

SUPS 4



Borehole pumps

Field of application

- Water supply
- Irrigation
- Fountain units
- Heat pumps
- Rainwater utilisation

Design

Three-phase:

Pump complete with three phase motor 3~ 400V, 50 Hz, 2800 rpm, including non-return valve, without cable connectors.

Single phase:

Pump complete with single-phase motor 1~ 230V, 50 Hz, 2800 rpm, with start-up device, including motor protection switch and non-return valve, without cable connectors

Motor

Protection class IP 68
Class of insulation..... B
Voltage..... 1~ 230 V ± 10 %
with start-up device in ISO housing
Voltage..... 3~ 400 V ± 10 %
Start type direct start
Motor speed 2800 rpm
Frequency 50 Hz

Technical data

Flow rate..... Q up to max. 8 m³/h
Total dynamic head H up to max. 415 mWs
Fluid temperature t up to max. 30 °C
Sand content..... up to max. 150 g/m³

Pumped fluid

Pure, cold water.

Materials used

Pump housing..... stainless steel AISI 304
Stages/impellers stainless steel AISI 304
Shaft stainless steel AISI 304
Coupling..... stainless steel AISI 304
Wear ring PTFE
Bearings/intermediate bearings NBR
Strainer..... stainless steel AISI 304

Type key

SUPS 4-3-12

SUP SPECK borehole pump
S stainless steel design
4 pump type 4"
3 pump size
12 number of stages

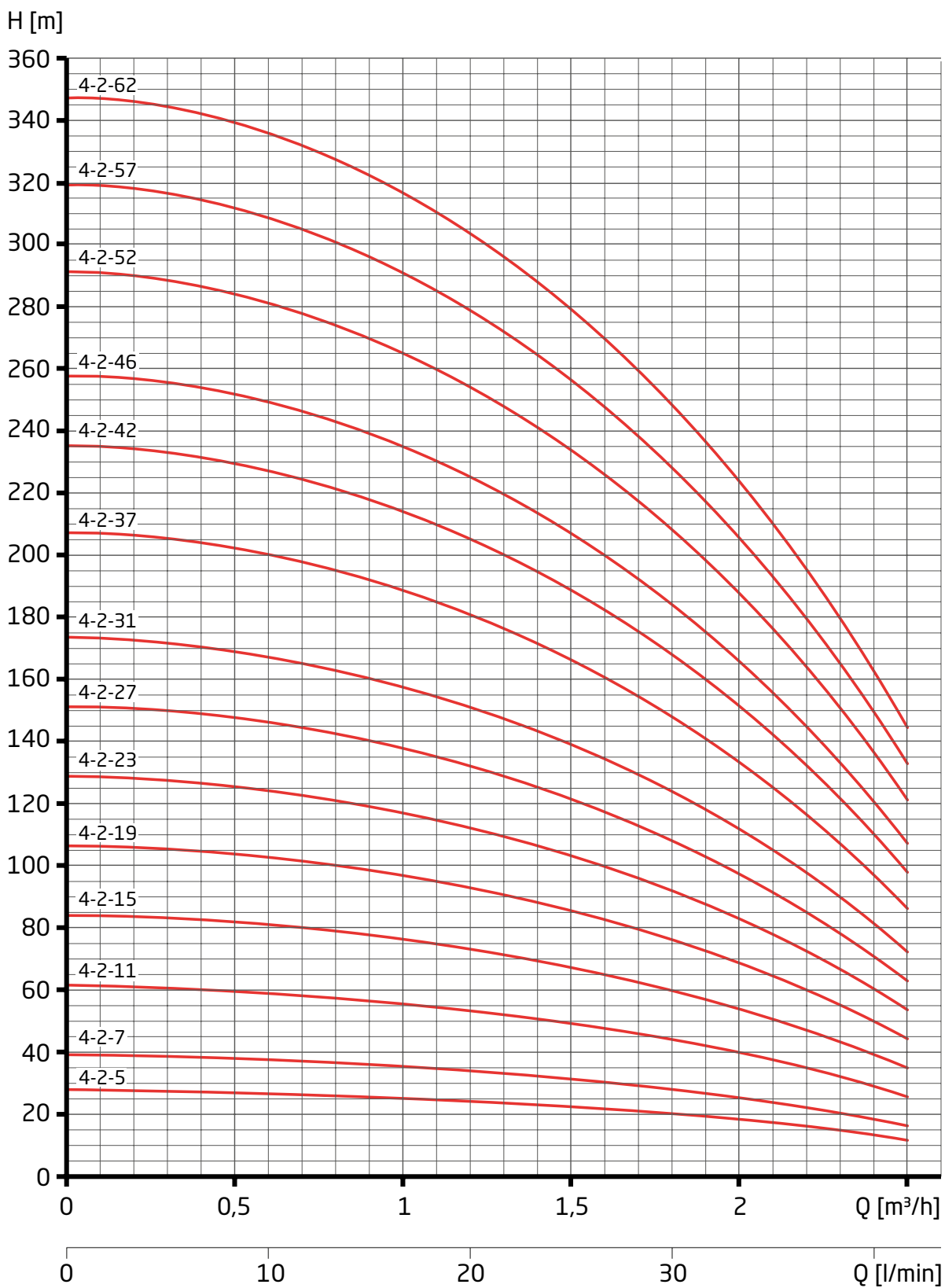
Special editions

- Special material AISI 316
- Higher fluid temperatures

SUPS 4



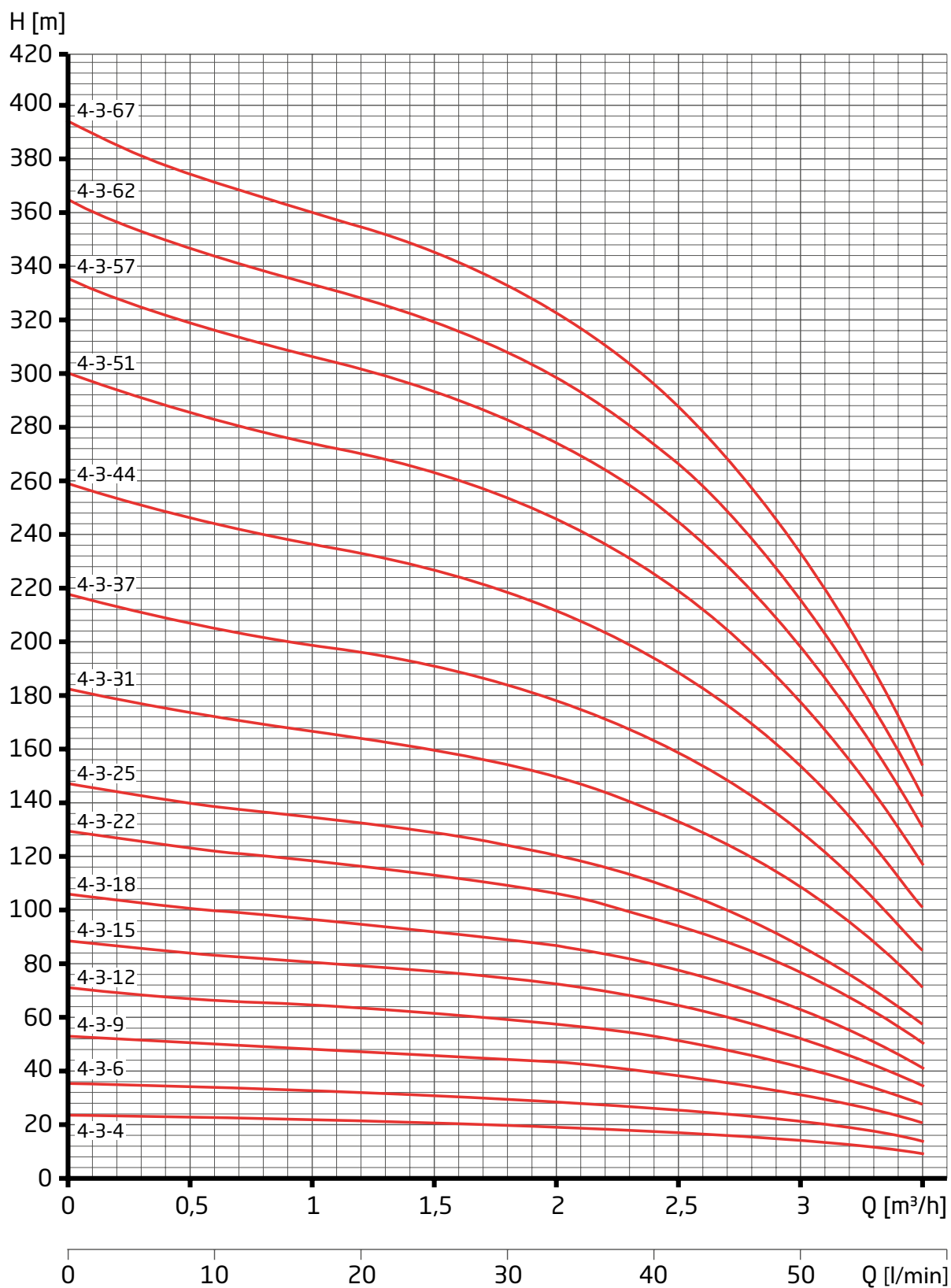
Characteristics



SUPS 4



Characteristics

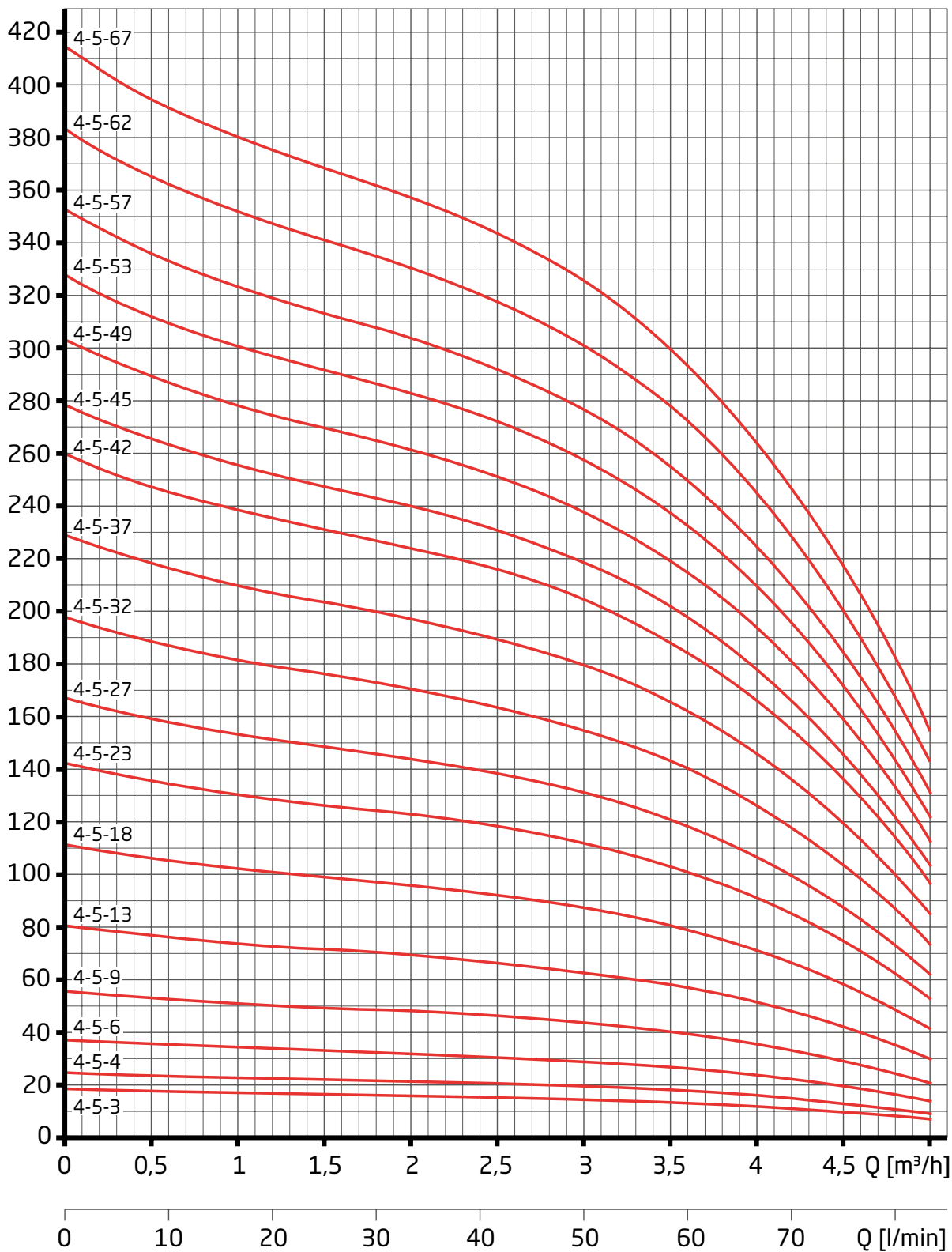


SUPS 4



Characteristics

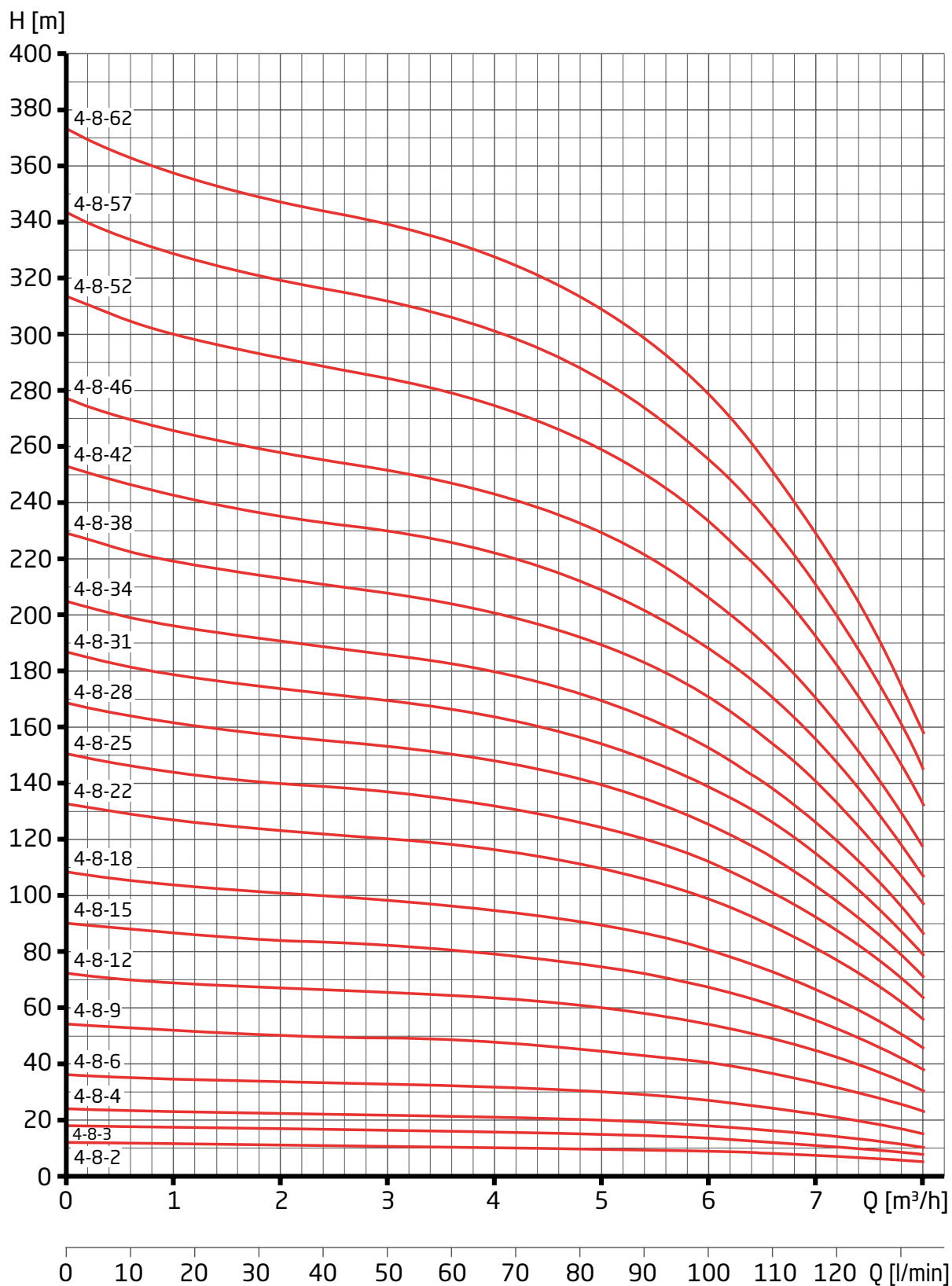
H [m]



SUPS 4



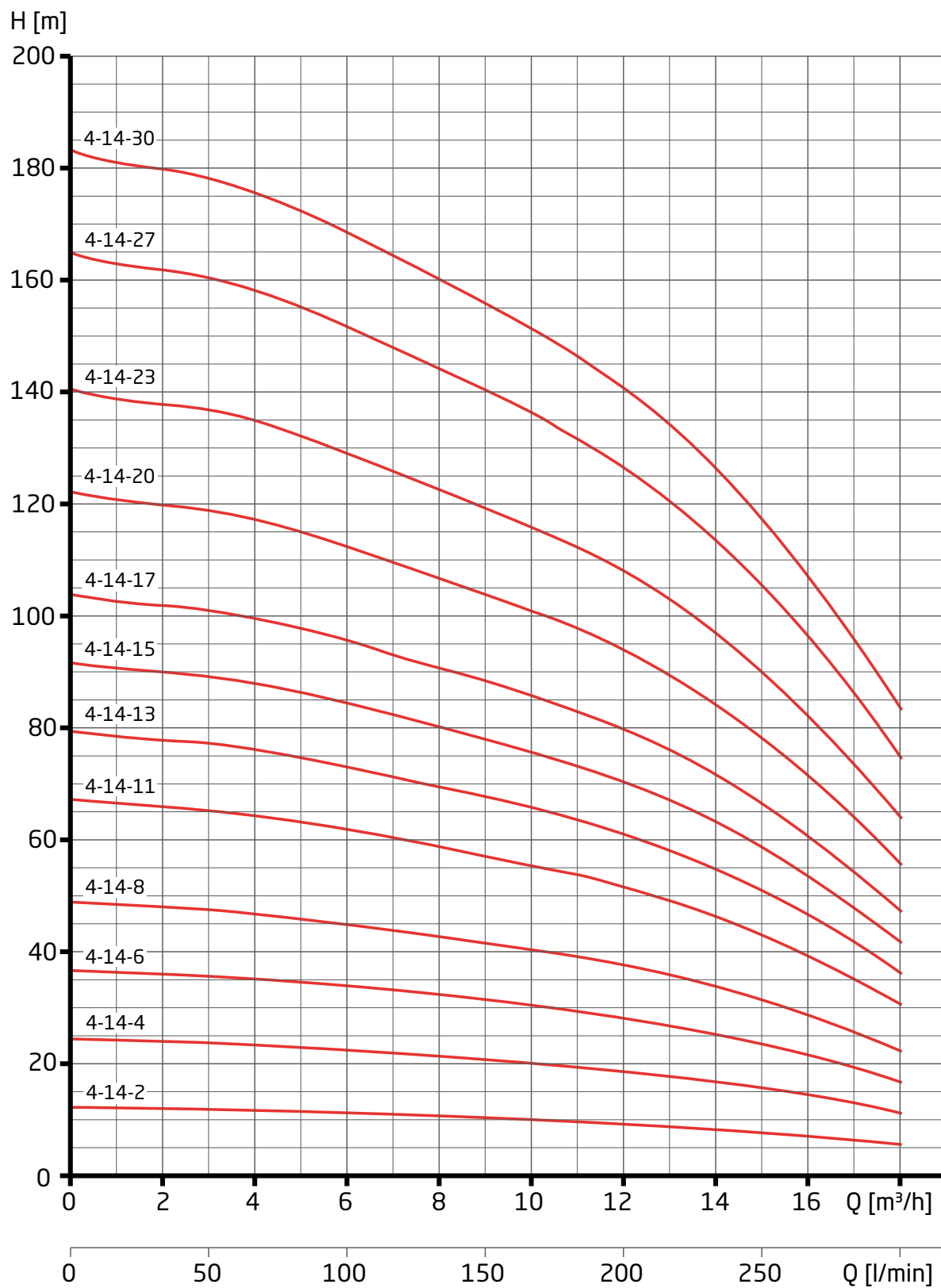
Characteristics



SUPS 4



Characteristics



SUPS 4



Technical data

Type	Pipe connection (Rp)	Power output P ₂ (kW)	Rated current (A) 3~ 400 V	Rated current (A) 1~ 230 V	Weight (kg) 3~/1~
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	0.38	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/-

SUPS 4



Technical data

Typ	Pipe connection (Rp)	Power output P ₂ (kW)	Rated current (A) 3~ 400 V	Rated current (A) 1~ 230 V	Weight (kg) 3~/1~
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/-

SUPS 4



Order information

Type	Three phase 3~ 400 V article no.	Single-phase 1~ 230 V article no.
SUPS 4-2-5	514.1402.057	514.1402.058
SUPS 4-2-7	514.1402.077	514.1402.078
SUPS 4-2-11	514.1402.117	514.1402.118
SUPS 4-2-15	514.1402.157	514.1402.158
SUPS 4-2-19	514.1402.197	514.1402.198
SUPS 4-2-23	514.1402.237	514.1402.238
SUPS 4-2-27	514.1402.277	514.1402.278
SUPS 4-2-31	514.1402.317	514.1402.318
SUPS 4-2-37	514.1402.377	514.1402.378
SUPS 4-2-42	514.1402.427	514.1402.428
SUPS 4-2-46	514.1402.467	514.1402.468
SUPS 4-2-52	514.1402.527	-
SUPS 4-2-57	514.1402.577	-
SUPS 4-2-62	514.1402.627	-
SUPS 4-3-4	514.1403.047	514.1403.048
SUPS 4-3-6	514.1403.067	514.1403.068
SUPS 4-3-9	514.1403.097	514.1403.098
SUPS 4-3-12	514.1403.127	514.1403.128
SUPS 4-3-15	514.1403.157	514.1403.158
SUPS 4-3-18	514.1403.187	514.1403.188
SUPS 4-3-22	514.1403.227	514.1403.228
SUPS 4-3-25	514.1403.257	514.1403.258
SUPS 4-3-31	514.1403.317	514.1403.318
SUPS 4-3-37	514.1403.377	514.1403.378
SUPS 4-3-44	514.1403.447	-
SUPS 4-3-51	514.1403.517	-
SUPS 4-3-57	514.1403.577	-
SUPS 4-3-62	514.1403.627	-
SUPS 4-3-67	514.1403.677	-
SUPS 4-5-3	514.1405.037	514.1405.038
SUPS 4-5-4	514.1405.047	514.1405.048
SUPS 4-5-6	514.1405.067	514.1405.068
SUPS 4-5-9	514.1405.097	514.1405.098
SUPS 4-5-13	514.1405.137	514.1405.138
SUPS 4-5-18	514.1405.187	514.1405.188
SUPS 4-5-23	514.1405.237	514.1405.238
SUPS 4-5-27	514.1405.277	514.1405.278
SUPS 4-5-32	514.1405.327	-
SUPS 4-5-37	514.1405.377	-
SUPS 4-5-42	514.1405.427	-
SUPS 4-5-45	514.1405.457	-
SUPS 4-5-49	514.1405.497	-
SUPS 4-5-53	514.1405.537	-
SUPS 4-5-57	514.1405.577	-
SUPS 4-5-62	514.1405.627	-
SUPS 4-5-67	514.1405.677	-

SUPS 4



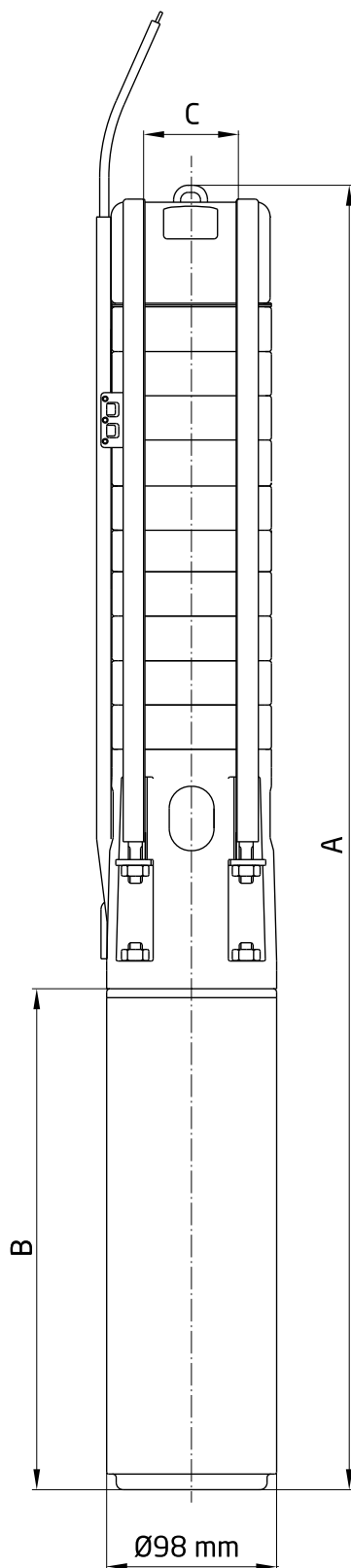
Order information

Type	Three phase 3~ 400 V article no.	Single-phase 1~ 230 V article no.
SUPS 4-8-2	514.1408.027	514.1408.028
SUPS 4-8-3	514.1408.037	514.1408.038
SUPS 4-8-4	514.1408.047	514.1408.048
SUPS 4-8-6	514.1408.067	514.1408.068
SUPS 4-8-9	514.1408.097	514.1408.098
SUPS 4-8-12	514.1408.127	514.1408.128
SUPS 4-8-15	514.1408.157	514.1408.158
SUPS 4-8-18	514.1408.187	514.1408.188
SUPS 4-8-22	514.1408.227	-
SUPS 4-8-25	514.1408.257	-
SUPS 4-8-28	514.1408.287	-
SUPS 4-8-31	514.1408.317	-
SUPS 4-8-34	514.1408.347	-
SUPS 4-8-38	514.1408.387	-
SUPS 4-8-42	514.1408.427	-
SUPS 4-8-46	514.1408.467	-
SUPS 4-8-52	514.1408.527	-
SUPS 4-8-57	514.1408.577	-
SUPS 4-8-62	514.1408.627	-
SUPS 4-14-2	514.1414.027	-
SUPS 4-14-4	514.1414.047	-
SUPS 4-14-6	514.1414.067	-
SUPS 4-14-8	514.1414.087	-
SUPS 4-14-11	514.1414.117	-
SUPS 4-14-13	514.1414.137	-
SUPS 4-14-15	514.1414.157	-
SUPS 4-14-17	514.1414.177	-
SUPS 4-14-20	514.1414.207	-
SUPS 4-14-23	514.1414.237	-
SUPS 4-14-27	514.1414.277	-
SUPS 4-14-30	514.1414.307	-

SUPS 4



Dimensions



SUPS 4



Dimensions

Type	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	112/1160	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

Type	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