



SHAKTI VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



SCR, SCRI, SCRN
(50 HZ BOOKLET)



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PRODUCT DATA

INTRODUCTION



FEATURES AND BENEFITS

1. High efficiency
2. Reliability
3. Service friendly
4. Space - saving
5. Suitable for slightly aggressive liquids

APPLICATIONS

1. Washing system
2. Cooling and air conditioning system
3. Water treatment system
4. Fire fighting system
5. Industrial plants
6. Boiler feeding systems

TECHNICAL DATA

Flow 'Q'	Max 180m ³ /h
Head "H"	Max 322m
Liquid Temperature	-40 °C to +180 °C

SHAKTI SCR, SCRI, SCRN pump is a non - self priming, vertical multistage centrifugal pump. The in - line design enables the pump to be installed in a horizontal one - pipe system where the suction and discharge ports are in the same horizontal plane and have the same pipe dimensions. This design provides a more compact pump design and pipe work.

SHAKTI SCR, SCRI, SCRN pumps come with various pump sizes and various numbers of stages to provide the flow and the pressure required.

SHAKTI SCR, SCRI, SCRN pumps are suitable for a variety of applications from pumping of potable water to pumping of chemicals. The pumps are therefore used in a wide diversity of pumping systems where the performance and material of the pump meet specific demands.

The pump unit consists of optimized hydraulics, various types of connections, an outer sleeve, a top and various other parts. **SHAKTI SCR, SCRI, SCRN** pumps are available in various material versions according to the pumped liquid.

PRODUCT DATA

APPLICATIONS

APPLICATIONS	SCR, SCRI	SCRN
WATER SUPPLY		
Filtration & transfer at waterworks	◆	◇
Distribution from waterwork	◆	◇
Pressure boosting in mains	◆	◇
Pressure boosting in high-rise building, hotels, hospitals etc.	◆	◇
Pressure boosting for industrial water supply	◆	◇
INDUSTRY		
Pressure Boosting In-		
Process water system	◆	◆
Washing & cleaning system	◆	◆
Vehicle washing tunnel	◆	◇
Fire fighting tunnel	◆	
Liquid Transfer In-		
Cooling & air-conditioning	◆	◇
Boiler feed & condensate system	◆	◇
Machine tool	◆	◆
Aqua farming	◆	◇
Transfer Of-		
Oils & alcohols	◆	◆
Acids & alkalis		◆
Glycol & coolents	◆	
WATER TREATMENT		
Ultra-filtration system		◆
Reverse osmosis system		◆
Softening ionising		◆
Distillation system		◆
Separators	◆	◆
Swimming baths		◆
IRRIGATION		
Field irrigation	◆	◇
Sprinkler irrigation	◆	◇
Drip-feed irrigation	◆	◇

◆ Recommended version

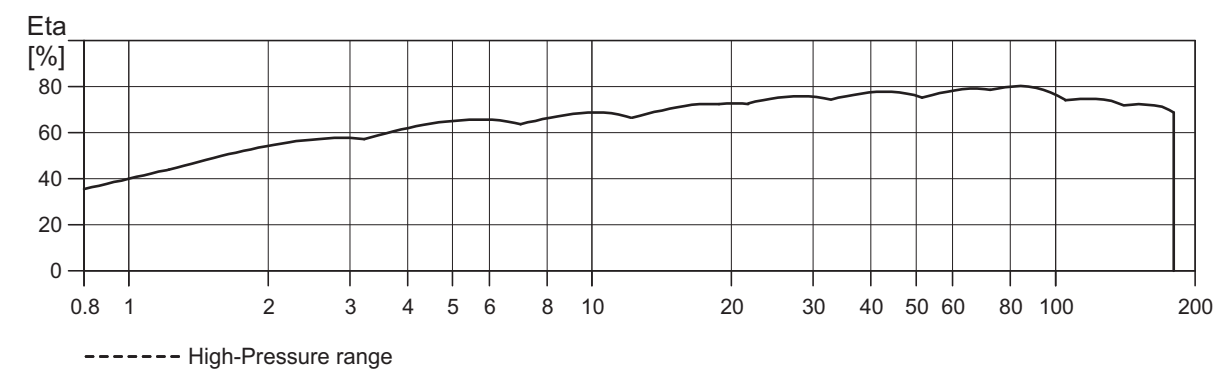
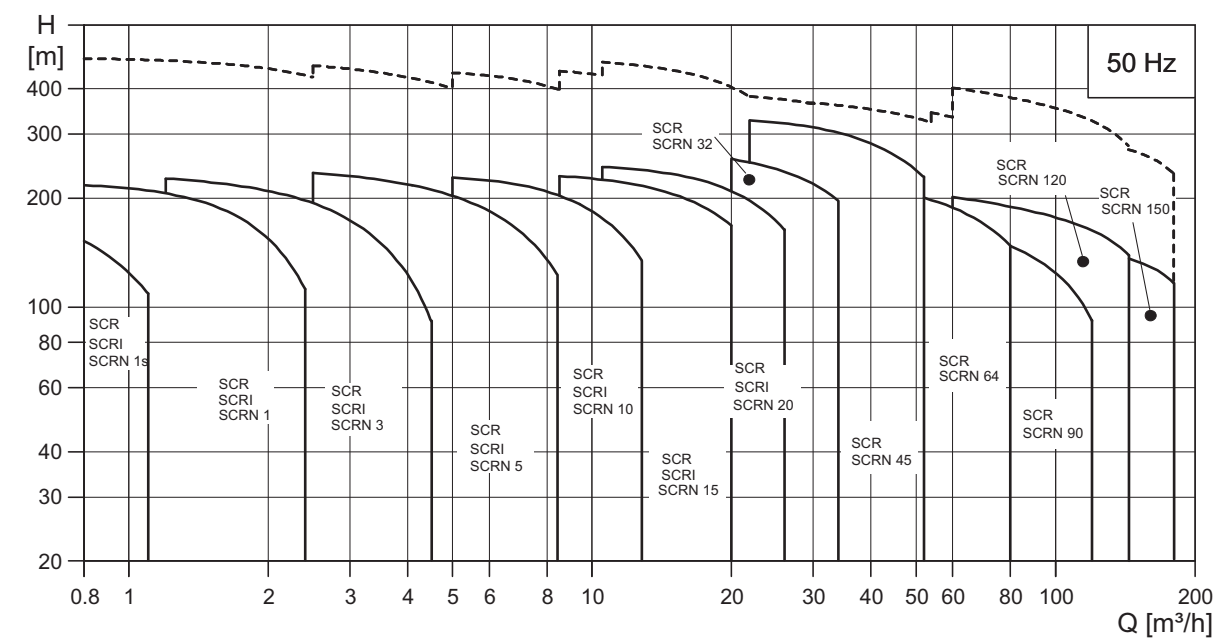
◇ Alternative version

PRODUCT RANGE

PRODUCT RANGE

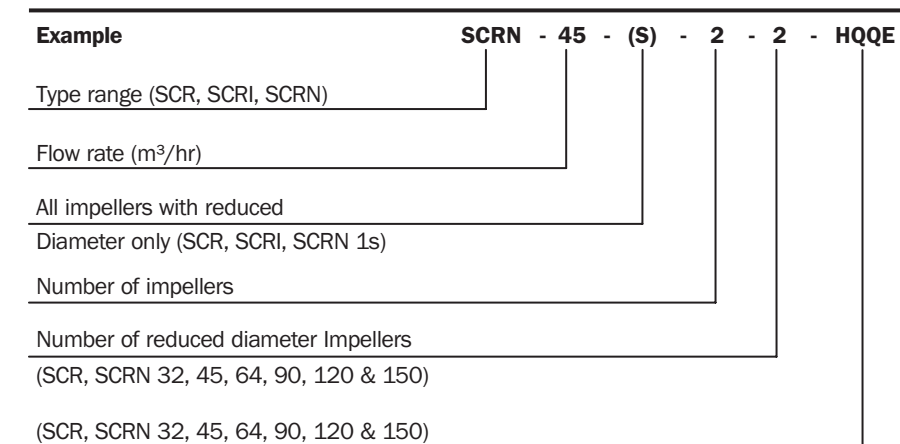
Range	SCR, SCRI, SCRN 1s	SCR, SCRI, SCRN 1	SCR, SCRI, SCRN 3	SCR, SCRI, SCRN 5	SCR, SCRI, SCRN 10	SCR, SCRI, SCRN 15	SCR, SCRI, SCRN 20	SCR, SCRI, SCRN 32	SCR, SCRI, SCRN 45	SCR, SCRI, SCRN 64	SCR, SCRI, SCRN 90	SCR, SCRI, SCRN 120	SCR, SCRI, SCRN 150
Nominal flow rate (m ³ /h)	0.8	1	3	5	10	15	20	32	45	64	90	120	150
Temperature range (°C)	-30 to +120 °C												
Temperature range (°C) - on request	-40 to +180 °C												
Max pump efficiency (%)	35	48	58	62	70	72	74	68	79	80	81	75	72
Flow rate (m ³ /h)	0.3-1.1	0.7-2.4	1.2-4.5	2.5-8.5	5-13	9-24	11-29	15-40	22-58	30-85	45-120	60-160	75-180
Motor power (kW)	0.37-1.1	0.37-2.2	0.37-3	0.37-5.5	0.37-7.5	1.1-15	1.1-18.5	1.5-30	3-45	4-45	5.5-45	11-75	11-75
Max pressure (bar)	21	22	24	24	22	23	23	28	33	22	20	21	19
High pressure (bar) - On request	-	47	41	47	44	47	48	39	39	39	41	41	39
Flange	DN 25/32	DN 25/32	DN 25/32	DN 25/32	DN 40	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100	DN 125	DN 125

PERFORMANCE RANGE OF SCR, SCRI, SCRN



TYPE OF KEYS & CONSTRUCTION

TYPE KEYS SCR, SCRI, SCRN

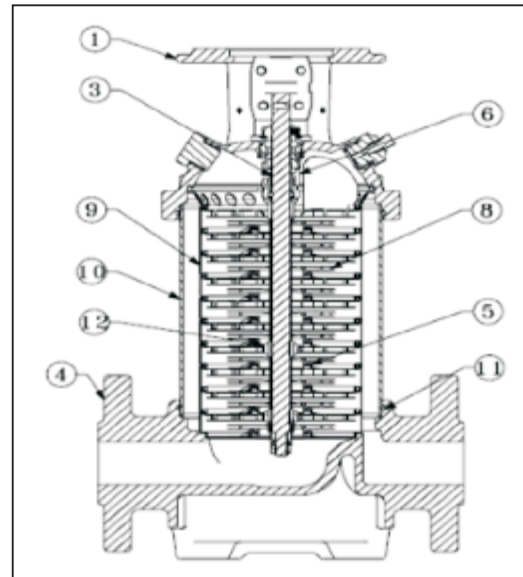


SHAFT SEAL CODE

- H Balanced cartridge seal (1st letter)
- Q Silicon carbide
- U Tungsten carbide (2nd & 3rd letter)
- B Carbon
- E EPDM
- F FXM (4th letter)
- K FFKM
- V FKM

TYPE OF KEYS & CONSTRUCTION

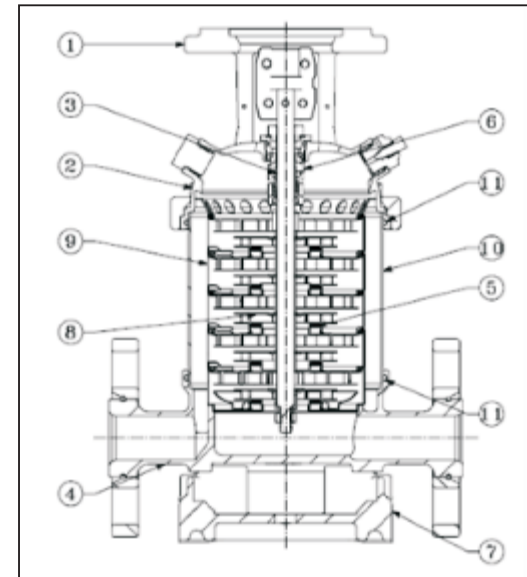
**SECTIONAL DRAWING SCR
1S, 3, 5, 10, 15 & 20**



Materials SCR

Pos	Designation	Material
1	Pump head	Cast iron
3	Pump shaft	Duplex
4	Pump base	Cast iron
5	Neck ring	PTFE
6	Mech. Seal	
8	Impeller	SS 304
9	Chamber	SS 304
10	Outer sleeve	SS 304
11	O-ring	EPDM/FKM
12	Chamber bush	PTFE

**SECTIONAL DRAWING SCRI, SCRN
1S, 3, 5, 10, 15 & 20**

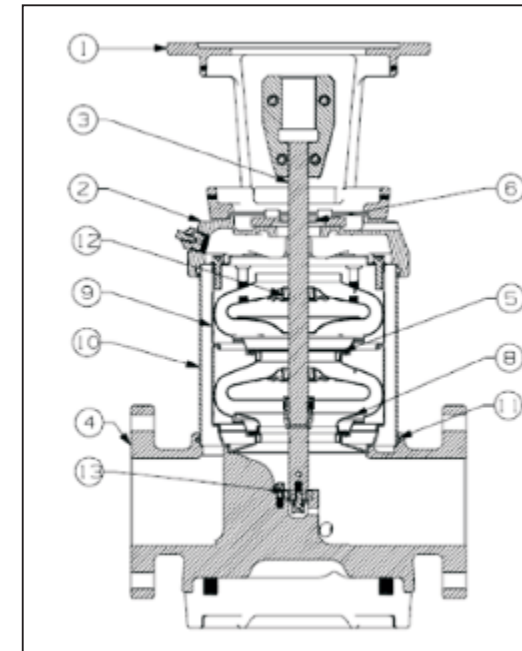


Materials SCRI, SCRN

Pos	Designation	Material SCRI	Material SCRN
1	Pump head	Cast iron	
2	Pump head cover	SS 304	SS 316
3	Pump shaft	Duplex	Duplex
4	Pump base	SS 304	SS 316
5	Neck ring	PTFE	
6	Mech. Seal	Cartridge type	
7	Base plate	Cast iron	
8	Impeller	SS 304	AISI 316
9	Chamber	SS 304	AISI 316
10	Outer sleeve	SS 304	AISI 316
11	O-ring	EPDM/FKM	

TYPE OF KEYS & CONSTRUCTION

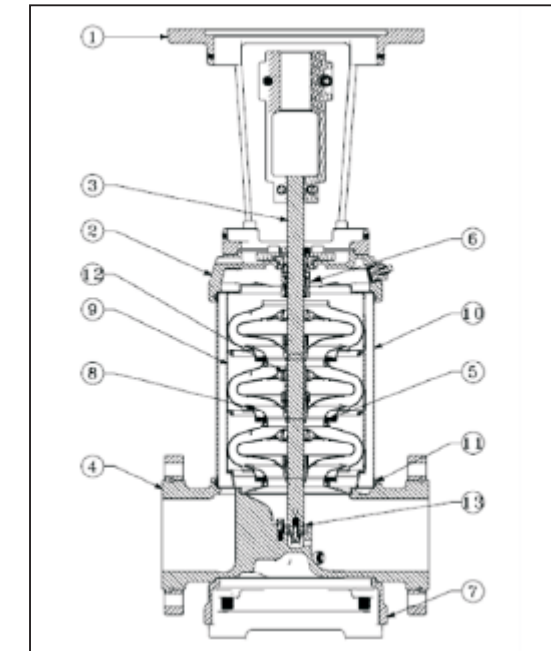
**SECTIONAL DRAWING SCR
32, 45, 64 & 90**



Materials SCR

Pos	Designation	Material
1	Pump head	Cast iron
2	Pump head cover	Cast iron
3	Pump shaft	Duplex
4	Pump base	Cast Iron
5	Neck ring	PTFE
6	Mech. Seal	
8	Impeller	SS 304
9	Chamber	SS 304
10	Outer sleeve	SS 304
11	O-ring	EPDM/FKM
12	Chamber bush	Bronze
13	Pump base bush	Tungsten

**SECTIONAL DRAWING SCRN
32, 45, 64 & 90**

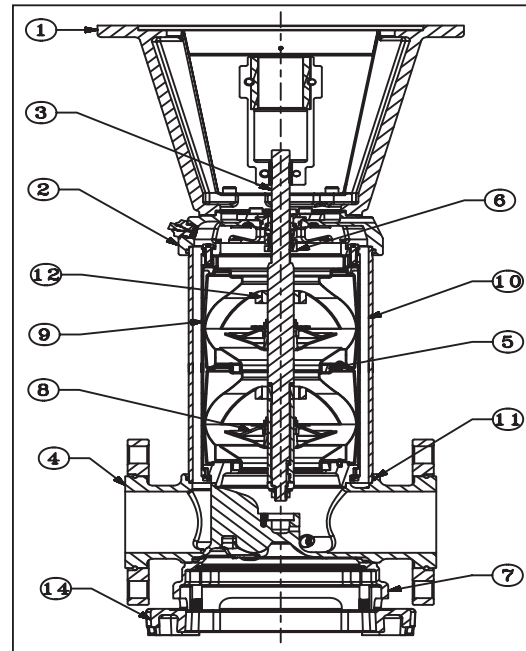


Materials SCRN

Pos	Designation	Material
1	Pump head	Cast iron
2	Pump head cover	SS 316
3	Pump shaft	Duplex
4	Pump base	SS 316
5	Neck ring	PTFE
6	Mech. Seal	
7	Base plate	Cast iron
8	Impeller	SS 316
9	Chamber	SS 316
10	Outer sleeve	SS 316
11	O-ring	EPDM/FKM
12	Chamber bush	Bronze
13	Pump base bush	Tungsten

TYPE OF KEYS & CONSTRUCTION

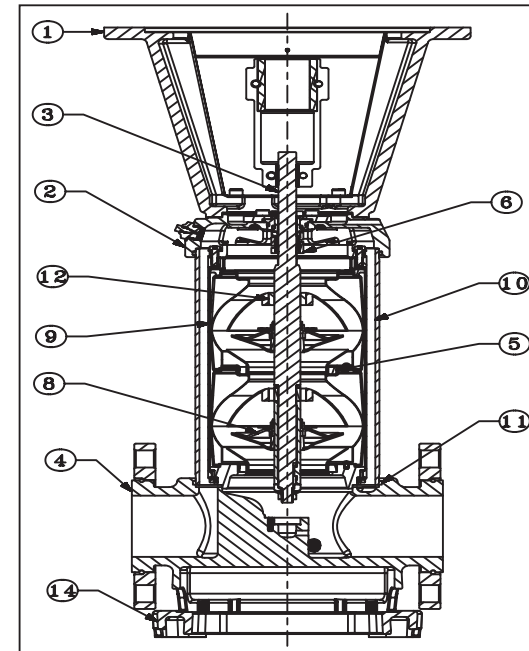
SECTIONAL DRAWING SCRN 120 & 150



Materials SCRN 120 & 150

Pos	Designation	Material
1	Pump head	Cast iron
2	Pump head cover	SS 316
3	Pump shaft	Duplex
4	Pump base	SS 316
5	Neck ring	PTFE
6	Mech. Seal	
7	Base Plate	Cast iron
8	Impeller	SS 316
9	Chamber	SS 316
10	Outer sleeve	SS 316
11	O-ring	EPDM/FKM
12	Chamber bush	Bronze
13	Pump base bush	Tungsten
14	Pump base plate	Cast iron

SECTIONAL DRAWING SCR 120 & 150



Materials SCR 120 & 150

Pos	Designation	Material
1	Pump head	Cast iron
2	Pump head cover	Cast iron
3	Pump shaft	Duplex
4	Pump base	Cast iron
5	Neck ring	PTFE
6	Mech. Seal	
7	Impeller	SS 304
8	Chamber	SS 304
9	Outer sleeve	SS 304
10	O-ring	EPDM/FKM
11	Chamber bush	Bronze
12	Pump base bush	Tungsten
13	Pump base plate	Cast iron

OPERATING AND INLET PRESSURES

MAXIMUM INLET PRESSURE

The following table shows the maximum permissible inlet pressure. However, the current inlet pressure + the pressure against a closed valve must always be lower than the maximum permissible operating pressure.

If the maximum permissible operating pressure is exceeded, the conical bearing in the motor may be damaged and the life of the shaft seal reduced.

SCR, SCRI, SCRN 15		
15-2	15-36	10(Kg)
SCR, SCRI, SCRN 1		
1-2	1-36	10(Kg)
SCR, SCRI, SCRN 3		
3-2	3-29	10(Kg)
3-31	3-36	15(Kg)
SCR, SCRI, SCRN 5		
5-2	5-16	10(Kg)
5-18	5-36	15(Kg)
SCR, SCRI, SCRN 10		
10-1	10-6	8(Kg)
10-7	10-22	10(Kg)
SCR, SCRI, SCRN 15		
15-1	15-3	8(Kg)
15-4	15-17	10(Kg)
SCR, SCRI, SCRN 20		
20-1	20-3	8(Kg)
20-4	20-17	10(Kg)
SCR, SCR32		
32-1-1	32-4	4(Kg)
32-5-2	32-10	10(Kg)
31-11	32-14	15(Kg)
SCR, SCR45		
45-1-1	45-2	4(Kg)
45-3-2	45-5	10(Kg)
45-6-2	45-13-2	15(Kg)
SCR, SCR64		
64-1-1	64-2-2	4(Kg)
64-2-1	64-4-2	10(Kg)
64-4-1	64-8-1	15(Kg)
SCR, SCR90		
90-1-1	90-1	4(Kg)
90-2-2	90-3-2	10(Kg)
90-3	90-6	15(Kg)
SCR, SCR120		
120-1	120-2-1	10(Kg)
120-2	120-5-1	15(Kg)
120-6-1	120-7	20(Kg)
SCR, SCR150		
150-1-1	150-1	10(Kg)
150-2-1	150-4-2	15(Kg)
150-5-2	150-6	20(Kg)

ELECTRIC - MOTOR

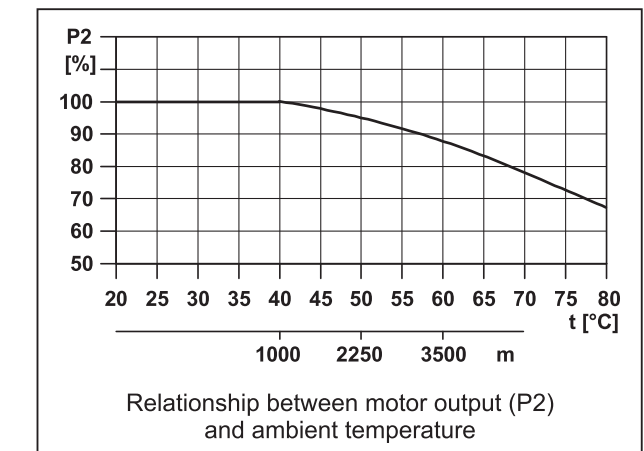
Full - enclosed two pole standard motor

Mounting designation	Up to 3.7 kW : B 14 (Phase mounting) From 5.5 kW : B1 (Flange mounting)
Insulation class	H
Enclosure class	IP 55
Standard voltages 50 Hz	1 x 220- 230/240V 3 x 380- 415V

AMBIENT TEMPERATURE

Ambient temperature: maximum +40°C

If the ambient temperature exceeds +40°C or if the motor is located 1000 meters above sea level, the motor output (P2) must be reduced due low cooling effect of the air. In such cases, it may be necessary to use a motor with a higher output.



CONVERSION

CONVERSION TABLE

Volume

1 Imperial Gallon (UK)	-	4.546 Litres
1 U.S. Gallon	-	3.785 Litres

Discharge Rate

1 Imperial Gallon/Minute	-	4.546 LPM	-	10 lbs of water
1 U.S. Gallon/Minute	-	3.785 LPM		
1m ³ /hr	-	1000 LPH		
1cu feet	-	28.32 Litres	-	62.4 lbs of water
1m ³ /hr	-	16.67 LPM		
1Litre/Second	-	60 LPM		

Pressure

1 Atmospheric Pressure	-	1.033 kg/cm ²
	-	14.7 lb/in ² (PSI)
	-	1.03 kg/cm ²
	-	33.9 feet of wc
1kg/Cm ²	-	10 mwc
	-	14.22 PSI
	-	1 bar

Power

1HP (SI)	-	0.746 kW
	-	746 W
1HP (Metric)	-	0.736 kW
	-	736 W
1 kW	-	1000 W
1 Unit	-	1 kW or 1000 W
1va	-	1 W

Length

1 inch	-	25.4 mm
	-	2.54 cm
1 meter	-	39.36 inch
	-	3.281 feet
	-	1000 mm
1 foot	-	304.8 mm
	-	12 inch
1 Acre	-	0.404 Hectare
1 Hectare	-	2.47 Acre

Conversion of centigrade to Fahrenheit degree.

$$F = (9C/5) + 32$$

Conversion of Fahrenheit to centigrade degree.

$$C = F - 32(5/9)$$

Speed (N)

$$\text{RPM Ns} = \frac{120 \times \text{frequency (f)}}{\text{No. of pole pairs (p)}}$$

Where,

- RPM- Revolution per Minute
- P - No. of pole pairs
- F - Frequency (Hz)

SELECTION AND SIZING

SELECTION OF PUMPS

Minimum inlet pressure - NPSH

Calculation of the inlet pressure "H" is recommended when...

- The liquid temperature is high
- The flow is significantly higher than the rated flow
- Water is drawn from depths
- Water is drawn through long pipes
- Inlet conditions are poor

To avoid cavitations, make sure that there is a minimum pressure on the suction side of pump. The maximum suction lift "H" in meters head can be calculated as follows:

$$H = pb \times 10.2 - \text{NPSH} - H_f - H_v - H_s$$

Pb=Barometric pressure in bar. (Barometric pressure can be sent to 1 bar). In closed systems, pb indicates the system pressure in bar.

NPSH= Net Positive Suction Head in meters head. (To be read from the NPSH curve at the highest flow pump will be delivering.)

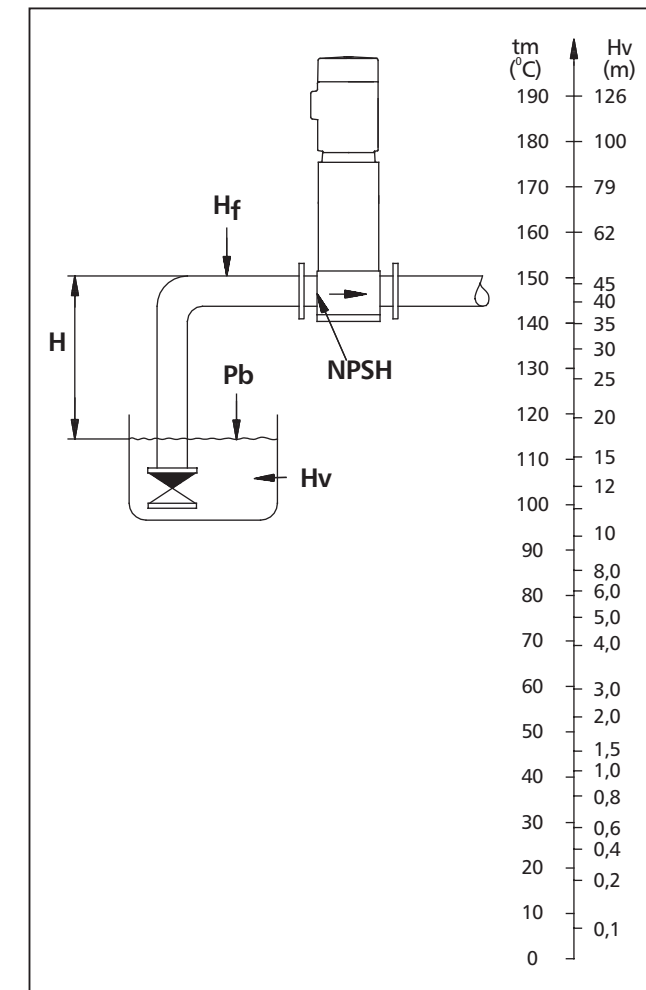
H=Friction loss in suction pipe in meters head. (At the highest flow the pump will be delivering.)

Hv=Vapor pressure in meters head. (To be read from the vapor pressure scale. "Hv" depends on the liquid temperature "Tm").

Hs=Safety margin = minimum 0.5 meters head.

If the "H" calculated is positive, the pump can operate at a suction lift of maximum "H" meters head.

If the "H" calculated is negative, an inlet pressure of minimum "H" meters head is required.

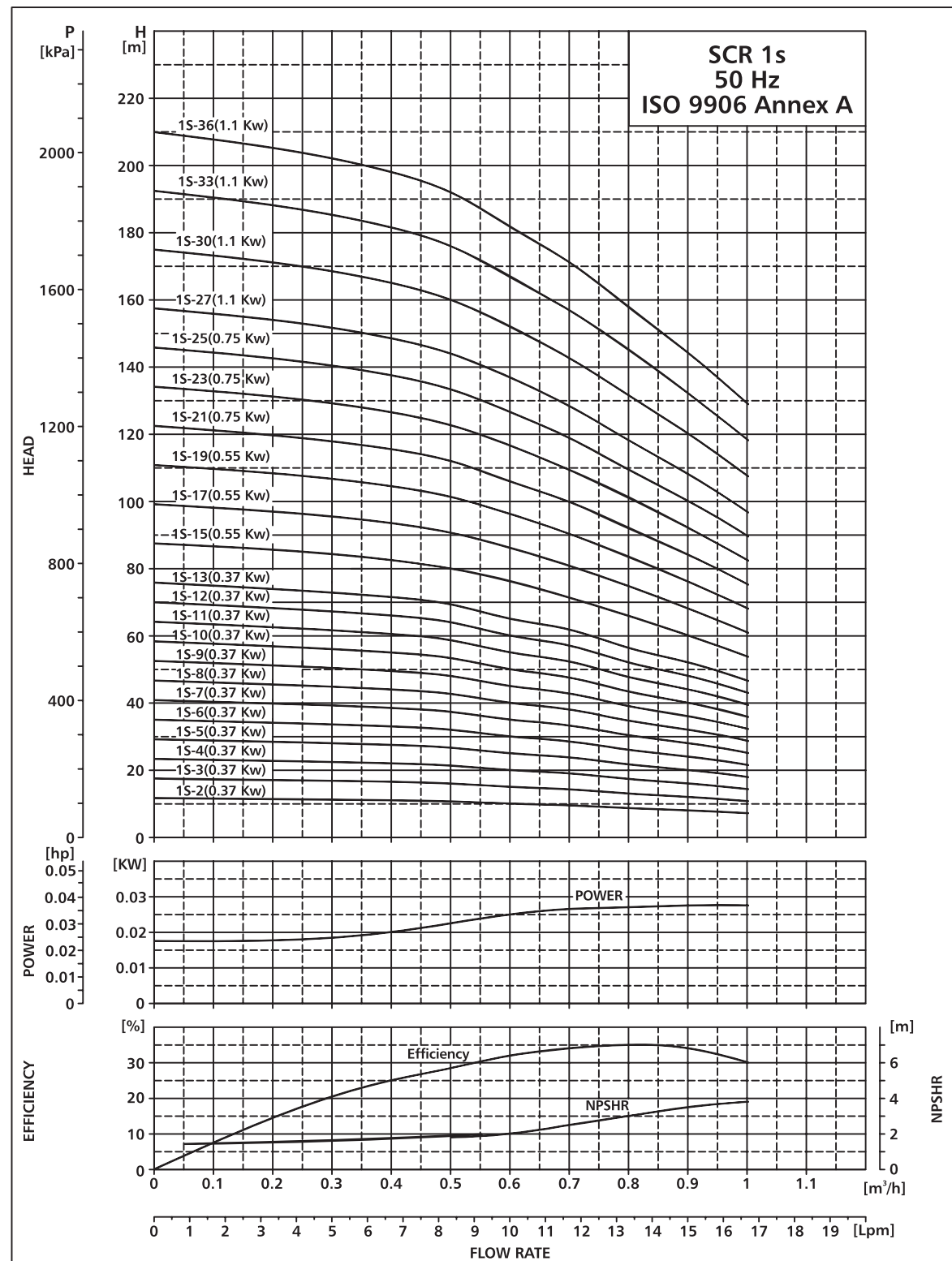


Note: In order to avoid cavitation never, select a pump whose duty point lies too far to the right on the NPSH curve. Always check the NPSH value of the pump at the highest possible flow.

PERFORMANCE CURVE

SCR 1s

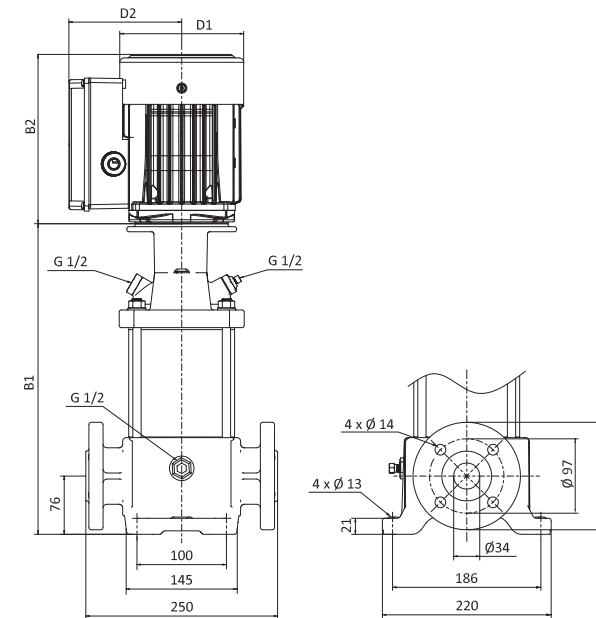
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR 1s

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR 1s-2	261	457	141	127	-	23.0
SCR 1s-3	279	475	141	127	-	23.0
SCR 1s-4	297	493	141	127	-	23.0
SCR 1s-5	315	511	141	127	-	24.0
SCR 1s-6	333	529	141	127	-	24.0
SCR 1s-7	351	547	141	127	-	24.0
SCR 1s-8	369	565	141	127	-	25.0
SCR 1s-9	387	583	141	127	-	25.0
SCR 1s-10	405	601	141	127	-	26.0
SCR 1s-11	423	619	141	127	-	26.0
SCR 1s-12	441	637	141	127	-	26.0
SCR 1s-13	459	655	141	127	-	27.0
SCR 1s-15	495	691	141	127	-	28.0
SCR 1s-17	531	780	141	127	-	29.0
SCR 1s-19	567	763	141	127	-	30.0
SCR 1s-21	610	845.5	141	127	-	32.0
SCR 1s-23	646	881.5	141	127	-	33.0
SCR 1s-25	682	917.5	141	127	-	34.0
SCR 1s-27	718	953.5	141	127	-	37.0
SCR 1s-30	772	1007.5	141	127	-	38.0
SCR 1s-33	826	1061.5	141	127	-	39.0
SCR 1s-36	880	1115.5	141	127	-	41.0

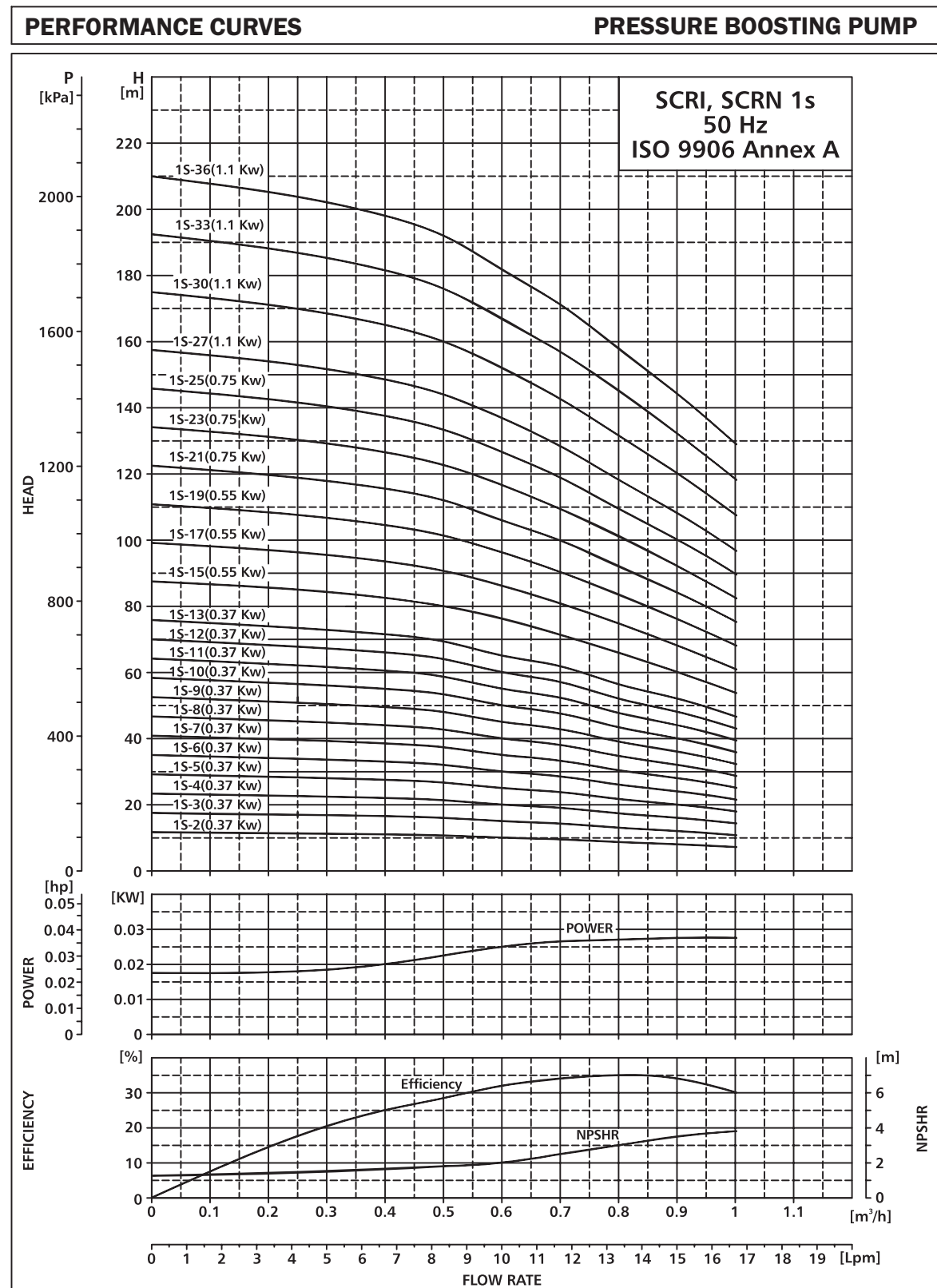
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	0	0	1.9	2	2.5	3	3.5	3.9
					0	0.4	0.5	0.6	0.7	0.8	0.9	1
					m³/h	LPM	LPM	LPM	LPM	LPM	LPM	LPM
SCR 1s-2	0.37	0.5	1.1	Head (Mtr)	12	11	11	10	9	9	8	7
SCR 1s-3	0.37	0.5	1.1		17	17	16	15	14	13	12	11
SCR 1s-4	0.37	0.5	1.1		23	22	21	20	19	17	16	14
SCR 1s-5	0.37	0.5	1.1		29	28	27	25	24	22	20	18
SCR 1s-6	0.37	0.5	1.1		35	33	32	30	28	26	24	22
SCR 1s-7	0.37	0.5	1.1		41	39	37	35	33	31	28	25
SCR 1s-8	0.37	0.5	1.1		46	44	42	40	38	35	32	29
SCR 1s-9	0.37	0.5	1.1		52	50	48	45	42	39	36	32
SCR 1s-10	0.37	0.5	1.1		58	55	53	50	47	44	40	36
SCR 1s-11	0.37	0.5	1.1		64	61	58	55	52	48	44	39
SCR 1s-12	0.37	0.5	1.1		70	66	64	60	57	52	48	43
SCR 1s-13	0.37	0.5	1.1		75	72	69	65	61	57	52	47
SCR 1s-15	0.55	0.75	1.5		87	83	80	75	71	66	60	54
SCR 1s-17	0.55	0.75	1.5		99	94	90	85	80	74	68	61
SCR 1s-19	0.55	0.75	1.5		110	105	101	95	89	83	76	68
SCR 1s-21	0.75	1	1.8		122	116	111	105	99	92	84	75
SCR 1s-23	0.75	1	1.8		133	127	122	115	108	101	92	83
SCR 1s-25	0.75	1	1.8		145	138	133	126	118	109	100	90
SCR 1s-27	1.1	1.5	2.5		157	149	143	136	127	118	108	97
SCR 1s-30	1.1	1.5	2.5		174	166	159	151	141	131	120	108
SCR 1s-33	1.1	1.5	2.5		191	182	175	166	155	144	132	118
SCR 1s-36	1.1	1.5	2.5		209	199	191	181	170	157	144	129

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

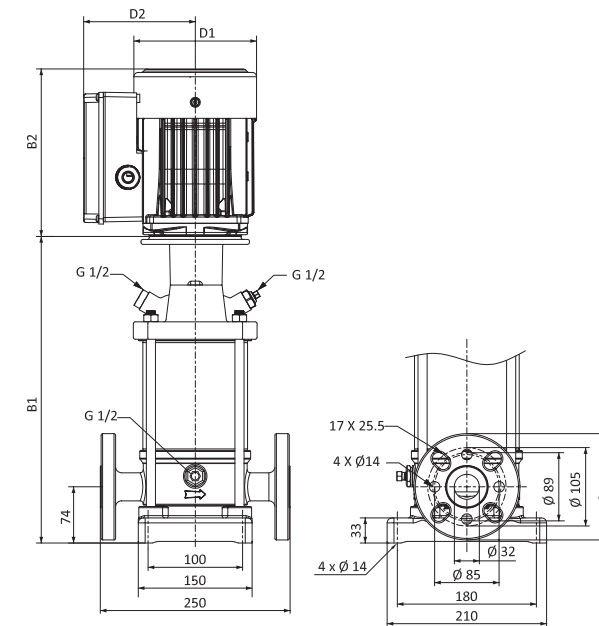
SCRI, SCR N 1s



TECHNICAL DATA

SCRI, SCR N 1s

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCRI, SCR N 1S-2	258	454	141	127	-	19.2
SCRI, SCR N 1S-3	276	472	141	127	-	19.2
SCRI, SCR N 1S-4	294	490	141	127	-	19.5
SCRI, SCR N 1S-5	312	508	141	127	-	19.8
SCRI, SCR N 1S-6	330	526	141	127	-	20.0
SCRI, SCR N 1S-7	348	544	141	127	-	20.6
SCRI, SCR N 1S-8	366	562	141	127	-	21.4
SCRI, SCR N 1S-9	384	580	141	127	-	21.8
SCRI, SCR N 1S-10	402	598	141	127	-	22.3
SCRI, SCR N 1S-11	420	616	141	127	-	22.8
SCRI, SCR N 1S-12	438	634	141	127	-	23.3
SCRI, SCR N 1S-13	456	652	141	127	-	23.6
SCRI, SCR N 1S-15	492	688	141	127	-	24.6
SCRI, SCR N 1S-17	528	724	141	127	-	25.1
SCRI, SCR N 1S-19	564	760	141	127	-	25.8
SCRI, SCR N 1S-21	606.5	842	141	127	-	28.3
SCRI, SCR N 1S-23	642.5	878	141	127	-	29.1
SCRI, SCR N 1S-25	678.5	914	141	127	-	30.3
SCRI, SCR N 1S-27	714.5	950	141	127	-	32.2
SCRI, SCR N 1S-30	768.5	1004	141	127	-	35.5
SCRI, SCR N 1S-33	822.5	1058	141	127	-	34.5
SCRI, SCR N 1S-36	876.5	1112	141	127	-	36.6

PERFORMANCE TABLE

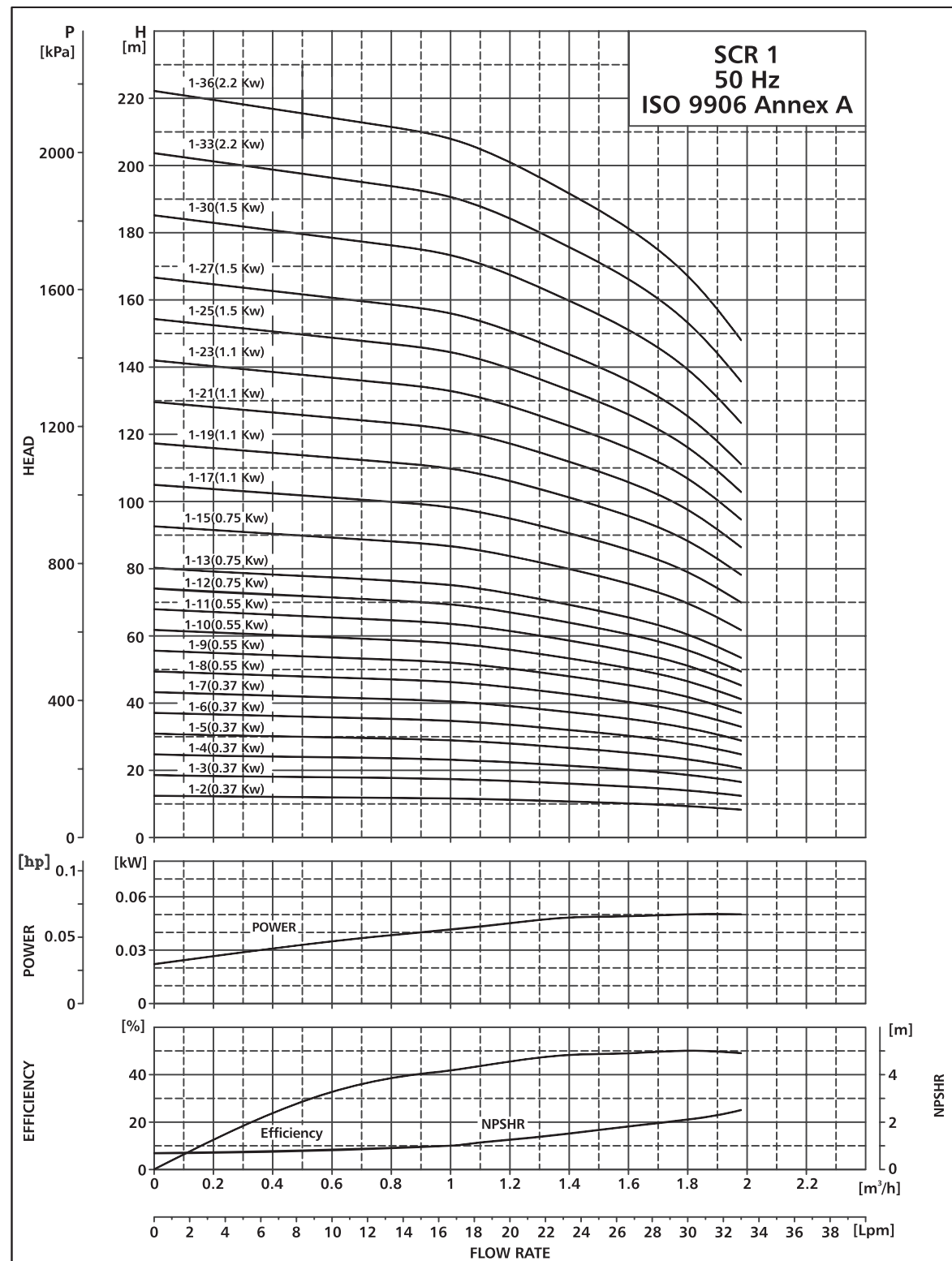
MODEL	kW	HP	Amp.	NPSH (In Mtr)	0	0	1.9	2	2.5	3	3.5	3.9
					0	0.4	0.5	0.6	0.7	0.8	0.9	1
					m³/h	LPM	LPM	LPM	LPM	LPM	LPM	LPM
SCRI, SCR N 1S-2	0.37	0.5	1.1	Head (Mtr)	12	11	11	10	9	9	8	7
SCRI, SCR N 1S-3	0.37	0.5	1.1		17	17	16	15	14	13	12	11
SCRI, SCR N 1S-4	0.37	0.5	1.1		23	22	21	20	19	17	16	14
SCRI, SCR N 1S-5	0.37	0.5	1.1		29	28	27	25	24	22	20	18
SCRI, SCR N 1S-6	0.37	0.5	1.1		35	33	32	30	28	26	24	22
SCRI, SCR N 1S-7	0.37	0.5	1.1		41	39	37	35	33	31	28	25
SCRI, SCR N 1S-8	0.55	0.5	1.1		46	44	42	40	38	35	32	29
SCRI, SCR N 1S-9	0.55	0.5	1.1		52	50	48	45	42	39	36	32
SCRI, SCR N 1S-10	0.55	0.5	1.1		58	55	53	50	47	44	40	36
SCRI, SCR N 1S-11	0.55	0.5	1.1		64	61	58	55	52	48	44	39
SCRI, SCR N 1S-12	0.37	0.5	1.1		70	66	64	60	57	52	48	43
SCRI, SCR N 1S-13	0.37	0.5	1.1		75	72	69	65	61	57	52	47
SCRI, SCR N 1S-15	0.55	0.75	1.5		87	83	80	75	71	66	60	54
SCRI, SCR N 1S-17	0.55	0.75	1.5		99	94	90	85	80	74	68	61
SCRI, SCR N 1S-19	0.55	0.75	1.5		110	105	101	95	89	83	76	68
SCRI, SCR N 1S-21	0.75	1	1.8		122	116	111	105	99	92	84	75
SCRI, SCR N 1S-23	0.75	1	1.8		133	127	122	115	108	101	92	83
SCRI, SCR N 1S-25	0.75	1	1.8		145	138	133	126	118	109	100	90
SCRI, SCR N 1S-27	1.1	1.5	2.5		157	149	143	136	127	118	108	97
SCRI, SCR N 1S-30	1.1	1.5	2.5		174	166	159	151	141	131	120	108
SCRI, SCR N 1S-33	1.1	1.5	2.5		191	182	175	166	155	144	132	118
SCRI, SCR N 1S-36	1.1	1.5	2.5		209	199	191	181	170	157	144	129

◆ This performance table is approximate as performance curve.
 ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCR 1

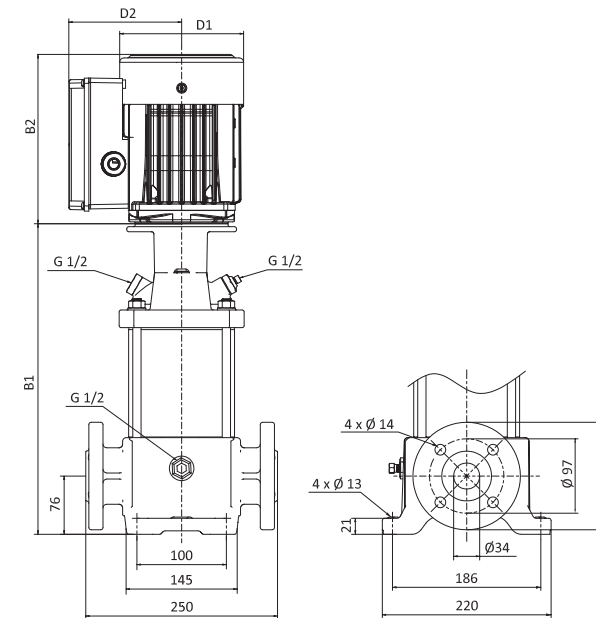
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR 1

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR 1-2	261	457	141	127	-	23.0
SCR 1-3	279	475	141	127	-	23.0
SCR 1-4	297	493	141	127	-	23.0
SCR 1-5	315	511	141	127	-	24.0
SCR 1-6	333	529	141	127	-	24.0
SCR 1-7	351	547	141	127	-	25.0
SCR 1-8	369	565	141	127	-	26.0
SCR 1-9	387	583	141	127	-	26.0
SCR 1-10	405	601	141	127	-	26.0
SCR 1-11	423	619	141	127	-	27.0
SCR 1-12	448	683.5	141	127	-	29.0
SCR 1-13	466	701.5	141	127	-	29.0
SCR 1-15	502	737.5	141	127	-	30.0
SCR 1-17	538	773.5	141	127	-	33.0
SCR 1-19	566	809.5	141	127	-	34.0
SCR 1-21	610	845.5	141	127	-	35.0
SCR 1-23	646	881.5	141	127	-	36.0
SCR 1-25	697.5	974.5	173	130	-	44.0
SCR 1-27	733.5	1010.5	173	130	-	44.0
SCR 1-30	787.5	1064.5	173	130	-	46.0
SCR 1-33	841.5	1118.5	173	130	-	47.0
SCR 1-36	895.5	1172.5	173	130	-	49.0

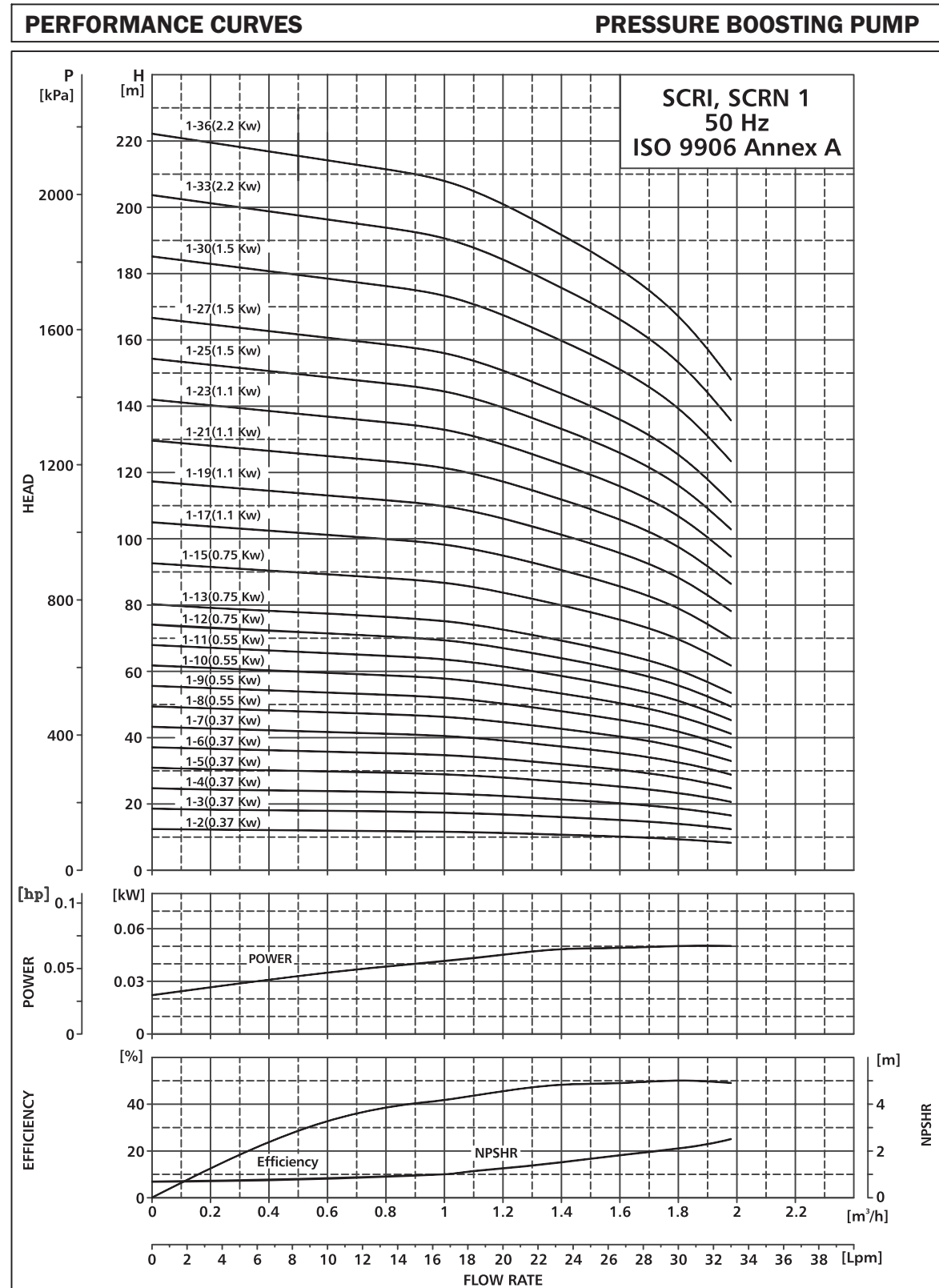
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	0.8	1	1.3	1.6	1.8	2.2	2.4
					0	0.8	1	1.2	1.4	1.6	1.8	2
SCR 1-2	0.37	0.5	1.1		12	12	12	11	11	10	9	8
SCR 1-3	0.37	0.5	1.1		19	18	17	17	16	15	14	12
SCR 1-4	0.37	0.5	1.1		25	24	23	22	21	20	19	17
SCR 1-5	0.37	0.5	1.1		31	30	29	28	27	25	23	21
SCR 1-6	0.37	0.5	1.1		37	35	35	34	32	30	28	25
SCR 1-7	0.37	0.5	1.1		43	41	40	39	37	35	32	29
SCR 1-8	0.55	0.75	1.5		50	47	46	45	43	40	37	33
SCR 1-9	0.55	0.75	1.5		56	53	52	50	48	45	42	37
SCR 1-10	0.55	0.75	1.5		62	59	58	56	53	50	46	41
SCR 1-11	0.55	0.75	1.5		68	65	63	61	59	55	51	46
SCR 1-12	0.75	1	1.8		74	71	69	67	64	60	56	50
SCR 1-13	0.75	1	1.8		81	77	75	73	69	65	60	54
SCR 1-15	0.75	1	1.8		93	89	87	84	80	75	69	62
SCR 1-17	1.1	1.5	2.5		105	100	98	95	91	85	79	70
SCR 1-19	1.1	1.5	2.5		118	112	110	106	101	95	88	79
SCR 1-21	1.1	1.5	2.5		130	124	121	117	112	105	97	87
SCR 1-23	1.1	1.5	2.5		143	136	133	129	123	115	106	95
SCR 1-25	1.5	2	3.6		155	148	144	140	134	126	116	104
SCR 1-27	1.5	2	3.6		167	159	156	151	144	136	125	112
SCR 1-30	1.5	2	3.6		186	177	173	168	160	151	139	124
SCR 1-33	2.2	3	4.6		205	195	190	184	176	166	153	137
SCR 1-36	2.2	3	4.6		223	212	208	201	192	181	167	149

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

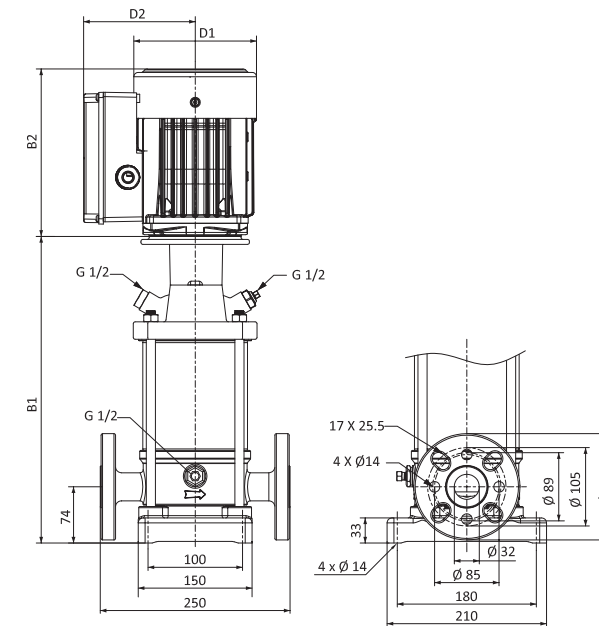
SCRI, SCRN 1



TECHNICAL DATA

SCRI, SCRN 1

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCRI, SCRN 1-2	258	454	141	127	-	19.2
SCRI, SCRN 1-3	276	472	141	127	-	19.2
SCRI, SCRN 1-4	294	490	141	127	-	19.5
SCRI, SCRN 1-5	312	508	141	127	-	19.8
SCRI, SCRN 1-6	330	526	141	127	-	20.0
SCRI, SCRN 1-7	348	544	141	127	-	20.6
SCRI, SCRN 1-8	366	562	141	127	-	21.9
SCRI, SCRN 1-9	384	580	141	127	-	22.8
SCRI, SCRN 1-10	402	598	141	127	-	23.3
SCRI, SCRN 1-11	420	616	141	127	-	23.3
SCRI, SCRN 1-12	444.5	680	141	127	-	25.5
SCRI, SCRN 1-13	462.5	698	141	127	-	25.7
SCRI, SCRN 1-15	498.5	734	141	127	-	26.3
SCRI, SCRN 1-17	534.5	770	141	127	-	28.2
SCRI, SCRN 1-19	570.5	806	141	127	-	28.9
SCRI, SCRN 1-21	606.5	842	141	127	-	29.7
SCRI, SCRN 1-23	642.5	878	141	127	-	30.5
SCRI, SCRN 1-25	694	971	173	130	-	37.6
SCRI, SCRN 1-27	730	1007	173	130	-	38.1
SCRI, SCRN 1-30	784	1061	173	130	-	39.4
SCRI, SCRN 1-33	838	1115	173	130	-	42.4
SCRI, SCRN 1-36	892	1169	173	130	-	44.5

PERFORMANCE TABLE

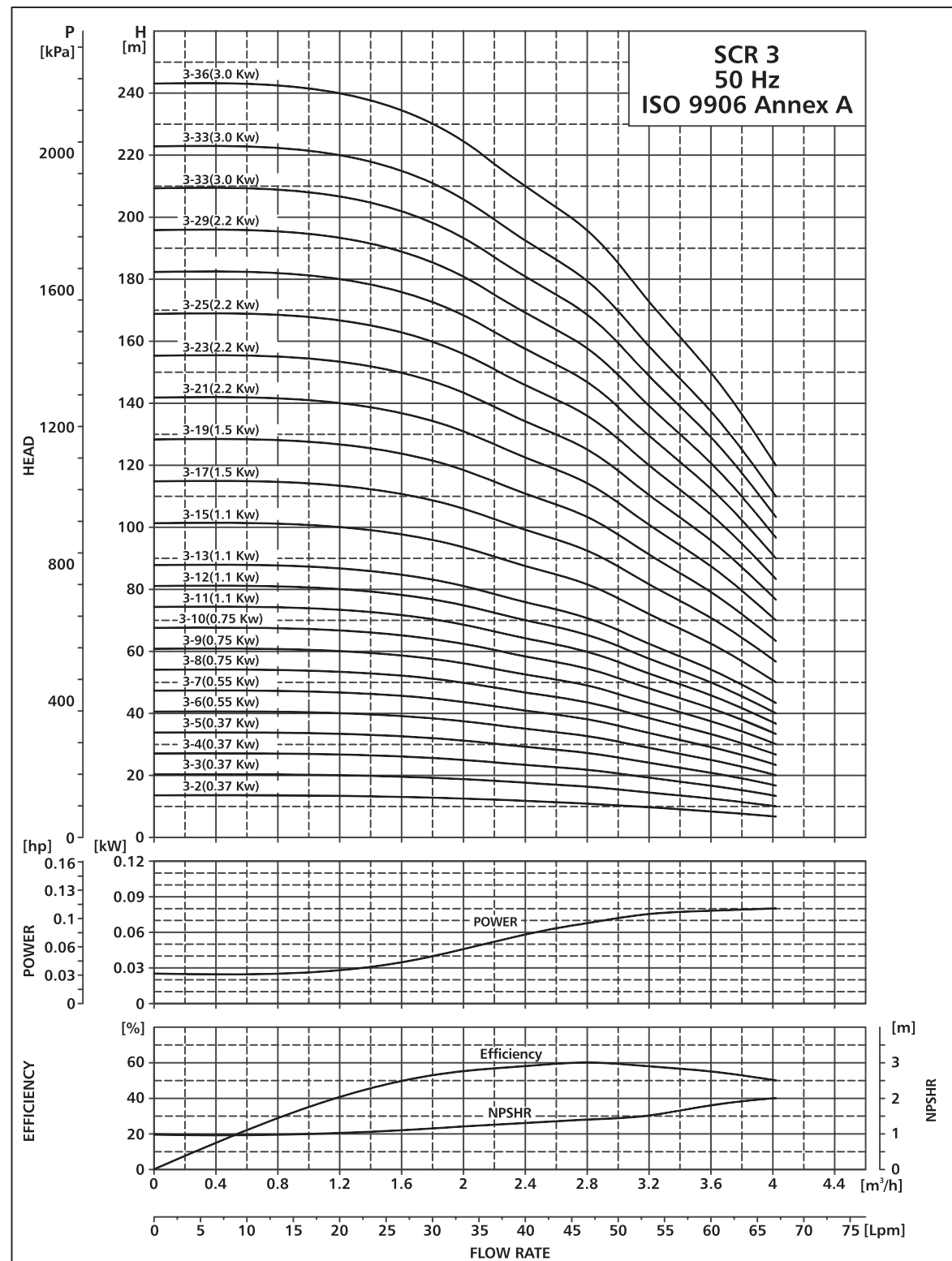
MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)								
					0	0.8	1	1.3	1.6	1.8	2.2		
					0	0.8	1	1.2	1.4	1.6	1.8	2	
SCRI, SCRN 1-2	0.37	0.5	1.1		12	12	12	11	11	10	9	8	
SCRI, SCRN 1-3	0.37	0.5	1.1		19	18	17	17	16	15	14	12	
SCRI, SCRN 1-4	0.37	0.5	1.1		25	24	23	22	21	20	19	17	
SCRI, SCRN 1-5	0.37	0.5	1.1		31	30	29	28	27	25	23	21	
SCRI, SCRN 1-6	0.37	0.5	1.1		37	35	35	34	32	30	28	25	
SCRI, SCRN 1-7	0.37	0.5	1.1		43	41	40	39	37	35	32	29	
SCRI, SCRN 1-8	0.55	0.75	1.5		50	47	46	45	43	40	37	33	
SCRI, SCRN 1-9	0.55	0.75	1.5		56	53	52	50	48	45	42	37	
SCRI, SCRN 1-10	0.55	0.75	1.5		62	59	58	56	53	50	46	41	
SCRI, SCRN 1-11	0.55	0.75	1.5		68	65	63	61	59	55	51	46	
SCRI, SCRN 1-12	0.75	1	1.8		74	71	69	67	64	60	56	50	
SCRI, SCRN 1-13	0.75	1	1.8		81	77	75	73	69	65	60	54	
SCRI, SCRN 1-15	0.75	1	1.8		93	89	87	84	80	75	69	62	
SCRI, SCRN 1-17	1.1	1.5	2.5		105	100	98	95	91	85	79	70	
SCRI, SCRN 1-19	1.1	1.5	2.5		118	112	110	106	101	95	88	79	
SCRI, SCRN 1-21	1.1	1.5	2.5		130	124	121	117	112	105	97	87	
SCRI, SCRN 1-23	1.1	1.5	2.5		143	136	133	129	123	115	106	95	
SCRI, SCRN 1-25	1.5	2	3.6		155	148	144	140	134	126	116	104	
SCRI, SCRN 1-27	1.5	2	3.6		167	159	156	151	144	136	125	112	
SCRI, SCRN 1-30	1.5	2	3.6		186	177	173	168	160	151	139	124	
SCRI, SCRN 1-33	2.2	3	4.6		205	195	190	184	176	166	153	137	
SCRI, SCRN 1-36	2.2	3	4.6		223	212	208	201	192	181	167	149	

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCR 3

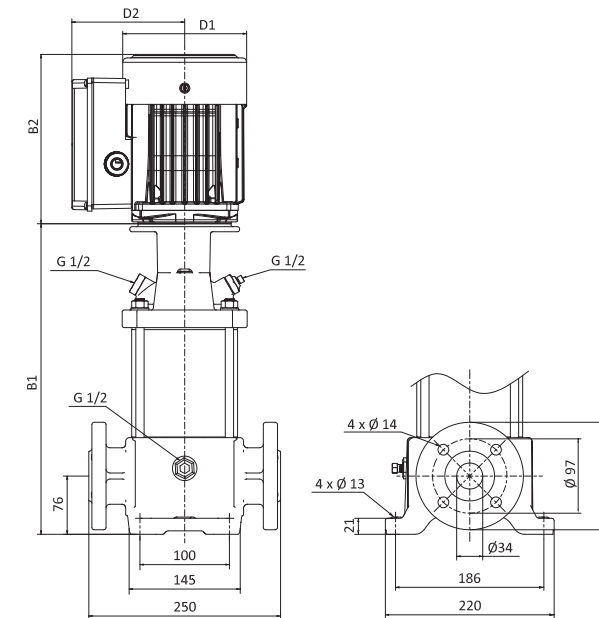
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR 3

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR 3-2	261	457	141	127	-	23.0
SCR 3-3	279	475	141	127	-	23.0
SCR 3-4	297	493	141	127	-	23.0
SCR 3-5	315	511	141	127	-	24.0
SCR 3-6	333	529	141	127	-	25.0
SCR 3-7	351	547	141	127	-	25.0
SCR 3-8	376	611.5	141	127	-	27.0
SCR 3-9	394	629.5	141	127	-	28.0
SCR 3-10	412	647.5	141	127	-	28.0
SCR 3-11	430	665.5	141	127	-	31.0
SCR 3-12	448	683.5	141	127	-	31.0
SCR 3-13	466	701.5	141	127	-	31.0
SCR 3-15	502	737.5	141	127	-	32.0
SCR 3-17	553.5	830.5	173	130	-	40.0
SCR 3-19	589.5	875	173	130	-	41.0
SCR 3-21	625.5	902.5	173	130	-	42.0
SCR 3-23	661.5	938.5	173	130	-	43.0
SCR 3-25	697.5	974.5	173	130	-	44.0
SCR 3-27	733.5	1400	173	130	-	45.0
SCR 3-29	769.5	1046.5	173	130	-	46.0
SCR 3-31	809.5	1129	225	169.5	-	53.0
SCR 3-33	845.5	1165	225	169.5	-	53.0
SCR 3-36	899.5	1231	225	169.5	-	55.0

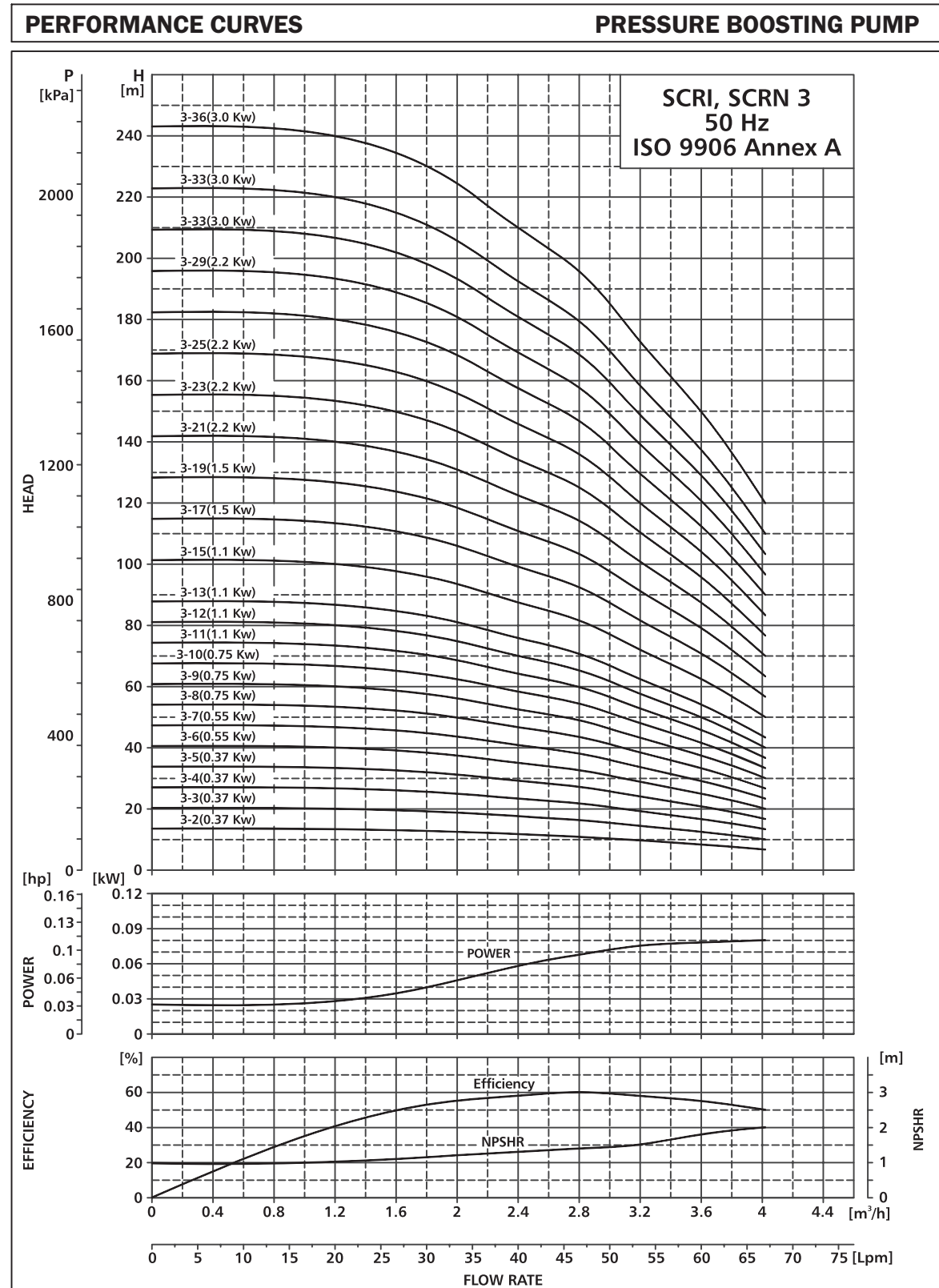
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr) m³/h LPM	0	1.1	1.2	1.3	1.4	1.5	1.7	2
					0	1.6	2	2.4	2.8	3.2	3.6	4
					0	27	33	40	47	53	60	67
SCR 3-2	0.37	0.5	1.1	14	13	13	12	11	10	8	7	7
SCR 3-3	0.37	0.5	1.1	20	20	19	18	16	14	12	10	10
SCR 3-4	0.37	0.5	1.1	27	26	25	23	22	19	17	13	13
SCR 3-5	0.37	0.5	1.1	34	33	31	29	27	24	21	17	17
SCR 3-6	0.55	0.75	1.5	41	39	38	35	32	29	25	20	20
SCR 3-7	0.55	0.75	1.5	47	46	44	41	38	34	29	23	23
SCR 3-8	0.75	1	1.8	54	52	50	47	43	38	33	27	27
SCR 3-9	0.75	1	1.8	61	59	56	53	49	43	37	30	30
SCR 3-10	0.75	1	1.8	68	65	63	58	54	48	41	34	34
SCR 3-11	1.1	1.5	2.5	74	72	69	64	59	53	46	37	37
SCR 3-12	1.1	1.5	2.5	81	78	75	70	65	58	50	40	40
SCR 3-13	1.1	1.5	2.5	88	85	81	76	70	62	54	44	44
SCR 3-15	1.1	1.5	2.5	101	98	94	88	81	72	62	50	50
SCR 3-17	1.5	2	3.6	115	111	106	99	92	82	70	57	57
SCR 3-19	1.5	2	3.6	128	124	119	111	103	91	79	64	64
SCR 3-21	2.2	3	4.6	142	137	131	123	113	101	87	70	70
SCR 3-23	2.2	3	4.6	155	150	144	134	124	110	95	77	77
SCR 3-25	2.2	3	4.6	169	164	157	146	135	120	104	84	84
SCR 3-27	2.2	3	4.6	182	177	169	158	146	130	112	90	90
SCR 3-29	2.2	3	4.6	196	190	182	169	157	139	120	97	97
SCR 3-31	3	4	5.7	209	203	194	181	167	149	128	104	104
SCR 3-33	3	4	5.7	223	216	207	193	178	158	137	111	111
SCR 3-36	3	4	5.7	243	235	225	210	194	173	149	121	121

◆ This performance table is approximate as performance curve.
◆ Subject to technical change without notice.

PERFORMANCE CURVE

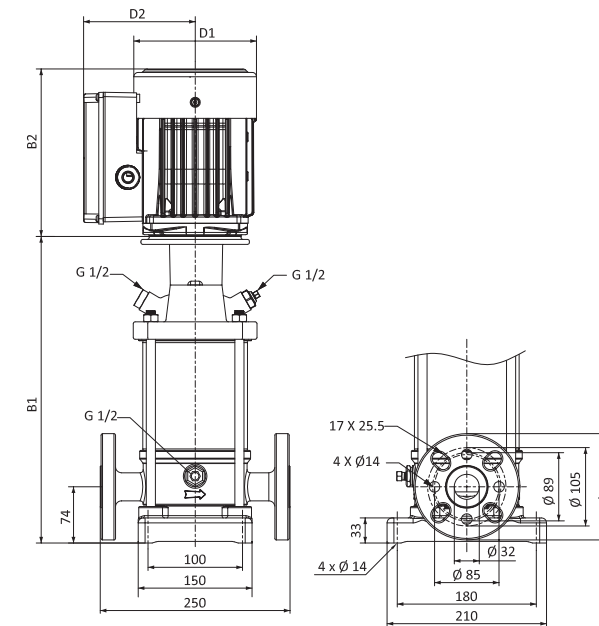
SCRI, SCR N 3



TECHNICAL DATA

SCRI, SCR N 3

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCRI, SCR N 3-2	258	454	141	127	-	19.20
SCRI, SCR N 3-3	276	472	141	127	-	19.20
SCRI, SCR N 3-4	294	490	141	127	-	19.50
SCRI, SCR N 3-5	312	508	141	127	-	19.80
SCRI, SCR N 3-6	330	526	141	127	-	20.50
SCRI, SCR N 3-7	348	544	141	127	-	21.10
SCRI, SCR N 3-8	372.5	608	141	127	-	23.60
SCRI, SCR N 3-9	390.5	680	141	127	-	24.00
SCRI, SCR N 3-10	408.5	644	141	127	-	24.50
SCRI, SCR N 3-11	426.5	662	141	127	-	26.40
SCRI, SCR N 3-12	444.5	680	141	127	-	26.90
SCRI, SCR N 3-13	462.5	698	141	127	-	27.10
SCRI, SCR N 3-15	498.5	734	141	127	-	27.70
SCRI, SCR N 3-17	550	799	173	130	-	34.10
SCRI, SCR N 3-19	586	863	173	130	-	34.80
SCRI, SCR N 3-21	622	899	173	130	-	57.45
SCRI, SCR N 3-23	658	935	173	130	-	57.80
SCRI, SCR N 3-25	694	971	173	130	-	39.60
SCRI, SCR N 3-27	730	1007	173	130	-	40.10
SCRI, SCR N 3-29	766	1400	173	130	-	49.50
SCRI, SCR N 3-31	806.5	1126	225	169.5	-	47.20
SCRI, SCR N 3-33	842.5	1162	225	169.5	-	47.90
SCRI, SCR N 3-36	896.5	1216	225	169.5	-	50.00

PERFORMANCE TABLE

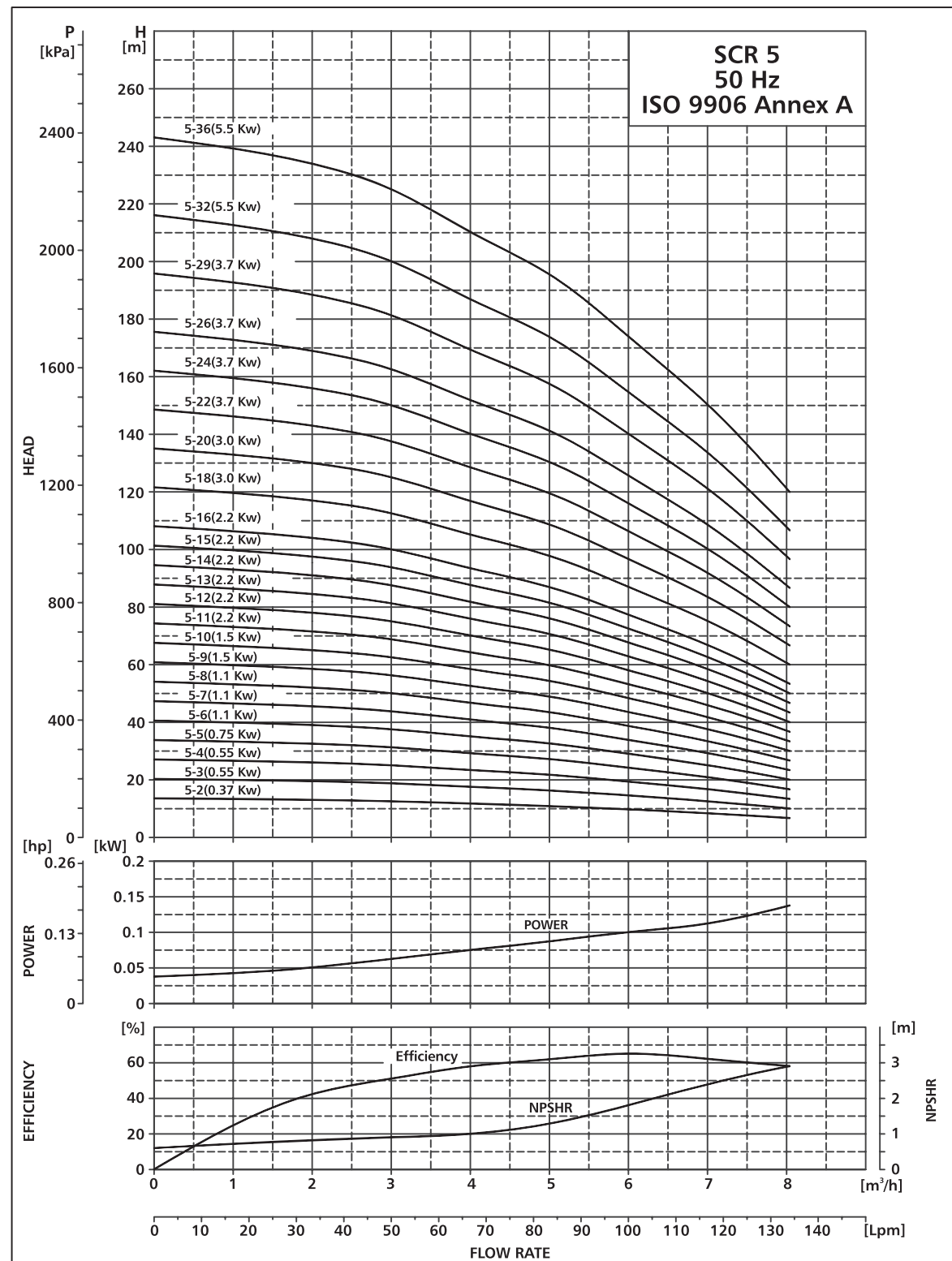
MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	1.1	1.2	1.3	1.4	1.5	1.7	2
					0	1.6	2	2.4	2.8	3.2	3.6	4
SCRI, SCR N 3-2	0.37	0.5	1.1	Head (Mtr)	14	13	13	12	11	10	8	7
SCRI, SCR N 3-3	0.37	0.5	1.1		20	20	19	18	16	14	12	10
SCRI, SCR N 3-4	0.37	0.5	1.1		27	26	25	23	22	19	17	13
SCRI, SCR N 3-5	0.37	0.5	1.1		34	33	31	29	27	24	21	17
SCRI, SCR N 3-6	0.55	0.75	1.5		41	39	38	35	32	29	25	20
SCRI, SCR N 3-7	0.55	0.75	1.5		47	46	44	41	38	34	29	23
SCRI, SCR N 3-8	0.75	1	1.8		54	52	50	47	43	38	33	27
SCRI, SCR N 3-9	0.75	1	1.8		61	59	56	53	49	43	37	30
SCRI, SCR N 3-10	0.75	1	1.8		68	65	63	58	54	48	41	34
SCRI, SCR N 3-11	1.1	1.5	2.5		74	72	69	64	59	53	46	37
SCRI, SCR N 3-12	1.1	1.5	2.5		81	78	75	70	65	58	50	40
SCRI, SCR N 3-13	1.1	1.5	2.5		88	85	81	76	70	62	54	44
SCRI, SCR N 3-15	1.1	1.5	2.5		101	98	94	88	81	72	62	50
SCRI, SCR N 3-17	1.5	2	3.6		115	111	106	99	92	82	70	57
SCRI, SCR N 3-19	1.5	2	3.6		128	124	119	111	103	91	79	64
SCRI, SCR N 3-21	2.2	3	4.6		142	137	131	123	113	101	87	70
SCRI, SCR N 3-23	2.2	3	4.6		155	150	144	134	124	110	95	77
SCRI, SCR N 3-25	2.2	3	4.6		169	164	157	146	135	120	104	84
SCRI, SCR N 3-27	2.2	3	4.6		182	177	169	158	146	130	112	90
SCRI, SCR N 3-29	2.2	3	4.6		196	190	182	169	157	139	120	97
SCRI, SCR N 3-31	3	4	5.7		209	203	194	181	167	149	128	104
SCRI, SCR N 3-33	3	4	5.7		223	216	207	193	178	158	137	111
SCRI, SCR N 3-36	3	4	5.7		243	235	225	210	194	173	149	121

◆ This performance table is approximate as performance curve.
 ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCR 5

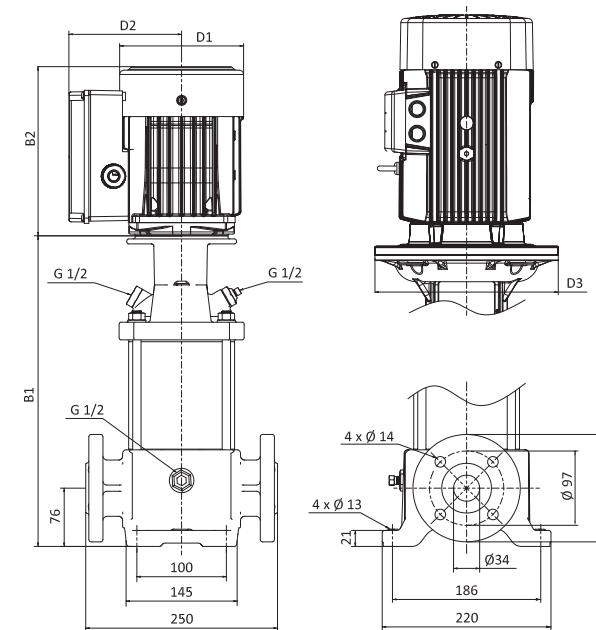
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR 5

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR 5-2	279	475	141	127	-	23.0
SCR 5-3	306	502	141	127	-	24.0
SCR 5-4	333	529	141	127	-	25.0
SCR 5-5	367	603.5	141	127	-	27.0
SCR 5-6	394	630.5	141	127	-	30.0
SCR 5-7	421	657.5	141	127	-	30.0
SCR 5-8	448	725	141	127	-	31.0
SCR 5-9	490.5	767.5	173	130	-	38.0
SCR 5-10	517.5	794.5	173	130	-	39.0
SCR 5-11	544.5	821.5	173	130	-	40.0
SCR 5-12	571.5	848.5	173	130	-	41.0
SCR 5-13	598.5	875.5	173	130	-	41.0
SCR 5-14	625.5	902.5	173	130	-	42.0
SCR 5-15	652.5	929.5	173	130	-	43.0
SCR 5-16	679.5	956.5	173	130	-	43.0
SCR 5-18	737.5	1057	225	169.5	-	50.0
SCR 5-20	791.5	1111	225	169.5	-	52.0
SCR 5-22	845.5	1165	225	169.5	-	62.0
SCR 5-24	899.5	1219	225	169.5	-	63.0
SCR 5-26	953.5	1273	225	169.5	-	64.0
SCR 5-29	1034.5	1354	225	169.5	-	66.0
SCR 5-32	1145.5	1529.5	214	129	303.5	82.0
SCR 5-36	1253.5	1637.5	214	129	303.5	84.0

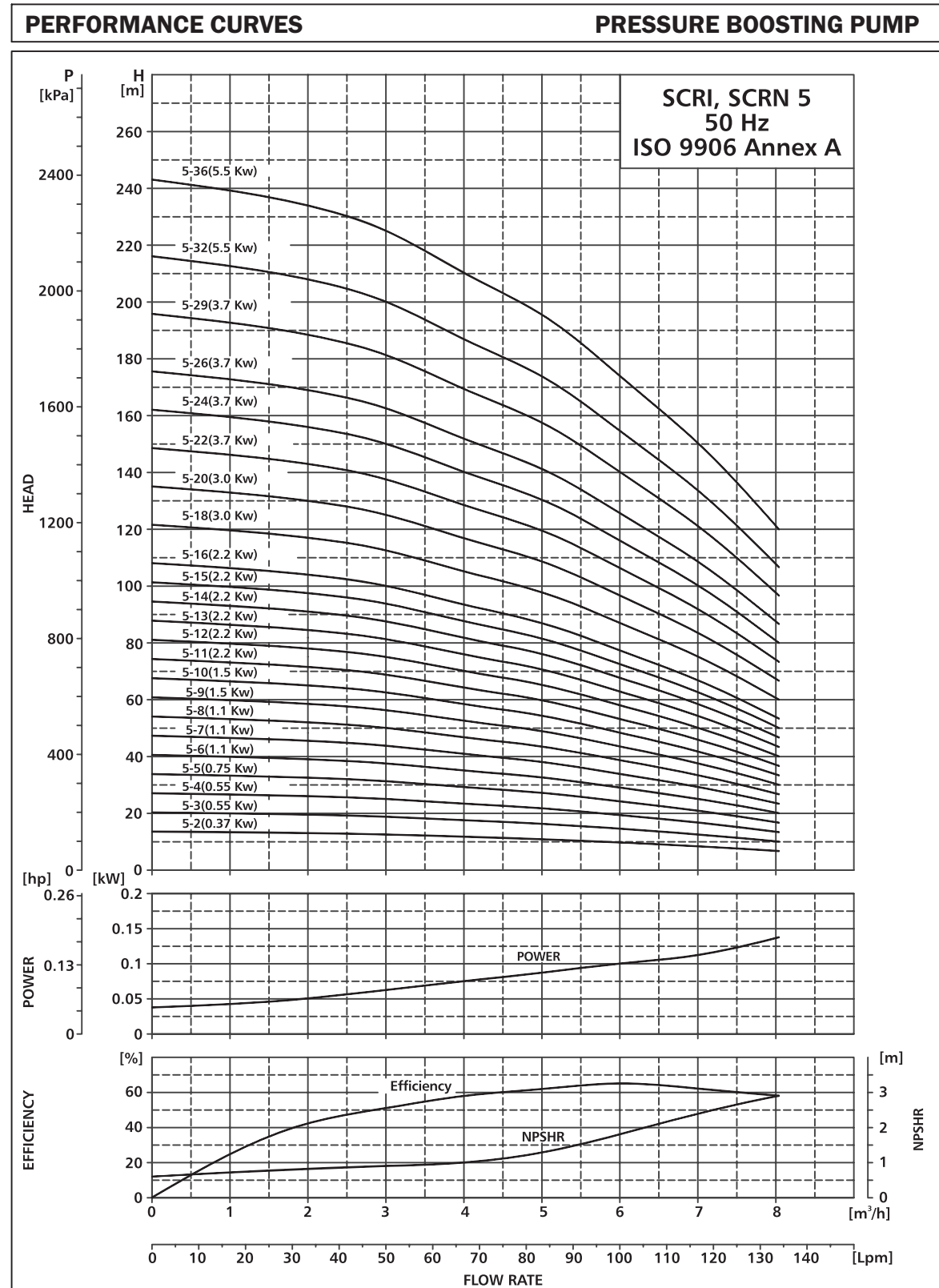
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)								
					0	0.7	0.8	1	1.3	1.7	2.4	2.8	
					0	2	3	4	5	6	7	8	
SCR 5-2	0.37	0.5	1.1	14	13	13	12	11	10	8	7		
SCR 5-3	0.55	0.75	1.5	20	20	19	18	16	14	12	10		
SCR 5-4	0.55	0.75	1.5	27	26	25	23	22	19	17	13		
SCR 5-5	0.75	1	1.8	34	33	31	29	27	24	21	17		
SCR 5-6	1.1	1.5	2.5	41	39	38	35	32	29	25	20		
SCR 5-7	1.1	1.5	2.5	47	46	44	41	38	34	29	23		
SCR 5-8	1.1	1.5	2.5	54	52	50	47	43	38	33	27		
SCR 5-9	1.5	2	3.6	61	59	56	53	49	43	37	30		
SCR 5-10	1.5	2	3.6	68	65	63	58	54	48	41	34		
SCR 5-11	2.2	3	4.6	74	72	69	64	59	53	46	37		
SCR 5-12	2.2	3	4.6	81	78	75	70	65	58	50	40		
SCR 5-13	2.2	3	4.6	88	85	81	76	70	62	54	44		
SCR 5-14	2.2	3	4.6	95	92	88	82	76	67	58	47		
SCR 5-15	2.2	3	4.6	101	98	94	88	81	72	62	50		
SCR 5-16	2.2	3	4.6	108	105	100	93	86	77	66	54		
SCR 5-18	3	4	5.7	122	118	113	105	97	86	75	60		
SCR 5-20	3	4	5.7	135	131	125	117	108	96	83	67		
SCR 5-22	3.7	5	7.6	149	144	138	128	119	106	91	74		
SCR 5-24	3.7	5	7.6	162	157	150	140	130	115	99	80		
SCR 5-26	3.7	5	7.6	176	170	163	152	140	125	108	87		
SCR 5-29	3.7	5	7.6	196	190	182	169	157	139	120	97		
SCR 5-32	5.5	7.5	10.5	216	209	200	187	173	154	132	107		
SCR 5-36	5.5	7.5	10.5	243	235	225	210	194	173	149	121		

◆ This performance table is approximate as performance curve.
◆ Subject to technical change without notice.

PERFORMANCE CURVE

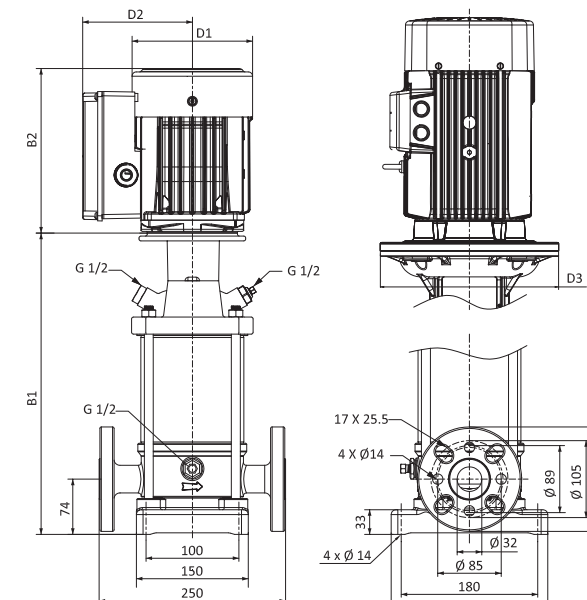
SCRI, SCR N 5



TECHNICAL DATA

SCRI, SCR N 5

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCRI, SCR N 5-2	281.5	472	141	127	-	19.2
SCRI, SCR N 5-3	308.5	499	141	127	-	20.1
SCRI, SCR N 5-4	335.5	526	141	127	-	20.5
SCRI, SCR N 5-5	363.5	599	141	127	-	23.4
SCRI, SCR N 5-6	390.5	626	141	127	-	25.4
SCRI, SCR N 5-7	417.5	653	141	127	-	26.1
SCRI, SCR N 5-8	444.5	680	141	127	-	26.9
SCRI, SCR N 5-9	487	764	173	130	-	33.2
SCRI, SCR N 5-10	514	791	173	130	-	33.6
SCRI, SCR N 5-11	541	818	173	130	-	35.9
SCRI, SCR N 5-12	568	845	173	130	-	36.3
SCRI, SCR N 5-13	595	872	173	130	-	36.9
SCRI, SCR N 5-14	622	899	173	130	-	37.6
SCRI, SCR N 5-15	649	926	173	130	-	38.2
SCRI, SCR N 5-16	676	953	173	130	-	38.8
SCRI, SCR N 5-18	734.5	1054	225	169.5	-	75.1
SCRI, SCR N 5-20	788.5	1108	225	169.5	-	76.9
SCRI, SCR N 5-22	842.5	1162	225	169.5	-	56.6
SCRI, SCR N 5-24	896.5	1216	225	169.5	-	58.7
SCRI, SCR N 5-26	950.5	1270	225	169.5	-	60.0
SCRI, SCR N 5-29	1031.5	1351	225	169.5	-	61.9
SCRI, SCR N 5-32	1142.5	1526.5	214	129	303.5	76.7
SCRI, SCR N 5-36	1250.5	1634.5	214	129	303.5	79.3

PERFORMANCE TABLE

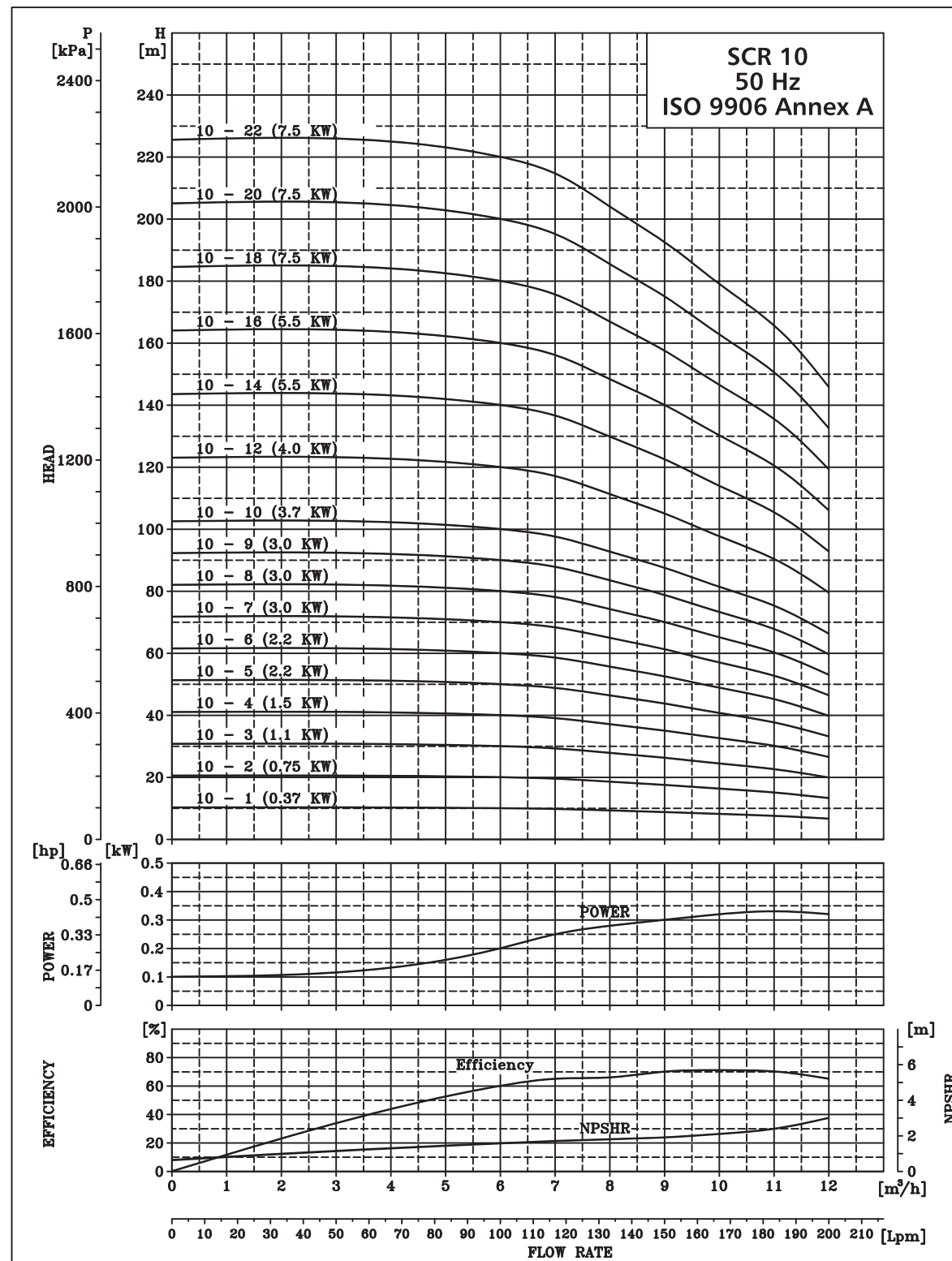
MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)								
					0	0.7	0.8	1	1.3	1.7	2.4	2.8	
					0	2	3	4	5	6	7	8	
SCRI, SCR N 5-2	0.37	0.55	1.1		14	13	13	12	11	10	8	7	
SCRI, SCR N 5-3	0.55	0.75	1.5		20	20	19	18	16	14	12	10	
SCRI, SCR N 5-4	0.55	0.75	1.5		27	26	25	23	22	19	17	13	
SCRI, SCR N 5-5	0.75	1	1.8		34	33	31	29	27	24	21	17	
SCRI, SCR N 5-6	1.1	1.5	2.5		41	39	38	35	32	29	25	20	
SCRI, SCR N 5-7	1.1	1.5	2.5		47	46	44	41	38	34	29	23	
SCRI, SCR N 5-8	1.1	1.5	2.5		54	52	50	47	43	38	33	27	
SCRI, SCR N 5-9	1.5	2	3.6		61	59	56	53	49	43	37	30	
SCRI, SCR N 5-10	1.5	2	3.6		68	65	63	58	54	48	41	34	
SCRI, SCR N 5-11	2.2	3	4.6		74	72	69	64	59	53	46	37	
SCRI, SCR N 5-12	2.2	3	4.6		81	78	75	70	65	58	50	40	
SCRI, SCR N 5-13	2.2	3	4.6		88	85	81	76	70	62	54	44	
SCRI, SCR N 5-14	2.2	3	4.6		95	92	88	82	76	67	58	47	
SCRI, SCR N 5-15	2.2	3	4.6		101	98	94	88	81	72	62	50	
SCRI, SCR N 5-16	2.2	3	4.6		108	105	100	93	86	77	66	54	
SCRI, SCR N 5-18	3	4	5.7		122	118	113	105	97	86	75	60	
SCRI, SCR N 5-20	3	4	5.7		135	131	125	117	108	96	83	67	
SCRI, SCR N 5-22	3.7	5	7.6		149	144	138	128	119	106	91	74	
SCRI, SCR N 5-24	3.7	5	7.6		162	157	150	140	130	115	99	80	
SCRI, SCR N 5-26	3.7	5	7.6		176	170	163	152	140	125	108	87	
SCRI, SCR N 5-29	3.7	5	7.6		196	190	182	169	157	139	120	97	
SCRI, SCR N 5-32	5.5	7.5	10.5		216	209	200	187	173	154	132	107	
SCRI, SCR N 5-36	5.5	7.5	10.5		243	235	225	210	194	173	149	121	

◆ This performance table is approximate as performance curve.
◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCR 10

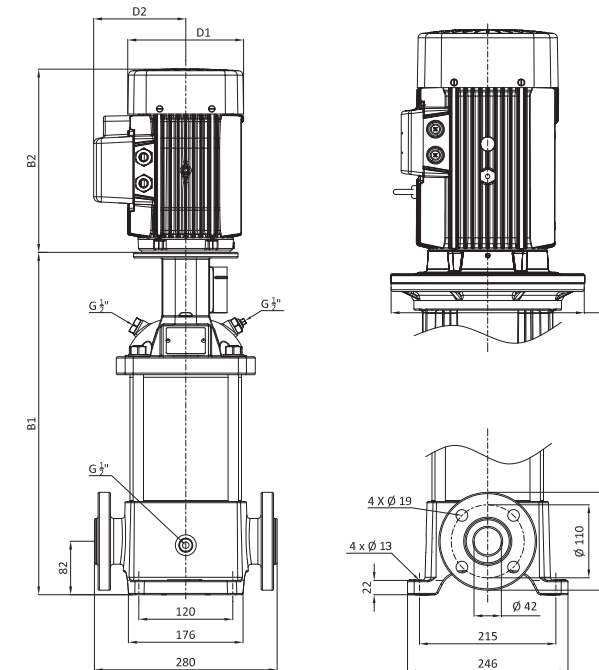
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR 10

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR 10-1	368	564	141	127	-	34.0
SCR 10-2	368	603.5	141	127	-	36.0
SCR 10-3	400.5	635.7	141	127	-	39.0
SCR 10-4	447.5	724.5	173	130	-	47.0
SCR 10-5	480	757	173	130	-	49.0
SCR 10-6	512.5	789.5	173	130	-	50.0
SCR 10-7	552	871.5	225	169.5	-	57.0
SCR 10-8	584.5	904	225	169.5	-	58.0
SCR 10-9	617	936.5	225	169.5	-	59.0
SCR 10-10	649.5	1000	225	169.5	-	69.0
SCR 10-12	714.5	1034	225	169.5	-	71.0
SCR 10-14	824.5	1208.5	214	129	303.5	94.0
SCR 10-16	889.5	1273.5	214	129	303.5	96.0
SCR 10-18	954.5	1338.5	214	129	303.5	109.0
SCR 10-20	1019.5	1480	214	129	303.5	112.0
SCR 10-22	1084.5	1468.5	214	129	303.5	114.0

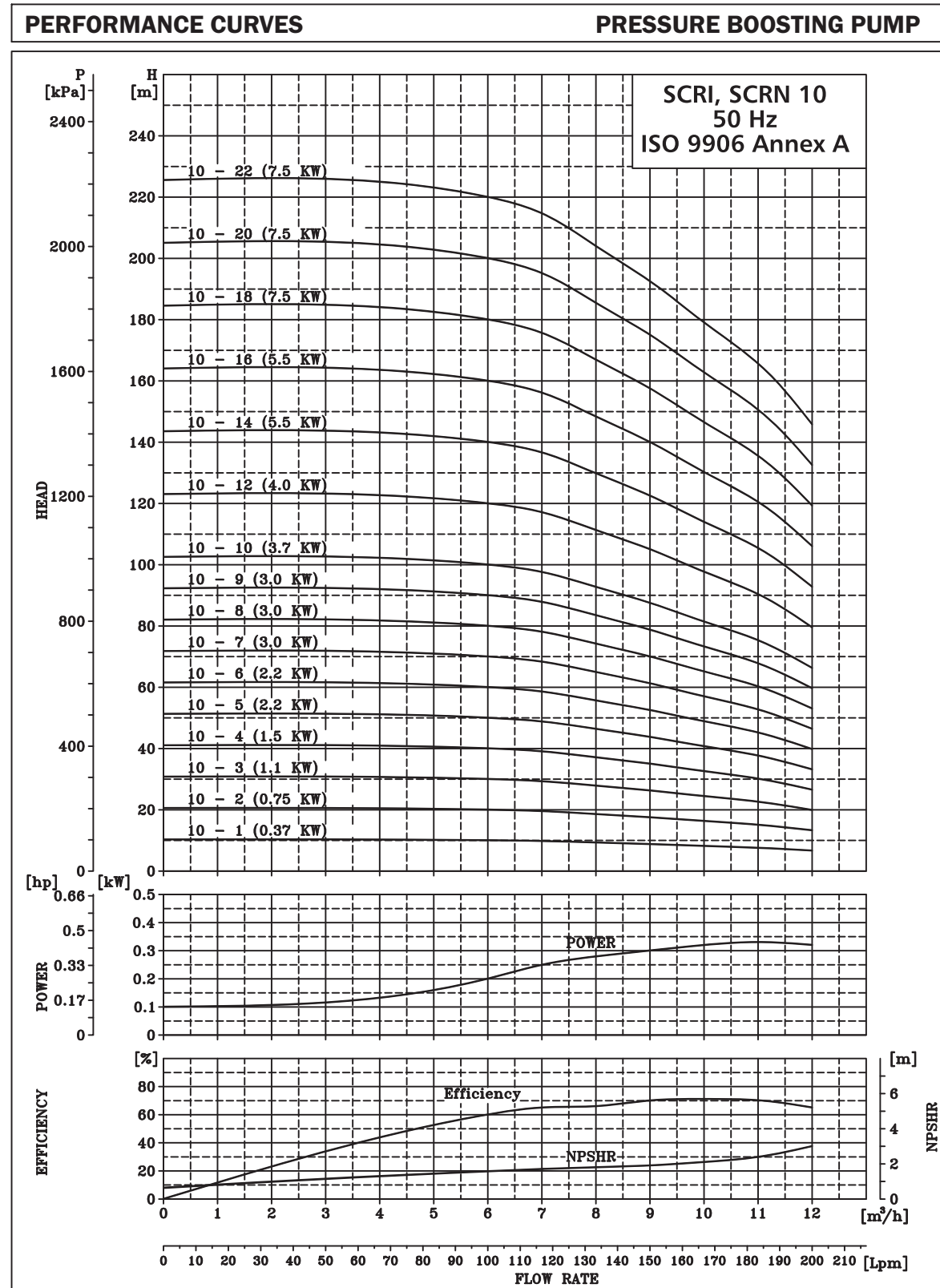
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	1.5	1.6	1.8	2	2.2	2.5	2.9
					0	6	7	8	9	10	11	12
SCR 10-1	0.37	0.5	1.1		10	10	10	9	9	8	7	7
SCR 10-2	0.75	1	1.8		20	20	19	19	18	16	15	13
SCR 10-3	1.1	1.5	2.5		31	30	29	28	26	25	22	20
SCR 10-4	1.5	2	3.6		41	40	39	37	35	33	30	27
SCR 10-5	2.2	3	4.6		51	50	49	47	44	41	37	33
SCR 10-6	2.2	3	4.6		61	60	58	56	53	49	45	40
SCR 10-7	3	4	5.7		71	70	68	65	61	57	52	47
SCR 10-8	3	4	5.7		82	80	78	74	70	65	60	53
SCR 10-9	3	4	5.7		92	90	87	84	79	74	67	60
SCR 10-10	3.7	5	7.6		102	100	97	93	88	82	75	67
SCR 10-12	3.7	5	7.6		122	120	117	112	105	98	89	80
SCR 10-14	5.5	7.5	10.5		143	140	136	130	123	114	104	93
SCR 10-16	5.5	7.5	10.5		163	160	156	149	140	131	119	107
SCR 10-18	7.5	10	14.7		184	180	175	167	158	147	134	120
SCR 10-20	7.5	10	14.7		204	200	194	186	175	163	149	133
SCR 10-22	7.5	10	14.7		224	220	214	205	193	180	164	147

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

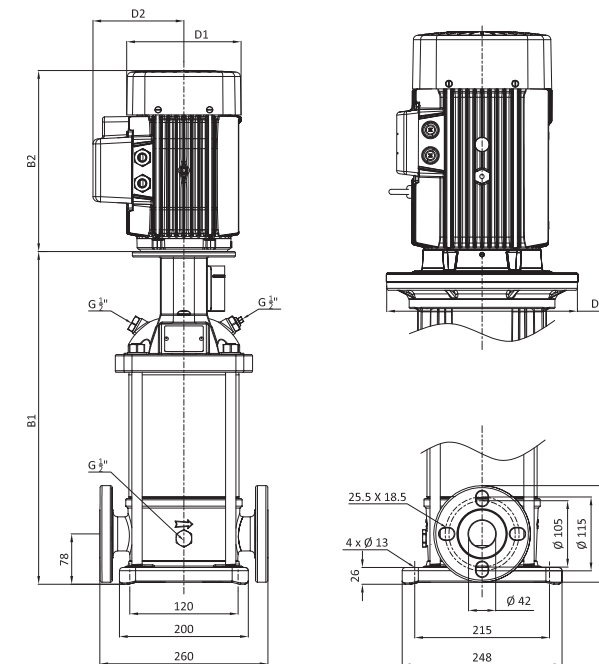
SCRI, SCR N 10



TECHNICAL DATA

SCRI, SCR N 10

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCRI, SCR N 10-1	358.5	554.5	141	127	-	32.0
SCRI, SCR N 10-2	363.5	599	141	127	-	34.0
SCRI, SCR N 10-3	396	631.2	141	127	-	37.0
SCRI, SCR N 10-4	447.5	725	173	130	-	44.0
SCRI, SCR N 10-5	480	757.5	173	130	-	47.0
SCRI, SCR N 10-6	512.5	790	173	130	-	48.0
SCRI, SCR N 10-7	546	865.5	225	169.5	-	54.0
SCRI, SCR N 10-8	578.5	898	225	169.5	-	55.0
SCRI, SCR N 10-9	611	930.5	225	169.5	-	56.0
SCRI, SCR N 10-10	643.5	963	225	169.5	-	66.0
SCRI, SCR N 10-12	708.5	1028	225	169.5	-	94.9
SCRI, SCR N 10-14	817.5	1201.5	214	129	303.5	91.0
SCRI, SCR N 10-16	882.5	1266.5	214	129	303.5	93.0
SCRI, SCR N 10-18	947.5	1331.5	214	129	303.5	99.0
SCRI, SCR N 10-20	1012.5	1396.5	214	129	303.5	101.0
SCRI, SCR N 10-22	1077.5	1461.5	214	129	303.5	103.0

PERFORMANCE TABLE

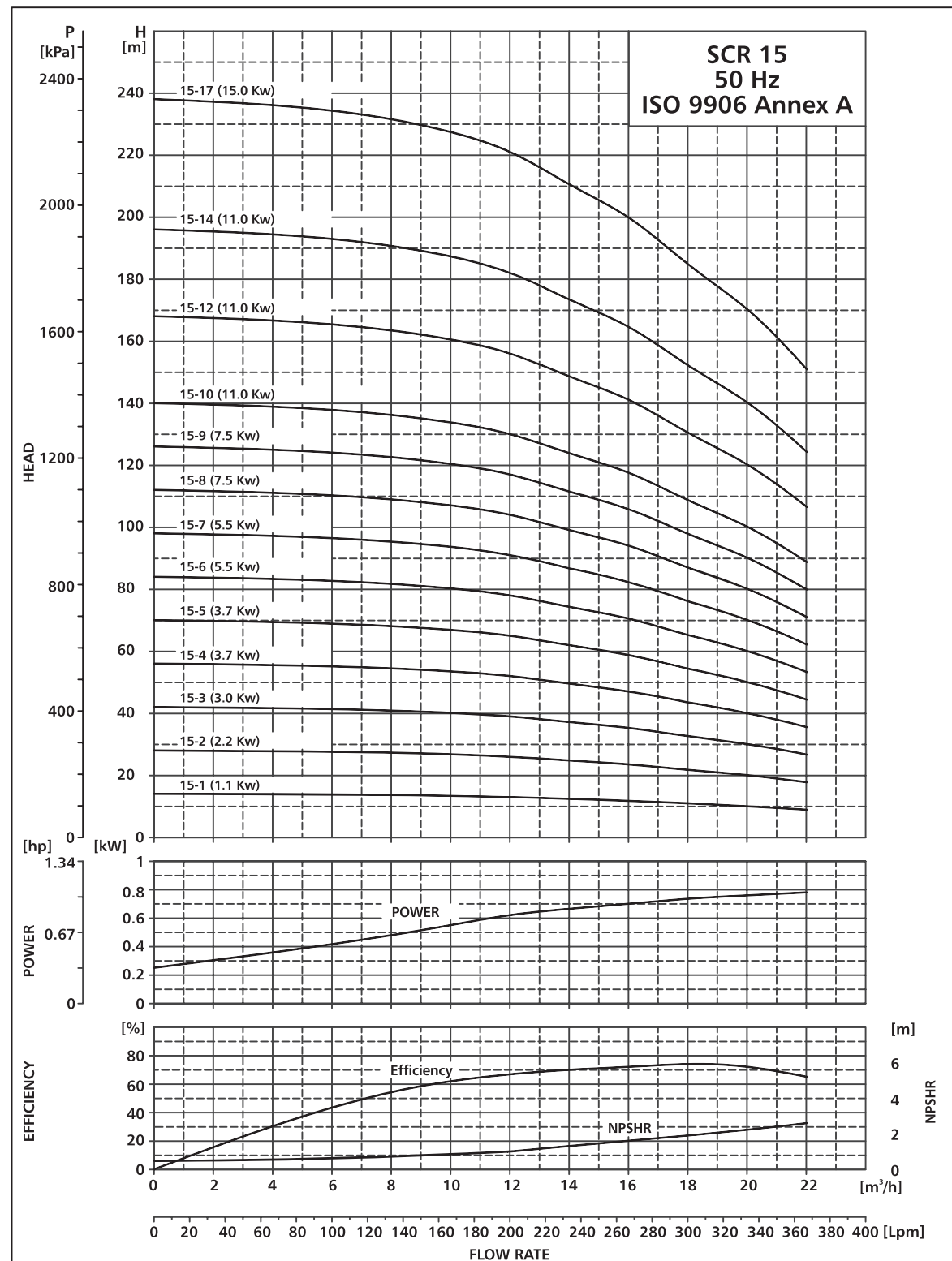
MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	1.5	1.6	1.8	2	2.2	2.5	2.9
					0	6	7	8	9	10	11	12
SCRI, SCR N 10-1	0.37	0.55	1.1		10	10	10	9	9	8	7	7
SCRI, SCR N 10-2	0.75	1	1.8		20	20	19	19	18	16	15	13
SCRI, SCR N 10-3	1.1	1.5	2.5		31	30	29	28	26	25	22	20
SCRI, SCR N 10-4	1.5	2	3.6		41	40	39	37	35	33	30	27
SCRI, SCR N 10-5	2.2	3	4.6		51	50	49	47	44	41	37	33
SCRI, SCR N 10-6	2.2	3	4.6		61	60	58	56	53	49	45	40
SCRI, SCR N 10-7	3	4	5.7		71	70	68	65	61	57	52	47
SCRI, SCR N 10-8	3	4	5.7		82	80	78	74	70	65	60	53
SCRI, SCR N 10-9	3	4	5.7		92	90	87	84	79	74	67	60
SCRI, SCR N 10-10	3.7	5	7.6		102	100	97	93	88	82	75	67
SCRI, SCR N 10-12	4	6	7.6		122	120	117	112	105	98	89	80
SCRI, SCR N 10-14	5.5	7.5	10.5		143	140	136	130	123	114	104	93
SCRI, SCR N 10-16	5.5	7.5	10.5		163	160	156	149	140	131	119	107
SCRI, SCR N 10-18	7.5	10	14.7		184	180	175	167	158	147	134	120
SCRI, SCR N 10-20	7.5	10	14.7		204	200	194	186	175	163	149	133
SCRI, SCR N 10-22	7.5	10	14.7		224	220	214	205	193	180	164	147

- ◆ This performance table is approximate as a performance curve.
- ◆ Technical change without notice.

PERFORMANCE CURVE

SCR 15

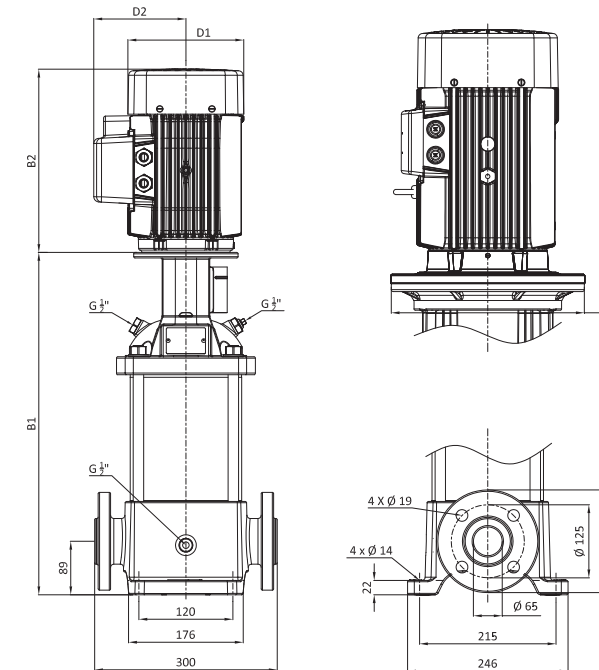
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR 15

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR 15-1	392.5	628	141	127	-	42.0
SCR 15-2	407.5	685	173	130	-	50.0
SCR 15-3	461.5	781	225	169.5	-	57.0
SCR 15-4	508.5	828	225	169.5	-	68.0
SCR 15-5	555.5	875	225	169.5	-	69.0
SCR 15-6	647.5	1031.5	214	129	303.5	91.0
SCR 15-7	694.5	1078.5	214	129	303.5	93.0
SCR 15-8	741.5	1125.5	214	129	303.5	107.0
SCR 15-9	788.5	1172.5	214	129	303.5	108.0
SCR 15-10	900.5	1465.5	314	300	350	150.0
SCR 15-12	994.5	1559.5	314	300	350	154.0
SCR 15-14	1088.5	1653.5	314	300	350	158.0
SCR 15-17	1229.5	1794.5	314	300	350	175.0

PERFORMANCE TABLE

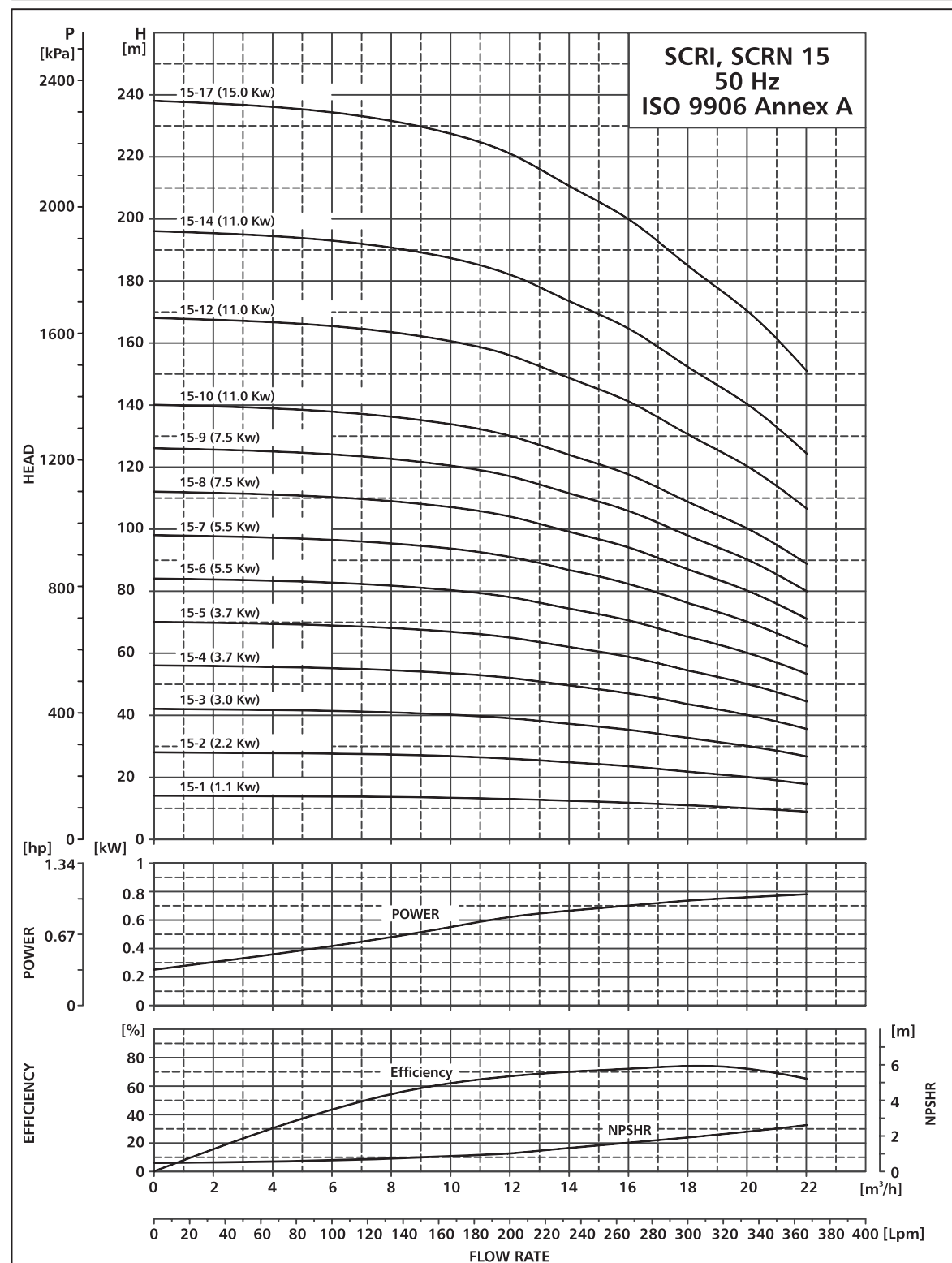
MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	0.7	1	1.5	1.8	2	2.4	2.7
					0	10	12	14	16	18	20	22
					0	167	200	234	267	300	334	367
SCR 15-1	1.1	1.5	2.5		14	13	13	12	12	11	10	9
SCR 15-2	2.2	3	4.6		28	27	26	25	23	22	20	18
SCR 15-3	3	4	5.7		42	40	39	37	35	33	30	27
SCR 15-4	3.7	5	7.6		56	54	52	50	47	44	40	35
SCR 15-5	3.7	5	7.6		70	67	65	62	59	55	50	44
SCR 15-6	5.5	7.5	10.5		84	80	78	74	70	65	60	53
SCR 15-7	5.5	7.5	10.5		98	94	91	87	82	76	70	62
SCR 15-8	7.5	10	14.7		112	107	104	99	94	87	80	71
SCR 15-9	7.5	10	14.7		126	121	117	112	105	98	90	80
SCR 15-10	11	15	18.8		140	134	130	124	117	109	100	89
SCR 15-12	11	15	18.8		168	161	156	149	140	131	119	106
SCR 15-14	11	15	18.8		196	188	182	174	164	153	139	124
SCR 15-17	15	20	28		238	228	221	211	199	185	169	150

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCRI, SCR N 15

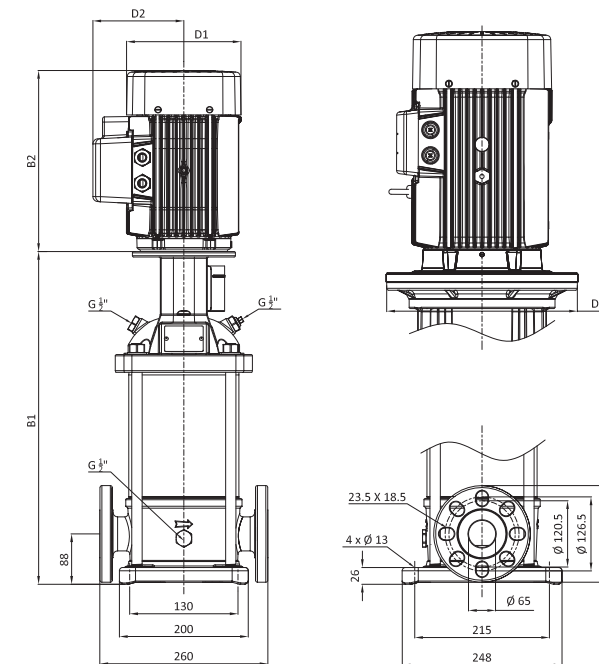
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCRI, SCR N 15

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCRI, SCR N 15-1	398.5	634	141	127	-	38.0
SCRI, SCR N 15-2	417.5	695	173	130	-	47.0
SCRI, SCR N 15-3	465.5	785	225	169.5	-	52.0
SCRI, SCR N 15-4	512.5	832	225	169.5	-	64.0
SCRI, SCR N 15-5	559.5	879	225	169.5	-	65.0
SCRI, SCR N 15-6	650.5	1034.5	214	129	303.5	87.0
SCRI, SCR N 15-7	697.5	1081.5	214	129	303.5	88.0
SCRI, SCR N 15-8	744.5	1128.5	214	129	303.5	92.0
SCRI, SCR N 15-9	791.5	1175.5	214	129	303.5	94.0
SCRI, SCR N 15-10	904	1469	314	300	350	126.0
SCRI, SCR N 15-12	998	1563	314	300	350	130.0
SCRI, SCR N 15-14	1092	1657	314	300	350	133.0
SCRI, SCR N 15-17	1233	1798	314	300	350	151.0

PERFORMANCE TABLE

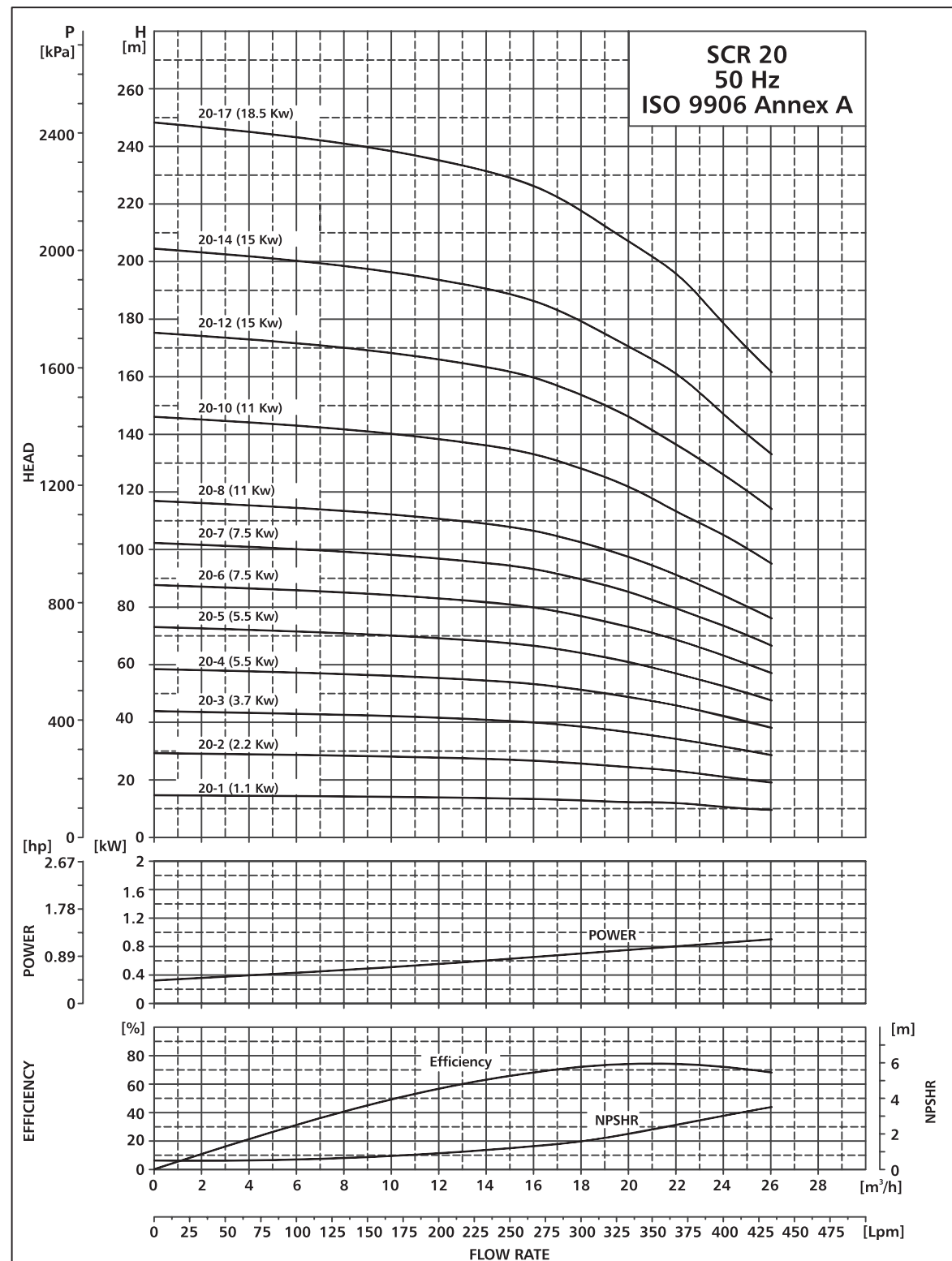
MODEL	kW	HP	Amp.	NPSH (In Mtr)	0	0.7	1	1.5	1.8	2	2.4	2.7
					0	10	12	14	16	18	20	22
					m³/h	LPM	LPM	LPM	LPM	LPM	LPM	LPM
SCRI, SCR N 15-1	1.1	1.5	2.5	Head (Mtr)	14	13	13	12	12	11	10	9
SCRI, SCR N 15-2	2.2	3	4.6		28	27	26	25	23	22	20	18
SCRI, SCR N 15-3	3	4	5.7		42	40	39	37	35	33	30	27
SCRI, SCR N 15-4	3.7	5	7.6		56	54	52	50	47	44	40	35
SCRI, SCR N 15-5	3.7	5	7.6		70	67	65	62	59	55	50	44
SCRI, SCR N 15-6	5.5	7.5	10.5		84	80	78	74	70	65	60	53
SCRI, SCR N 15-7	5.5	7.5	10.5		98	94	91	87	82	76	70	62
SCRI, SCR N 15-8	7.5	10	14.7		112	107	104	99	94	87	80	71
SCRI, SCR N 15-9	7.5	10	14.7		126	121	117	112	105	98	90	80
SCRI, SCR N 15-10	11	15	18.8		140	134	130	124	117	109	100	89
SCRI, SCR N 15-12	11	15	18.8		168	161	156	149	140	131	119	106
SCRI, SCR N 15-14	11	15	18.8		196	188	182	174	164	153	139	124
SCRI, SCR N 15-17	15	20	28		238	228	221	211	199	185	169	150

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCR 20

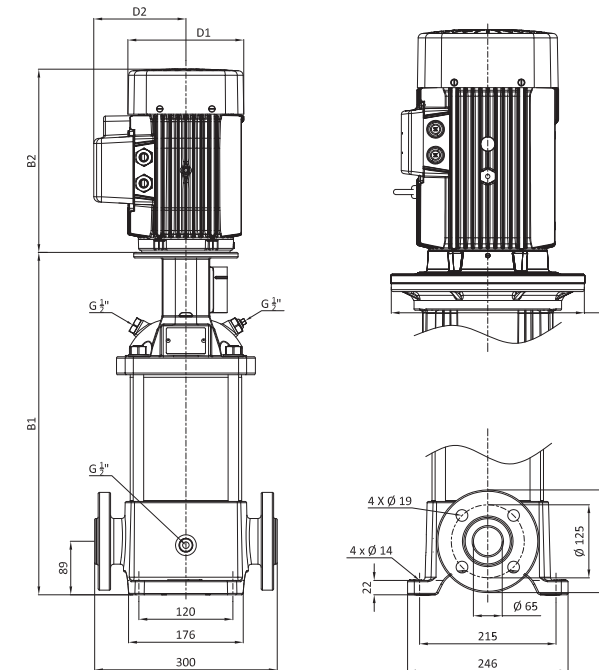
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR 20

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR 20-1	392.5	628	141	127	-	42.0
SCR 20-2	407.5	685	173	130	-	50.0
SCR 20-3	461.5	781	225	169.5	-	66.0
SCR 20-4	553.5	937.5	214	129	303.5	88.0
SCR 20-5	600.5	984.5	214	129	303.5	90.0
SCR 20-6	647.5	1031.5	214	129	303.5	103.0
SCR 20-7	694.5	1078.5	214	129	303.5	105.0
SCR 20-8	806.5	1371.5	314	300	350	147.0
SCR 20-10	900.5	1465.5	314	300	350	150.0
SCR 20-12	994.5	1559.5	314	300	350	166.0
SCR 20-14	1088.5	1653.5	314	300	350	170.0
SCR 20-17	1229.5	1885.5	314	300	350	188.0

PERFORMANCE TABLE

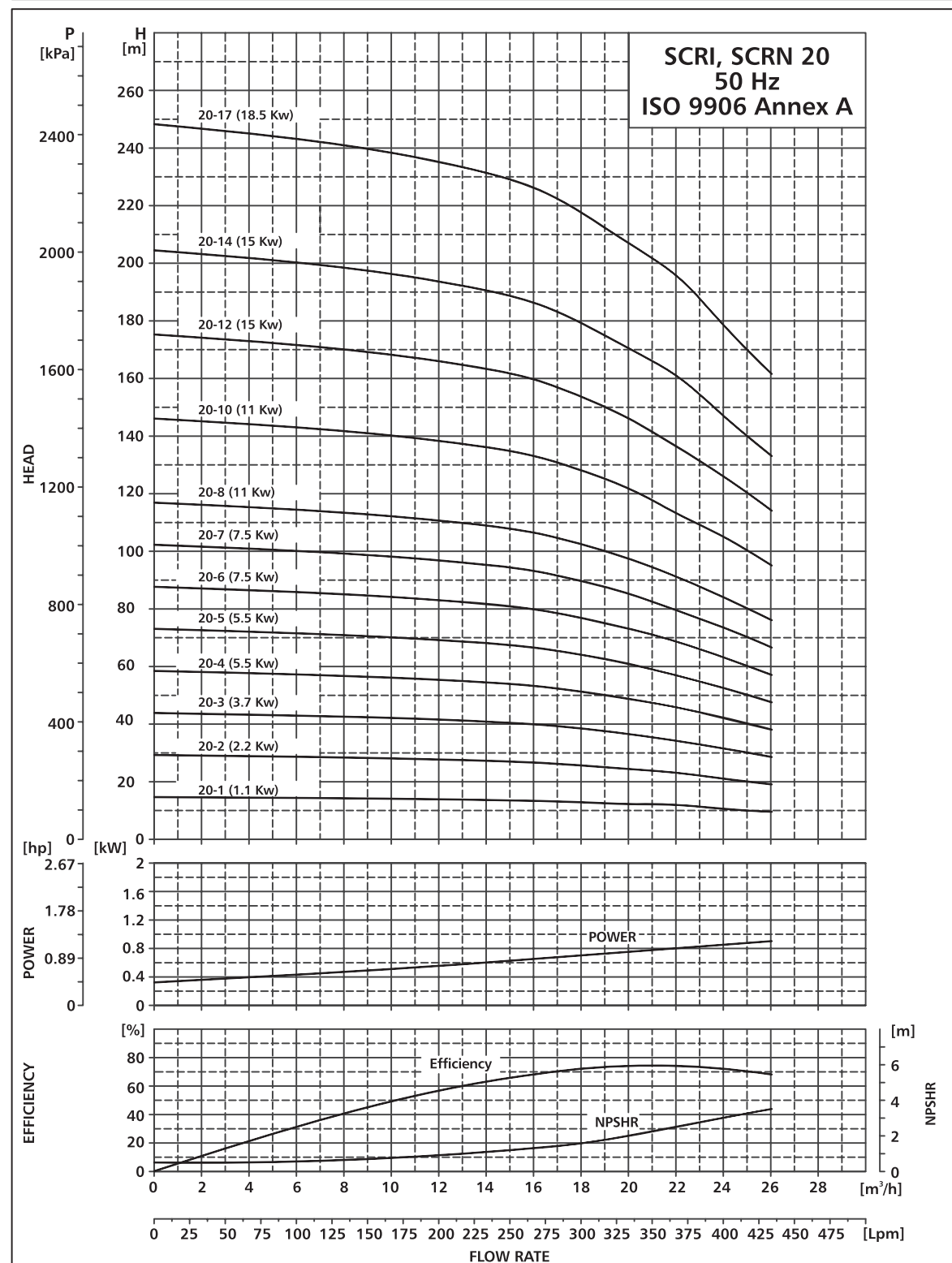
MODEL	kW	HP	Amp.	NPSH (In Mtr)	0	1.1	1.3	1.5	2	2.5	3	3.5
					0	14	16	18	20	22	24	26
					m³/h	LPM	LPM	LPM	LPM	LPM	LPM	LPM
SCR 20-1	1.1	1.5	2.5	Head (Mtr)	15	14	13	13	12	11	11	9
SCR 20-2	2.2	3	4.6		29	27	27	26	24	23	21	19
SCR 20-3	3.7	5	7.6		44	41	40	38	37	34	32	28
SCR 20-4	5.5	7.5	10.5		59	55	54	51	49	45	42	38
SCR 20-5	5.5	7.5	10.5		74	69	67	64	61	57	53	47
SCR 20-6	7.5	10	14.7		88	82	80	77	73	68	63	57
SCR 20-7	7.5	10	14.7		103	96	94	90	85	79	74	66
SCR 20-8	11	15	18.8		118	110	107	102	98	90	84	76
SCR 20-10	11	15	18.8		147	137	134	128	122	113	105	94
SCR 20-12	15	20	28		176	164	161	154	146	136	126	113
SCR 20-14	15	20	28		206	192	188	179	171	158	147	132
SCR 20-17	18.5	25	33.9		250	233	228	218	207	192	179	160

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCRI, SCRN 20

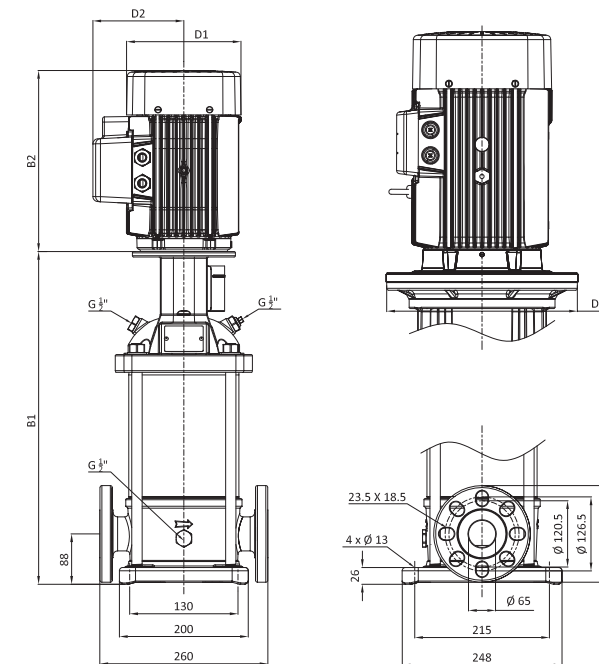
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCRI, SCRN 20

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCRI, SCRN 20-1	398.5	634	141	127	-	38.0
SCRI, SCRN 20-2	417.5	695	173	130	-	47.0
SCRI, SCRN 20-3	465.5	785	225	169.5	-	62.0
SCRI, SCRN 20-4	556.5	940.5	214	129	303.5	84.0
SCRI, SCRN 20-5	603.5	987.5	214	129	303.5	86.0
SCRI, SCRN 20-6	650.5	1034.5	214	129	303.5	89.0
SCRI, SCRN 20-7	697.5	1081.5	214	129	303.5	91.0
SCRI, SCRN 20-8	810	1375	314	300	350	123.0
SCRI, SCRN 20-10	904	1469	314	300	350	126.0
SCRI, SCRN 20-12	998	1563	314	300	350	144.0
SCRI, SCRN 20-14	1092	1657	314	300	350	147.0
SCRI, SCRN 20-17	1233	1889	314	300	350	161.0

PERFORMANCE TABLE

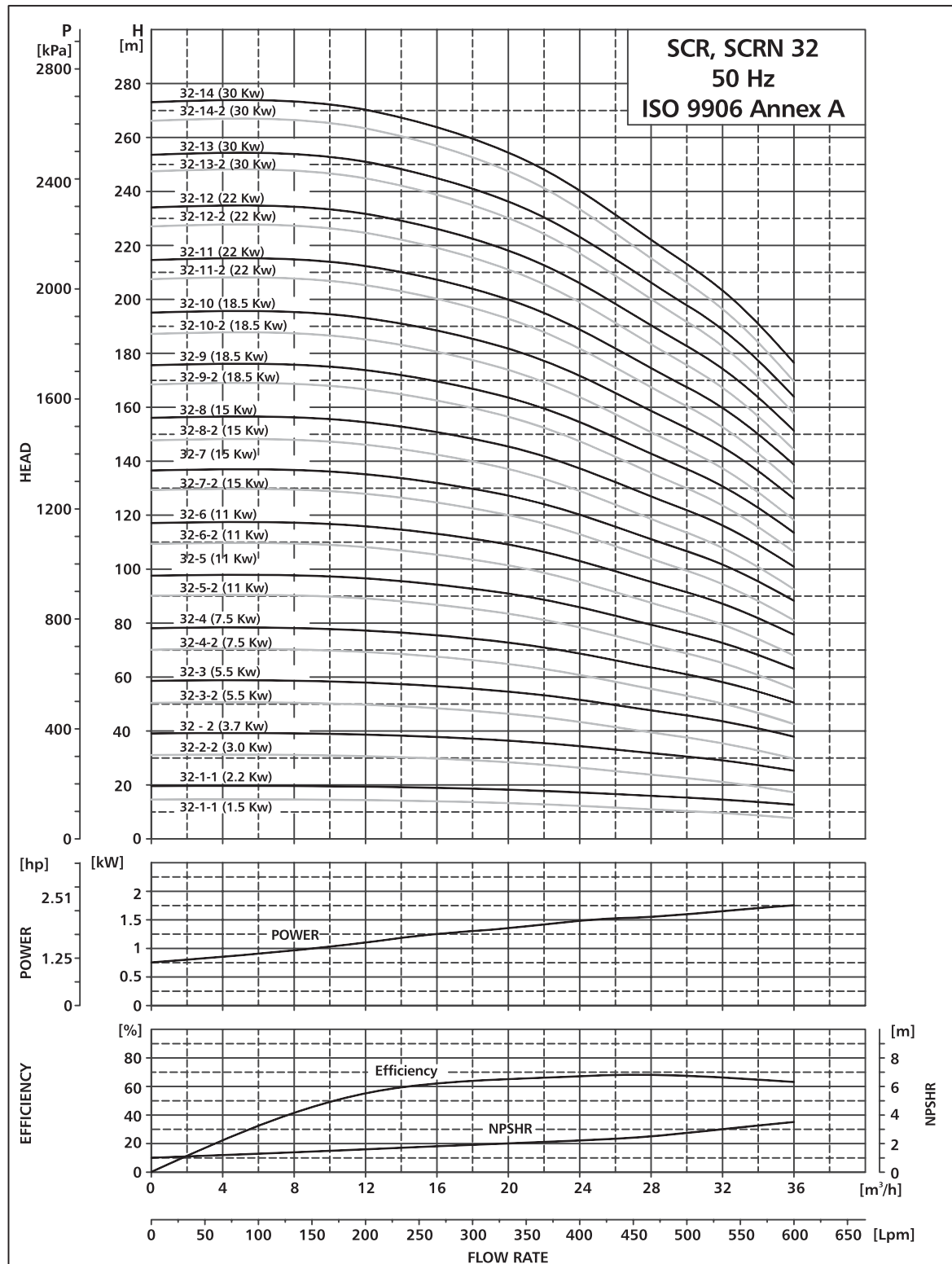
MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	1.1	1.3	1.5	2	2.5	3	3.5
					0	14	16	18	20	22	24	26
SCRI, SCRN 20-1	1.1	1.5	2.5	Head (Mtr)	15	14	13	13	12	11	11	9
SCRI, SCRN 20-2	2.2	3	4.6		29	27	27	26	24	23	21	19
SCRI, SCRN 20-3	3.7	5	7.6		44	41	40	38	37	34	32	28
SCRI, SCRN 20-4	5.5	7.5	10.5		59	55	54	51	49	45	42	38
SCRI, SCRN 20-5	5.5	7.5	10.5		74	69	67	64	61	57	53	47
SCRI, SCRN 20-6	7.5	10	14.7		88	82	80	77	73	68	63	57
SCRI, SCRN 20-7	7.5	10	14.7		103	96	94	90	85	79	74	66
SCRI, SCRN 20-8	11	15	18.8		118	110	107	102	98	90	84	76
SCRI, SCRN 20-10	11	15	18.8		147	137	134	128	122	113	105	94
SCRI, SCRN 20-12	15	20	28		176	164	161	154	146	136	126	113
SCRI, SCRN 20-14	15	20	28		206	192	188	179	171	158	147	132
SCRI, SCRN 20-17	18.5	25	33.9		250	233	228	218	207	192	179	160

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCR, SCRI, SCRN 32

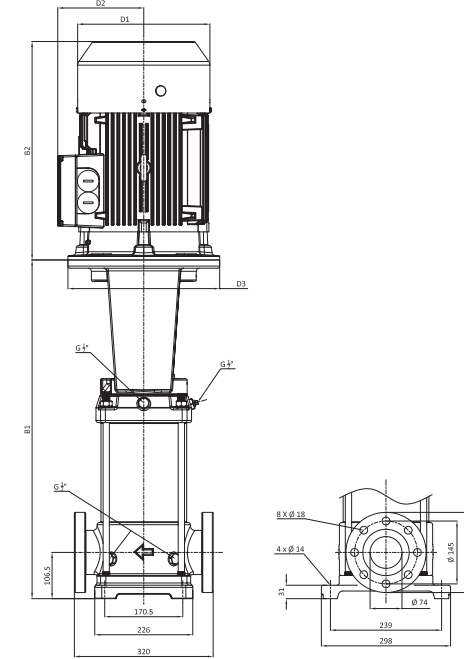
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR, SCRI, SCRN 32

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR, SCRN 32-1-1	510.5	788	173	130	270	70.0
SCR, SCRN 32-1	510.5	788	173	130	270	79.0
SCR, SCRN 32-2-2	580.5	900	225	169.5	270	88.0
SCR, SCRN 32-2	580.5	900	225	169.5	270	97.0
SCR, SCRN 32-3-2	652	1036	214	129	303.5	106.0
SCR, SCRN 32-3	652	1036	214	129	303.5	106.0
SCR, SCRN 32-4-2	722	1106	214	129	303.5	115.0
SCR, SCRN 32-4	722	1106	214	129	303.5	115.0
SCR, SCRN 32-5-2	901	1466	314	300	350	156.0
SCR, SCRN 32-5	901	1466	314	300	350	156.0
SCR, SCRN 32-6-2	971	1536	314	300	350	160.0
SCR, SCRN 32-6	971	1536	314	300	350	160.0
SCR, SCRN 32-7-2	1041	1606	314	300	350	197.0
SCR, SCRN 32-7	1041	1606	314	300	350	197.0
SCR, SCRN 32-8-2	1111	1676	314	300	350	201.0
SCR, SCRN 32-8	1111	1676	314	300	350	201.0
SCR, SCRN 32-9-2	1181	1746	314	300	350	214.0
SCR, SCRN 32-9	1181	1746	314	300	350	214.0
SCR, SCRN 32-10-2	1251	1816	314	300	350	218.0
SCR, SCRN 32-10	1251	1816	314	300	350	218.0
SCR, SCRN 32-11-2	1321	1977	354	325	350	275.0
SCR, SCRN 32-11	1321	1977	354	325	350	275.0
SCR, SCRN 32-12-2	1391	2047	354	325	350	279.0
SCR, SCRN 32-12	1391	2047	354	325	350	279.0
SCR, SCRN 32-13-2	1461	2171	395	365	400	362.0
SCR, SCRN 32-13	1461	2171	395	365	400	362.0
SCR, SCRN 32-14-2	1531	2241	395	365	400	366.0
SCR, SCRN 32-14	1531	2241	395	365	400	366.0

PERFORMANCE TABLE

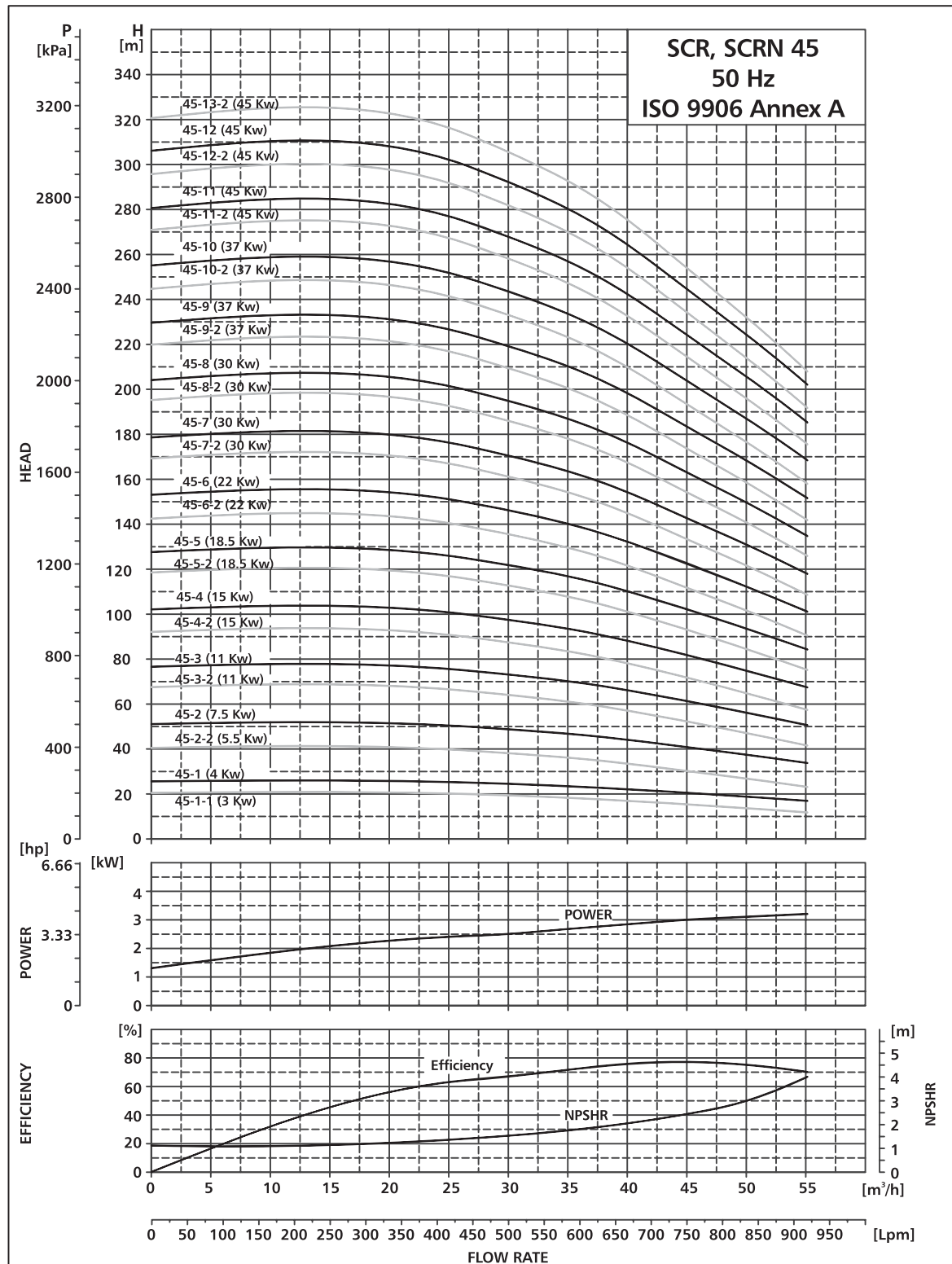
MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	1.5	1.8	2	2.2	2.5	3	3.5
					0	12	16	20	24	28	32	36
SCR, SCRN 32-1-1	1.5	2	3.6		16	15	15	14	13	11	10	8
SCR, SCRN 32-1	2.2	3	4.6		20	19	19	18	17	16	15	13
SCR, SCRN 32-2-2	3	4	5.7		32	31	30	29	27	24	20	16
SCR, SCRN 32-2	3.7	5	7.6		39	39	38	36	34	32	29	25
SCR, SCRN 32-3-2	5.5	7.5	10.5		51	51	49	47	44	40	35	29
SCR, SCRN 32-3	5.5	7.5	10.5		59	58	56	54	51	48	44	38
SCR, SCRN 32-4-2	7.5	10	14.7		70	70	68	65	61	55	51	41
SCR, SCRN 32-4	7.5	10	14.7		78	77	75	72	68	64	58	51
SCR, SCRN 32-5-2	11	15	18.8		90	90	88	84	79	72	67	57
SCR, SCRN 32-5	11	15	18.8		98	97	94	91	86	80	73	64
SCR, SCRN 32-6-2	11	15	18.8		110	110	106	102	95	87	81	68
SCR, SCRN 32-6	11	15	18.8		117	116	113	109	103	95	87	76
SCR, SCRN 32-7-2	15	20	28		130	130	126	112	120	104	96	83
SCR, SCRN 32-7	15	20	28		137	135	132	127	120	111	102	89
SCR, SCRN 32-8-2	15	20	28		148	148	144	138	131	118	110	93
SCR, SCRN 32-8	15	20	28		156	154	150	145	137	127	116	102
SCR, SCRN 32-9-2	18.5	25	33.9		169	169	163	157	148	135	128	109
SCR, SCRN 32-9	18.5	25	33.9		176	174	169	163	154	143	131	114
SCR, SCRN 32-10-2	18.5	25	33.9		187	188	182	175	167	153	139	120
SCR, SCRN 32-10	18.5	25	33.9		195	193	188	181	171	159	145	127
SCR, SCRN 32-11-2	22	30	44		208	208	201	194	185	170	158	134
SCR, SCRN 32-11	22	30	44		215	212	207	199	188	175	160	140
SCR, SCRN 32-12-2	22	30	44		227	227	220	212	201	182	171	146
SCR, SCRN 32-12	22	30	44		234	232	226	217	205	191	174	152
SCR, SCRN 32-13-2	30	40	56.4		248	249	242	233	222	205	190	161
SCR, SCRN 32-13	30	40	56.4		254	251	244	235	222	207	189	165
SCR, SCRN 32-14-2	30	40	56.4		267	268	261	251	239	217	206	175
SCR, SCRN 32-14	30	40	56.4		273	270	263	253	239	223	203	178

◆ This performance table is approximate as performance curve. ◆ Subject to technical change without notice.

PERFORMANCE CURVE

SCR, SCRI, SCRN 45

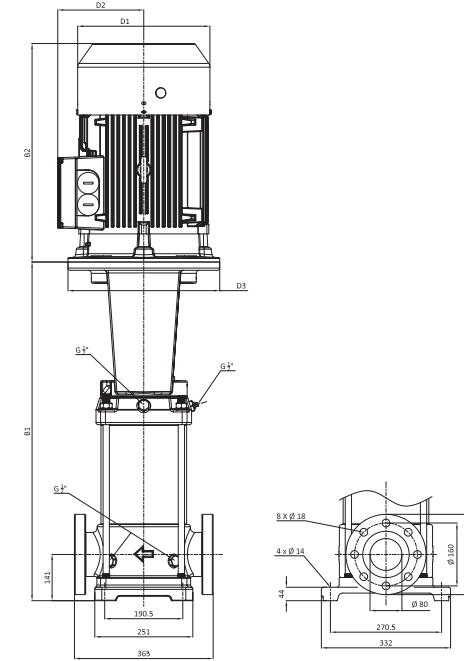
PERFORMANCE CURVES PRESSURE BOOSTING PUMP



TECHNICAL DATA

SCR, SCRI, SCRN 45

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR, SCRN 45-1-1	559	878.5	225	169.5	270	94.0
SCR, SCRN 45-1	559	878.5	225	169.5	270	103.0
SCR, SCRN 45-2-2	640.5	1024.5	214	129	303.5	112.0
SCR, SCRN 45-2	640.5	1024.5	214	129	303.5	117.0
SCR, SCRN 45-3-2	829.5	1394.5	314	300	350	158.0
SCR, SCRN 45-3	829.5	1394.5	314	300	350	158.0
SCR, SCRN 45-4-2	909.5	1475.5	314	300	350	196.0
SCR, SCRN 45-4	909.5	1474.5	314	300	350	196.0
SCR, SCRN 45-5-2	989.5	1554.5	314	300	350	209.0
SCR, SCRN 45-5	989.5	1554.5	314	300	350	209.0
SCR, SCRN 45-6-2	1069.5	1725.5	354	325	350	266.0
SCR, SCRN 45-6	1069.5	1725.5	354	325	350	266.0
SCR, SCRN 45-7-2	1149.5	1859.5	395	365	400	349.0
SCR, SCRN 45-7	1149.5	1859.5	395	365	400	349.0
SCR, SCRN 45-8-2	1229.5	1939.5	395	365	400	353.0
SCR, SCRN 45-8	1229.5	1939.5	395	365	400	353.0
SCR, SCRN 45-9-2	1309.5	2019.5	395	365	400	358.0
SCR, SCRN 45-9	1309.5	2019.5	395	365	400	358.0
SCR, SCRN 45-10-2	1389.5	2099.5	395	365	400	382.0
SCR, SCRN 45-10	1389.5	2099.5	395	365	400	382.0
SCR, SCRN 45-11-2	1469.5	2245.5	440	390	450	447.0
SCR, SCRN 45-11	1469.5	2245.5	440	390	450	447.0
SCR, SCRN 45-12-2	1549.5	2325.5	440	390	450	452.0
SCR, SCRN 45-12	1549.5	2325.5	440	390	450	452.0
SCR, SCRN 45-13-2	1629.5	2405.5	440	390	450	457.0

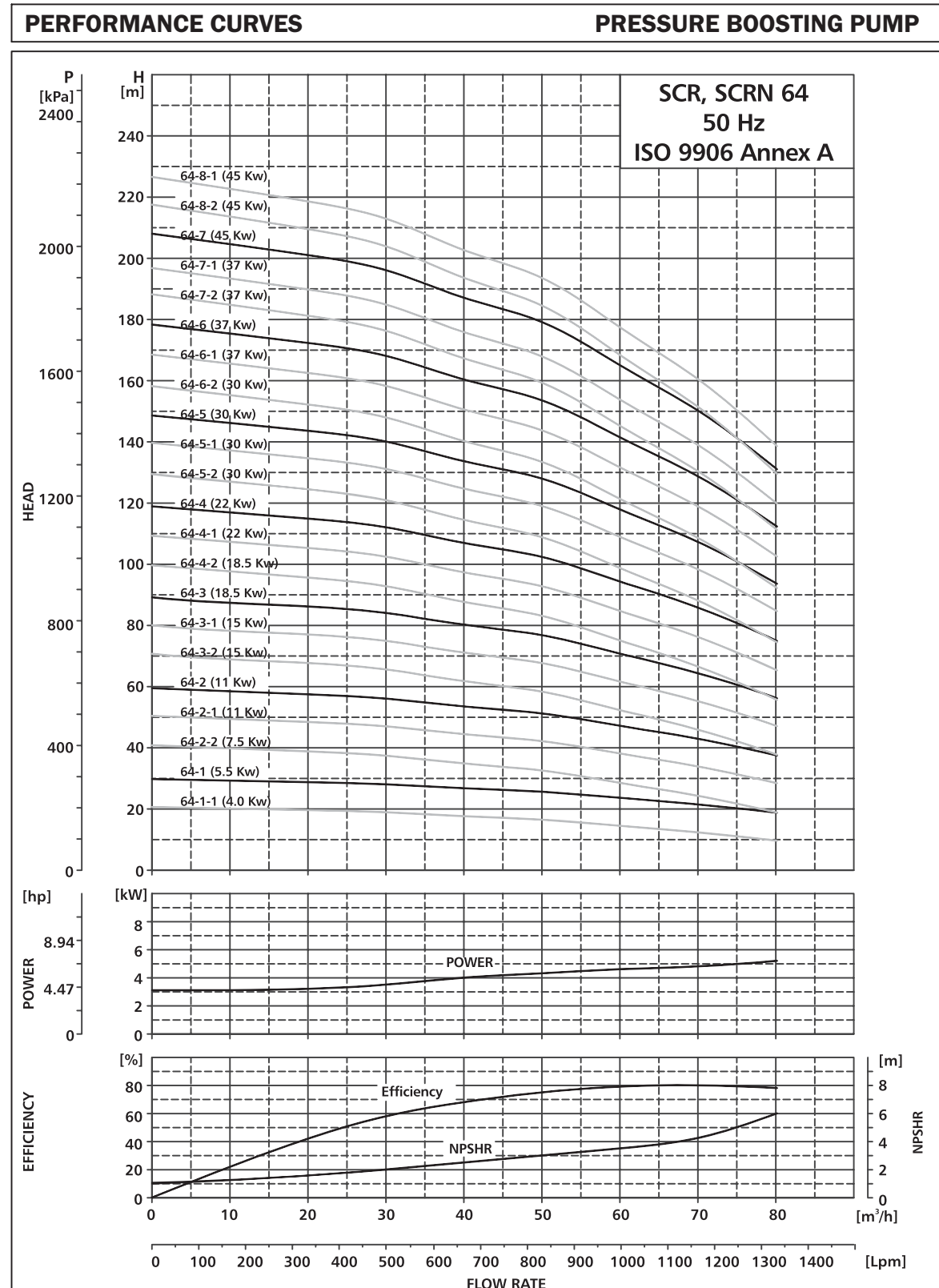
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	1.4	1.6	1.8	2	2.5	3	4
					0	25	30	35	40	45	50	55
SCR, SCRN 45-1-1	3	4	5.7		21	20	19	18	16	15	13	11
SCR, SCRN 45-1	4	5	7.6		26	25	24	23	22	20	19	17
SCR, SCRN 45-2-2	5.5	7.5	10.5		42	41	39	37	34	30	26	24
SCR, SCRN 45-2	7.5	10	14.7		51	50	49	47	44	41	37	34
SCR, SCRN 45-3-2	11	15	18.8		67	66	64	61	57	52	46	42
SCR, SCRN 45-3	11	15	18.8		77	75	73	70	66	61	56	51
SCR, SCRN 45-4-2	15	20	28		92	91	88	84	78	72	65	60
SCR, SCRN 45-4	15	20	28		102	100	97	93	88	82	75	68
SCR, SCRN 45-5-2	18.5	25	33.9		118	116	112	107	100	92	84	77
SCR, SCRN 45-5	18.5	25	33.9		128	126	122	117	110	102	94	85
SCR, SCRN 45-6-2	22	30	44		143	142	137	130	122	113	102	95
SCR, SCRN 45-6	22	30	44		153	151	146	140	132	122	112	101
SCR, SCRN 45-7-2	30	40	56.4		169	168	163	156	146	136	123	114
SCR, SCRN 45-7	30	40	56.4		179	176	170	163	154	143	131	118
SCR, SCRN 45-8-2	30	40	56.4		195	193	187	179	168	156	141	132
SCR, SCRN 45-8	30	40	56.4		204	201	194	186	176	163	150	135
SCR, SCRN 45-9-2	30	40	56.4		220	217	210	201	189	175	158	146
SCR, SCRN 45-9	37	50	68		230	226	219	210	198	184	168	152
SCR, SCRN 45-10-2	37	50	68		245	243	236	225	212	196	178	164
SCR, SCRN 45-10	37	50	68		255	251	243	233	220	204	187	169
SCR, SCRN 45-11-2	45	60	83		272	271	264	252	238	221	201	187
SCR, SCRN 45-11	45	60	83		281	276	267	256	242	224	206	186
SCR, SCRN 45-12-2	45	60	83		296	298	228	276	261	242	220	200
SCR, SCRN 45-12	45	60	83		306	301	292	280	264	245	224	203
SCR, SCRN 45-13-2	45	60	83		322	323	313	299	282	263	238	222

◆ This performance table is approximate as performance curve. ◆ Subject to technical change without notice.

PERFORMANCE CURVE

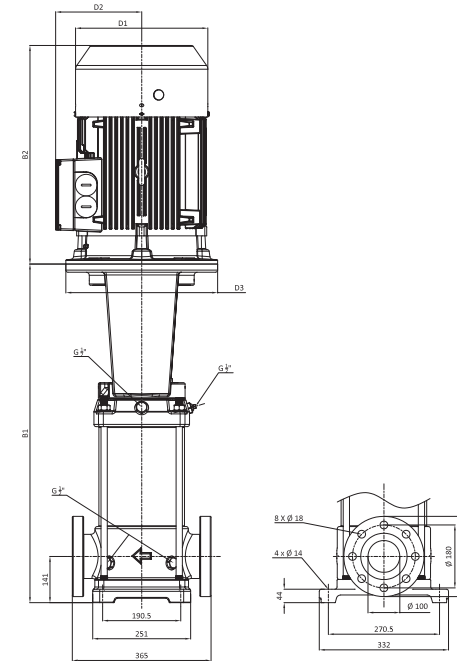
SCR, SCRI, SCRN 64



TECHNICAL DATA

SCR, SCRI, SCRN 64

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR, SCRN 64-1-1	561.5	881	225	169.5	270	106.0
SCR, SCRN 64-1	563	947	214	129	303.5	160.0
SCR, SCRN 64-2-2	645.5	1029.5	214	129	303.5	120.0
SCR, SCRN 64-2-1	754.5	1319.5	314	300	350	120.0
SCR, SCRN 64-2	754.5	1319.5	314	300	350	157.0
SCR, SCRN 64-3-2	837	1402	314	300	350	157.0
SCR, SCRN 64-3-1	837	1402	314	300	350	194.0
SCR, SCRN 64-3	837	1402	314	300	350	194.0
SCR, SCRN 64-4-2	919.5	1484.5	314	300	350	208.0
SCR, SCRN 64-4-1	919.5	1575.5	354	325	350	208.0
SCR, SCRN 64-4	919.5	1575.5	354	325	350	261.0
SCR, SCRN 64-5-2	1002	1712	395	365	400	261.0
SCR, SCRN 64-5-1	1002	1712	395	365	400	344.0
SCR, SCRN 64-5	1002	1712	395	365	400	344.0
SCR, SCRN 64-6-2	1084.5	1794.5	395	365	400	348.0
SCR, SCRN 64-6-1	1084.5	1794.5	395	365	400	348.0
SCR, SCRN 64-6	1084.5	1794.5	395	365	400	368.0
SCR, SCRN 64-7-2	1167	1877	395	365	400	368.0
SCR, SCRN 64-7-1	1167	1877	395	365	400	373.0
SCR, SCRN 64-7	1167	1943	440	390	450	373.0
SCR, SCRN 64-8-2	1249.5	2025.5	440	390	450	442.0
SCR, SCRN 64-8-1	1249.5	2025.5	440	390	450	442.0

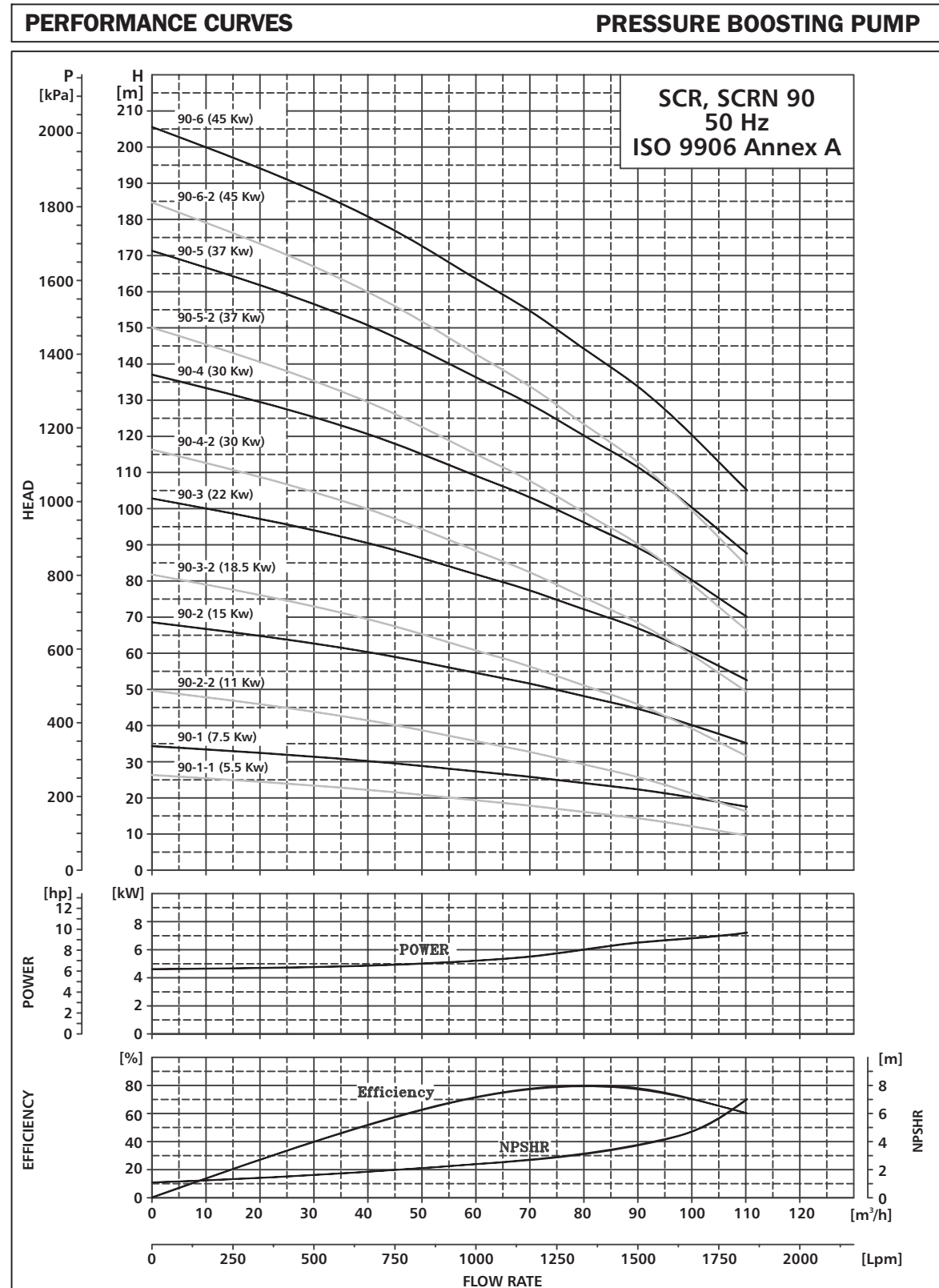
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	1.6	2	2.5	3	3.5	4.5	6
					0	20	30	40	50	60	70	80
SCR, SCRN 64-1-1	4	5	7.6		22	21	20	19	17	15	12	8
SCR, SCRN 64-1	5.5	7.5	10.5		30	29	28	27	26	24	21	19
SCR, SCRN 64-2-2	7.5	10	14.7		41	40	40	38	35	31	26	18
SCR, SCRN 64-2-1	11	15	18.8		51	49	47	45	42	38	34	29
SCR, SCRN 64-2	11	15	18.8		60	58	56	54	51	47	43	37
SCR, SCRN 64-3-2	15	20	28		70	69	68	65	61	55	48	39
SCR, SCRN 64-3-1	15	20	28		79	77	75	72	67	62	55	46
SCR, SCRN 64-3	18.5	25	33.9		89	86	84	80	77	71	64	56
SCR, SCRN 64-4-2	18.5	25	33.9		99	98	96	92	86	79	69	58
SCR, SCRN 64-4-1	22	30	44		109	107	104	100	95	87	78	67
SCR, SCRN 64-4	22	30	44		119	115	112	107	102	94	86	75
SCR, SCRN 64-5-2	30	40	56.4		129	128	126	122	115	106	94	80
SCR, SCRN 64-5-1	30	40	56.4		139	136	134	129	122	112	101	88
SCR, SCRN 64-5	30	40	56.4		149	144	140	134	128	118	107	94
SCR, SCRN 64-6-2	30	40	56.4		158	156	154	148	140	129	115	99
SCR, SCRN 64-6-1	37	50	68		168	165	162	156	148	137	124	107
SCR, SCRN 64-6	37	50	68		179	173	168	161	153	141	128	112
SCR, SCRN 64-7-2	37	50	68		187	185	182	176	166	153	137	118
SCR, SCRN 64-7-1	37	50	68		197	194	190	183	173	160	145	126
SCR, SCRN 64-7	45	60	83		208	201	196	187	173	165	150	131
SCR, SCRN 64-8-2	45	60	83		215	214	214	207	195	180	162	141
SCR, SCRN 64-8-1	45	60	83		225	226	222	214	203	188	169	148

◆ This performance table is approximate as performance curve.
◆ Subject to technical change without notice.

PERFORMANCE CURVE

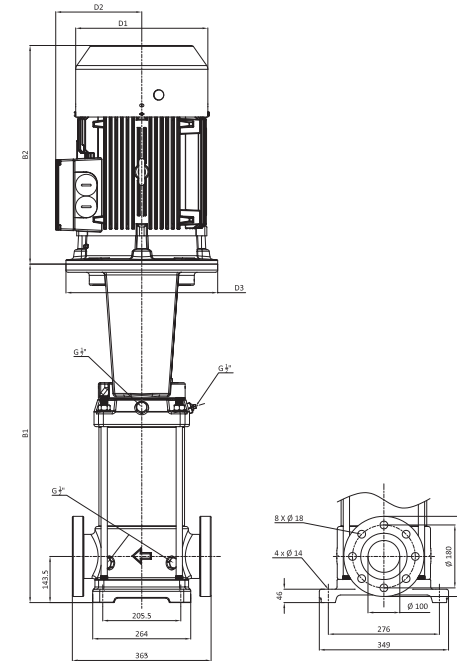
SCR, SCRI, SCRN 90



TECHNICAL DATA

SCR, SCRI, SCRN 90

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR, SCRN 90-1-1	575	959	214	129	303.5	118.0
SCR, SCRN 90-1	575	959	214	129	303.5	122.0
SCR, SCRN 90-2-2	776	1341	314	300	350	164.0
SCR, SCRN 90-2	776	1341	314	300	350	197.0
SCR, SCRN 90-3-2	868	1433	314	300	350	211.0
SCR, SCRN 90-3	868	1524	354	325	350	264.0
SCR, SCRN 90-4-2	960	1670	395	365	400	347.0
SCR, SCRN 90-4	960	1670	395	365	400	347.0
SCR, SCRN 90-5-2	1052	1762	395	365	400	372.0
SCR, SCRN 90-5	1052	1762	395	365	400	372.0
SCR, SCRN 90-6-2	1144	1920	440	390	450	437.0
SCR, SCRN 90-6	1144	1920	440	390	450	437.0

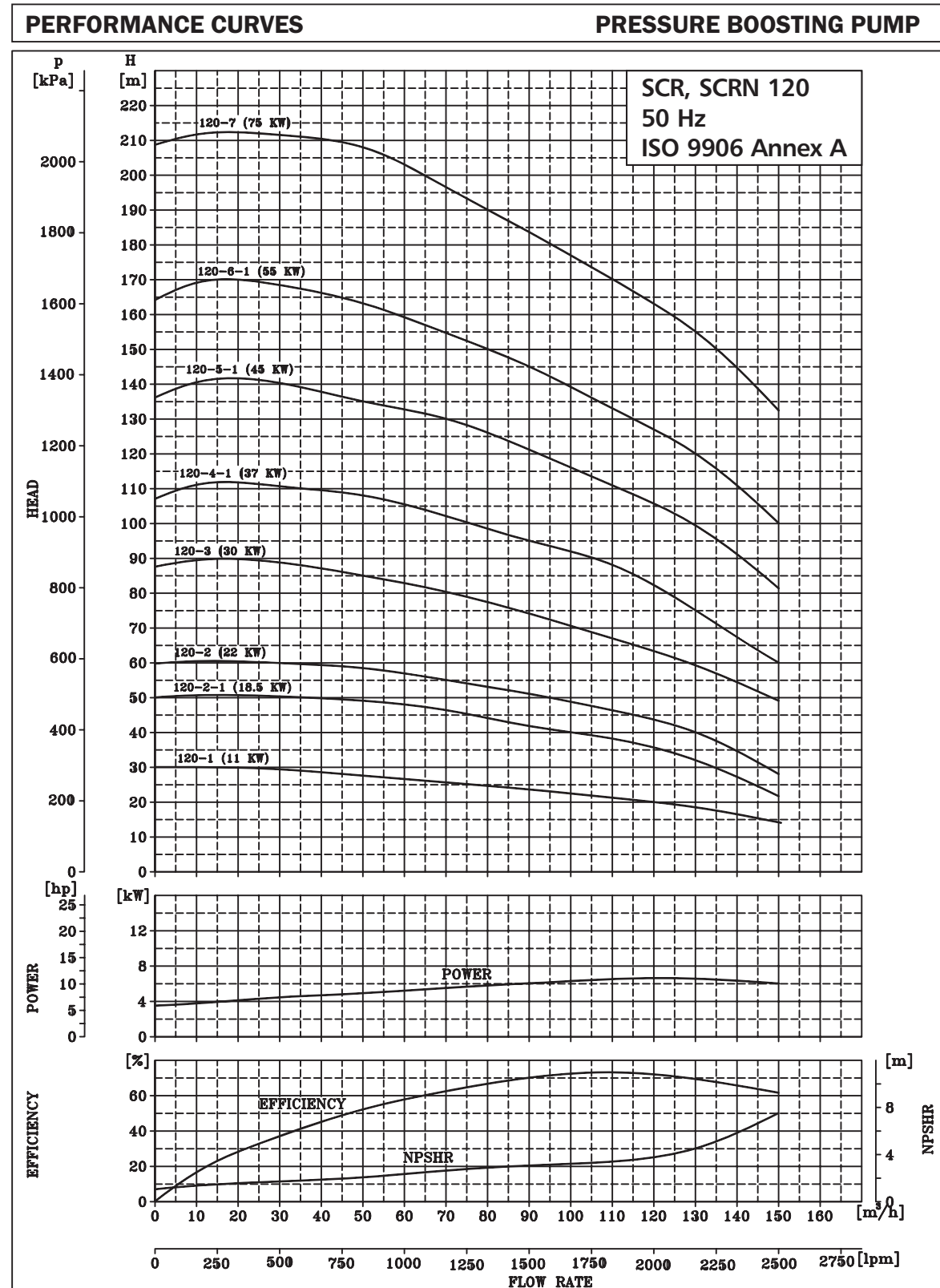
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	Head (Mtr)							
					0	2	2.5	2.8	3	3.8	4.8	7
					0	50	60	70	80	90	100	110
SCR, SCRN 90-1-1	5.5	7.5	10.5		26	21	20	18	16	14	10	6
SCR, SCRN 90-1	7.5	10	14.7		34	29	27	26	24	22	20	18
SCR, SCRN 90-2-2	11	15	18.8		48	43	41	38	34	30	24	17
SCR, SCRN 90-2	15	20	28		69	58	55	52	48	44	40	35
SCR, SCRN 90-3-2	18.5	25	33.9		81	72	68	64	58	52	44	35
SCR, SCRN 90-3	22	30	44		103	86	82	77	72	67	60	53
SCR, SCRN 90-4-2	30	40	56.4		116	102	97	91	84	76	66	54
SCR, SCRN 90-4	30	40	56.4		137	115	109	103	96	89	80	70
SCR, SCRN 90-5-2	37	50	68		150	131	125	118	108	98	86	72
SCR, SCRN 90-5	37	50	68		171	144	136	129	120	111	100	88
SCR, SCRN 90-6-2	45	60	83		185	162	154	145	135	123	108	92
SCR, SCRN 90-6	45	60	83		206	173	164	155	144	133	120	105

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

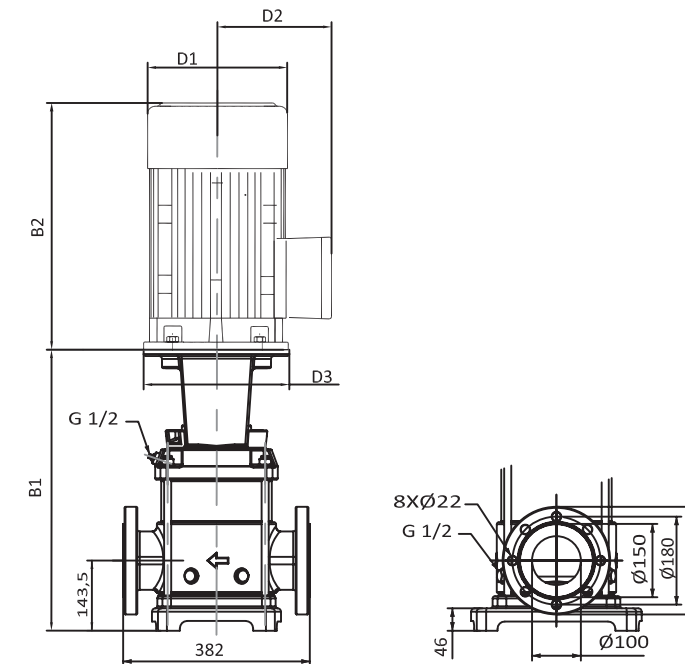
SCR, SCRI, SCRN 120



TECHNICAL DATA

SCR, SCRI, SCRN 120

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR, SCRN 120-1	794.5	1359.5	314	300	350	191.0
SCR, SCRN 120-2-1	950.5	1515.5	314	300	350	227.0
SCR, SCRN 120-2	950.5	1606.5	354	325	350	241.0
SCR, SCRN 120-3	1106.5	1816.5	395	365	400	353.0
SCR, SCRN 120-4-1	1262.5	1972.5	395	365	400	392.0
SCR, SCRN 120-5-1	1418.5	2194.5	440	390	450	487.0
SCR, SCRN 120-6-1	1621	2368	484	415	550	627.0
SCR, SCRN 120-7	1777	2597	543	517	550	741.0

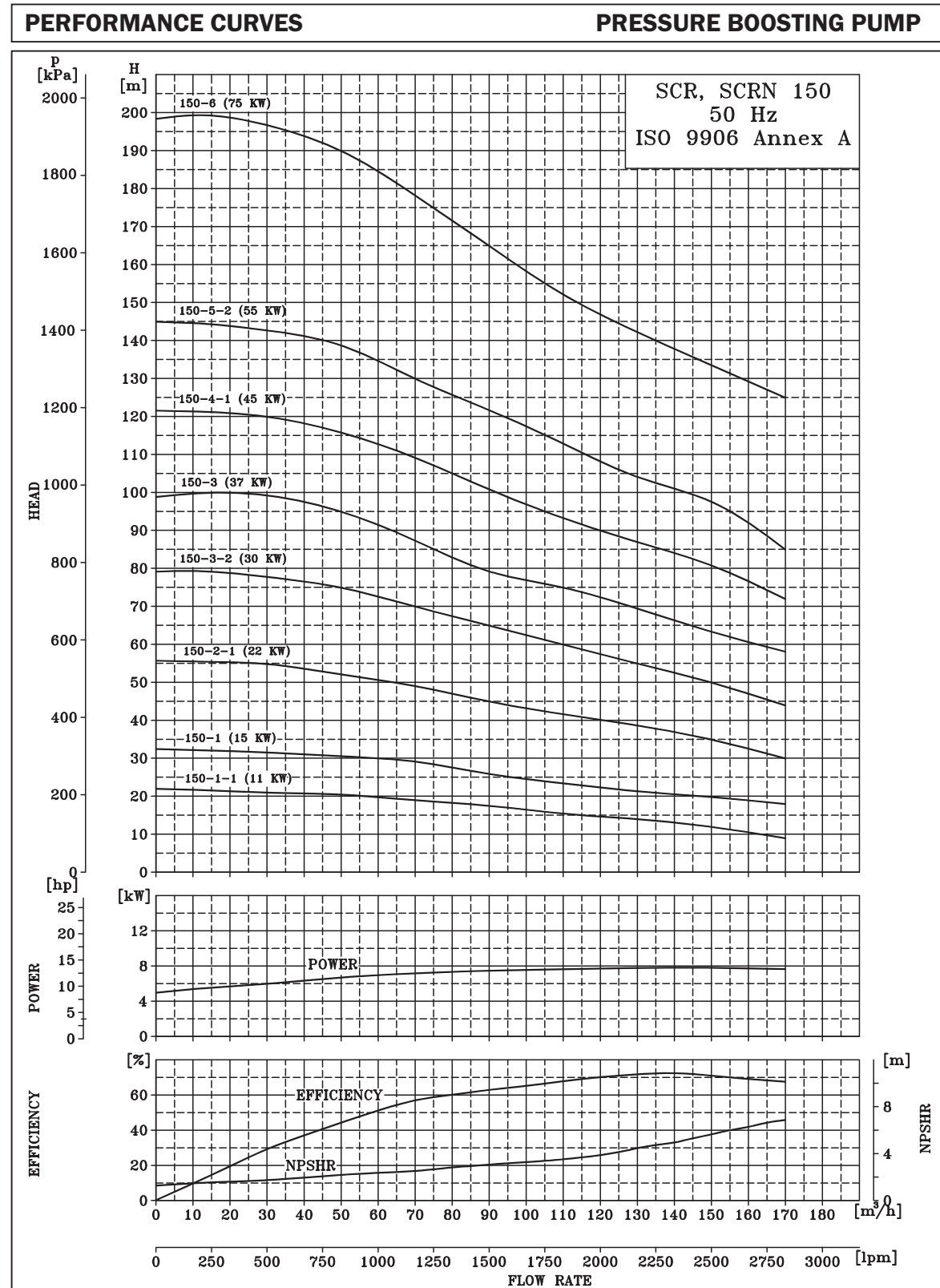
PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	0	1.8	2.1	2.7	3	3.5	4.5	7.5
					m³/h	30	50	70	90	110	130	150
					LPM	0	500	833	1167	1500	1833	2167
SCR, SCRN 120-1	11	15	18.8	Head (Mtr)	30	29	27	25	23	21	18	14
SCR, SCRN 120-2-1	18.5	25	33.9		50	50	49	46	42	38	32	22
SCR, SCRN 120-2	22	30	42		60	60	58	55	51	46	40	29
SCR, SCRN 120-3	30	40	56		87	89	85	80	74	66	59	49
SCR, SCRN 120-4-1	37	50	68		107	111	108	102	95	89	75	60
SCR, SCRN 120-5-1	45	60	83		136	140	135	130	121	111	100	82
SCR, SCRN 120-6-1	55	75	95		164	169	163	155	145	132	120	100
SCR, SCRN 120-7	75	100	130		209	211	207	196	184	170	155	132

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PERFORMANCE CURVE

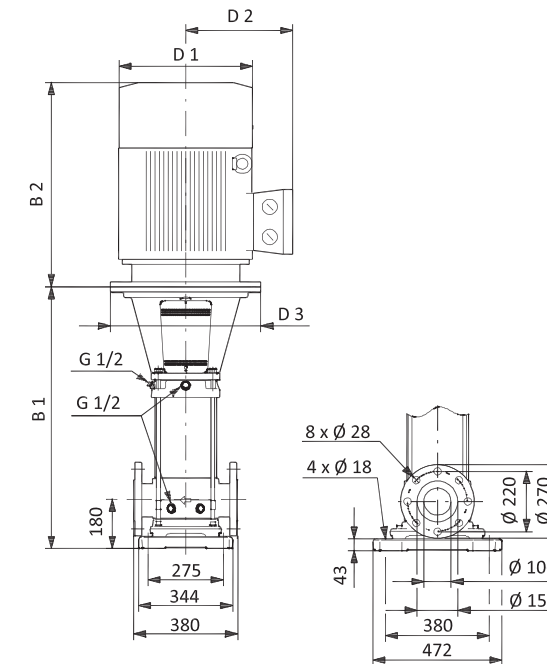
SCR, SCRI, SCRN 150



TECHNICAL DATA

SCR, SCRI, SCRN 150

DIMENSIONAL SKETCH & PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	Size in mm					Weight (Kg)
	B1	B1+B2	D1	D2	D3	
SCR, SCRN 150-1-1	794.5	1359.5	314	300	350	191.0
SCR, SCRN 150-1	794.5	1359.5	314	300	350	204.0
SCR, SCRN 150-2-1	950.5	1606.5	354	325	350	241.0
SCR, SCRN 150-3-2	1106.5	1816.5	395	365	400	353.0
SCR, SCRN 150-3	1106.5	1816.5	395	365	400	383.0
SCR, SCRN 150-4-1	1262.5	2038.5	440	390	450	477.0
SCR, SCRN 150-5-2	1465	2212	484	415	550	617.0
SCR, SCRN 150-6	1621	2441	543	517	550	733.0

PERFORMANCE TABLE

MODEL	kW	HP	Amp.	NPSH (In Mtr)	0	2.2	2.5	3	3.5	4.5	5.7	6.9
					0	50	70	90	110	130	150	170
					m ³ /h	LPM	LPM	LPM	LPM	LPM	LPM	LPM
SCR, SCRN 150-1-1	11	15	18.8	Head (Mtr)	22	20	19	17	15	14	12	9
SCR, SCRN 150-1	15	20	28		33	31	29	26	24	21	20	18
SCR, SCRN 150-2-1	22	30	42		56	52	49	45	41	38	35	30
SCR, SCRN 150-3-2	30	40	56		79	75	70	65	60	55	50	34
SCR, SCRN 150-3	37	50	68		88	95	87	79	75	69	64	58
SCR, SCRN 150-4-1	45	60	83		121	116	109	101	94	86	81	72
SCR, SCRN 150-5-2	55	75	95		145	139	130	121	113	104	97	85
SCR, SCRN 150-6	75	100	130		198	190	178	165	152	142	133	125

- ◆ This performance table is approximate as performance curve.
- ◆ Subject to technical change without notice.

PUMPED FLUIDS

PUMPED FLUIDS

Pressure Boosting pump

Thin, non-explosive fluids, not containing solid particles or fibers. The liquid must not chemically attack the pump materials. When pumping fluids with a density and/or viscosity higher than that of water, use oversized motors, if required. Whether a pump is suitable for a particular liquid depends on a number of factors of which the most important are the chloride content, pH value, temperature and content of chemicals, oils, etc. Please note that aggressive fluids, such as sea water and some acids, may attack or dissolve the protective oxide film of the stainless steel and thus cause corrosion.

The **SCR, SCRI, SCRN** pumps are suitable for the following fluids:

SCR, SCRI

Use SCR, SCRI pumps are suitable for non-corrosive fluids.

Use SCR, SCRI pumps for liquid transfer, circulation and pressure boosting of cold or hot clean water.

SCRN

SCRN pumps are suitable for industrial fluids. Use SCRN pumps in systems where all parts in contact with the liquid must be made of high-grade stainless steel.

List of pumped fluids

A number of typical fluids are listed below. Other pump versions may be applicable, but those stated in the list are considered to be the best choices. The table is intended as a general guide only and cannot replace actual testing of the pumped fluids and pump materials under specific working conditions. However, use the list with some caution.

Factors such as those mentioned below may affect the chemical resistance of a specific pump version:

- Concentration of the pumped liquid
- Liquid temperature
- Pressure
- Take safety precautions when pumping dangerous fluids

PUMPED FLUIDS

Notes

D - Often with additives.

E - The density and/or viscosity differ from that/those of water.

Take this factor into account when calculating motor output and pump performance.

F - Pump selection depends on many factors. Contact Shakti.

H - Risk of crystallization/precipitation in shaft seal.

1 - Highly inflammable liquid.

2 - Combustible liquid.

3 - Insoluble in water.

4 - Low self-ignition point.

PUMPED FLUIDS						
Pumped fluids	Note	Fluid concentration, fluid temperature	SCR, SCRI		SCRN	
Oil-containing water	-	< +100 °C	HQQV	HQQV	-	-
Olive oil	D,E,3	100%, +80	HQQV	HQQV	-	-
Oxalic acid ((COOH) ₂)	H	1%, +20°C	-	-	HQQE	HQQE
Ozone- containing water (O ₃)	-	< +100°C	-	-	HQQE	HQQE
Peanut oil	D,E,3	100%, +80°C	HQQV	HQQV	-	-
Petrol	1,3,4,F	100%, +20°C	HQBv	HQBv	-	-
Phosphoric acid (H ₃ PO ₄)	E	20%, +20°C	-	-	HQQE	HQQE
Propanol (C ₃ H ₇ OH)	1,F	100%, +20°C	HQQE	HQQE	-	-
Propylene glycol (CH ₃ CH(OH)CH ₂ OH)	D,E	100%, +20°C	HQQE	HQQE	-	-
Potassium carbonate (K ₂ CO ₃)	E	50%, +90°C	HQQE	HQQE	-	-
Potassium format (KOOCH)	D,E	20%, +50°C	HQQE	HQQE	-	-
Potassium hydroxide (KOH)	E	30%, +50°C	-	-	HQQE	HQQE
Potassium permanganate (KMnO ₄)	-	20%, +50°C	-	-	HQQE	HQQE
Rape seed oil	D,E,3	100%, +80°C	HQQV	HQQV	-	-
Salicylic acid (C ₆ H ₄ (OH)COOH)	H	0.1%, +20°C	-	-	HQQE	HQQE
Silicon oil	E,3	100%	HQQV	HQQV	-	-
Sodium bicarbonate (NaHCO ₃)	E	10%, +60°C	-	-	HQQE	HQQE
Sodium chloride (NaCl)	D,E	30%, < +5	HQQE	HQQE	-	-
Sodium hydroxide (NaOH)	E	20%, +50°C	-	-	HQQE	HQQE
Sodium hypochlorite (NaOCL)	F	0.1%, +20°C	-	-	HQQV	HQQV
Sodium nitrate (NaNO ₃)	E	10%, +60°C	-	-	HQQE	HQQE
Sodium phosphate (Na ₃ PO ₄)	E,H	10%, +60°C	-	-	HQQE	HQQE
Sodium sulfate (Na ₂ SO ₄)	E,H	10%, +60°C	-	-	HQQE	HQQE
Softened water	-	< +120	-	-	HQQE	HQQE
Soya oil	D,E,3	100%, +80°C	HQQV	HQQV	-	-
Sulfuric acid (H ₂ SO ₄)	F	1%, +20°C	-	-	HQQV	HQQV
Sulfurous acid (H ₂ SO ₃)	-	1%, +20°C	-	-	HQQE	HQQE
Unsalted swimming pool water	-	Approx 2 ppm free chlorine (Cl ₂)	HQQE	HQQE	-	-

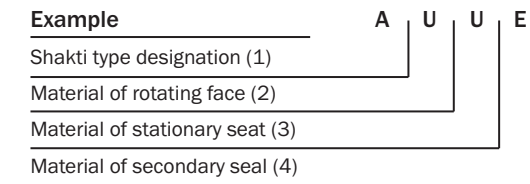
PUMPED FLUIDS

PUMPED FLUIDS							
Pumped fluid	Note	Fluid concentration, fluid temperature	SCR, SCRI		SCRN		
Acetic acid (CH ₃ COOH)	-	5%, +20°C	-	-	HQQE	HQQE	HQQE
Acetone (CH ₃ COOH ₃)	1,F	100%, +20°C	-	-	HQQE	HQQE	HQQE
Alkaline degreasing agent	D,F	-	HQQE	HQQE	-	-	-
Ammonium bicarbonate (NH ₄ HCO ₃)	E	20%, +30°C	-	-	HQQE	HQQE	HQQE
Ammonium hydroxide (NH ₄ OH)		20%, +40°C	HQQE	HQQE	-	-	-
Aviation fuel	1,3,4,F	100%, +20°C	HQBV	HQBV	-	-	-
Benzoic acid (C ₆ H ₅ COOH)	H	0.5%, +20°C	-	-	HQQE	HQQE	HQQE
Boiler water		< +120 °C	HQQE	HQQE	-	-	-
	F	+120°C-+180°C					
Calcareous water		< +90°C	HQQE	HQQE	-	-	-
Calcium acetate (as coolant with inhibitor) (Ca(CH ₃ COO) ₂)	D,E	30%, +50°C	HQQE	HQQE	-	-	-
Calcium hydroxide (Ca(OH) ₂)	E	Saturated Solution +50°C	HQQE	HQQE	-	-	-
Chloride-containing water	F	< +30%, Max 500 ppm	-	-	HQQE	HQQE	HQQE
Chromic acid (H ₂ CrO ₄)	H	1%, +20°C	-	-	HQQE	HQQE	HQQE
Citric acid (HOC(CH ₂ CO ₂ H) ₂ COOH)	H	5%, +40°C	-	-	HQQE	HQQE	HQQE
Completely desalinated water		< +120 °C	-	-	HQQE	HQQE	HQQE
Condensate		< +90°C	HQQE	HQQE	-	-	-
Copper sulfate (CuSO ₄)	E	10%, +50°C	-	-	HQQE	HQQE	HQQE
Corn oil	D,E,3	100%, +80°C	HQQE	HQQE	-	-	-
Diesel oil	2,3,4,F	100%, +20°C	HQQE	HQQE	-	-	-
Domestic hot water		< +120 °C	HQQE	HQQE	-	-	-
Ethanol (ethyl alcohol) (C ₂ H ₅ OH)	1,F	100%, +20°C	HQQE	HQQE	-	-	-
Ethylene glycol (HOCH ₂ CH ₂ OH)	D,E	50%, +50°C	HQQE	HQQE	-	-	-
Formic acid (HCOOH)		5%, +20°C	-	-	HQQE	HQQE	HQQE
Glycerin (glycerol) (OHCH ₂ CH(OH)CH ₂ OH)	D,E	50%, +50°C	HQQE	HQQE	-	-	-
Hydraulic oil (mineral)	E,2,3	100%, +100°C	HQQV	HQQV	-	-	-
Hydraulic oil (synthetic)	E,2,3	100%, +100°C	HQQV	HQQV	-	-	-
Isopropyl alcohol (CH ₃ CHOHCH ₃)	1,F	100%, +20°C	HQQE	HQQE	-	-	-
Lectric acid (CH ₃ CH(OH)COOH)	E,H	10%, +20°C	-	-	HQQE	HQQE	HQQE
Linoleic acid (C ₁₇ H ₃₁ COOH)	E,3	100%, +20°C	HQQV	HQQV	-	-	-
Menthol (methyl alcohol) (CH ₃ OH)	1,F	100%, +20°C	HQQE	HQQE	-	-	-
Motor oil	E,2,3	100%, +80°C	HQQV	HQQV	-	-	-
Naphthalene (C ₁₀ H ₈)	E,H	100%, +80°C	HQQV	HQQV	-	-	-
Nitric acid (HNO ₃)	F	1%, +20°C	-	-	HQQE	HQQE	HQQE

SHAFT SEAL

SHAFT SEAL

The variant code of mechanical shaft seals is indicated the last position of the type designation, the stamping code consists of four letters.



Position 1 codes

Position 1 of the mechanical shaft seal variant code shows the Shakti type designation as under
The following codes can be shown in position 1:

Code	Description
A	O-ring seal with fixed seal driver
B	Bellows seal, rubber
C	O-ring seal with spring as seal driver
D	O-ring seal, balanced
E	O-ring seal, type A, cartridge
F	Bellows seal, type B, cartridge
G	Bellows seal, type B, with reduced seal faces
H	O-ring seal, type D, cartridge
K	Bellows seal, metal, type M, cartridge
M	Bellows seal, metal
O	Double seal, back-to-back
P	Double seal, tandem
Q	Seal with flush, quench seal
R	O-ring seal, type A, with reduced seal faces
S	Stuffing box
T	Floating gap seal
X	Miscellaneous

Positions 2 and 3 codes

Positions 2 and 3 of the mechanical shaft seal variant code show materials of rotating face and stationary seat.

The following codes can be shown in positions 2 and 3:

Code	Material	
A		Carbon, metal-impregnated
B		Carbon, resin-impregnated
H (B/U)	Synthetic carbon	Carbon with embedded tungsten carbide (hybrid)
C		Other carbons
D		Steel
N	Metals	Bronze
S		Cast chromium steel
U		Tungsten carbide, chromium-nickelmolybdenum-bonded
Q	Carbides	Q1S: Dense, sintered, fine-grained silicon carbide (SiC)
		Q1P: Porous, sintered, fine-grained silicon carbide (SiC)
		Q1G: Graphite-containing, sintered silicon carbide (SiC)
V	Metal oxides	Ceramic (aluminium oxide)

Position 4 codes

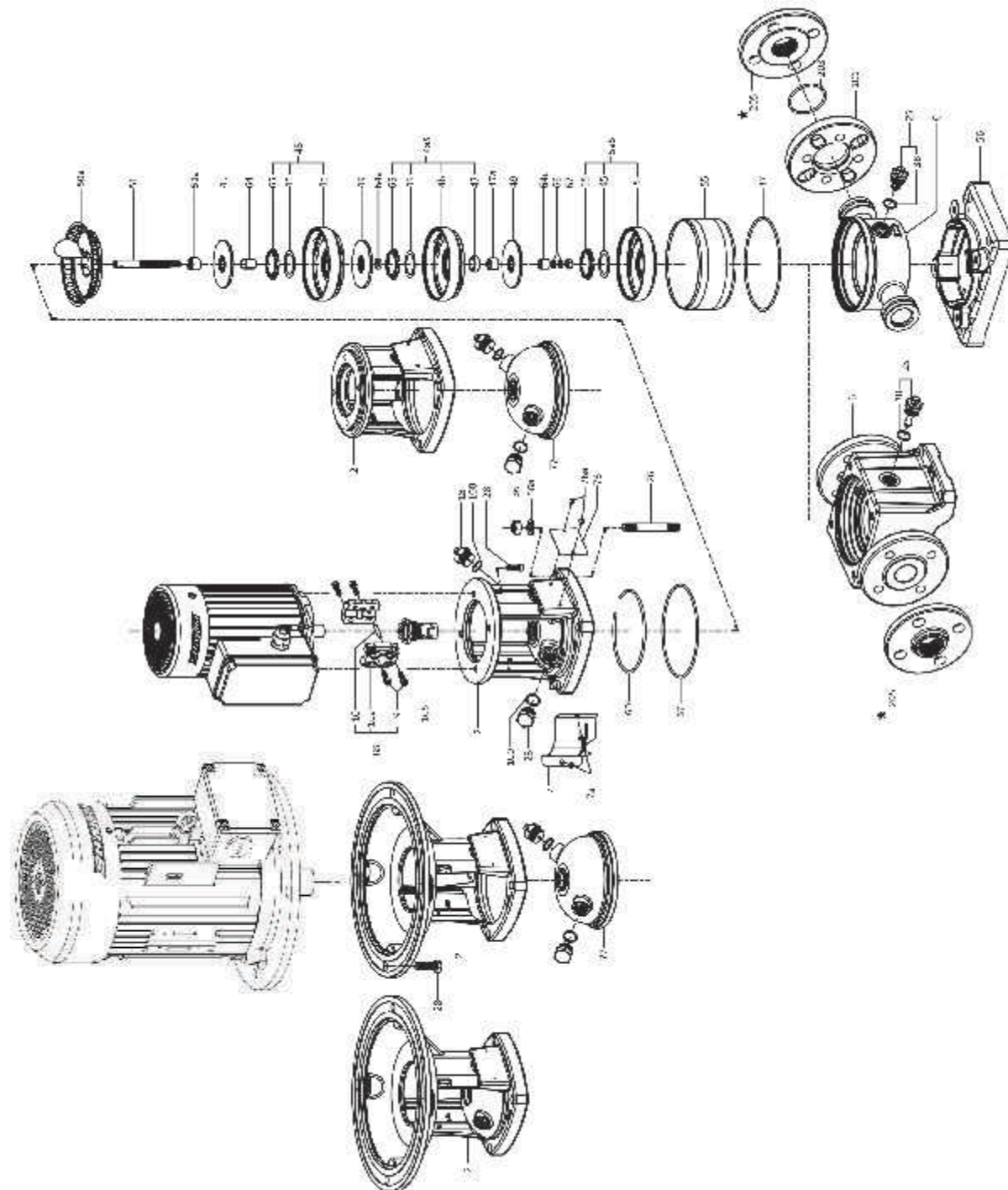
Position 4 of the mechanical shaft seal variant code shows the secondary seal material.

The following codes can be shown in position 4:

Code	Material
E	EPDM Temp. resistance -40°C to +140°C
F	FXM (Fluoraz®)
V	FKM (Viton®) Temp. resistance -20°C to +200°C
K	FFKM (Kalrez®)
M	PTFE-sheathed O-ring
P	NBR (nitrile rubber)
S	Q (silicon rubber)
T	PTFE (Teflon®) Temp. resistance -100°C to +280°C
X	Other elastomers

EXPLODED VIEW

SCR, SCRI, SCRN 1s, 1, 3, 5



★ OPTIONAL DIN FLANGE PROVIDED AS PER CUSTOMER REQUIREMENT

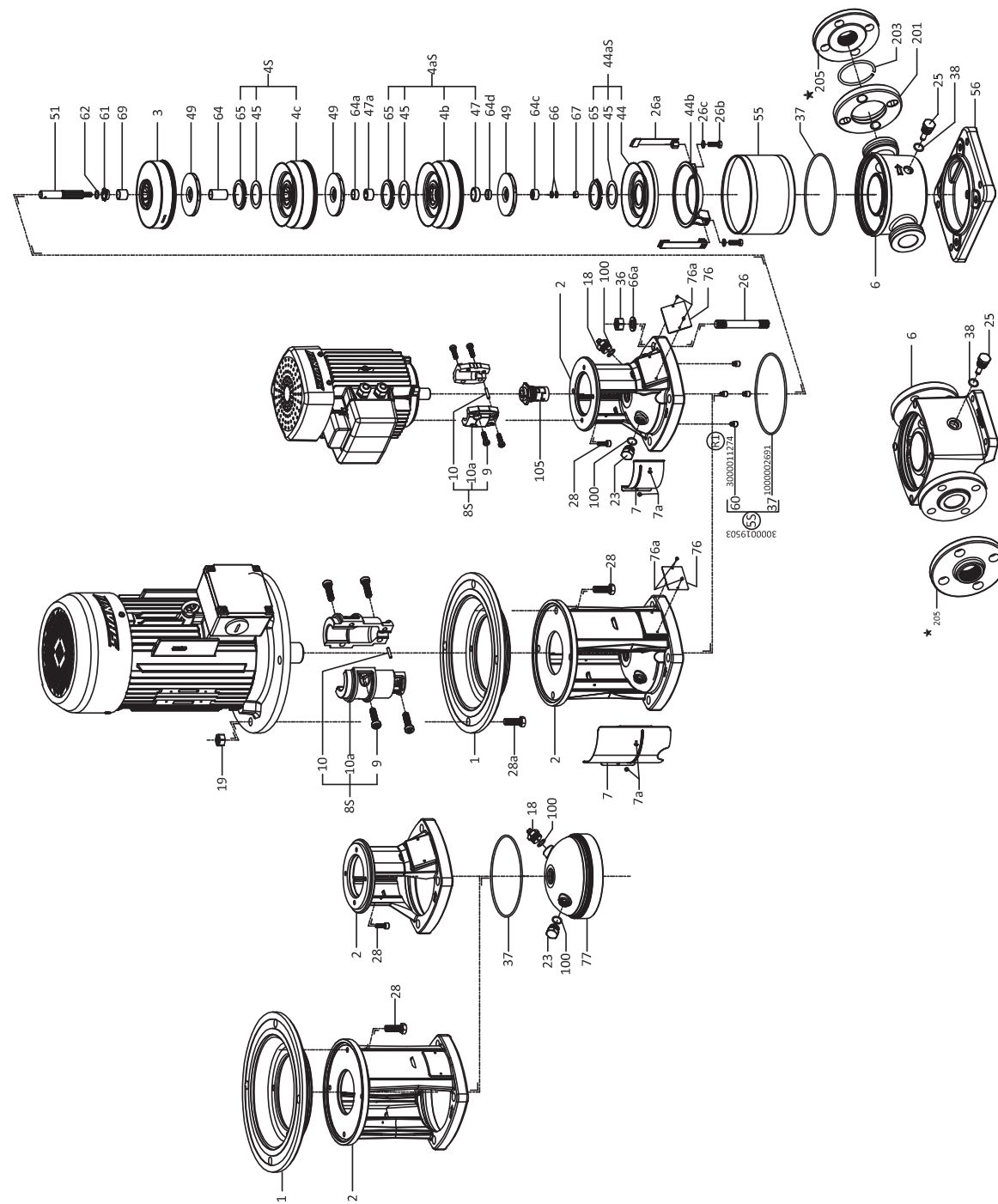
PART LIST

POS NO.	DESCRIPTION
MIDDLE CHAMBER ASSEMBLY	
4b	DIFFUSER CUP (MIDDLE)
45	NECKRING
47	RADIAL BUSH
65	NECK RING RETAINER
TOP CHAMBER ASSEMBLY	
4C	DIFFUSER CUP (INTER)
45	NECKRING
65	NECK RING RETAINER
BOTTOM CHAMBER ASSEMBLY	
5	DIFFUSER CUP (BOTTOM)
45	NECKRING
65	NECK RING RETAINER
COUPLING ASSEMBLY	
9	COUPLING BOLT
10a	COUPLING
10	SHAFT PIN
2	PUMP HEAD
6	PUMP BASE
56	PUMP BASE PLATE
7a	COUPLING GUARD SCREW
7	COUPLING GUARD
18	AIR VENT ASSEMBLY
100	O-RING
23	FILLING SCREW
100	O-RING
25	DRAIN PLUG ASSEMBLY
38	O-RING
26	STAY BOLT

POS NO.	DESCRIPTION
26	STAY BOLT
36	STAY BOLT NUT M 12
66a	STAY BOLT WASHER
28	BOLT
37	O-RING
47a	RADIAL SLEEVE
49	IMPELLER
50a	DIFFUSER ASSEMBLY (PUMP HEAD)
51a	SHAFT CLAMP BUSH
51	PUMP SHAFT
64c	SPLINED CLAMP
66	LOCK WASHER
67	LOCK MUT M8
55	OUTER SLEEVE
60	CORROGATED SPRING
64a	SPACING PIPE (4.5 mm)
64	SPACING PIPE (17.5 mm)
76a	NAME PLATE SCREW
76	NAME PLATE
77	PUMP HEAD COVER
105	SHAFT SEAL
201	FLANGE
203	FLANGE CIRCLIP
205	DIN FLANGE

EXPLODED VIEW

SCR, SCRI, SCRN 10, 15, 20



★ OPTIONAL DIN FLANGE PROVIDED AS PER CUSTOMER REQUIREMENT

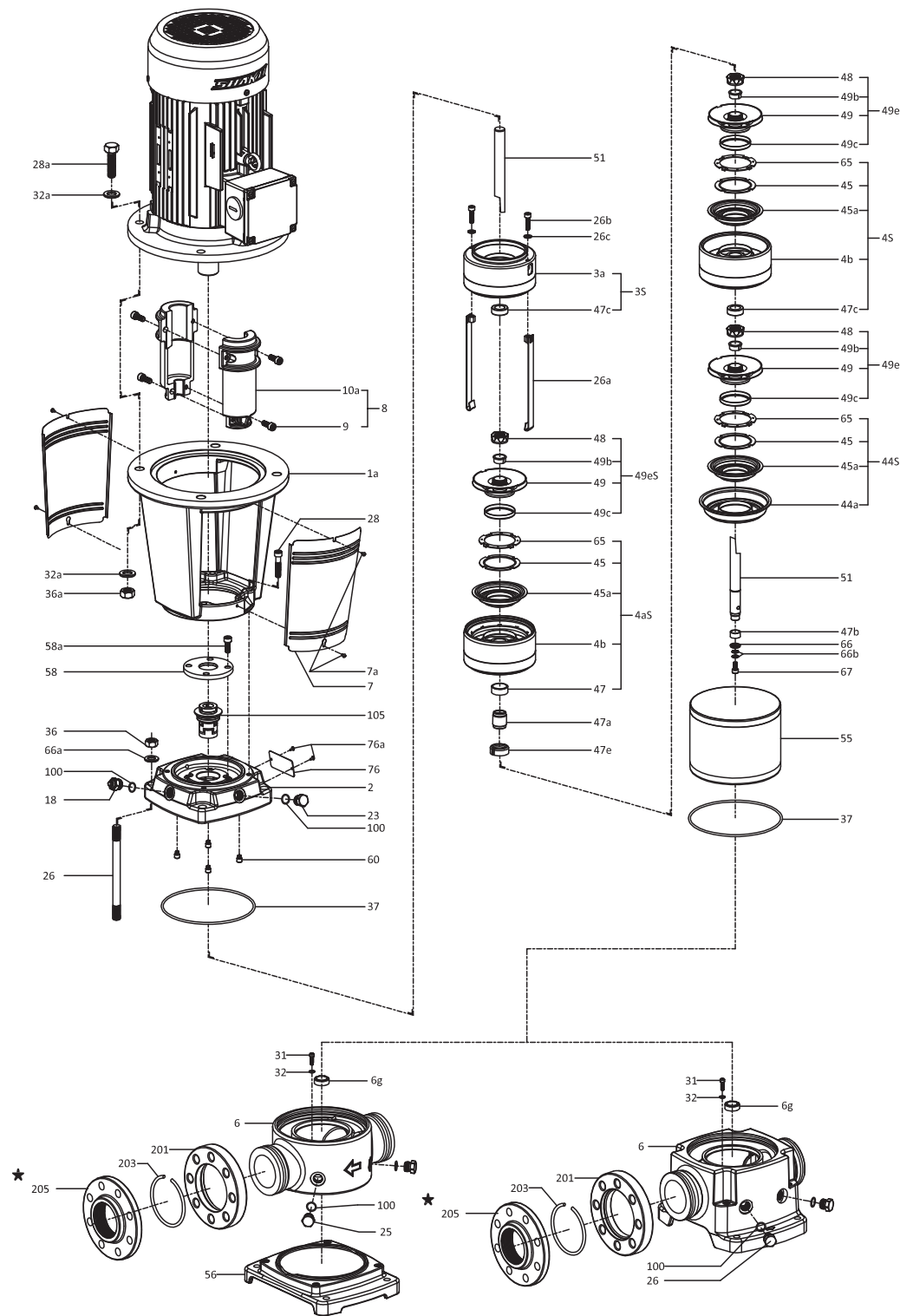
PART LIST

POS NO.	DESCRIPTION
1	PUMP HEAD BASE (5.5 kW ABOVE)
2	PUMP HEAD
3	TOP CHAMBER
MIDDLE CHAMBER ASSEMBLY	
4aS	4b CHAMBER WITH VANE
	45 NECKRING
	65 NECK RING RETAINER
	47 RADIAL BUSH
INTER CHAMBER ASSEMBLY	
4S	4c CHAMBER WITH VANE
	45 NECKRING
	65 NECK RING RETAINER
BOTTOM CHAMBER ASSEMBLY	
44aS	44 BOTTOM CHAMBER
	45 NECKRING
	65 NECK RING RETAINER
COUPLING ASSEMBLY	
8S	9 COUPLING BOLT
	10a COUPLING
	10 SHAFT PIN
6	PUMP BASE
56	PUMP BASE PLATE
7a	COUPLING GUARD SCREW
7	COUPLING GUARD
18	AIR VENT ASSEMBLY
100	O-RING
19	NUT
23	FILLING SCREW
100	O-RING
25	DRAIN PLUG ASSEMBLY
38	O-RING
26c	CLAMPING STRIP WASHER
26b	CLAMPING STRIP BOLT
26a	CLAMPING STRIP
26	STAY BOLT

POS NO.	DESCRIPTION
36	STAY BOLT NUT M 16
66a	STAY BOLT WASHER M16
28a	BOLT
28	BOLT
37	O-RING
44b	INLET CHAMBER STACK
47a	RADIAL SLEEVE
49	IMPELLER
51	PUMP SHAFT
61	SEAL DRIVER
62	STOP RING
64c	SPLINED CLAMP
66	LOCK WASHER
67	LOCK NUT M8
55	OUTER SLEEVE
60	RUBBER PAD
64d	SPACING PIPE (7.4 mm)
64a	SPACING PIPE (10.0 mm)
64	SPACING PIPE (31.4 mm)
69	SPACING PIPE (20.5 mm)
76a	NAME PLATE SCREW
76	NAME PLATE
77	PUMP HEAD COVER
105	SHAFT SEAL
201	FLANGE
203	FLANGE CIRCLIP
205	DIN FLANGE

EXPLODED VIEW

SCR, SCR N 32, 45, 64, 90



★ OPTIONAL DIN FLANGE PROVIDED AS PER CUSTOMER REQUIREMENT

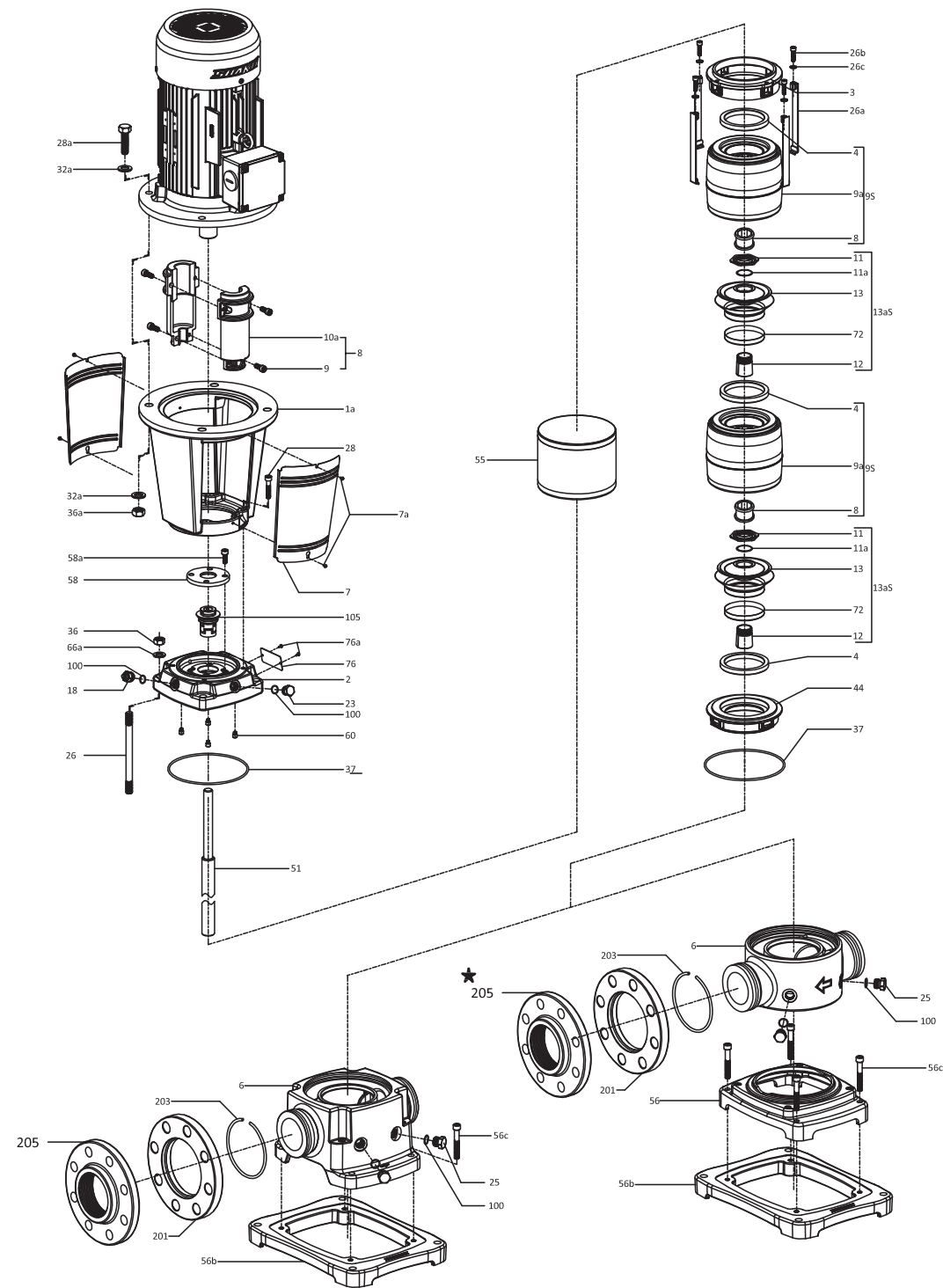
PART LIST

POS NO.	DESCRIPTION
1a	MOTOR STOOL
2	PUMP HEAD
TOP CHAMBER ASSEMBLY	
3S	TOP CHAMBER
47c	CHAMBER BUSH
MIDDLE CHAMBER ASSEMBLY	
4aS	CHAMBER WITH VANE
47	BEARING RING
45a	NECKRING CUP
45	NECKRING
65	NECK RING RETAINER
INTER CHAMBER ASSEMBLY	
4S	CHAMBER WITH VANE
47c	CHAMBER BUSH
45a	NECKRING CUP
45	NECKRING
65	NECK RING RETAINER
INLET PART ASSEMBLY	
44S	INLET PART
45a	NECKRING CUP
45	NECKRING
65	NECK RING RETAINER
IMPELLER COMPLETE	
49eS	IMPELLER
49c	IMPELLER WEARING RING
48	SPLIT CONE NUT
49b	SPLIT CONE SLEEVE
COUPLING ASSEMBLY	
8S	COUPLING BOLT
10a	COUPLING
6	PUMP BASE
6g	BEARING RING
32	PUMP BASE WASHER
32a	WASHER
56	PUMP BASE PLATE
7a	COUPLING GUARD SCREW
7	COUPLING GUARD
9	COUPLING BOLT
10a	COUPLING

POS NO.	DESCRIPTION
18	AIR VENT ASSEMBLY
100	O-RING
23	FILLING SCREW
100	O-RING
25	DRAIN PLUG ASSEMBLY
38	O-RING
26c	CLAMPING STRIP WASHER
26b	CLAMPING STRIP BOLT
26a	CLAMPING STRIP
26	STAY BOLT
36	STAY BOLT NUT M 16
66a	STAY BOLT WASHER
28a	BOLT
28	BOLT
31	ALLEN BOLT M6
36a	NUT M16
37	O-RING
47e	DRIVER CUP
47a	DRIVER
51	PUMP SHAFT
47b	PUMP BASE BUSH
66	TC RING
66b	LOCK WASHER
67	LOCK NUT M8
55	OUTER SLEEVE
58a	ALLEN BOLT M10
58	SEAL CARRIER
60	RUBBER PAD
76a	NAME PLATE SCREW
76	NAME PLATE
105	SHAFT SEAL
201	FLANGE
203	FLANGE CIRCLIP
205	DIN FLANGE

EXPLODED VIEW

SCR, SCR N 120 & 150



*OPTIONAL DIN FLANGE PROVIDED AS PER CUSTOMER REQUIREMENT

PART LIST

POS NO.	DESCRIPTION
1a	MOTOR STOOL
2	PUMP HEAD
3	DISCHARGE PART
6	PUMP BASE
7a	COUPLING GUARD SCREW
7	COUPLING GUARD
COUPLING ASSEMBLY	
8S	9 COUPLING BOLT
	10a COUPLING
BOWL ASSEMBLY	
9S	9a BOWL ASSEMBLY
	4 NECKRING
	6 BOWL BUSH
IMPELLER COMPLETE	
13aS	13 IMPELLER
	72 WEARING RING
	12 COLLETE
	11a COLLETE WASHER
	11 COLLETE NUT
18	AIR VENT ASSEMBLY
100	O-RING
23	FILLING SCREW
100	O-RING
25	DRAIN PLUG ASSEMBLY
100	O-RING
26c	CLAMPING STRIP WASHER
26b	CLAMPING STRIP BOLT

POS NO.	DESCRIPTION
26a	CLAMPING STRIP
26	STAY BOLT
36	STAY BOLT NUT M 16
66a	STAY BOLT WASHER
36a	NUT M16
28a	BOLT
28	BOLT
32a	WASHER
37	O-RING
44	INLET PART
51	PUMP SHAFT
55	OUTER SLEEVE
56c	ALLEN BOLT M12X70
56b	BOTTOM BASE PLATE
56	BASE PLATE
58a	ALLEN BOLT M10
58	SEAL CARRIER
60	RUBBER PAD
76a	NAME PLATE SCREW
76	NAME PLATE
105	SHAFT SEAL
201	FLANGE
203	FLANGE CIRCLIP
205	DIN FLANGE

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