

# SUPS 4



## Unterwasserpumpen

### Einsatzgebiet

- > Wasserversorgung
- > Beregnung
- > Springbrunnen-Anlagen
- > Wärmepumpen
- > Regenwassernutzung

### Ausführung

#### Drehstrom:

Pumpe kpl. mit Drehstrommotor 3~ 400 V, 50 Hz, 2800 min<sup>-1</sup>, inklusive Rückschlagventil, ohne Kabelverbinder.

#### Wechselstrom:

Pumpe kpl. mit Wechselstrommotor 1~ 230 V, 50 Hz, 2800 min<sup>-1</sup>, mit Anlaufgerät, inklusive Motorschutzschalter und Rückschlagventil, ohne Kabelverbinder.

### Antrieb

Schutzart: ..... IP 68  
Isolationsklasse: ..... B  
Spannung: ..... 1~ 230 V ± 10 %  
mit Anlaufgerät im ISO-Gehäuse  
3~ 400 V ± 10 %  
Einschaltart: ..... Direktanlauf  
Drehzahl: ..... 2800 min<sup>-1</sup>  
Frequenz: ..... 50 Hz

### Sonderausführungen

- > Sonderwerkstoffe 1.4401
- > höhere Medientemperaturen

### Technische Daten

Fördermenge: ..... Q bis max. 18 m<sup>3</sup>/h  
Förderhöhe: ..... H bis max. 415 mWs  
Medientemperatur: ..... t bis max. 30 °C  
Sandanteil: ..... bis max. 150 g/m<sup>3</sup>

### Fördermedium

Reines, kaltes Wasser.

### Werkstoffe

Pumpengehäuse: ..... Edelstahl 1.4301  
Stufen/Laufräder: ..... Edelstahl 1.4301  
Welle: ..... Edelstahl 1.4301  
Kupplung: ..... Edelstahl 1.4301  
Spaltring: ..... PTFE  
Lager/Zwischenlager: ..... NBR  
Sieb: ..... Edelstahl 1.4301

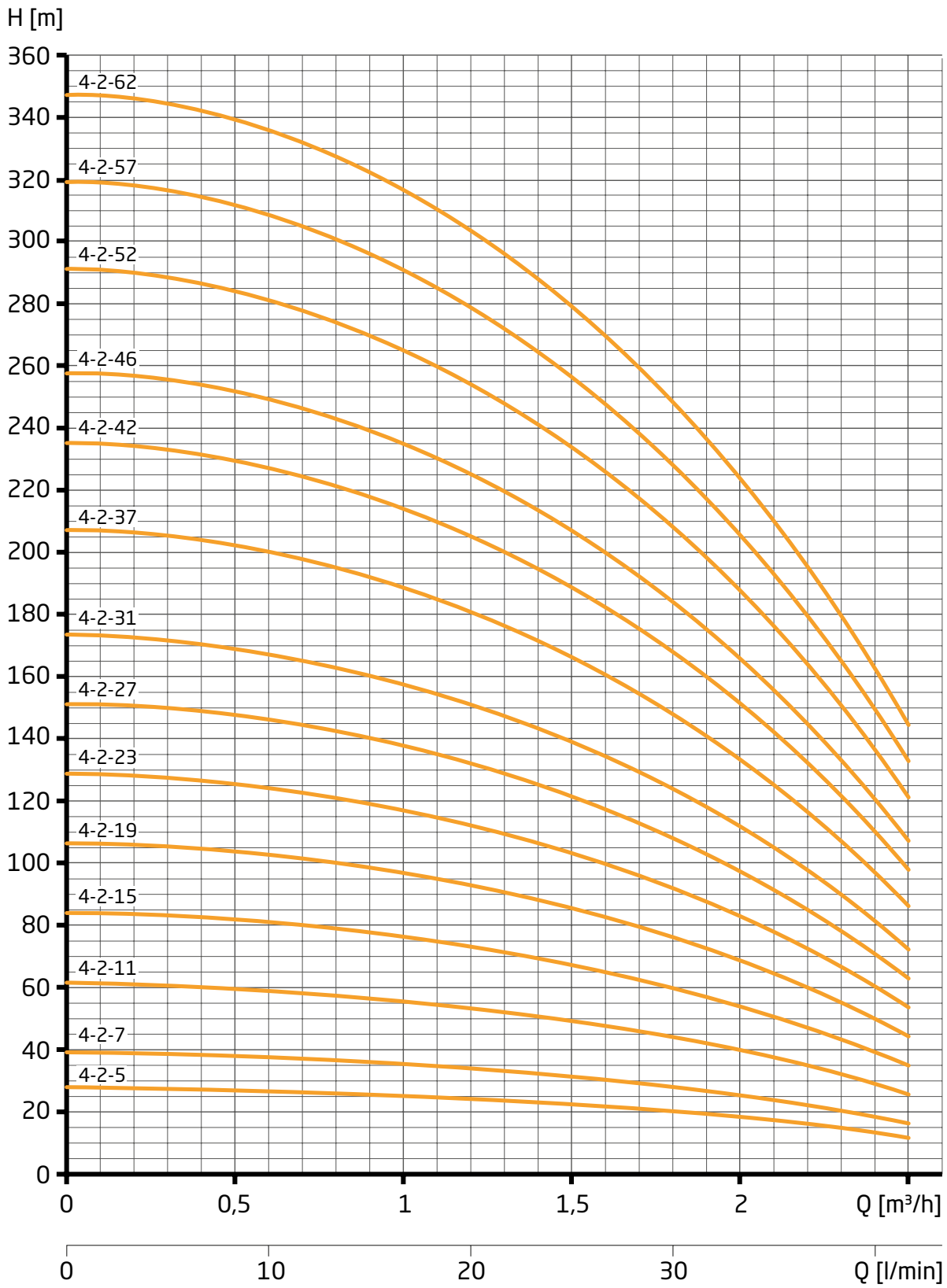
### Typenschlüssel

#### SUPS 4-3-12

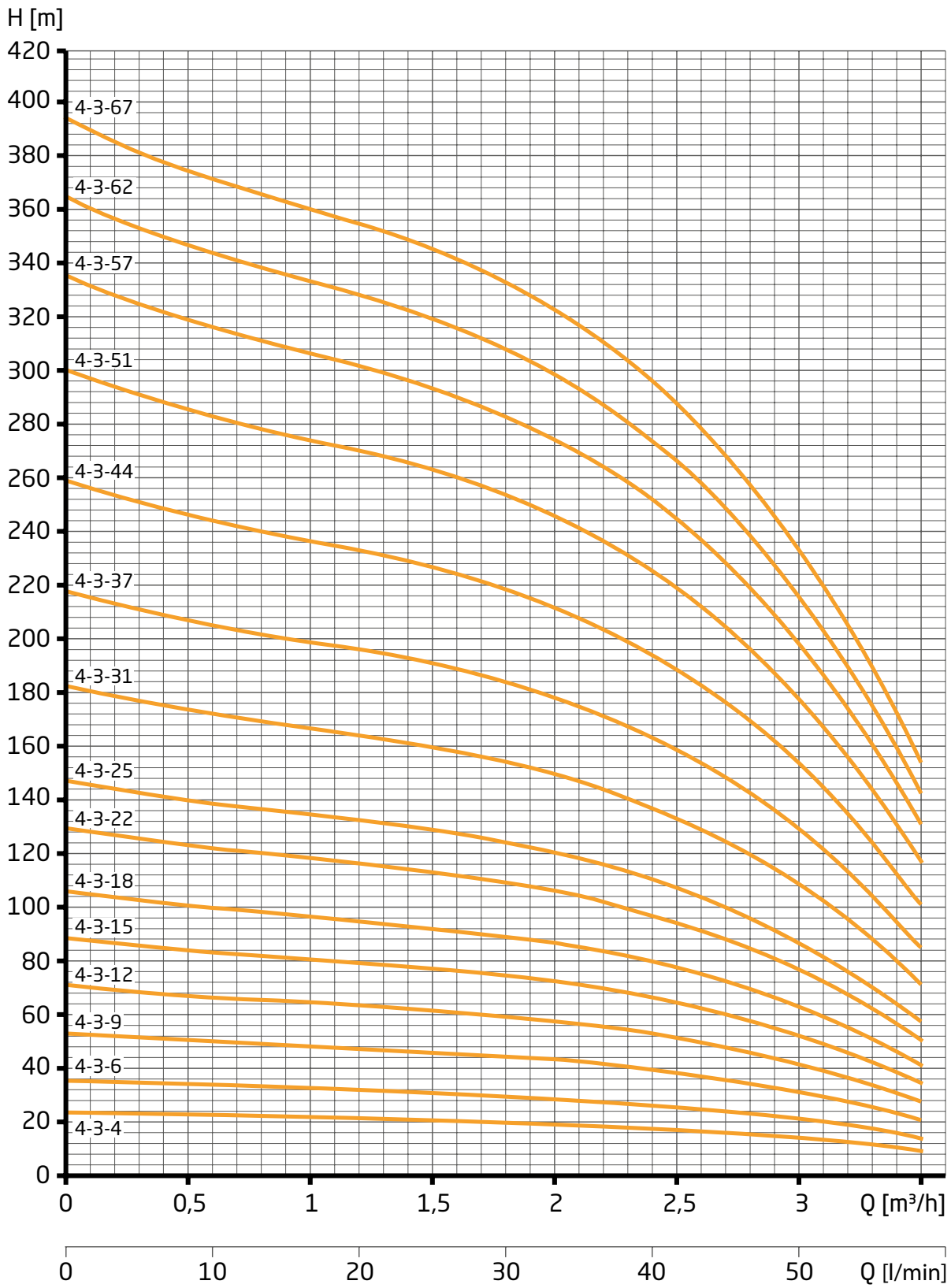
SUP: ..... SPECK Unterwasserpumpe  
S: ..... Edelstahlausführung  
4: ..... Pumpentyp 4"  
3: ..... Pumpengröße  
12: ..... Stufenzahl



### Kennlinien

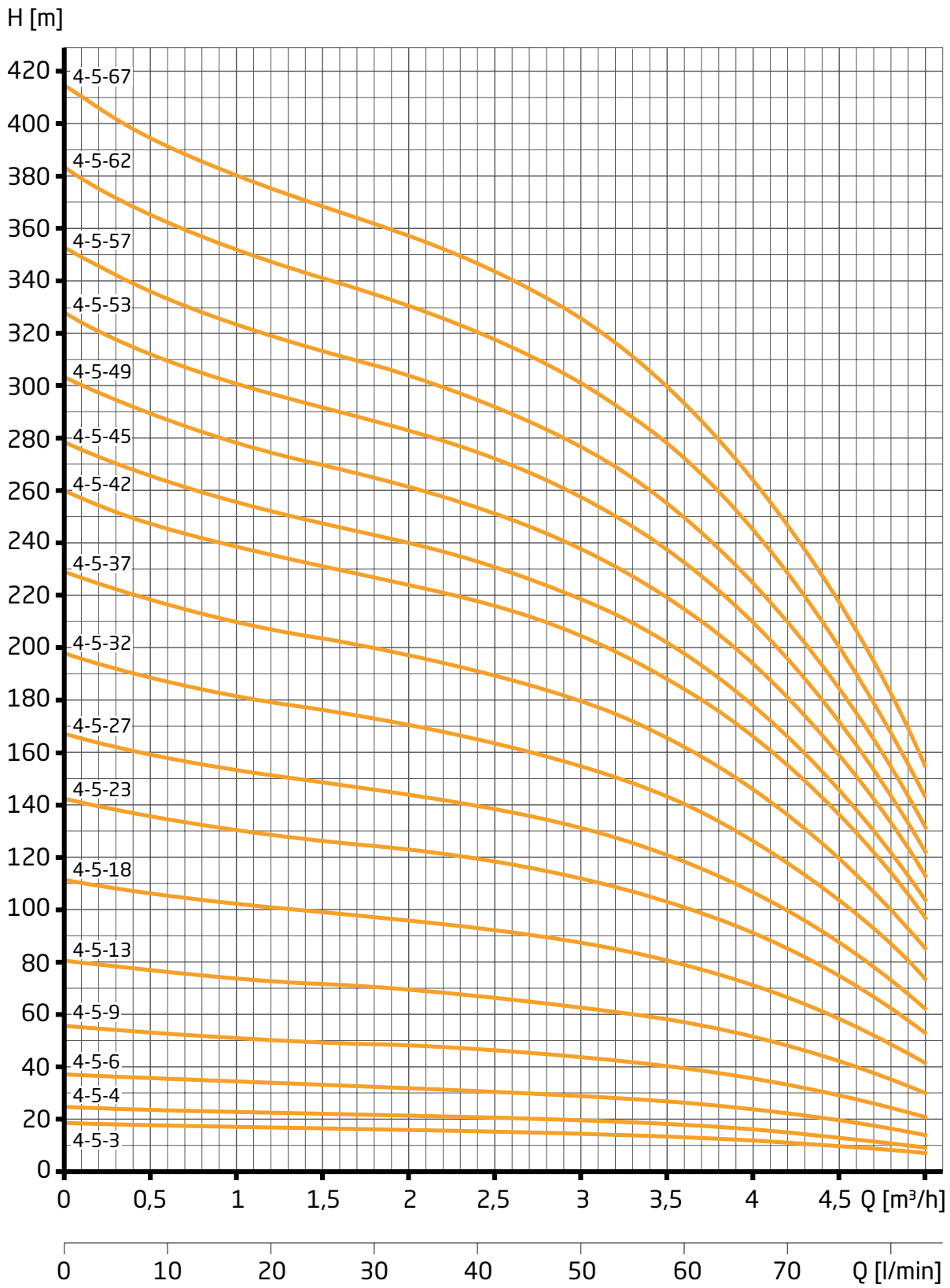


## Kennlinien

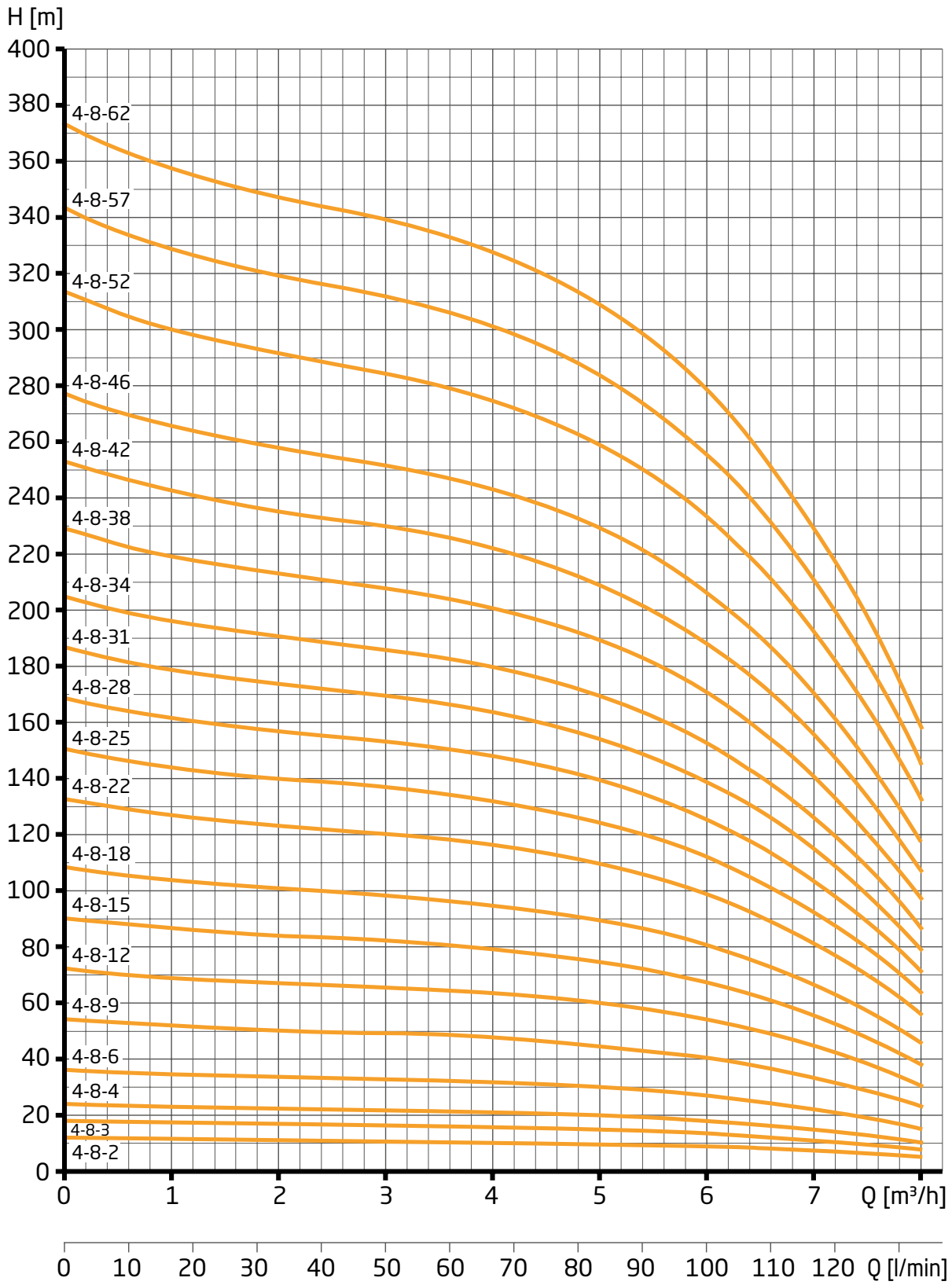




### Kennlinien

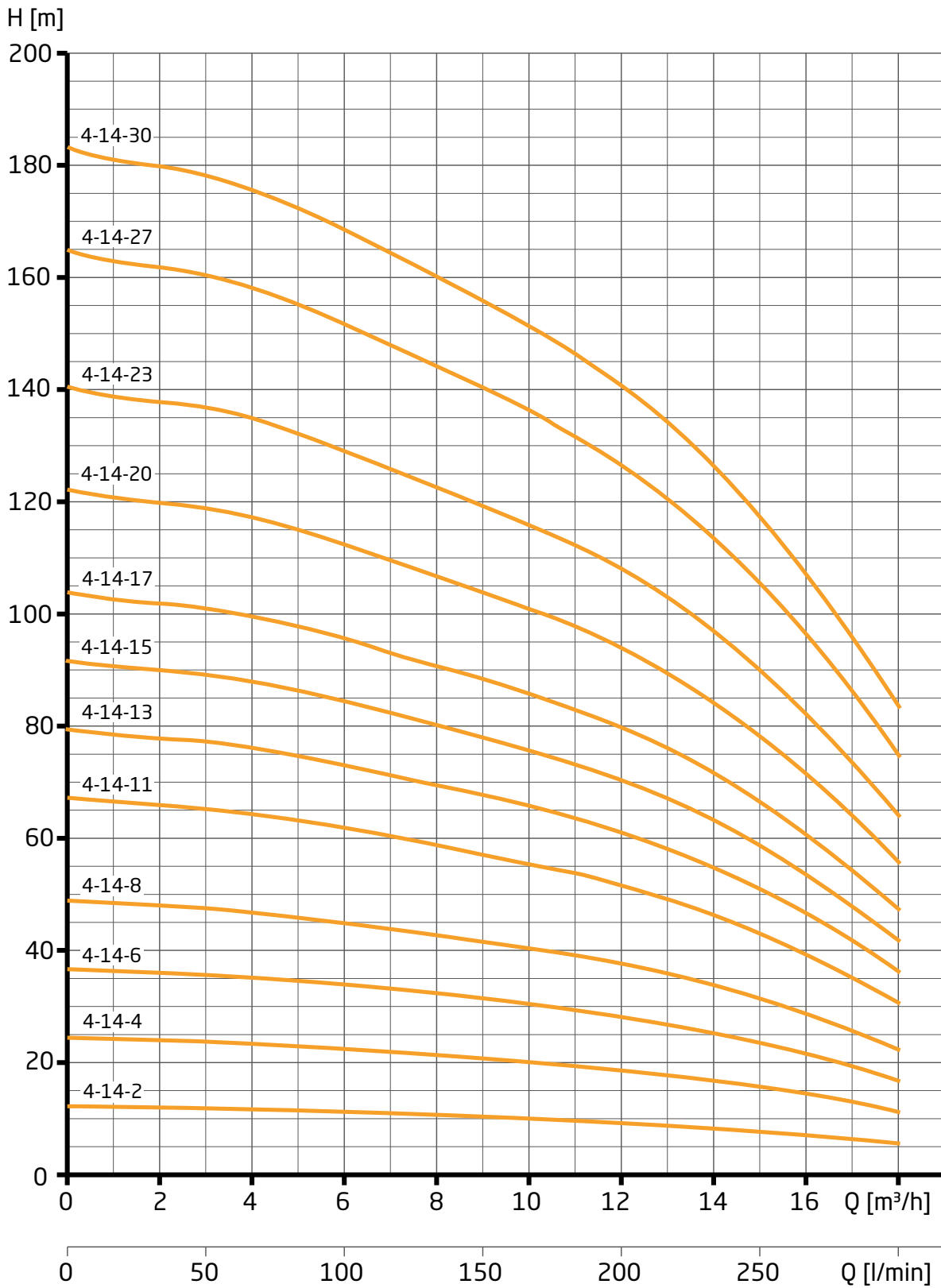


## Kennlinien





## Kennlinien



## Technische Daten

Typ	Rohranschluss (Rp)	Leistungsabgabe P <sub>2</sub> (kW)	Nennstrom (A) 3 x 400 V	Nennstrom (A) 1 x 230 V	Gewicht 3~/1~ (kg)
SUPS 4-2-5	1 ½	0,25	0,68	2,40	8,80/9,80
SUPS 4-2-7	1 ½	0,37	1,10	3,30	9,80/11,40
SUPS 4-2-11	1 ½	0,55	1,60	4,30	11,90/12,70
SUPS 4-2-15	1 ½	0,75	2,00	5,70	14,20/16,20
SUPS 4-2-19	1 ½	1,10	2,80	8,40	16,80/18,70
SUPS 4-2-23	1 ½	1,10	2,80	8,40	18,10/20,00
SUPS 4-2-27	1 ½	1,50	3,90	10,70	20,50/22,80
SUPS 4-2-31	1 ½	1,50	3,90	10,70	21,80/24,10
SUPS 4-2-37	1 ½	2,20	5,50	14,70	25,30/30,90
SUPS 4-2-42	1 ½	2,20	5,50	14,70	27,00/32,60
SUPS 4-2-46	1 ½	2,20	5,50	14,70	28,30/33,90
SUPS 4-2-52	1 ½	3,00	7,50	-	32,80/-
SUPS 4-2-57	1 ½	3,00	7,50	-	34,50/-
SUPS 4-2-62	1 ½	3,00	7,50	-	36,20/-
SUPS 4-3-4	1 ½	0,25	0,68	2,40	8,70/9,70
SUPS 4-3-6	1 ½	0,37	1,10	3,30	9,40/11,00
SUPS 4-3-9	1 ½	0,55	1,60	4,30	11,20/13,20
SUPS 4-3-12	1 ½	0,75	2,00	5,70	13,10/15,10
SUPS 4-3-15	1 ½	1,10	2,80	8,40	15,40/17,30
SUPS 4-3-18	1 ½	1,10	2,80	8,40	16,30/18,20
SUPS 4-3-22	1 ½	1,50	3,90	10,70	18,70/21,00
SUPS 4-3-25	1 ½	1,50	3,90	10,70	19,70/22,00
SUPS 4-3-31	1 ½	2,20	5,50	14,70	23,10/28,70
SUPS 4-3-37	1 ½	2,20	5,50	14,70	25,10/30,70
SUPS 4-3-44	1 ½	3,00	7,50	-	29,90/-
SUPS 4-3-51	1 ½	3,00	7,50	-	32,20/-
SUPS 4-3-57	1 ½	3,70	9,00	-	39,70/-
SUPS 4-3-62	1 ½	3,70	9,00	-	41,30/-
SUPS 4-3-67	1 ½	4,00	9,90	-	44,20/-
SUPS 4-5-3	1 ½	0,25	0,68	2,40	8,40/9,40
SUPS 4-5-4	1 ½	0,37	1,10	3,30	8,70/10,30
SUPS 4-5-6	1 ½	0,55	1,60	4,30	10,20/12,20
SUPS 4-5-9	1 ½	0,75	2,00	5,70	12,10/14,10
SUPS 4-5-13	1 ½	1,10	2,80	8,40	14,70/16,60
SUPS 4-5-18	1 ½	1,50	3,90	10,70	17,30/19,60
SUPS 4-5-23	1 ½	2,20	5,50	14,70	20,50/26,10
SUPS 4-5-27	1 ½	2,20	5,50	14,70	21,80/27,40
SUPS 4-5-32	1 ½	3,00	7,50	-	26,00/-
SUPS 4-5-37	1 ½	3,00	7,50	-	27,60/-
SUPS 4-5-42	1 ½	3,70	9,00	-	34,70/-
SUPS 4-5-45	1 ½	3,70	9,00	-	35,70/-
SUPS 4-5-49	1 ½	4,00	9,90	-	37,90/-
SUPS 4-5-53	1 ½	5,50	12,60	-	45,90/-
SUPS 4-5-57	1 ½	5,50	12,60	-	47,20/-
SUPS 4-5-62	1 ½	5,50	12,60	-	48,80/-
SUPS 4-5-67	1 ½	5,50	12,60	-	50,50/-



## Technische Daten

Typ	Rohranschluss (Rp)	Leistungsabgabe P <sub>2</sub> (kW)	Nennstrom (A) 3 x 400 V	Nennstrom (A) 1 x 230 V	Gewicht 3~/1~ (kg)
SUPS 4-8-2	2	0,25	0,68	2,40	8,10/9,10
SUPS 4-8-3	2	0,37	1,10	3,30	8,50/10,10
SUPS 4-8-4	2	0,55	1,60	4,30	9,60/11,60
SUPS 4-8-6	2	0,75	2,00	5,70	11,20/13,20
SUPS 4-8-9	2	1,10	2,80	8,40	13,50/15,40
SUPS 4-8-12	2	1,50	3,90	10,70	15,60/17,90
SUPS 4-8-15	2	2,20	5,50	14,70	18,10/23,70
SUPS 4-8-18	2	2,20	5,50	14,70	19,10/24,70
SUPS 4-8-22	2	3,00	7,50	-	23,00/-
SUPS 4-8-25	2	3,00	7,50	-	24,10/-
SUPS 4-8-28	2	3,70	9,00	-	30,60/-
SUPS 4-8-31	2	3,70	9,00	-	31,60/-
SUPS 4-8-34	2	4,00	9,90	-	33,60/-
SUPS 4-8-38	2	5,50	12,60	-	41,50/-
SUPS 4-8-42	2	5,50	12,60	-	42,90/-
SUPS 4-8-46	2	5,50	12,60	-	44,30/-
SUPS 4-8-52	2	7,50	17,10	-	50,40/-
SUPS 4-8-57	2	7,50	17,10	-	52,10/-
SUPS 4-8-62	2	7,50	17,10	-	53,80/-
SUPS 4-14-2	2	0,55	1,60	-	13,10/-
SUPS 4-14-4	2	1,10	2,80	-	17,50/-
SUPS 4-14-6	2	1,50	3,90	-	20,50/-
SUPS 4-14-8	2	2,20	5,50	-	23,70/-
SUPS 4-14-11	2	3,00	7,50	-	28,90/-
SUPS 4-14-13	2	3,00	7,50	-	30,90/-
SUPS 4-14-15	2	3,70	9,00	-	36,80/-
SUPS 4-14-17	2	4,00	9,90	-	39,40/-
SUPS 4-14-20	2	5,50	12,60	-	49,10/-
SUPS 4-14-23	2	5,50	12,60	-	51,80/-
SUPS 4-14-27	2	7,50	17,10	-	59,70/-
SUPS 4-14-30	2	7,50	17,10	-	62,60/-



## Bestellinformationen

Typ	Drehstrom 3~ 400 V Artikel-Nr.		UVP netto	UVP brutto
SUPS 4-2-5	514.1402.057	X	916,63 €	1.090,79 €
SUPS 4-2-7	514.1402.077	X	930,67 €	1.107,50 €
SUPS 4-2-11	514.1402.117	X	1.060,38 €	1.261,85 €
SUPS 4-2-15	514.1402.157	X	1.239,81 €	1.475,37 €
SUPS 4-2-19	514.1402.197	X	1.387,88 €	1.651,58 €
SUPS 4-2-23	514.1402.237		1.501,41 €	1.786,68 €
SUPS 4-2-27	514.1402.277		1.678,65 €	1.997,59 €
SUPS 4-2-31	514.1402.317		1.810,53 €	2.154,53 €
SUPS 4-2-37	514.1402.377		2.372,61 €	2.823,41 €
SUPS 4-2-42	514.1402.427		2.554,19 €	3.039,49 €
SUPS 4-2-46	514.1402.467		2.717,43 €	3.233,74 €
SUPS 4-2-52	514.1402.527		2.984,41 €	3.551,45 €
SUPS 4-2-57	514.1402.577		3.111,95 €	3.703,22 €
SUPS 4-2-62	514.1402.627		3.159,51 €	3.759,82 €
SUPS 4-3-4	514.1403.047	X	1.007,40 €	1.198,81 €
SUPS 4-3-6	514.1403.067	X	898,24 €	1.068,91 €
SUPS 4-3-9	514.1403.097	X	980,38 €	1.166,65 €
SUPS 4-3-12	514.1403.127	X	1.077,68 €	1.282,44 €
SUPS 4-3-15	514.1403.157	X	1.186,84 €	1.412,34 €
SUPS 4-3-18	514.1403.187	X	1.321,96 €	1.573,13 €
SUPS 4-3-22	514.1403.227	X	1.572,73 €	1.871,55 €
SUPS 4-3-25	514.1403.257		1.653,80 €	1.968,02 €
SUPS 4-3-31	514.1403.317		1.884,04 €	2.242,01 €
SUPS 4-3-37	514.1403.377		2.063,47 €	2.455,53 €
SUPS 4-3-44	514.1403.447		2.694,72 €	3.206,72 €
SUPS 4-3-51	514.1403.517		2.907,66 €	3.460,12 €
SUPS 4-3-57	514.1403.577		3.208,16 €	3.817,71 €
SUPS 4-3-62	514.1403.627		3.344,35 €	3.979,78 €
SUPS 4-3-67	514.1403.677		3.521,64 €	4.190,75 €
SUPS 4-5-3	514.1405.037		1.044,21 €	1.242,61 €
SUPS 4-5-4	514.1405.047	X	884,18 €	1.052,17 €
SUPS 4-5-6	514.1405.067	X	971,75 €	1.156,38 €
SUPS 4-5-9	514.1405.097	X	1.018,23 €	1.211,69 €
SUPS 4-5-13	514.1405.137	X	1.204,13 €	1.432,91 €
SUPS 4-5-18	514.1405.187	X	1.448,43 €	1.723,63 €
SUPS 4-5-23	514.1405.237	X	1.730,56 €	2.059,37 €
SUPS 4-5-27	514.1405.277		1.931,59 €	2.298,59 €
SUPS 4-5-32	514.1405.327		2.229,93 €	2.653,62 €
SUPS 4-5-37	514.1405.377		2.366,13 €	2.815,69 €
SUPS 4-5-42	514.1405.427		3.244,92 €	3.861,45 €
SUPS 4-5-45	514.1405.457		3.405,97 €	4.053,10 €
SUPS 4-5-49	514.1405.497		3.599,45 €	4.283,35 €
SUPS 4-5-53	514.1405.537		3.931,30 €	4.678,25 €
SUPS 4-5-57	514.1405.577		4.017,78 €	4.781,16 €
SUPS 4-5-62	514.1405.627		4.102,09 €	4.881,49 €
SUPS 4-5-67	514.1405.677		4.174,51 €	4.967,67 €

Typ	Wechselstrom 1~ 230 V Artikel-Nr.		UVP netto	UVP brutto
SUPS 4-2-5	514.1402.058		968,51 €	1.152,53 €
SUPS 4-2-7	514.1402.078		982,55 €	1.169,23 €
SUPS 4-2-11	514.1402.118		1.126,32 €	1.340,32 €
SUPS 4-2-15	514.1402.158		1.313,32 €	1.562,85 €
SUPS 4-2-19	514.1402.198		1.484,09 €	1.766,07 €
SUPS 4-2-23	514.1402.238		1.596,52 €	1.899,86 €
SUPS 4-2-27	514.1402.278		1.948,90 €	2.319,19 €
SUPS 4-2-31	514.1402.318		2.075,37 €	2.469,69 €
SUPS 4-2-37	514.1402.378		2.764,99 €	3.290,34 €
SUPS 4-2-42	514.1402.428		2.950,91 €	3.511,58 €
SUPS 4-2-46	514.1402.468		3.113,04 €	3.704,52 €
SUPS 4-2-52	-		-	-
SUPS 4-2-57	-		-	-
SUPS 4-2-62	-		-	-
SUPS 4-3-4	514.1403.048		937,17 €	1.115,23 €
SUPS 4-3-6	514.1403.068		953,37 €	1.134,51 €
SUPS 4-3-9	514.1403.098		1.047,41 €	1.246,42 €
SUPS 4-3-12	514.1403.128		1.149,02 €	1.367,33 €
SUPS 4-3-15	514.1403.158		1.283,05 €	1.526,83 €
SUPS 4-3-18	514.1403.188		1.417,08 €	1.686,33 €
SUPS 4-3-22	514.1403.228		1.838,63 €	2.187,97 €
SUPS 4-3-25	514.1403.258		1.919,72 €	2.284,47 €
SUPS 4-3-31	514.1403.318		2.277,49 €	2.710,21 €
SUPS 4-3-37	514.1403.378		2.459,08 €	2.926,31 €
SUPS 4-3-44	-		-	-
SUPS 4-3-51	-		-	-
SUPS 4-3-57	-		-	-
SUPS 4-3-62	-		-	-
SUPS 4-3-67	-		-	-
SUPS 4-5-3	514.1405.038		923,09 €	1.098,48 €
SUPS 4-5-4	514.1405.048		936,07 €	1.113,92 €
SUPS 4-5-6	514.1405.068		1.038,75 €	1.236,11 €
SUPS 4-5-9	514.1405.098		1.091,72 €	1.299,15 €
SUPS 4-5-13	514.1405.138		1.299,25 €	1.546,11 €
SUPS 4-5-18	514.1405.188		1.726,22 €	2.054,20 €
SUPS 4-5-23	514.1405.238		2.125,09 €	2.528,86 €
SUPS 4-5-27	514.1405.278		2.327,21 €	2.769,38 €
SUPS 4-5-32	-		-	-
SUPS 4-5-37	-		-	-
SUPS 4-5-42	-		-	-
SUPS 4-5-45	-		-	-
SUPS 4-5-49	-		-	-
SUPS 4-5-53	-		-	-
SUPS 4-5-57	-		-	-
SUPS 4-5-62	-		-	-
SUPS 4-5-67	-		-	-

X = Lagerware, sofortiger Versand möglich



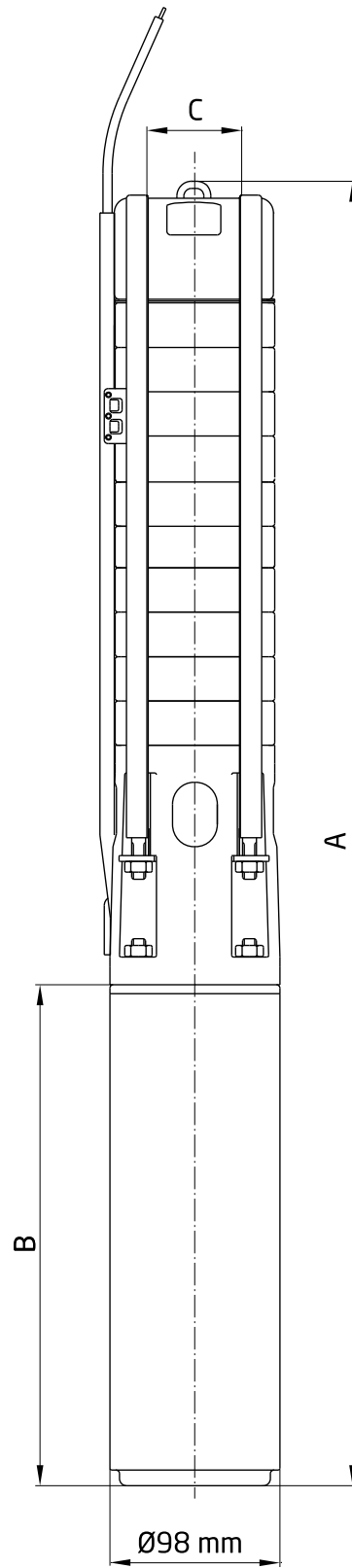
### Bestellinformationen

Typ	Drehstrom 3~ 400 V Artikel-Nr.	UVP netto	UVP brutto
SUPS 4-8-2	514.1408.027	974,99 €	1.160,24 €
SUPS 4-8-3	514.1408.037	865,82 €	1.030,33 €
SUPS 4-8-4	514.1408.047	X 900,40 €	1.071,48 €
SUPS 4-8-6	514.1408.067	X 976,06 €	1.161,51 €
SUPS 4-8-9	514.1408.097	X 1.105,77 €	1.315,87 €
SUPS 4-8-12	514.1408.127	X 1.277,65 €	1.520,40 €
SUPS 4-8-15	514.1408.157	X 1.612,73 €	1.919,15 €
SUPS 4-8-18	514.1408.187	X 1.704,61 €	2.028,49 €
SUPS 4-8-22	514.1408.227	X 2.053,76 €	2.443,97 €
SUPS 4-8-25	514.1408.257	X 2.148,87 €	2.557,16 €
SUPS 4-8-28	514.1408.287	2.420,16 €	2.879,99 €
SUPS 4-8-31	514.1408.317	2.516,36 €	2.994,47 €
SUPS 4-8-34	514.1408.347	2.645,00 €	3.147,55 €
SUPS 4-8-38	514.1408.387	3.193,02 €	3.799,69 €
SUPS 4-8-42	514.1408.427	3.849,16 €	4.580,50 €
SUPS 4-8-46	514.1408.467	4.035,05 €	4.801,71 €
SUPS 4-8-52	514.1408.527	4.520,41 €	5.379,29 €
SUPS 4-8-57	514.1408.577	4.707,38 €	5.601,78 €
SUPS 4-8-62	514.1408.627	4.898,71 €	5.829,46 €
SUPS 4-14-2	514.1414.027	1.110,11 €	1.321,03 €
SUPS 4-14-4	514.1414.047	1.358,71 €	1.616,86 €
SUPS 4-14-6	514.1414.067	1.593,27 €	1.895,99 €
SUPS 4-14-8	514.1414.087	1.869,99 €	2.225,29 €
SUPS 4-14-11	514.1414.117	2.425,58 €	2.886,44 €
SUPS 4-14-13	514.1414.137	2.623,37 €	3.121,81 €
SUPS 4-14-15	514.1414.157	2.962,80 €	3.525,73 €
SUPS 4-14-17	514.1414.177	3.257,87 €	3.876,87 €
SUPS 4-14-20	514.1414.207	3.696,73 €	4.399,11 €
SUPS 4-14-23	514.1414.237	3.991,82 €	4.750,27 €
SUPS 4-14-27	514.1414.277	4.673,88 €	5.561,92 €
SUPS 4-14-30	514.1414.307	4.976,54 €	5.922,08 €

Typ	Wechselstrom 1~ 230 V Artikel-Nr.	UVP netto	UVP brutto
SUPS 4-8-2	514.1408.028	905,80 €	1.077,90 €
SUPS 4-8-3	514.1408.038	920,94 €	1.095,92 €
SUPS 4-8-4	514.1408.048	967,40 €	1.151,21 €
SUPS 4-8-6	514.1408.068	1.049,58 €	1.249,00 €
SUPS 4-8-9	514.1408.098	1.204,13 €	1.432,91 €
SUPS 4-8-12	514.1408.128	1.601,92 €	1.906,28 €
SUPS 4-8-15	514.1408.158	2.020,23 €	2.404,07 €
SUPS 4-8-18	514.1408.188	2.114,28 €	2.515,99 €
SUPS 4-8-22	-	-	-
SUPS 4-8-25	-	-	-
SUPS 4-8-28	-	-	-
SUPS 4-8-31	-	-	-
SUPS 4-8-34	-	-	-
SUPS 4-8-38	-	-	-
SUPS 4-8-42	-	-	-
SUPS 4-8-46	-	-	-
SUPS 4-8-52	-	-	-
SUPS 4-8-57	-	-	-
SUPS 4-8-62	-	-	-
SUPS 4-14-2	-	-	-
SUPS 4-14-4	-	-	-
SUPS 4-14-6	-	-	-
SUPS 4-14-8	-	-	-
SUPS 4-14-11	-	-	-
SUPS 4-14-13	-	-	-
SUPS 4-14-15	-	-	-
SUPS 4-14-17	-	-	-
SUPS 4-14-20	-	-	-
SUPS 4-14-23	-	-	-
SUPS 4-14-27	-	-	-
SUPS 4-14-30	-	-	-

X = Lagerware, sofortiger Versand möglich

## Abmessungen





## Abmessungen

Typ	A 3~/1~	B 3~/1~	C
SUPS 4-2-5	538/538	237/237	Rp 1 ½
SUPS 4-2-7	610/624	237/251	Rp 1 ½
SUPS 4-2-11	721/746	251/276	Rp 1 ½
SUPS 4-2-15	837/863	271/297	Rp 1 ½
SUPS 4-2-19	960/984	297/321	Rp 1 ½
SUPS 4-2-23	1056/1080	297/321	Rp 1 ½
SUPS 4-2-27	1177/1209	321/353	Rp 1 ½
SUPS 4-2-31	1273/1305	321/353	Rp 1 ½
SUPS 4-2-37	1450/1548	353/451	Rp 1 ½
SUPS 4-2-42	1570/1668	353/451	Rp 1 ½
SUPS 4-2-46	1667/1765	353/451	Rp 1 ½
SUPS 4-2-52	1867/-	408/-	Rp 1 ½
SUPS 4-2-57	1987/-	408/-	Rp 1 ½
SUPS 4-2-62	2108/-	408/-	Rp 1 ½
SUPS 4-3-4	537/537	237/237	Rp 1 ½
SUPS 4-3-6	568/600	237/251	Rp 1 ½
SUPS 4-3-9	672/697	251/276	Rp 1 ½
SUPS 4-3-12	764/790	271/297	Rp 1 ½
SUPS 4-3-15	863/887	297/321	Rp 1 ½
SUPS 4-3-18	935/959	297/321	Rp 1 ½
SUPS 4-3-22	1056/1088	321/353	Rp 1 ½
SUPS 4-3-25	1120/1160	321/353	Rp 1 ½
SUPS 4-3-31	1305/1403	353/451	Rp 1 ½
SUPS 4-3-37	1449/1547	353/451	Rp 1 ½
SUPS 4-3-44	1673/-	408/-	Rp 1 ½
SUPS 4-3-51	1842/-	408/-	Rp 1 ½
SUPS 4-3-57	2099/-	520/-	Rp 1 ½
SUPS 4-3-62	2219/-	520/-	Rp 1 ½
SUPS 4-3-67	2363/-	543/-	Rp 1 ½
SUPS 4-5-3	513/513	237/237	Rp 1 ½
SUPS 4-5-4	537/551	237/251	Rp 1 ½
SUPS 4-5-6	600/625	251/276	Rp 1 ½
SUPS 4-5-9	692/718	271/297	Rp 1 ½
SUPS 4-5-13	815/839	297/321	Rp 1 ½
SUPS 4-5-18	959/991	321/353	Rp 1 ½
SUPS 4-5-23	1112/1210	353/451	Rp 1 ½
SUPS 4-5-27	1208/1306	353/451	Rp 1 ½
SUPS 4-5-32	1384/-	408/-	Rp 1 ½
SUPS 4-5-37	1504/-	408/-	Rp 1 ½
SUPS 4-5-42	1737/-	520/-	Rp 1 ½
SUPS 4-5-45	1809/-	520/-	Rp 1 ½
SUPS 4-5-49	1929/-	543/-	Rp 1 ½
SUPS 4-5-53	2135/-	652/-	Rp 1 ½
SUPS 4-5-57	2232/-	652/-	Rp 1 ½
SUPS 4-5-62	2352/-	652/-	Rp 1 ½
SUPS 4-5-67	2473/-	652/-	Rp 1 ½

Typ	A 3~/1~	B 3~/1~	C
SUPS 4-8-2	489/489	237/237	Rp 2
SUPS 4-8-3	513/527	237/251	Rp 2
SUPS 4-8-4	551/576	251/276	Rp 2
SUPS 4-8-6	620/646	271/297	Rp 2
SUPS 4-8-9	718/742	297/321	Rp 2
SUPS 4-8-12	814/846	321/353	Rp 2
SUPS 4-8-15	919/1017	353/451	Rp 2
SUPS 4-8-18	991/1089	353/451	Rp 2
SUPS 4-8-22	1143/-	408/-	Rp 2
SUPS 4-8-25	1215/-	408/-	Rp 2
SUPS 4-8-28	1399/-	520/-	Rp 2
SUPS 4-8-31	1472/-	520/-	Rp 2
SUPS 4-8-34	1567/-	543/-	Rp 2
SUPS 4-8-38	1774/-	652/-	Rp 2
SUPS 4-8-42	1870/-	652/-	Rp 2
SUPS 4-8-46	1967/-	652/-	Rp 2
SUPS 4-8-52	2189/-	730/-	Rp 2
SUPS 4-8-57	2340/-	730/-	Rp 2
SUPS 4-8-62	2340/-	730/-	Rp 2
SUPS 4-14-2	567/-	226/-	Rp 2
SUPS 4-14-4	773/-	282/-	Rp 2
SUPS 4-14-6	948/-	307/-	Rp 2
SUPS 4-14-8	1130/-	339/-	Rp 2
SUPS 4-14-11	1410/-	394/-	Rp 2
SUPS 4-14-13	1560/-	394/-	Rp 2
SUPS 4-14-15	1836/-	520/-	Rp 2
SUPS 4-14-17	2009/-	543/-	Rp 2
SUPS 4-14-20	2344/-	653/-	Rp 2
SUPS 4-14-23	2569/-	653/-	Rp 2
SUPS 4-14-27	2947/-	731/-	Rp 2
SUPS 4-14-30	3172/-	731/-	Rp 2