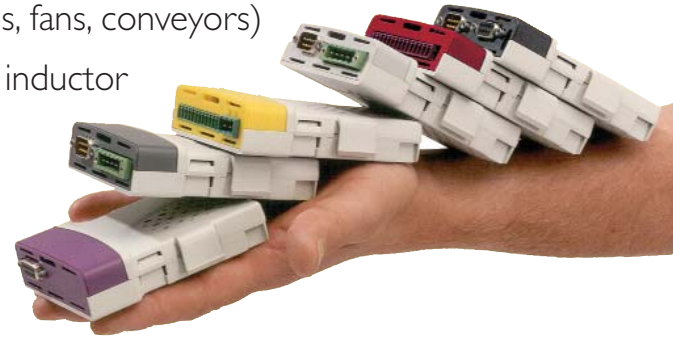
Unidrive SP – Free standing AC cubicle drives from 90 to 675kW

THE BENCHMARK

Control Techniques completes the range extension for the Benchmark Solutions Platform AC drives with the arrival of the free standing cubicle drives from 90 to 675kW.

- Offers users all the integration options of the Unidrive SP range
- A cost competitive, pre-engineered 'AC in, AC out' solution
- Designed to deliver maximum kW density for physical size
- Perfect match for standard drive applications (pumps, fans, conveyors)
- Standard IP20 cubicle includes rectifier, inverter and inductor
- Simple and easy to order, install and configure
- Offers drive protection with either
  - customer's protected supply
  - optional built-in input fuses
- Separate incomer cubicle available to integrate fuse switch/MCCB etc.
- Application cubicle available for additional control and equipment e.g. plc



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CONTROL TECHNIQUES
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Unidrive SP9 Unidrive SP8 Unidrive SP7 Unidrive SP6

Dimensions (mm)

Drive size	w	h	d
SP6, SP7, SP8, Incomer	400	2000	600
SP9	800	2000	600

Unidrive SP①		Normal Duty			Heavy Duty		
		Motor Output	Continuous Output Current	Peak Output Current	Motor Output	Continuous Output Current	Peak Output Current
Order Code	Frame	kW@400V	I_N (A)	I_{PK} (A)	kW@400V	I_H (A)	I_{PK} (A)
SP6411	6	110	202	222	90	180	270
SP6412		132	236	260	110	210	315
SP7411	7	160	290	319	132	240	360
SP7412		200	330	363	160	290	435
SP8411	8	225	311	342	225	266	399
SP8412		250	437	481	225	388	582
SP8413		315	540	594	250	440	660
SP8414		355	620	682	315	540	810
SP9411	9	400	688	757	355	620	930
SP9412		450	770	926	400	688	1032
SP9413		500	850	1023	450	770	1155
SP9414		560	990	1179	500	850	1275
SP9415		675 ②	1150	1377	560	990	1485
Order Code	Frame	hp@575V	I_N (A)	I_{PK} (A)	hp@575V	I_H (A)	I_{PK} (A)
SP6611	6	125	125	138	100	100	150
SP6612		150	144	158	125	125	188
SP7611	7	150	168	185	150	144	216
SP7612		200	192	211	150	168	252
SP8611	8	250	231	254	200	186	279
SP8612		300	266	293	250	231	346
SP8613		350	311	342	300	266	399
SP8614		400	355	391	350	311	467
SP9611	9	450	400	440	400	347	520
SP9612		500	466	513	450	400	600
SP9613		550	533	586	500	466	699
SP9614		650	616	678	550	533	800
SP9615		700	711	782	650	622	933
Order Code	Frame	kW@690V	I_N (A)	I_{PK} (A)	kW@690V	I_H (A)	I_{PK} (A)
SP6611	6	110	125	138	90	100	150
SP6612		132	144	158	110	125	188
SP7611	7	160	168	185	132	144	216
SP7612		185	192	211	160	168	252
SP8611	8	200	231	254	185	186	279
SP8612		225	266	292	200	231	347
SP8613		315	311	342	250	266	399
SP8614		355	355	391	315	311	467
SP9611	9	400	400	440	355	347	520
SP9612		450	466	513	400	400	600
SP9613		500	533	586	450	466	699
SP9614		560	616	678	500	533	800
SP9615		670	711	782	560	622	933

① Select model based on actual motor full load current.

SP 7 4 1 1 -P12 –

- SP Free Standing Enclosure Rating: IP20 (default)
- Input Pulse Number: 6 pulse (default); – P12 12 pulse
- Current Rating Step
- SP Power Range
- Voltage Rating: 2 – 200 to 240V; 4 – 380 to 480V; 5 – 500 to 575V; 6 – 500 to 690V
- Configuration: 1 – Free Standing inc. brake control; 2 – Wall Mount, no dynamic brake control; 3 – Free Standing, no dynamic brake control

Normal Duty (open loop)	Suitable for most applications, current overload is set at 110% for 60 seconds. Where motor rated current is less than the drive rated continuous current, higher overloads are achieved.
Heavy Duty (open loop vector, closed loop vector or servo)	Suitable for demanding applications, current overload is set at up to 150% for 60 seconds. Where motor rated current is less than the drive rated continuous current, higher overloads (200% or greater) are achieved.