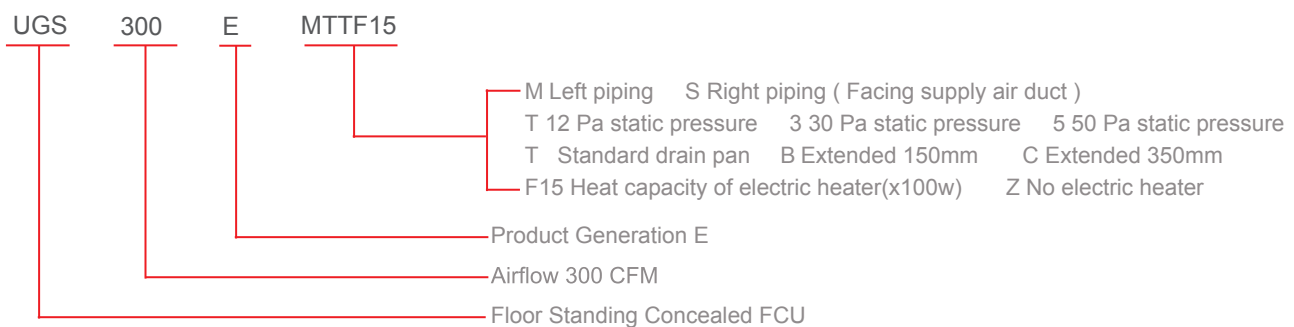


# Nomenclature



- Different ESP for option (12Pa,30Pa,50Pa)
- Air flow ranges from 190CMH to 2400CMH.



## Optional Accessories

American Pro® has a series of optional accessories for different requirements on the following:

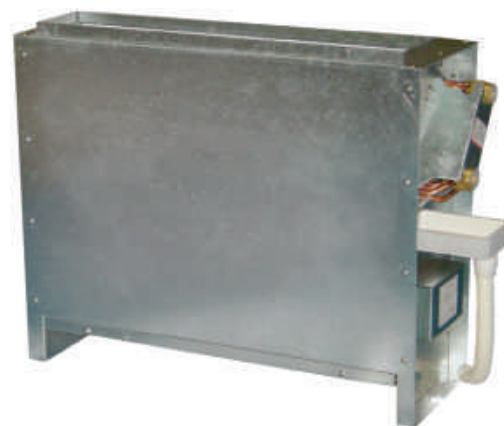
No.	Options		UDS				UDSR			UGN		UGS	UD		ULN
			2 Pipes		4 Pipes		2 Pipes		4 Pipes	UGN-T	UGN-Y		UD-EB	UD-EC	
			2 rows	3 rows	4 rows	3+1	3 rows	4 rows	3+1						
1	Brushless DC Motor		-	√	-	-	√	-	-	-	-	-	-	-	-
2	Filter	Nylon Filter	√	√	√	√	√	√	√	√	√	○	○	○	○
		Metal Filter	√	√	√	√	√	√	√	√	√	-	-	-	-
3	Return Air Plenum	Back	√	√	√	√	√	√	√	√	√	-	-	-	-
		Bottom	√	√	√	√	√	√	√	√	○	-	-	-	-
4	3-speed Switch		√	√	√	-	√	√	-	√	√	√	-	√	-
5	Thermostat		√	√	√	√	√	√	√	√	√	√	-	√	-
6	Wire Controller		-	-	-	-	-	-	-	-	-	-	√	-	√
7	Remote Controller		√	√	√	√	√	√	√	√	√	√	○	√	○
8	Motorized Valve		√	√	√	√	√	√	√	√	√	√	√	√	√

Note: √--Optional ○--Standard - None

UDS/UDSR with brushless DC motor is matched with thermostat

UGN-T -- UGN standard static pressure type(0-80Pa) UGN-Y -- UGN high static pressure type(80-180Pa)

- Different ESP for option (12Pa,30Pa,50Pa)
- Air flow ranges from 190CMH to 2400CMH.



## Floor Standing Concealed Fan Coil UGS Series

UGS Series		UGS200E	UGS300E	UGS400E	UGS500E	UGS600E	UGS800E	UGS1000E	UGS1200E	UGS1400E
Air Flow m³/h	High	350	520	680	850	1030	1380	1710	2040	2400
	Medium	270	380	510	640	780	1030	1290	1540	1975
	Low	190	280	340	450	560	740	890	1040	1255
Total Cooling Capacity W	High	1970	2850	3760	4600	5450	7310	9000	10800	13000
	Medium	1780	2480	3250	3860	4600	6215	7920	9400	11700
	Low	1460	2050	2655	3030	4000	5190	6120	7230	7560
Sensible Cooling Capacity W	High	1417	2050	2713	3307	3920	5260	6480	7760	9360
	Medium	1255	1720	2270	2700	3330	4365	5570	6520	7950
	Low	935	1390	1830	2050	2700	3520	4150	4780	5710
Heating Capacity W	High	3480	5350	6700	7800	9000	11800	13880	16700	20040
Fan	Type	Centrifugal (Blade: Forward-Curved)								
	Quantity	1	2	2	2	2	3	4	4	4
Motor	Type	Split-capacitor motor with ball bearing								
	Insulation Class	B								
	Power Supply	220V~50Hz								
	Quantity	1	1	1	1	1	2	2	2	2
High Rated Power Input W	S	30	45	55	75	90	128	150	189	228
	30Pa	42	55	65	82	105	148	171	212	253
	50Pa	47	62	75	91	115	165	203	250	290
Coil	Type	Seamless copper tube mechanically bonded to aluminum hydrophilic fin								
	Max. Working Pressure Mpa	1.6								
	Pipe Connection	Rc3/4 (Taper Pipe Female Threaded)								
	Water Flow Rate m³/h	0.34	0.49	0.65	0.79	0.94	1.25	1.55	1.85	2.23
	Water Pressure Drop kPa	3.4	7.6	13	21	31.2	10	15.7	22.8	38
Dimension	Length mm	640	760	880	1000	1120	1505	1625	1745	1870
	Width mm	230	230	230	230	230	230	230	230	255
	Height mm	620	620	620	620	620	620	620	620	680
Net Weight kg	18	22	24	30	36	52	58	64	75	
High Sound Pressure Level	S(12Pa)	36.5	38	40.5	42	45	46	47.5	49	51
	30Pa	39	41	43	44	46	47	49	51	52
	50Pa	42	43	45	47	49	50	52	53	53
Condensate Drain Size	R 3/4 (Taper Pipe Male Threaded)									

Note:

- Cooling capacity is based on the following:
  - Water temperature: 7°C (inlet)/12°C (outlet)
  - Air entering condition: 27°C DB/19.5°C WB
- Heating capacity is based on the following (with same water flow rate as cooling cycle):
  - Water temperature: 60°C (inlet)
  - Air entering condition: 21°C DB
- Low ESP means 0Pa with air vent & filter and 12Pa without air vent& filter.
- The air volume is tested under entering air condition of 20°C DB and dry coil condition.
- The sound pressure level is based on 11.5dB(A) hemi-anechoic room background noise.
- The manufacturer reserves the rights to make changes to the above specifications without prior notice.