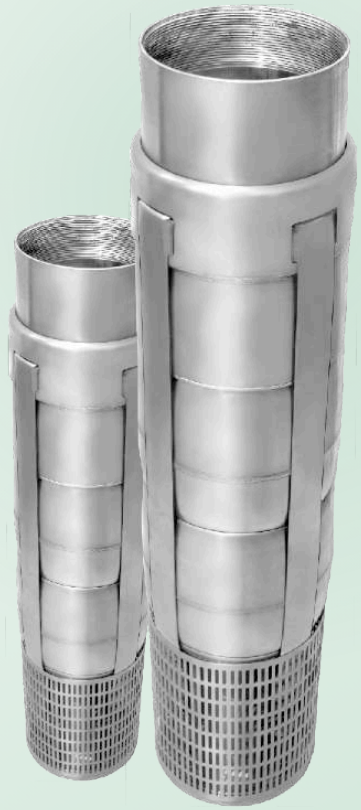


MIXED-FLOW · 250 MM BOREWELL

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
57.6–216 m³/h	up to 534 m	11–185 kW	45
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

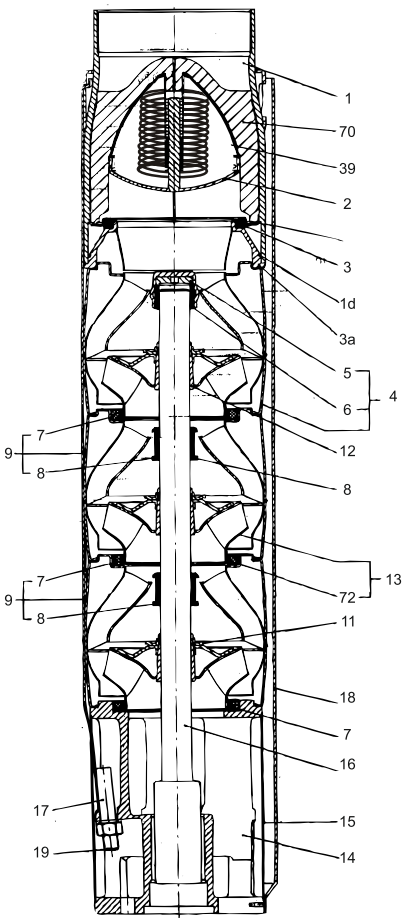
Flow, head and power figures above are derived from the performance tables in this section.

MATERIAL OF CONSTRUCTION

OSP-125 / OSP-160

OSP-125 / OSP-160 IDENTICAL SPECIFICATION

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
151.2 m³/h	57.6–187.2 m³/h	534 m	11–185 kW	6″	26

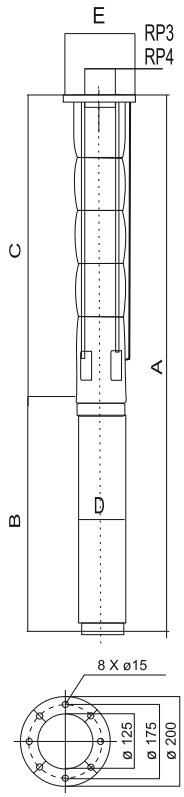
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	57.6	115.2	151.2	172.8	187.2
						0 L/min	960	1920	2520	2880	3120
						0 US gpm	253.6	507.1	665.6	760.7	824.1
						0 Imp. gpm	211.2	422.4	554.4	633.6	686.4
OSP-125/1-A(P4)60(6X10)	11	15	1-A	V-6	6″	30	28	23	**19**	14	9
OSP-125/1(P4)60(6X10)	18.5	25	1	V-6	6″	41	40	33	**29**	24	21
OSP-125/2-AA(P4)60(6X10)	22	30	2-AA	V-6	6″	60	56	46	**37**	27	19
OSP-125/2-A(P4)60(6X10)	26	35	2-A	V-6	6″	71	68	56	**47**	38	30
OSP-125/2(P4)60(6X10)	30	40	2	V-6	6″	82	80	66	**58**	49	42
OSP-125/3-AA(P4)60(6X10)	37	50	3-AA	V-6	6″	101	96	79	**66**	52	40
OSP-125/3-A(P4)60(6X10)	37	50	3-A	V-6	6″	112	108	89	**76**	63	51
OSP-125/3(P4)60(8X10)	45	60	3	V-8	6″	123	120	99	**86**	73	64
OSP-125/4-AA(P4)60(8X10)	55	75	4-AA	V-8	6″	142	136	112	**95**	76	61
OSP-125/4-A(P4)60(8X10)	55	75	4-A	V-8	6″	153	148	122	**105**	87	73
OSP-125/4(P4)60(8X10)	67	90	4	V-8	6″	164	160	132	**115**	98	85
OSP-125/5-AA(P4)60(8X10)	75	100	5-AA	V-8	6″	183	176	145	**124**	101	82
OSP-125/5-A(P4)60(8X10)	75	100	5-A	V-8	6″	194	188	155	**134**	112	94
OSP-125/5(P4)60(8X10)	75	100	5	V-8	6″	205	199	166	**144**	122	106
OSP-125/6-AA(P4)60(8X10)	75	100	6-AA	V-8	6″	224	216	178	**153**	125	103
OSP-125/6-A(P4)60(8X10)	93	125	6-A	V-8	6″	235	228	188	**163**	136	115
OSP-125/6(P4)60(8X10)	93	125	6	V-8	6″	246	239	199	**173**	147	127
OSP-125/7-AA(P4)60(8X10)	93	125	7-AA	V-8	6″	265	256	211	**181**	149	125
OSP-125/7-A(P4)60(8X10)	93	125	7-A	V-8	6″	276	267	221	**191**	161	136
OSP-125/7(P4)60(10X10)	110	150	7	V-10	6″	287	279	232	**202**	171	148
OSP-125/8(P4)60(10X10)	130	175	8	V-10	6″	328	319	265	**230**	196	169
OSP-125/9(P4)60(10X10)	130	175	9	V-10	6″	369	359	298	**259**	220	191
OSP-125/10(P4)60(10X10)	150	200	10	V-10	6″	410	399	331	**288**	245	212
OSP-125/11(P4)60(10X10)	185	250	11	V-10	6″	451	439	364	**317**	269	233
OSP-125/12(P4)60(10X10)	185	250	12	V-10	6″	492	479	397	**346**	294	254
OSP-125/13(P4)60(10X10)	185	250	13	V-10	6″	534	519	431	**374**	318	275

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 1-A to 3-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)60(6X10)	1-A	V-6	11	656	222	226	31.6	146
OSP-125/1(P4)60(6X10)	1	V-6	18.5	656	222	226	31.6	146
OSP-125/2-AA(P4)60(6X10)	2-AA	V-6	22	812	222	226	37.9	146
OSP-125/2-A(P4)60(6X10)	2-A	V-6	26	812	222	226	37.9	146
OSP-125/2(P4)60(6X10)	2	V-6	30	812	222	226	37.9	146
OSP-125/3-AA(P4)60(6X10)	3-AA	V-6	37	988	222	226	44.0	146
OSP-125/3-A(P4)60(6X10)	3-A	V-6	37	988	222	226	44.0	146
OSP-125/3(P4)60(8X10)	3	V-8	45	988	222	226	44.0	189
OSP-125/4-AA(P4)60(8X10)	4-AA	V-8	55	1144	222	226	50.3	189
OSP-125/4-A(P4)60(8X10)	4-A	V-8	55	1144	222	226	50.3	189
OSP-125/4(P4)60(8X10)	4	V-8	67	1144	222	226	50.3	189
OSP-125/5-AA(P4)60(8X10)	5-AA	V-8	75	1300	222	226	56.6	189
OSP-125/5-A(P4)60(8X10)	5-A	V-8	75	1300	222	226	56.6	189
OSP-125/5(P4)60(8X10)	5	V-8	75	1300	222	226	56.6	189
OSP-125/6-AA(P4)60(8X10)	6-AA	V-8	75	1456	222	226	63.0	189
OSP-125/6-A(P4)60(8X10)	6-A	V-8	93	1456	222	226	63.0	189
OSP-125/6(P4)60(8X10)	6	V-8	93	1456	222	226	63.0	189
OSP-125/7-AA(P4)60(8X10)	7-AA	V-8	93	1612	222	226	70.4	189
OSP-125/7-A(P4)60(8X10)	7-A	V-8	93	1612	222	226	70.4	189
OSP-125/7(P4)60(10X10)	7	V-10	110	1612	229	232	70.9	236
OSP-125/8(P4)60(10X10)	8	V-10	130	1768	229	232	77.4	236
OSP-125/9(P4)60(10X10)	9	V-10	130	1924	229	232	83.9	236
OSP-125/10(P4)60(10X10)	10	V-10	150	2080	229	232	90.4	236
OSP-125/11(P4)60(10X10)	11	V-10	185	2236	229	232	97.0	236
OSP-125/12(P4)60(10X10)	12	V-10	185	2392	229	232	103.5	236
OSP-125/13(P4)60(10X10)	13	V-10	185	2548	229	232	110.0	236

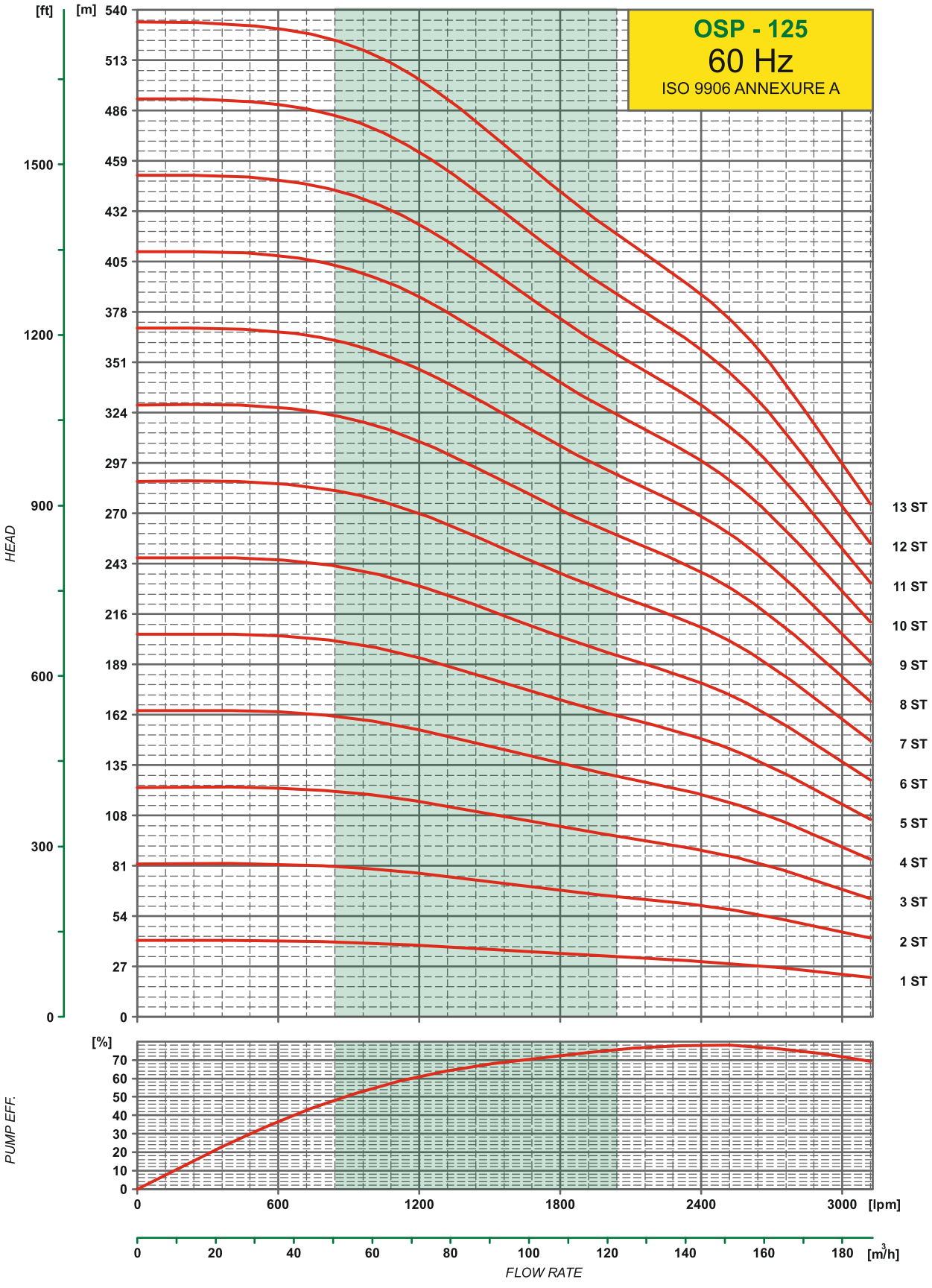
E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

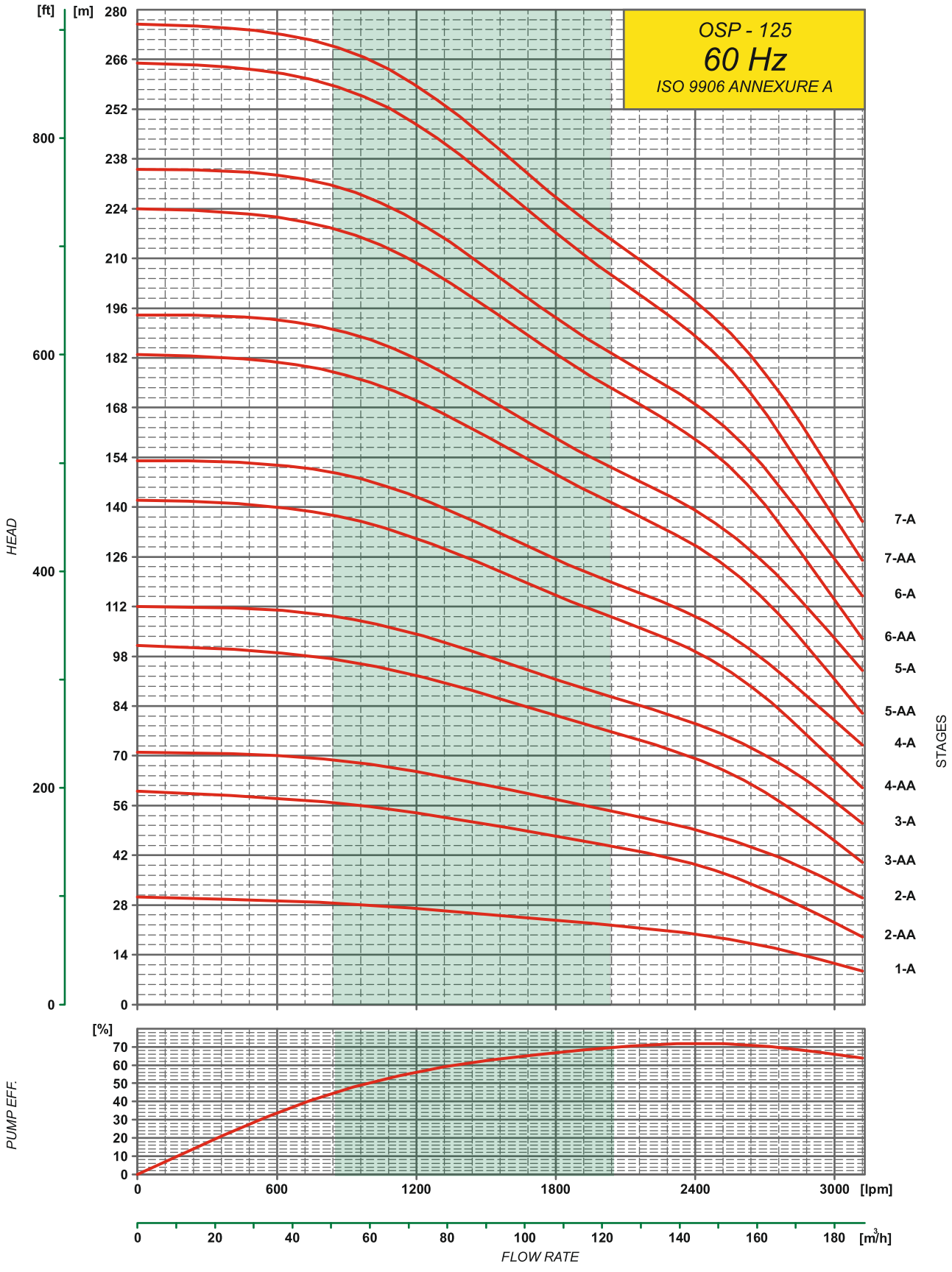
OSP-125 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



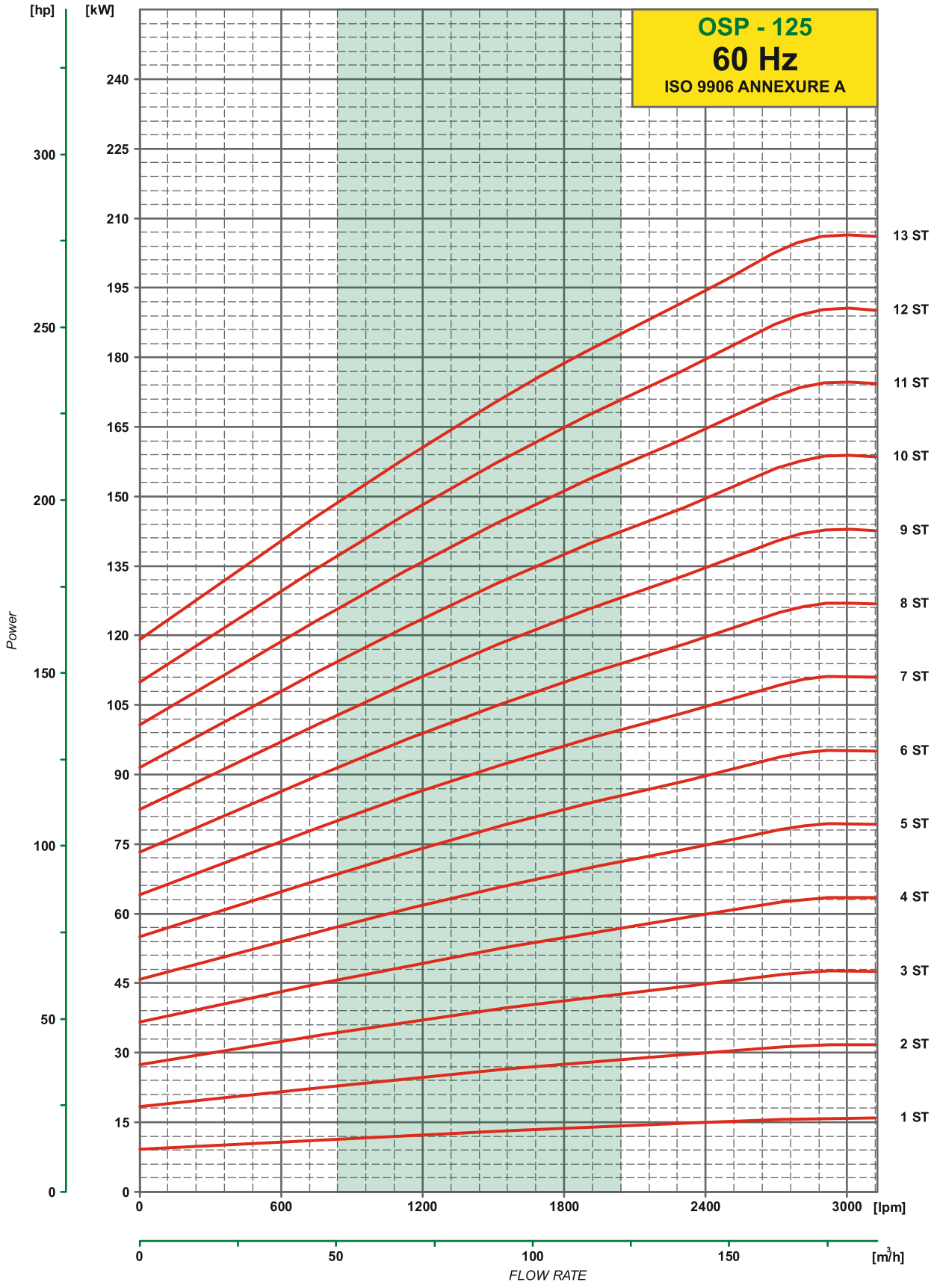
OSP-125 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



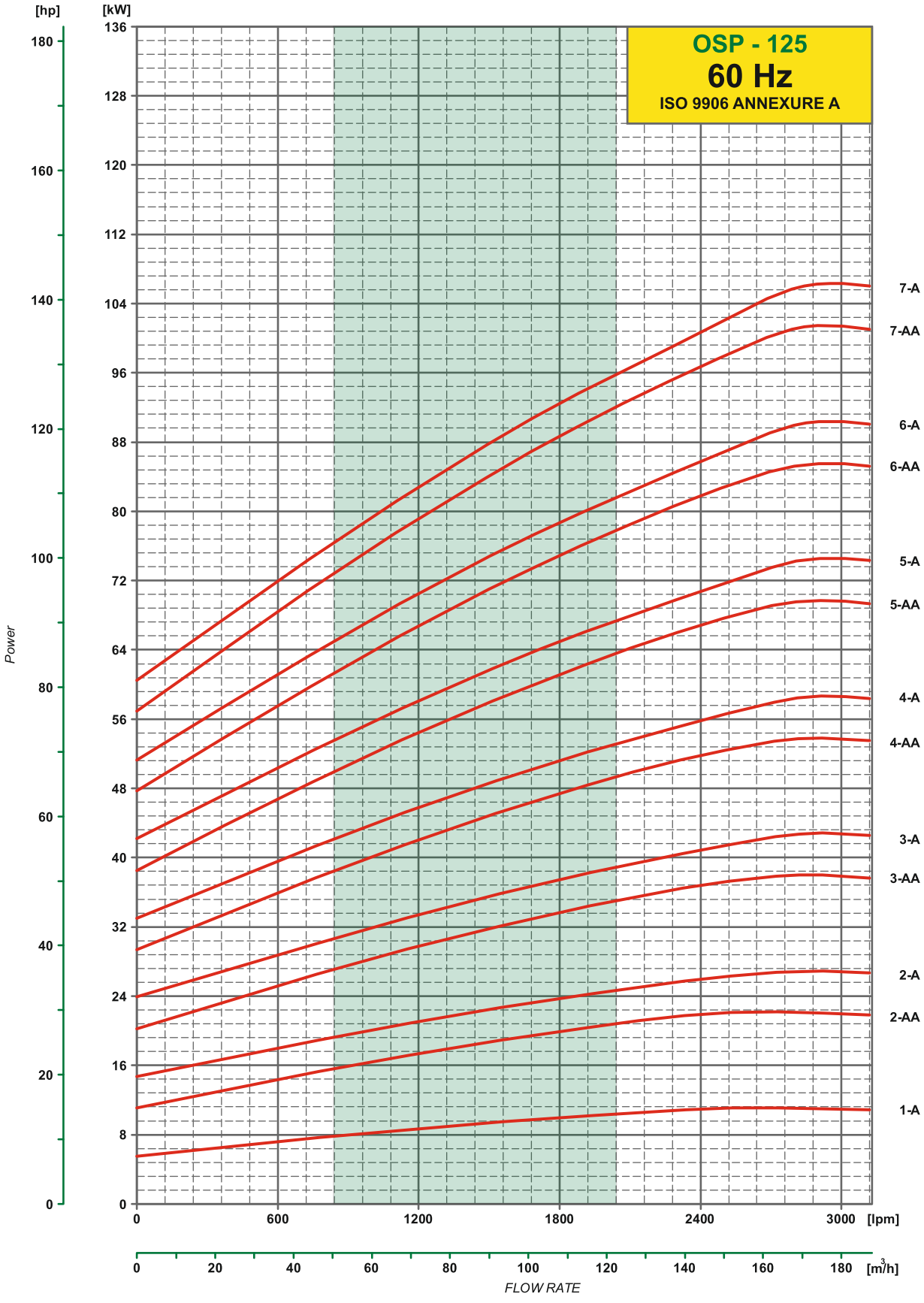
OSP-125 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-125 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 4 of 4



10″ · MIXED FLOW

OSP-160

Performance table

DUTY POINT	FLOW	MAX. HEAD	POWER	OUTLET	MODELS
194.4 m³/h	72–216 m³/h	461 m	15–185 kW	6″	19

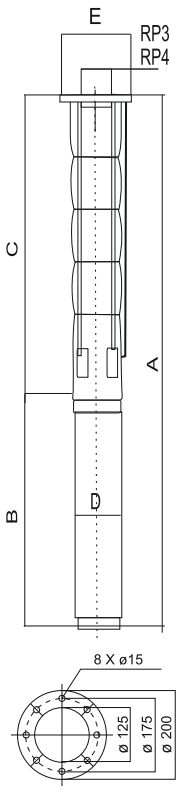
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q					
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	72	108	144	194.4	216
						0 L/min	1200	1800	2400	3240	3600
						0 US gpm	316.9	475.4	633.9	855.7	950.8
						0 Imp. gpm	264.0	396.0	528.0	712.8	792.0
OSP-160/1-A(P4)60(6X10)	15	20	1-A	V-6	6″	34	29	26	23	**17**	14
OSP-160/1(P4)60(6X10)	22	30	1	V-6	6″	46	42	38	34	**29**	25
OSP-160/2-AA(P4)60(6X10)	26	35	2-AA	V-6	6″	69	59	52	46	**34**	27
OSP-160/2-A(P4)60(6X10)	37	50	2-A	V-6	6″	80	72	63	56	**46**	39
OSP-160/2(P4)60(6X10)	37	50	2	V-6	6″	92	85	75	67	**58**	50
OSP-160/3-AA(P4)60(8X10)	45	60	3-AA	V-8	6″	115	101	90	80	**63**	53
OSP-160/3-A(P4)60(8X10)	55	75	3-A	V-8	6″	127	114	101	90	**75**	64
OSP-160/3(P4)60(8X10)	55	75	3	V-8	6″	138	127	113	101	**86**	76
OSP-160/4-AA(P4)60(8X10)	67	90	4-AA	V-8	6″	161	144	127	113	**92**	78
OSP-160/4-A(P4)60(8X10)	75	100	4-A	V-8	6″	173	157	139	124	**104**	89
OSP-160/4(P4)60(8X10)	75	100	4	V-8	6″	184	170	151	134	**115**	101
OSP-160/5-AA(P4)60(8X10)	93	125	5-AA	V-8	6″	207	186	165	147	**121**	103
OSP-160/5-A(P4)60(8X10)	93	125	5-A	V-8	6″	219	199	177	157	**132**	114
OSP-160/5(P4)60(8X10)	93	125	5	V-8	6″	230	212	189	168	**144**	126
OSP-160/6(P4)60(10X10)	110	150	6	V-10	6″	276	255	226	201	**173**	151
OSP-160/7(P4)60(10X10)	130	175	7	V-10	6″	323	297	264	235	**202**	176
OSP-160/8(P4)60(10X10)	150	200	8	V-10	6″	369	340	302	268	**230**	202
OSP-160/9(P4)60(10X10)	185	250	9	V-10	6″	415	382	340	302	**259**	227
OSP-160/10(P4)60(10X10)	185	250	10	V-10	6″	461	425	377	336	**288**	252

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A; see curve pages for full Q/H, efficiency and power curves. 1-A to 2 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)60(6X10)	1-A	V-6	15	656	222	226	31.6	146
OSP-160/1(P4)60(6X10)	1	V-6	22	656	222	226	31.6	146
OSP-160/2-AA(P4)60(6X10)	2-AA	V-6	26	812	222	226	37.9	146
OSP-160/2-A(P4)60(6X10)	2-A	V-6	37	812	222	226	37.9	146
OSP-160/2(P4)60(6X10)	2	V-6	37	812	222	226	37.9	146
OSP-160/3-AA(P4)60(8X10)	3-AA	V-8	45	988	222	226	44.3	189
OSP-160/3-A(P4)60(8X10)	3-A	V-8	55	988	222	226	44.3	189
OSP-160/3(P4)60(8X10)	3	V-8	55	988	222	226	44.0	189
OSP-160/4-AA(P4)60(8X10)	4-AA	V-8	67	1144	222	226	50.3	189
OSP-160/4-A(P4)60(8X10)	4-A	V-8	75	1144	222	226	50.3	189
OSP-160/4(P4)60(8X10)	4	V-8	75	1144	222	226	50.3	189
OSP-160/5-AA(P4)60(8X10)	5-AA	V-8	93	1300	222	226	56.6	189
OSP-160/5-A(P4)60(8X10)	5-A	V-8	93	1300	222	226	56.6	189
OSP-160/5(P4)60(8X10)	5	V-8	93	1300	222	226	56.6	189
OSP-160/6(P4)60(10X10)	6	V-10	110	1456	229	232	63.0	236
OSP-160/7(P4)60(10X10)	7	V-10	130	1612	229	232	69.3	236
OSP-160/8(P4)60(10X10)	8	V-10	150	1768	229	232	75.6	236
OSP-160/9(P4)60(10X10)	9	V-10	185	1924	229	232	81.9	236
OSP-160/10(P4)60(10X10)	10	V-10	185	2080	229	232	88.3	236

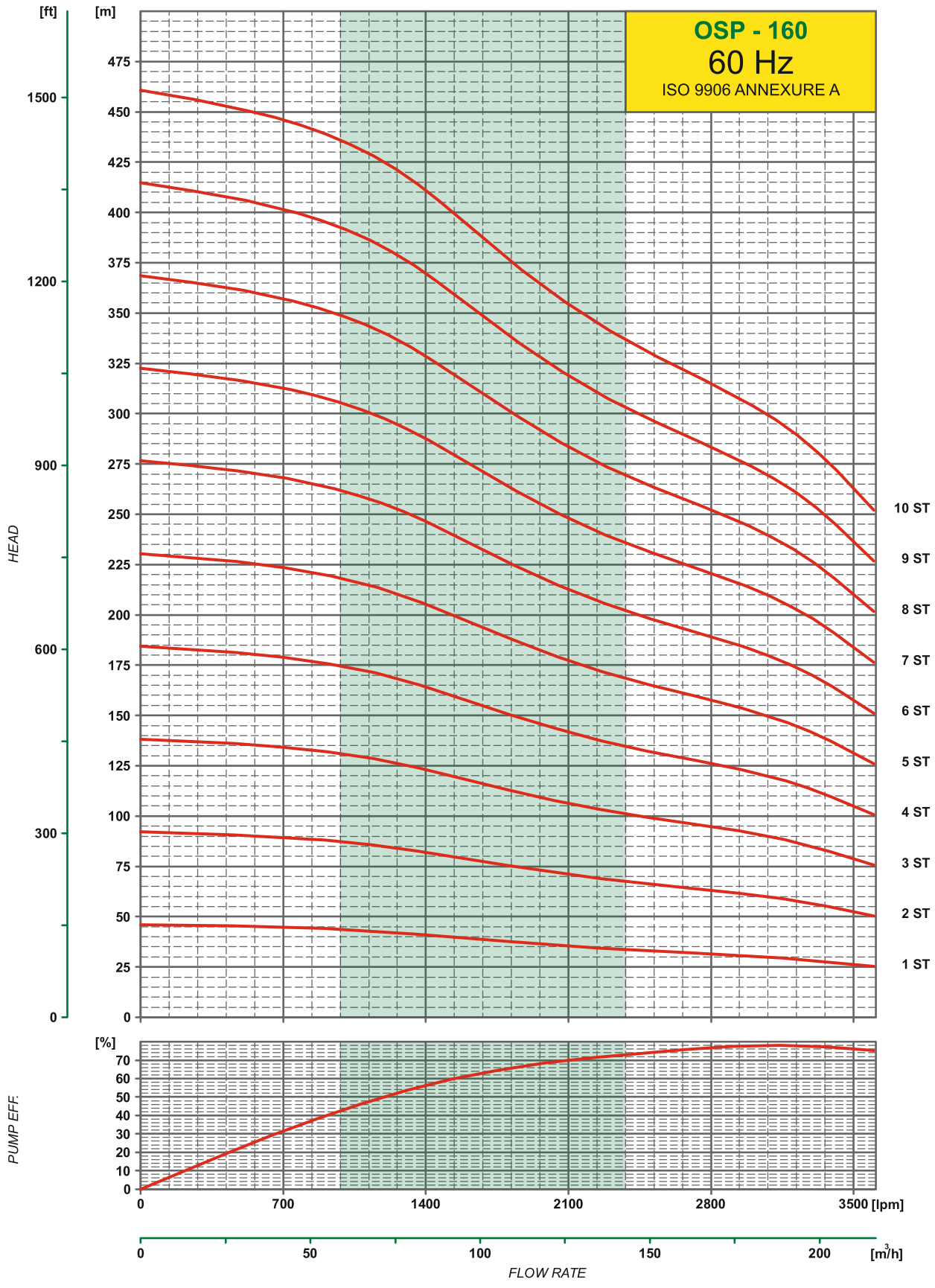
E* = max. diameter of pump with one motor cable; E** = with two motor cables. All lengths in mm. Dimension figure from the original drawing.



Dimensions A–E, Rp

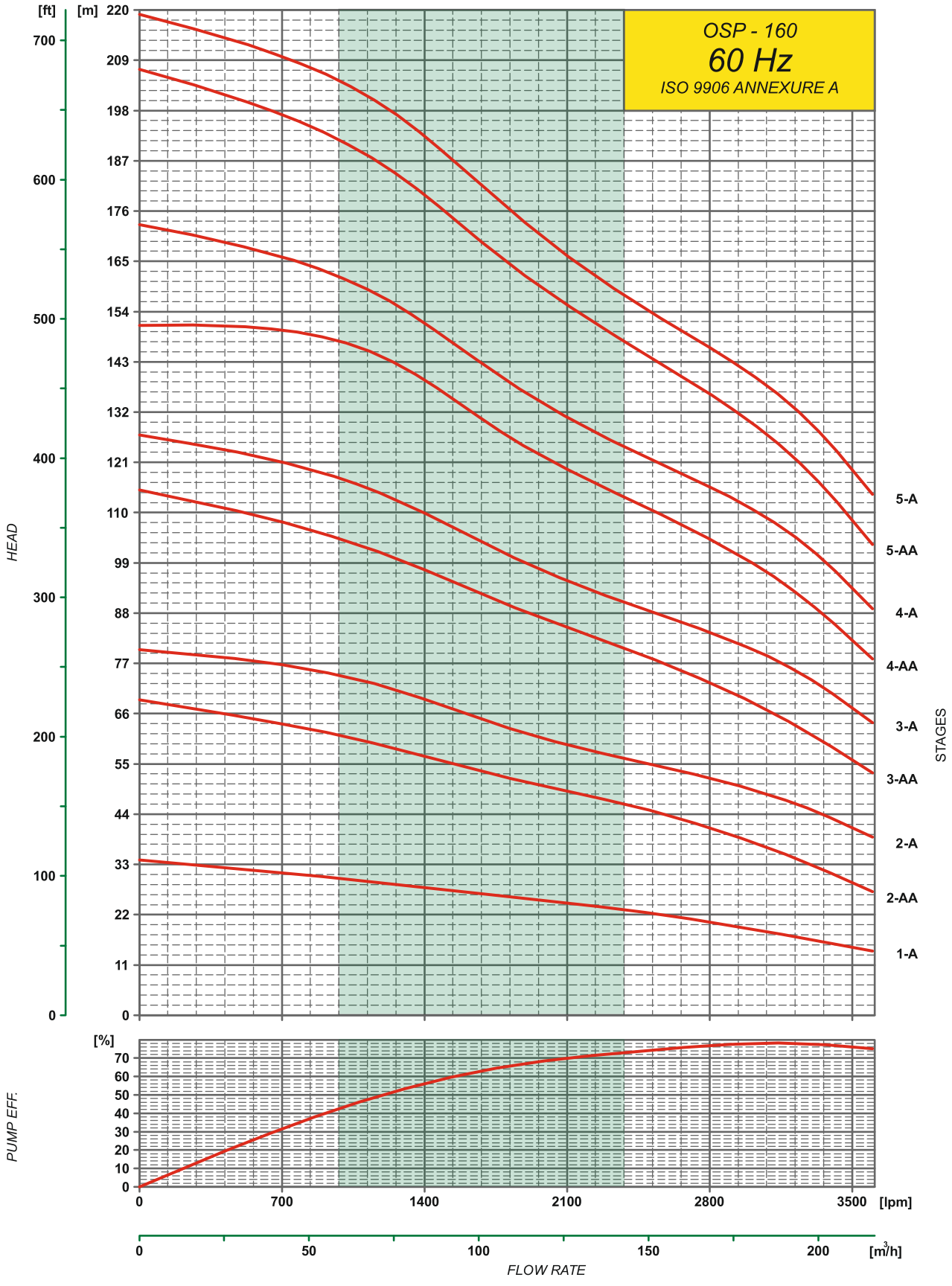
OSP-160 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 1 of 4



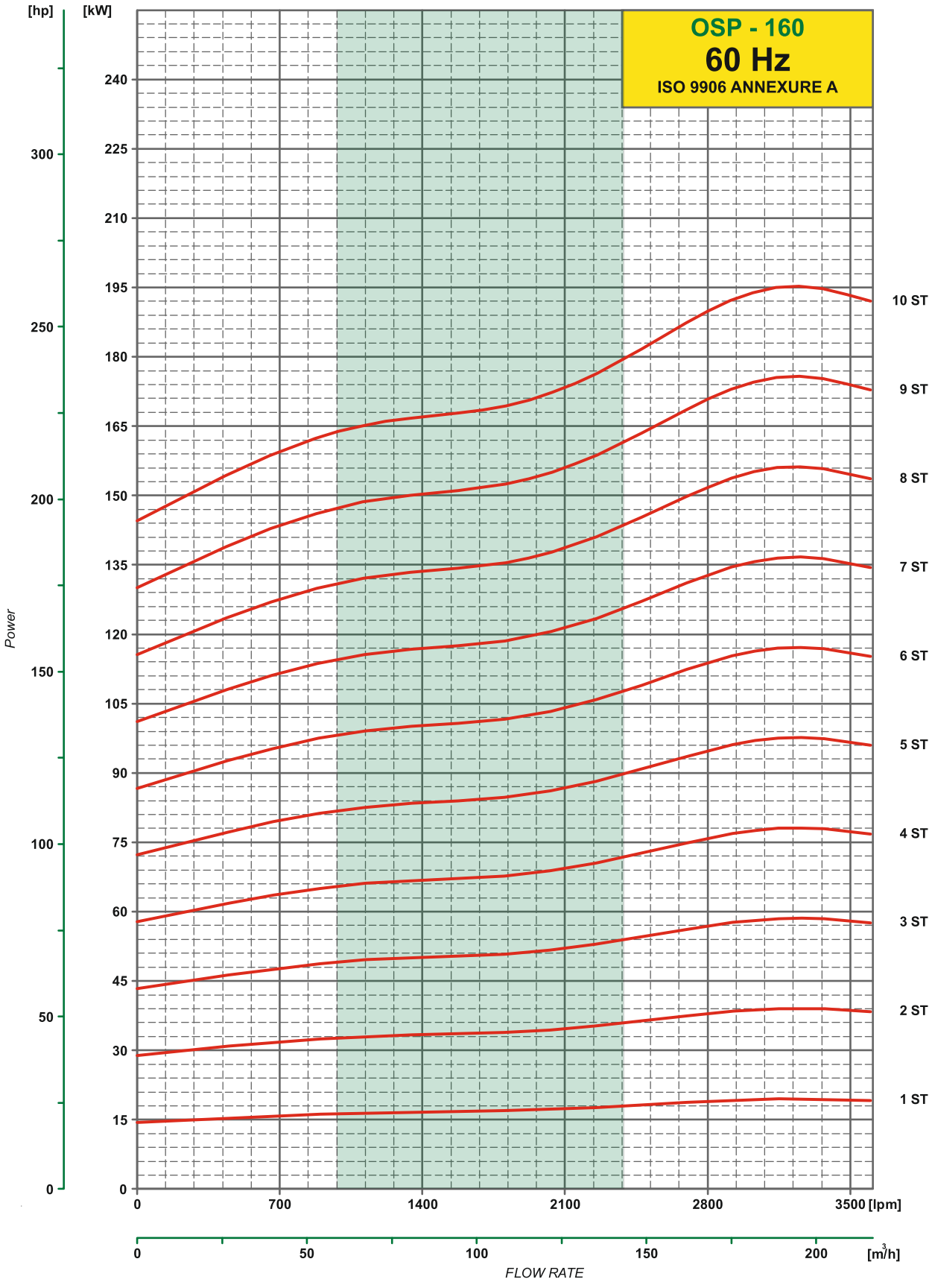
OSP-160 Performance curve (Q/H)

60 HZ · ISO 9906 ANNEX A
Sheet 2 of 4



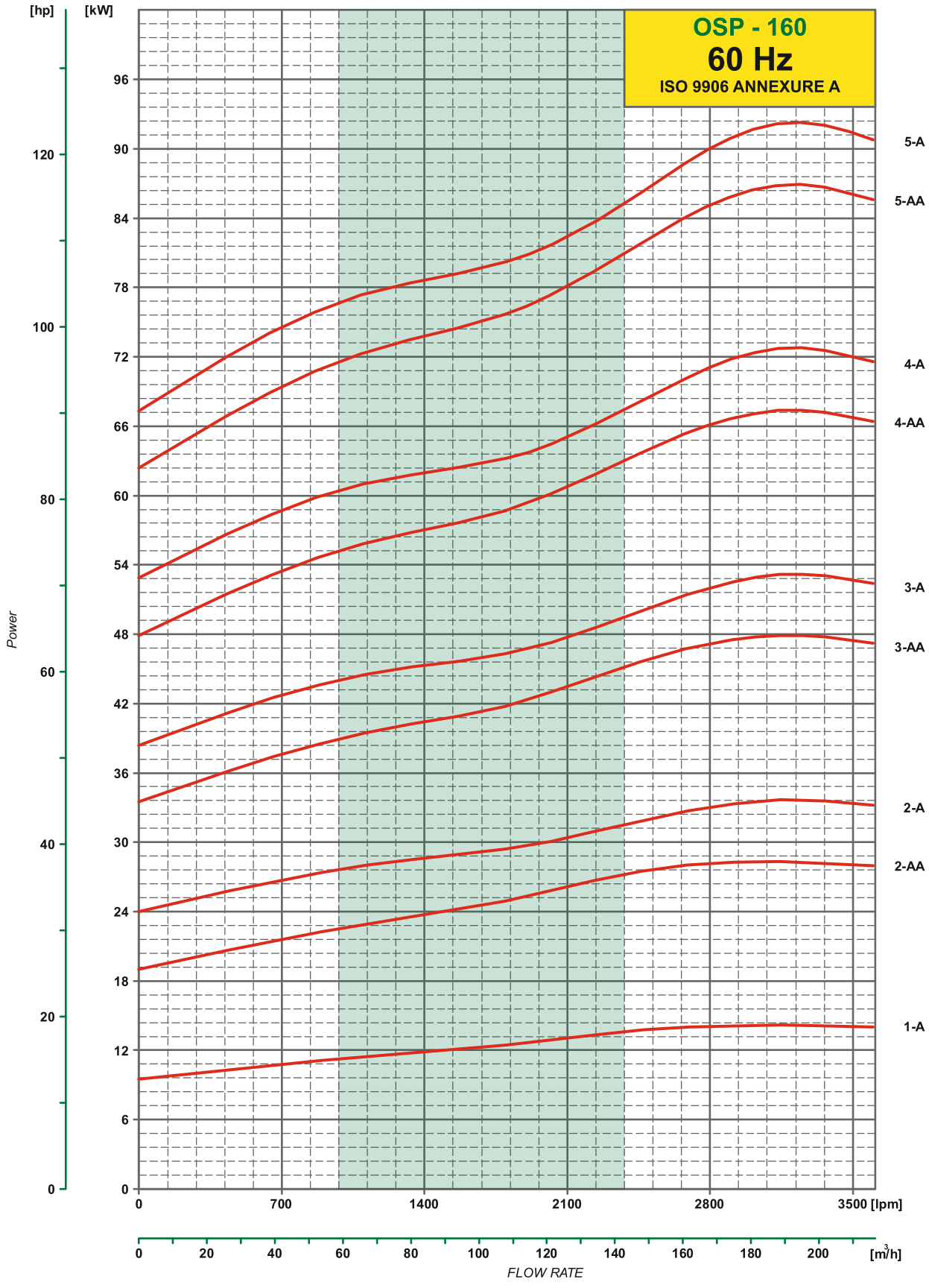
OSP-160 Power curve

60 HZ · ISO 9906 ANNEX A
Sheet 3 of 4



OSP-160 Power curve

60 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
108–331 m³/h	up to 393 m	22–185 kW	16
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
259 m³/h	108–331 m³/h	393 m	22–185 kW	6″	16

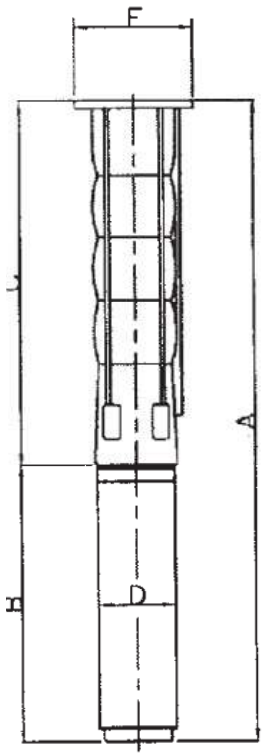
PUMP & MOTOR						TOTAL HEAD (M) AT FLOW RATE Q						
Model	kW	HP	Stages	Motor joining	Outlet	0 m³/h	108	173	216	259	288	331
						0 L/min	1800	2880	3600	4320	4800	5520
						0 US gpm	475.4	761.5	950.8	1140.1	1267.8	1457.1
						0 Imp. gpm	396.0	633.6	792.0	950.4	1056.0	1214.4
OSP-215/1-A(P4)60(6X12)	22	30	1-A	V-6	6″	39	34	29	25	**19**	14	6
OSP-215/1(P4)60(6X12)	30	40	1	V-6	6″	56	51	43	40	**35**	32	23
OSP-215/2-AA(P4)60(8X12)	45	60	2-AA	V-8	6″	78	69	59	50	**39**	29	12
OSP-215/2-A(P4)60(8X12)	55	75	2-A	V-8	6″	95	85	72	65	**54**	46	29
OSP-215/2(P4)60(8X12)	67	90	2	V-8	6″	112	102	86	79	**71**	63	46
OSP-215/3-AA(P4)60(8X12)	75	100	3-AA	V-8	6″	134	120	102	89	**73**	60	46
OSP-215/3-A(P4)60(8X12)	93	125	3-A	V-8	6″	151	137	115	104	**89**	78	52
OSP-215/3(P4)60(8X12)	93	125	3	V-8	6″	168	153	130	119	**106**	95	69
OSP-215/4-AA(P4)60(10X12)	110	150	4-AA	V-10	6″	190	171	145	130	**109**	92	58
OSP-215/4-A(P4)60(10X12)	110	150	4-A	V-10	6″	207	187	158	144	**125**	109	75
OSP-215/4(P4)60(10X12)	110	150	4	V-10	6″	225	204	173	158	**141**	127	92
OSP-215/5-AA(P4)60(10X12)	130	175	5-AA	V-10	6″	246	222	189	168	**144**	124	78
OSP-215/5-A(P4)60(10X12)	130	175	5-A	V-10	6″	264	239	202	183	**160**	141	98
OSP-215/5(P4)60(10X12)	150	200	5	V-10	6″	281	256	216	198	**176**	158	115
OSP-215/6(P4)60(10X12)	185	250	6	V-10	6″	337	307	259	238	**212**	190	138
OSP-215/7(P4)60(10X12)	185	250	7	V-10	6″	393	358	302	277	**247**	222	161

Heads in metres at the flow rates shown (m³/h, L/min, US and Imperial gpm). Highlighted column = duty point. Performance at 60 Hz to ISO 9906 Annex A. 1-A to 1 stages also available with 8″ motor joining (printed “8X10”; for a 12″ pump 8X12 is expected — to be confirmed).

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)60(6X12)	1-A	V-6	22	696	241	247	38.0	146
OSP-215/1(P4)60(6X12)	1	V-6	30	696	241	247	38.0	146
OSP-215/2-AA(P4)60(8X12)	2-AA	V-8	45	872	241	247	47.4	189
OSP-215/2-A(P4)60(8X12)	2-A	V-8	55	872	241	247	47.4	189
OSP-215/2(P4)60(8X12)	2	V-8	67	872	241	247	47.0	189
OSP-215/3-AA(P4)60(8X12)	3-AA	V-8	75	1048	241	247	56.5	189
OSP-215/3-A(P4)60(8X12)	3-A	V-8	93	1048	241	247	56.5	189
OSP-215/3(P4)60(8X12)	3	V-8	93	1048	241	247	56.5	189
OSP-215/4-AA(P4)60(10X12)	4-AA	V-10	110	–	–	–	–	236
OSP-215/4-A(P4)60(10X12)	4-A	V-10	110	–	–	–	–	236
OSP-215/4(P4)60(10X12)	4	V-10	110	–	–	–	–	236
OSP-215/5-AA(P4)60(10X12)	5-AA	V-10	130	–	–	–	–	236
OSP-215/5-A(P4)60(10X12)	5-A	V-10	130	–	–	–	–	236
OSP-215/5(P4)60(10X12)	5	V-10	150	–	–	–	–	236
OSP-215/6(P4)60(10X12)	6	V-10	185	–	–	–	–	236
OSP-215/7(P4)60(10X12)	7	V-10	185	–	–	–	–	236

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

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

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