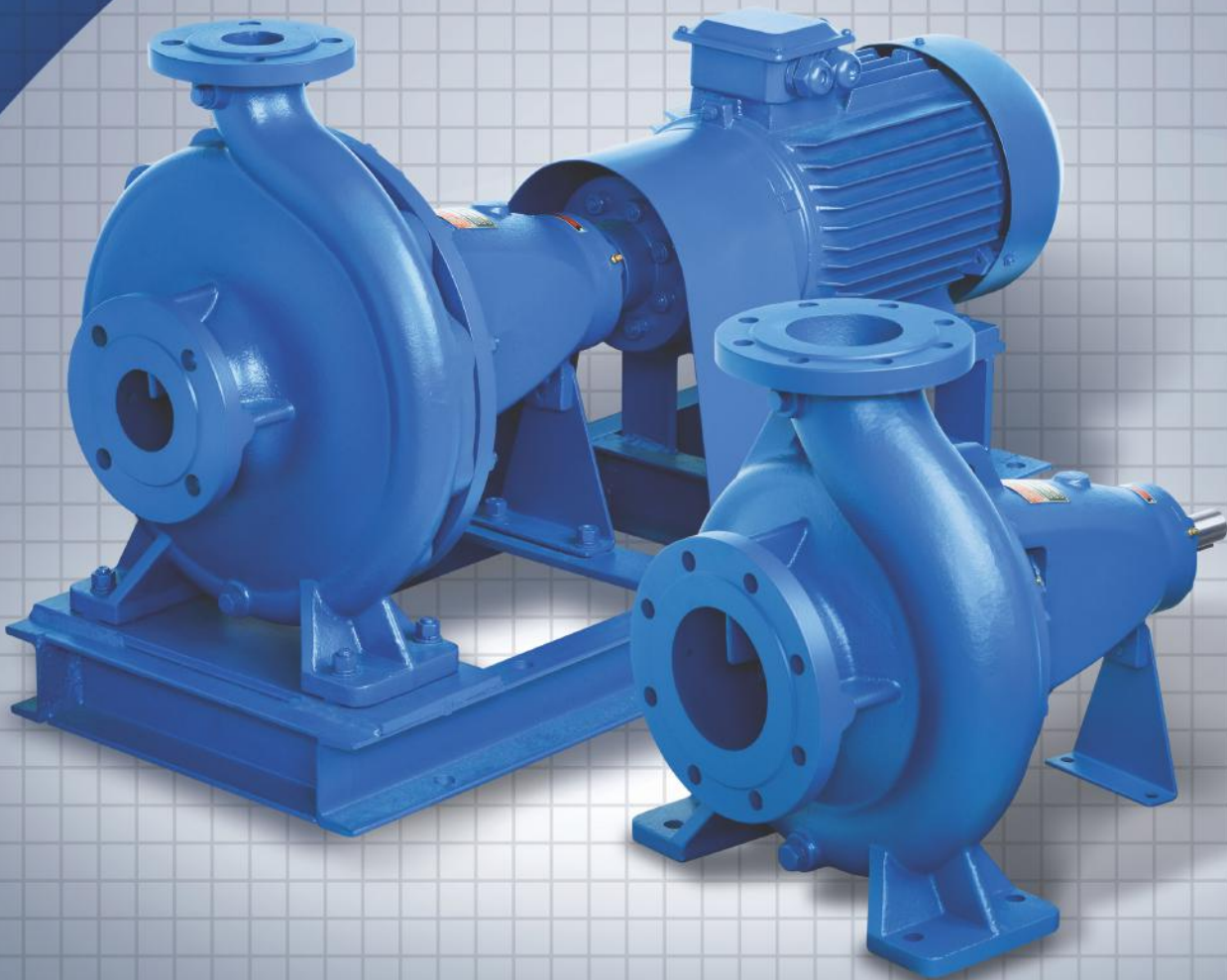




**SUPERPOWER PUMP**

**END SUCTION  
CENTRIFUGAL PUMP**  
SPE SERIES: 1450 & 2900 RPM

**Pumps  
Catalogue**



**40<sup>th</sup>**  
*Anniversary*



**Superpower Pumping Engineering**, established in 1977, engages mainly in water pumping design, manufacturing, installation and maintenance businesses. Having existed in the industry for over 40 years, Superpower is known to be the first company in Hong Kong that connected water pump designing, manufacturing, production, installation, maintenance and 24 hours emergency services.

Aiming to pursue high quality products and services to its valuable customers, and with the support from its parent company, Superpower invests substantial resources in product design, research and enhancement, human resources and business development. Such move will help satisfying customers' needs and ensuring the operation of water supply runs smoothly and will not be affected by external interruption.

Its continued dedication to the industry has enabled Superpower to earn accolades from the trade. In 2001, the award of ISO 9001:2000 certification by SGS, United Kingdom further proved its commitment leads to winning international acclaims and building a solid reputation.

Water pumps is the core product of the Company's manufacturing arm. Today, Superpower's different materials and functional pumps produced for the residential and commercial buildings are ranked as the most popular items in the market. The name of Superpower represents quality water pump and ranks the best selling items in the market.

Today, Superpower employs more than 80 staff overseeing water supply system for over 1000 properties in Hong Kong to provide better after sale services, including luxurious residences, large-scale residential estates, shopping malls, offices, hotels, schools, as well as property management companies. Superpower Pumps installed in Hong Kong including the Benchmark properties such as International Commerce Centre, The Leighton Hill, Manhattan Hill, Dynasty Heights and Grand Promenade.

Apart from the above prestigious buildings, Superpower also serves for some of the prominent property developer as its customers, such as Sun Hung Kai Properties, Henderson Land Development and Sino Land etc.



International Commerce Centre



# SUPERPOWER PUMP

## INTRODUCTION

SPE End Suction Centrifugal Pump complies fully to the European Standard BS EN733 / DIN24255 in performance and dimensions. They are used for pumping clean water or liquids similar to water, achieving wide application in plants, mines, city water supplies, air-conditioning coolers, fire-fighting system and irrigation.

Pumps of the same model have different performance levels according to the diameter of impeller after trimming. The whole series has four size of shaft and five of bearing housing. As long as their bearing housings are of the same size, different pumps can interchange spare parts such as shaft, shaft sleeve, shaft seal, impeller nut, etc.

SPE End Suction Centrifugal Pump is also very easy to be installed and maintained. Back pull-out design and driven through flexible coupling allow removing spare parts from the pump without dismantling pumps casing and motor.

## DIRECTION OF ROTATION

Clockwise viewing from the drive side

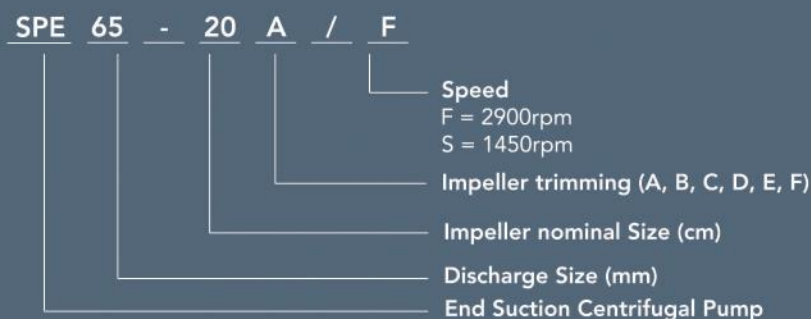
## MATERIAL

Casing	-	Cast Iron, Ductile Iron, Stainless Steel
Impeller	-	Bronze, Cast Iron, Stainless Steel
Shaft	-	Stainless Steel 420, Stainless Steel 304, Stainless Steel 316
Shaft Seal	-	Mechanical Seal / Gland Packing

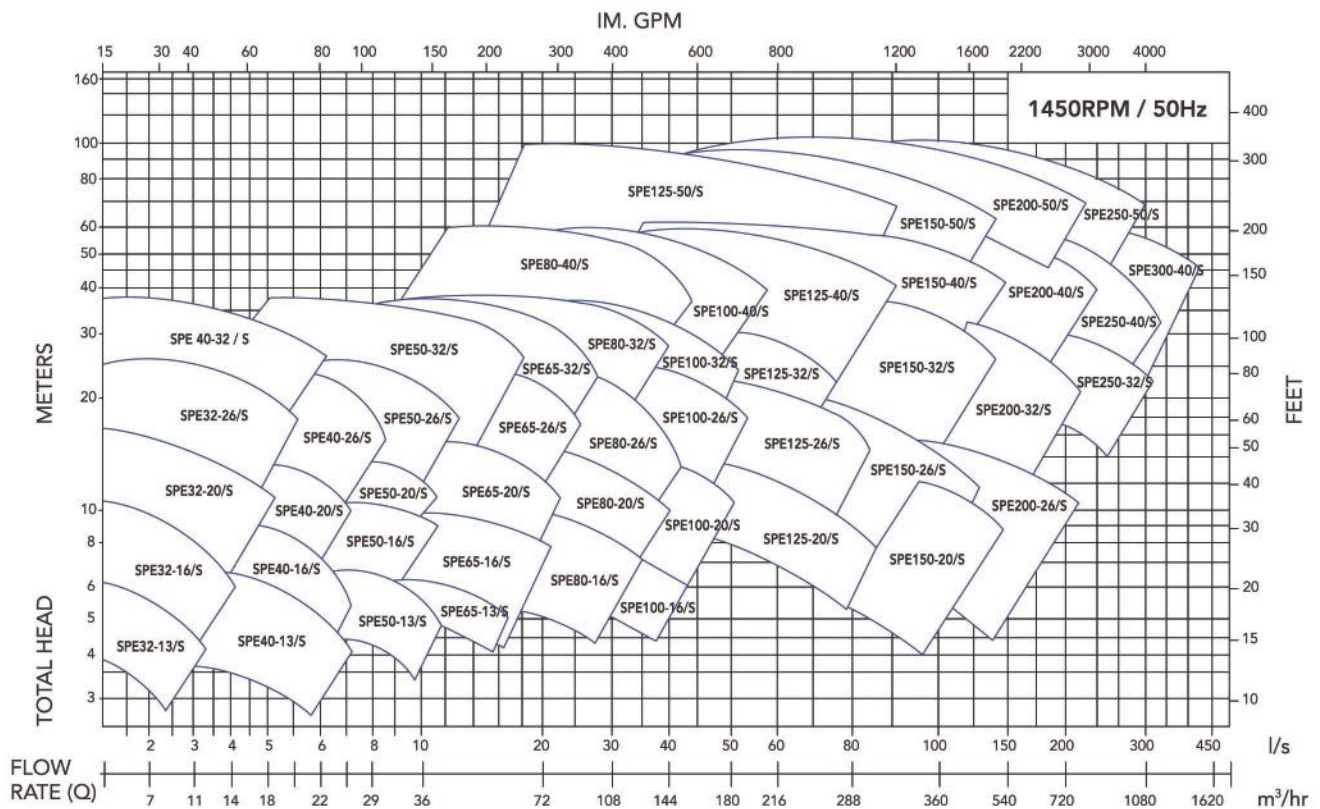
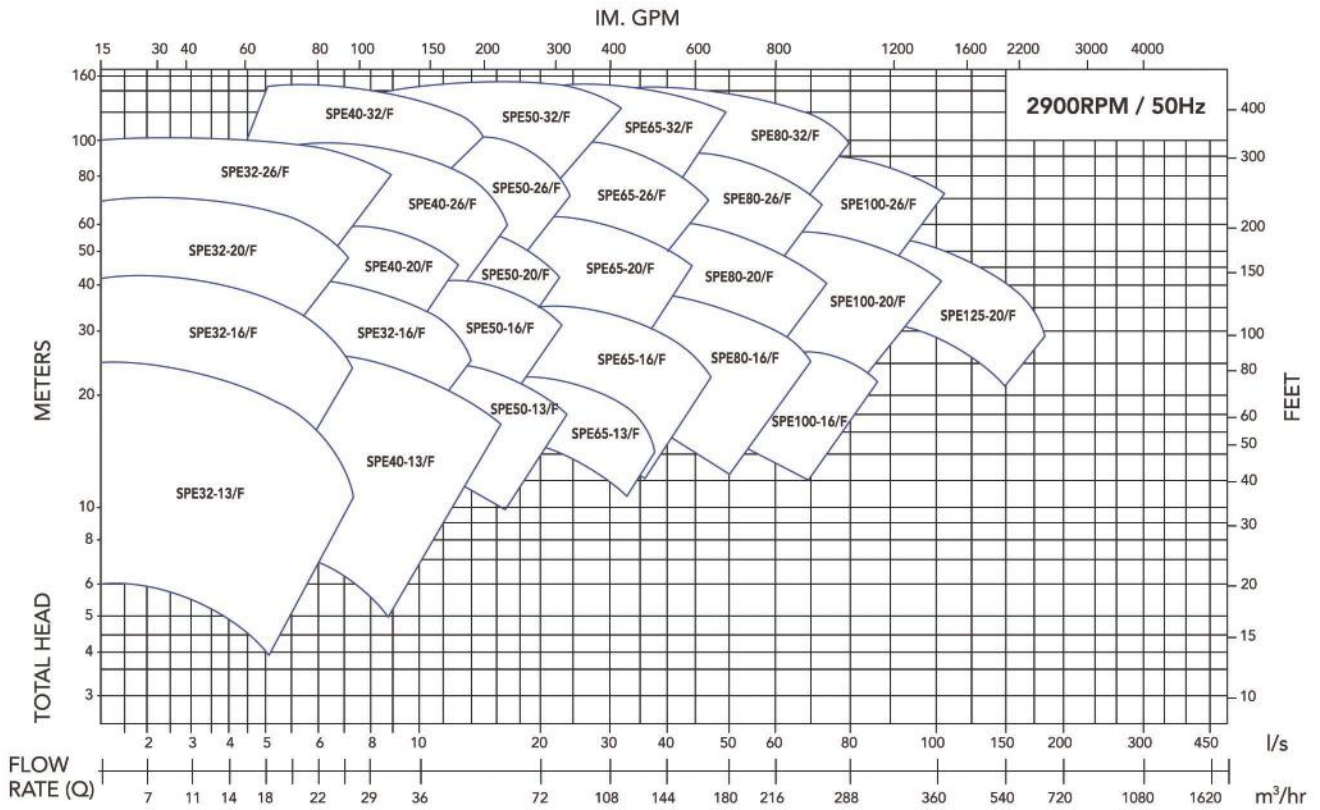
## OPERATING CONDITIONS

Flow Rate (Q)	-	2 ~ 1100 m <sup>3</sup> /hr
Head (H)	-	2 ~ 150 m
Speed	-	1450 or 2900 rpm (50Hz)
Temperature	-	-10 °C ~ 105 °C
Working Pressure	-	10 Bar / 16 Bar

## DEFINITION OF MODEL

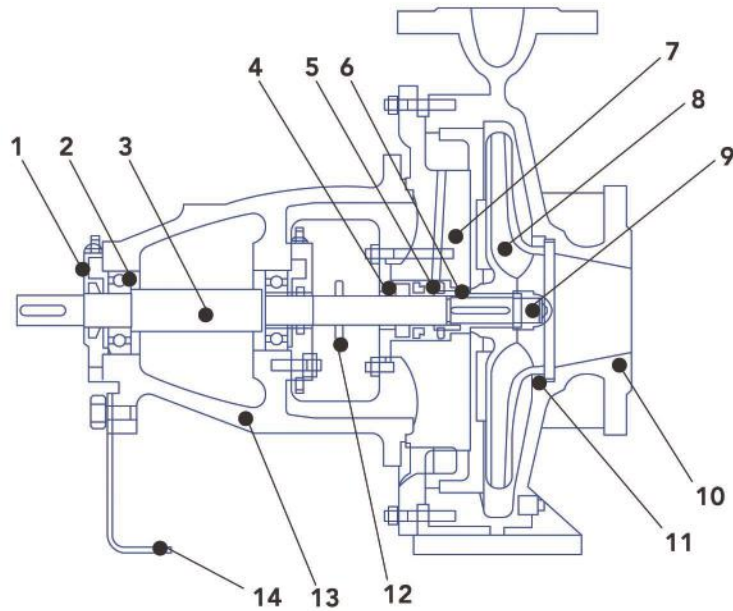
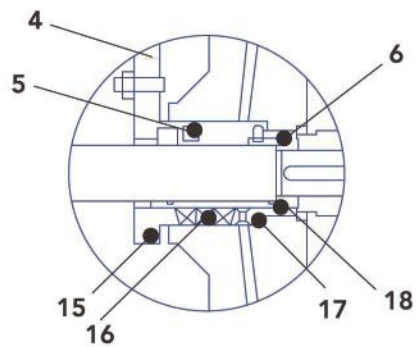


**SELECTION CHARTS**



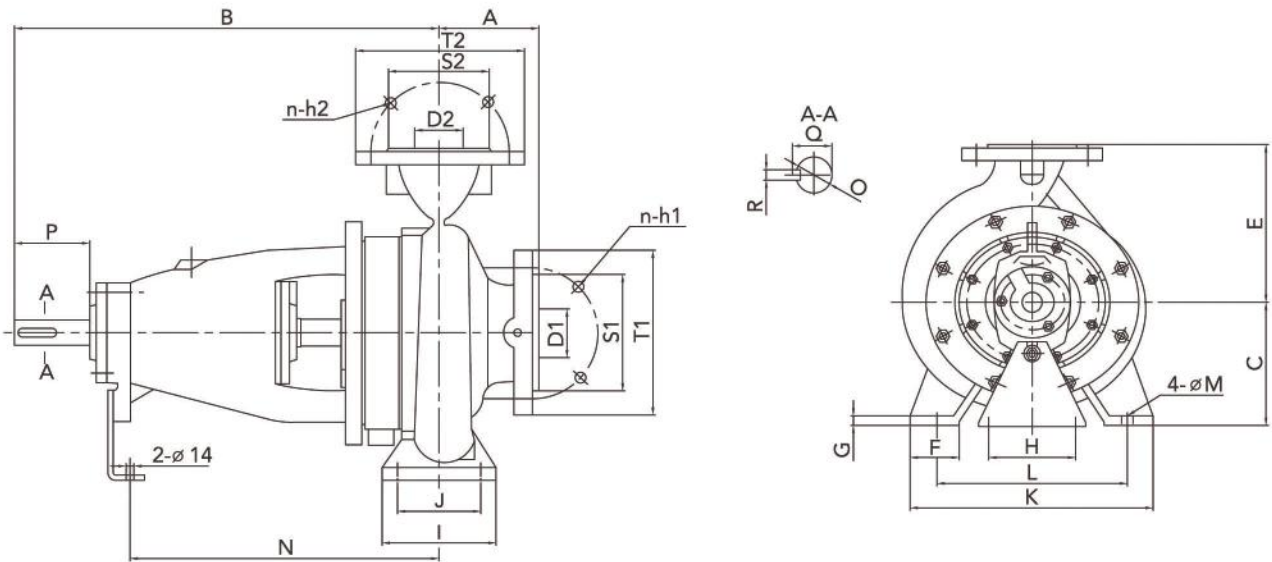


## STRUCTURE DRAWING

Mechanical Seal Type (Standard)Gland Packing Type (Optional)

Parts Number	Parts Name	Parts Number	Parts Name
1	Bearing Cover	10	Casing
2	Bearing	11	Wear Ring
3	Shaft	12	Slinger
4	Seal Cover	13	Bearing Housing
5	Mechanical Seal	14	Steel Stay
6	Shaft Spacer	15	Gland Cover
7	Casing Cover	16	Gland Packing
8	Impeller	17	Seal Cage
9	Impeller Nut	18	Packing Sleeve

## DIMENSIONAL SKETCHES



Flange standard Dimensions (ISO7005.2 DIN2501 PN16)

D1 / D2	32	40	50	65	80	100	125	150	200	250	300
T1 / T2	140	150	165	185	200	220	250	285	340	405	460
S1 / S2	100	110	125	145	160	180	210	240	295	355	410
n-h1 / n-h2	4-Ø18	4-Ø18	4-Ø18	4-Ø18	8-Ø18	8-Ø18	8-Ø18	8-Ø22	12-Ø22	12-Ø26	12-Ø26



## DIMENSIONAL SKETCHES

No	Model	D2	D1	A	B	C	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	SPE 32-13	32	50	80	360	112	140	50	14	100	100	70	190	140	14	267	24	50	27	8
2	SPE 32-16	32	50	80	360	132	160	50	14	100	100	70	240	190	14	267	24	50	27	8
3	SPE 32-20	32	50	80	360	160	180	50	14	110	100	70	240	190	14	267	24	50	27	8
4	SPE 32-26	32	50	100	360	180	225	65	14	110	125	95	320	250	14	267	24	50	27	8
5	SPE 40-13	40	65	80	360	112	140	50	14	100	100	70	210	160	14	267	24	50	27	8
6	SPE 40-16	40	65	80	360	132	160	50	14	100	100	70	240	190	14	267	24	50	27	8
7	SPE 40-20	40	65	100	360	160	180	50	14	110	100	70	265	212	14	267	24	50	27	8
8	SPE 40-26	40	65	100	360	180	225	65	14	110	125	95	320	250	14	267	24	50	27	8
9	SPE 40-32	40	65	125	470	200	250	65	14	110	125	95	345	280	14	342	32	80	35	10
10	SPE 50-13	50	65	100	360	132	160	50	14	100	100	70	240	190	14	267	24	50	27	8
11	SPE 50-16	50	65	100	360	160	180	50	14	110	100	70	265	212	14	267	24	50	27	8
12	SPE 50-20	50	65	100	360	160	200	50	14	110	100	70	265	212	14	267	24	50	27	8
13	SPE 50-26	50	65	100	360	180	225	65	14	110	125	95	320	250	14	267	24	50	27	8
14	SPE 50-32	50	65	125	470	225	280	65	18	110	125	95	345	280	14	342	32	80	35	10
15	SPE 65-13	65	80	100	360	160	180	65	14	110	125	95	280	212	14	267	24	50	27	8
16	SPE 65-16	65	80	100	360	160	200	65	14	110	125	95	280	212	14	267	24	50	27	8
17	SPE 65-20	65	80	100	360	180	225	65	14	110	125	95	320	250	14	267	24	50	27	8
18	SPE 65-26	65	80	100	470	200	250	80	15	110	160	120	360	280	18	342	32	80	35	10
19	SPE 65-32	65	80	125	470	225	280	80	15	110	160	120	400	315	18	342	32	80	35	10
20	SPE 80-16	80	100	125	360	180	225	65	14	110	125	95	320	250	14	267	24	50	27	8
21	SPE 80-20	80	100	125	470	180	250	65	15	110	125	95	345	280	14	342	32	80	35	10
22	SPE 80-26	80	100	125	470	200	280	80	15	110	160	120	400	315	18	342	32	80	35	10
23	SPE 80-32	80	100	125	470	250	315	80	16	110	160	120	400	315	18	342	32	80	35	10
24	SPE 80-40	80	100	125	530	280	355	83	18	110	160	120	440	340	18	370	42	110	45	12
25	SPE 100-16	100	125	125	470	200	250	80	15	110	160	120	360	280	18	342	32	80	35	10
26	SPE 100-20	100	125	125	470	200	280	80	16	110	160	120	360	280	18	342	32	80	35	10
27	SPE 100-26	100	125	140	470	225	280	80	16	110	160	120	400	315	18	342	32	80	35	10
28	SPE 100-32	100	125	140	470	250	315	80	16	110	160	120	400	315	18	342	32	80	35	10
29	SPE 100-40	100	125	140	530	280	355	100	20	110	200	150	500	400	23	370	42	110	45	12
30	SPE 125-20	125	150	140	470	250	315	80	16	110	160	120	400	315	18	342	32	80	35	10
31	SPE 125-26	125	150	140	470	250	355	80	16	110	160	120	400	315	18	342	32	80	35	10
32	SPE 125-32	125	150	140	530	280	355	100	18	110	200	150	500	400	23	370	42	110	45	12
33	SPE 125-40	125	150	140	530	315	400	100	18	110	200	150	500	400	23	370	42	110	45	12
34	SPE 150-20	150	200	160	500	280	400	100	18	110	200	150	400	315	23	342	32	80	35	10
35	SPE 150-26	150	200	160	530	250	355	100	18	110	200	150	450	350	23	370	42	110	45	12
36	SPE 150-32	150	200	160	530	280	400	100	18	110	200	150	550	450	23	370	42	110	45	12
37	SPE 150-40	150	200	160	530	315	450	100	18	110	200	150	550	450	23	370	42	110	45	12
38	SPE 200-26	200	250	180	555	315	450	100	20	110	200	150	550	450	28	392	42	110	45	12
39	SPE 200-32	200	250	180	670	315	480	120	20	110	220	170	600	480	28	505	48	110	51	14
40	SPE 200-40	200	250	180	670	335	480	120	20	110	220	170	600	480	28	505	48	110	51	14
41	SPE 250-32	250	300	220	691	355	520	150	26	110	250	200	660	510	28	525	48	110	51	14
42	SPE 250-40	250	300	220	682	400	560	150	26	110	250	200	660	510	28	516	48	110	51	14



**SPV SERIES**



**SPLV SERIES**



**SPU, SPB, SPC, SPD SERIES**



**SPE, SPI, SPS SERIES**



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ISO 9001



ISO 14001



OHSAS 18001

While the production techniques continue to improve, designs and materials used for the products may thus be varied from time to time. No further notice will be provided.



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