









SERIES

Low Noise Cross Flow Type

















he ryowo Group is the pioneer and manufacturer of fiberglass-reinforced polyester (FRP) cooling towers in Hong Kong.

We offer a full range of product lines in FRP, stainless steel and galvanized steel water-cooling towers. With our vital production station, Dongguan RYOWO Cooling Tower Company Limited, we manufacture, market and service a full range of water-cooling towers. Over 90% of the cooling tower parts are from our own factory and, as a result, control of cost and quality are ensured.

RYOWO has been a member of the Cooling Technology Institute since 1982. With our own R&D department and testing facilities, we have diffrent lines of products which are CTI-201 certified.

The FWS/FCS series, the highest standard of water-cooling towers with guaranteed cooling capacity. In order to expand the application of our cooling towers, we developed the integrated drift eliminator, and used the super low noise fan as an option in this series.

## FWS/FCS

Cross Flow Type





MANUFACTURER'S PUBLISHED THERMAL PERFORMANCE IS CERTIFIED BY THE COOLING TOWER INSTITUTE UNDER THE PROVISIONS OF STD-201(11)
CERTIFICATION VALIDATION NUMBER

C27A-04R05

. . . .

THE COOLING TOWER YOU CAN RELY ON

### MODEL DESIGNATION

Model Nos.

/E is for integrated drift eliminator/AE is for additional drift eliminator

/L is for additional louver installed in front

of air inlet face
/SLF is for super low noise fan

GI - for FRP Casing & Basin, HDG Structure

SS - for FRP Casing & Basin, SS Structure

AG - for HDG Casing, Basin & Structure

AS - for SS Casing, Basin, SS Structure

There are 407 models in total for the FWS/FCS series with different configurations to meet various requirements and provide a high degree of flexibility.

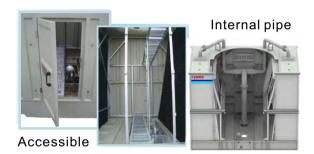


Most FWS cooling towers can be factory assembled and delivered to site.



All FWS/FCS models can be fitted with RYOWO special integrated drift eliminators to achieve drift loss less than 0.005% and equipped with OSHA handrail and caged ladder to comply with particular requirements.





Super low noise fan to reduce the sound power level, maintaining the same thermal performance.



#### FRP / HDG / SS MATERIAL ARE AVAILABLE



FRP Casing + SS Basin

The standard FWS/FCS cooling towers are made of FRP casing & basin with hot dip galvanized structure. Optional stainless steel casing & basin and structure can also be provided upon request.



Model	Water Flow	Fan Power	Width	Length	ngth Height		Model	Water Flow	Fan Power	Width	Length	Height
	m <sup>3</sup> /hr	kW	mm	mm	mm			m³/hr	kW	mm	mm	mm
FWS-94-3.7	94	3.7	2000	4000	4125		FWS-225-5.5	185	5.5	2600	5700	4145
FWS-94-5.5	107	5.5	2000	4000	4125		FWS-225-7.5	204	7.5	2600	5700	4145
FWS-94-7.5	119	7.5	2000	4000	4125		FWS-225-11	233	11	2600	5700	4145
FWS-127-3.7	111	3.7	2300	4400	4125		FWS-225-15	261	15	2600	5700	4145
FWS-127-5.5	127	5.5	2300	4400	4125		FWS-225-18.5	280	18.5	2600	5700	4145
FWS-127-7.5	141	7.5	2300	4400	4125		FWS-225-22	295	22	2600	5700	4145
FWS-127-11	160	11	2300	4400	4125		FWS-225-30	323	30	2600	5700	4145
FWS-169-3.7	133	3.7	2600	4400	4125		FWS-225B-3.7	185	3.7	2600	5700	5030
FWS-169-5.5	152	5.5	2600	4400	4125		FWS-225B-5.5	214	5.5	2600	5700	5030
FWS-169-7.5	169	7.5	2600	4400	4125		FWS-225B-7.5	238	7.5	2600	5700	5030
FWS-169-11	192	11	2600	4400	4125		FWS-225B-11	271	11	2600	5700	5030
FWS-169-15	213	15	2600	4400	4125		FWS-225B-15	299	15	2600	5700	5030
FWS-169C-3.7	160	3.7	2600	4400	5453		FWS-225B-18.5	318	18.5	2600	5700	5030
FWS-169C-5.5	185	5.5	2600	4400	5453		FWS-225B-22	337	22	2600	5700	5030
FWS-169C-7.5	200	7.5	2600	4400	5453		FWS-225B-30	371	30	2600	5700	5030
FWS-169C-11	230	11	2600	4400	5453		FWS-225D-3.7	204	3.7	2600	5700	5915
FWS-169C-15	255	15	2600	4400	5453		FWS-225D-5.5	233	5.5	2600	5700	5915
FWS-200-3.7	150	3.7	2600	4600	4145		FWS-225D-7.5	261	7.5	2600	5700	5915
FWS-200-5.5	170	5.5	2600	4600	4145		FWS-225D-11	295	11	2600	5700	5915
FWS-200-7.5	190	7.5	2600	4600	4145		FWS-225D-15	328	15	2600	5700	5915
FWS-200-11	215	11	2600	4600	4145		FWS-225D-18.5	352	18.5	2600	5700	5915
FWS-200-15	235	15	2600	4600	4145		FWS-225D-22	371	22	2600	5700	5915
FWS-200-18.5	250	18.5	2600	4600	4145		FWS-225D-30	409	30	2600	5700	5915
FWS-200-22	265	22	2600	4600	4145		FWS-225F-3.7	223	3.7	2600	5700	6800
FWS-200-30	295	30	2600	4600	4145		FWS-225F-5.5	252	5.5	2600	5700	6800
FWS-200C-3.7	185	3.7	2600	4600	5453		FWS-225F-7.5	280	7.5	2600	5700	6800
FWS-200C-5.5	210	5.5	2600	4600	5453		FWS-225F-11	318	11	2600	5700	6800
FWS-200C-7.5	230	7.5	2600	4600	5453		FWS-225F-15	352	15	2600	5700	6800
FWS-200C-11	265	11	2600	4600	5453		FWS-225F-18.5	375	18.5	2600	5700	6800
FWS-200C-15	290	15	2600	4600	5453		FWS-225F-22	394	22	2600	5700	6800
FWS-200C-18.5	310	18.5	2600	4600	5453		FWS-225F-30	437	30	2600	5700	6800
FWS-200C-22	330	22	2600	4600	5453		FWS-250-3.7	165	3.7	3200	4800	4345
FWS-200C-30	370	30	2600	4600	5453		FWS-250-5.5	190	5.5	3200	4800	4345
FWS-225-3.7	170	3.7	2600	5700	4145		FWS-250-7.5	210	7.5	3200	4800	4345

- 1/ CTI Certification applies to the operation with the Wet Bulb Temp. between 10  $^{\circ}$ C and 32.2  $^{\circ}$ C, Max. Entering Water Temp. 51.6  $^{\circ}$ C, Min. Range of 2.8  $^{\circ}$ C and Min. Approach of 2.8  $^{\circ}$ C.
- 2/ The nominal water flows are based upon 37 °C HWT, 32 °C CWT, 28 °C WBT, 32 °C DBT and 101.3 kPa Barometric pressure.
- 3/ Data and specifications are subjected to change without prior notice.



Model	Water Flow	Fan Power	Width	Length	Height	Model	Water Flow	Fan Power	Width	Length	Height
	m³/hr	kW	mm	mm	mm		m³/hr	kW	mm	mm	mm
FWS-250-11	240	11	3200	4800	4345	FWS-275-7.5	225	7.5	3200	5200	4145
FWS-250-15	265	15	3200	4800	4345	FWS-275-11	255	11	3200	5200	4145
FWS-250-18.5	285	18.5	3200	4800	4345	FWS-275-15	285	15	3200	5200	4145
FWS-250-22	300	22	3200	4800	4345	FWS-275-18.5	305	18.5	3200	5200	4145
FWS-250-30	330	30	3200	4800	4345	FWS-275-22	325	22	3200	5200	4145
FWS-250-37	350	37	3200	4800	4345	FWS-275-30	360	30	3200	5200	4145
FWS-250B-3.7	190	3.7	3200	4800	5230	FWS-275-37	385	37	3200	5200	4145
FWS-250B-5.5	215	5.5	3200	4800	5230	FWS-275D-5.5	270	5.5	3200	5200	5915
FWS-250B-7.5	240	7.5	3200	4800	5230	FWS-275D-7.5	300	7.5	3200	5200	5915
FWS-250B-11	275	11	3200	4800	5230	FWS-275D-11	340	11	3200	5200	5915
FWS-250B-15	305	15	3200	4800	5230	FWS-275D-15	380	15	3200	5200	5915
FWS-250B-18.5	325	18.5	3200	4800	5230	FWS-275D-18.5	405	18.5	3200	5200	5915
FWS-250B-22	345	22	3200	4800	5230	FWS-275D-22	430	22	3200	5200	5915
FWS-250B-30	380	30	3200	4800	5230	FWS-275D-30	475	30	3200	5200	5915
FWS-250B-37	405	37	3200	4800	5230	FWS-275D-37	510	37	3200	5200	5915
FWS-250D-3.7	215	3.7	3200	4800	6115	FWS-275F-5.5	295	5.5	3200	5200	6800
FWS-250D-5.5	245	5.5	3200	4800	6115	FWS-275F-7.5	325	7.5	3200	5200	6800
FWS-250D-7.5	270	7.5	3200	4800	6115	FWS-275F-11	370	11	3200	5200	6800
FWS-250D-11	305	11	3200	4800	6115	FWS-275F-15	410	15	3200	5200	6800
FWS-250D-15	340	15	3200	4800	6115	FWS-275F-18.5	440	18.5	3200	5200	6800
FWS-250D-18.5	360	18.5	3200	4800	6115	FWS-275F-22	465	22	3200	5200	6800
FWS-250D-22	385	22	3200	4800	6115	FWS-275F-30	515	30	3200	5200	6800
FWS-250D-30	425	30	3200	4800	6115	FWS-275F-37	550	37	3200	5200	6800
FWS-250D-37	455	37	3200	4800	6115	FWS-300-5.5	215	5.5	3200	6000	4345
FWS-250F-3.7	230	3.7	3200	4800	7000	FWS-300-7.5	235	7.5	3200	6000	4345
FWS-250F-5.5	260	5.5	3200	4800	7000	FWS-300-11	270	11	3200	6000	4345
FWS-250F-7.5	290	7.5	3200	4800	7000	FWS-300-15	300	15	3200	6000	4345
FWS-250F-11	325	11	3200	4800	7000	FWS-300-18.5	320	18.5	3200	6000	4345
FWS-250F-15	360	15	3200	4800	7000	FWS-300-22	340	22	3200	6000	4345
FWS-250F-18.5	385	18.5	3200	4800	7000	FWS-300-30	375	30	3200	6000	4345
FWS-250F-22	410	22	3200	4800	7000	FWS-300-37	405	37	3200	6000	4345
FWS-250F-30	455	30	3200	4800	7000	FWS-330-5.5	235	5.5	3200	6300	4145
FWS-250F-37	485	37	3200	4800	7000	FWS-330-7.5	260	7.5	3200	6300	4145
FWS-275-5.5	205	5.5	3200	5200	4145	FWS-330-11	300	11	3200	6300	4145

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Model	Water Flow	Fan Power	Width	Width Length Heigh		Model	Water Flow	Fan Power	Width	Length	Height
	m <sup>3</sup> /hr	kW	mm	mm	mm		m³/hr	kW	mm	mm	mm
FWS-330-15	330	15	3200	6300	4145	FWS-350D-18.5	415	18.5	3600	5400	6310
FWS-330-18.5	350	18.5	3200	6300	4145	FWS-350D-22	445	22	3600	5400	6310
FWS-330-22	375	22	3200	6300	4145	FWS-350D-30	485	30	3600	5400	6310
FWS-330-30	415	30	3200	6300	4145	FWS-350D-37	520	37	3600	5400	6310
FWS-330-37	445	37	3200	6300	4145	FWS-350D-45	555	45	3600	5400	6310
FWS-330D-5.5	310	5.5	3200	6300	5915	FWS-350F-5.5	300	5.5	3600	5400	7195
FWS-330D-7.5	345	7.5	3200	6300	5915	FWS-350F-7.5	330	7.5	3600	5400	7195
FWS-330D-11	390	11	3200	6300	5915	FWS-350F-11	380	11	3600	5400	7195
FWS-330D-15	430	15	3200	6300	5915	FWS-350F-15	415	15	3600	5400	7195
FWS-330D-18.5	460	18.5	3200	6300	5915	FWS-350F-18.5	450	18.5	3600	5400	7195
FWS-330D-22	490	22	3200	6300	5915	FWS-350F-22	480	22	3600	5400	7195
FWS-330D-30	540	30	3200	6300	5915	FWS-350F-30	520	30	3600	5400	7195
FWS-330D-37	580	37	3200	6300	5915	FWS-350F-37	560	37	3600	5400	7195
FWS-330F-5.5	335	5.5	3200	6300	6800	FWS-350F-45	595	45	3600	5400	7195
FWS-330F-7.5	370	7.5	3200	6300	6800	FWS-400-5.5	260	5.5	3600	6600	4345
FWS-330F-11	420	11	3200	6300	6800	FWS-400-7.5	285	7.5	3600	6600	4345
FWS-330F-15	465	15	3200	6300	6800	FWS-400-11	325	11	3600	6600	4345
FWS-330F-18.5	500	18.5	3200	6300	6800	FWS-400-15	360	15	3600	6600	4345
FWS-330F-22	525	22	3200	6300	6800	FWS-400-18.5	385	18.5	3600	6600	4345
FWS-330F-30	585	30	3200	6300	6800	FWS-400-22	410	22	3600	6600	4345
FWS-330F-37	625	37	3200	6300	6800	FWS-400-30	450	30	3600	6600	4345
FWS-350-5.5	250	5.5	3600	5400	5425	FWS-400-37	485	37	3600	6600	4345
FWS-350-7.5	275	7.5	3600	5400	5425	FWS-400-45	515	45	3600	6600	4345
FWS-350-11	315	11	3600	5400	5425	FWS-500-5.5	275	5.5	4200	6000	5355
FWS-350-15	350	15	3600	5400	5425	FWS-500-7.5	305	7 <b>.</b> 5	4200	6000	5355
FWS-350-18.5	375	18.5	3600	5400	5425	FWS-500-11	345	11	4200	6000	5355
FWS-350-22	400	22	3600	5400	5425	FWS-500-15	385	15	4200	6000	5355
FWS-350-30	440	30	3600	5400	5425	FWS-500-18.5	410	18.5	4200	6000	5355
FWS-350-37	470	37	3600	5400	5425	FWS-500-22	435	22	4200	6000	5355
FWS-350-45	505	45	3600	5400	5425	FWS-500-30	485	30	4200	6000	5355
FWS-350D-5.5	275	5.5	3600	5400	6310	FWS-500-37	520	37	4200	6000	5355
FWS-350D-7.5	305	7.5	3600	5400	6310	FWS-500-45	555	45	4200	6000	5355
FWS-350D-11	350	11	3600	5400	6310	FWS-500-55	595	55	4200	6000	5355
FWS-350D-15	385	15	3600	5400	6310	FWS-500D-5.5	305	5.5	4200	6000	6240

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Model	Water Flow	Fan Power	Width	Length	Height	Model	Water Flow	Fan Power	Width	Length	Height
	m <sup>3</sup> /hr	kW	mm	mm	mm		m <sup>3</sup> /hr	kW	mm	mm	mm
FWS-500D-7.5	340	7.5	4200	6000	6240	FWS-550D-22	500	22	3600	6600	6200
FWS-500D-11	385	11	4200	6000	6240	FWS-550D-30	550	30	3600	6600	6200
FWS-500D-15	425	15	4200	6000	6240	FWS-550D-37	595	37	3600	6600	6200
FWS-500D-18.5	455	18.5	4200	6000	6240	FWS-550D-45	635	45	3600	6600	6200
FWS-500D-22	480	22	4200	6000	6240	FWS-550D-55	675	55	3600	6600	6200
FWS-500D-30	535	30	4200	6000	6240	FWS-550F-5.5	340	5.5	3600	6600	7085
FWS-500D-37	575	37	4200	6000	6240	FWS-550F-7.5	375	7.5	3600	6600	7085
FWS-500D-45	615	45	4200	6000	6240	FWS-550F-11	425	11	3600	6600	7085
FWS-500D-55	655	55	4200	6000	6240	FWS-550F-15	475	15	3600	6600	7085
FWS-500F-5.5	330	5.5	4200	6000	7125	FWS-550F-18.5	515	18.5	3600	6600	7085
FWS-500F-7.5	365	7.5	4200	6000	7125	FWS-550F-22	540	22	3600	6600	7085
FWS-500F-11	415	11	4200	6000	7125	FWS-550F-30	595	30	3600	6600	7085
FWS-500F-15	460	15	4200	6000	7125	FWS-550F-37	640	37	3600	6600	7085
FWS-500F-18.5	495	18.5	4200	6000	7125	FWS-550F-45	685	45	3600	6600	7085
FWS-500F-22	520	22	4200	6000	7125	FWS-550F-55	725	55	3600	6600	7085
FWS-500F-30	575	30	4200	6000	7125	FWS-600-7.5	385	7.5	4200	7000	5460
FWS-500F-37	625	37	4200	6000	7125	FWS-600-11	435	11	4200	7000	5460
FWS-500F-45	665	45	4200	6000	7125	FWS-600-15	485	15	4200	7000	5460
FWS-500F-55	705	55	4200	6000	7125	FWS-600-18.5	520	18.5	4200	7000	5460
FWS-550-5.5	285	5.5	3600	6600	5315	FWS-600-22	550	22	4200	7000	5460
FWS-550-7.5	315	7.5	3600	6600	5315	FWS-600-30	610	30	4200	7000	5460
FWS-550-11	360	11	3600	6600	5315	FWS-600-37	650	37	4200	7000	5460
FWS-550-15	400	15	3600	6600	5315	FWS-600-45	695	45	4200	7000	5460
FWS-550-18.5	430	18.5	3600	6600	5315	FWS-600-55	745	55	4200	7000	5460
FWS-550-22	455	22	3600	6600	5315	FWS-600-75	830	75	4200	7000	5460
FWS-550-30	500	30	3600	6600	5315	FWS-600E-7.5	465	7.5	4200	7000	6790
FWS-550-37	535	37	3600	6600	5315	FWS-600E-11	525	11	4200	7000	6790
FWS-550-45	575	45	3600	6600	5315	FWS-600E-15	580	15	4200	7000	6790
FWS-550-55	615	55	3600	6600	5315	FWS-600E-18.5	620	18.5	4200	7000	6790
FWS-550D-5.5	315	5.5	3600	6600	6200	FWS-600E-22	655	22	4200	7000	6790
FWS-550D-7.5	345	7.5	3600	6600	6200	FWS-600E-30	725	30	4200	7000	6790
FWS-550D-11	395	11	3600	6600	6200	FWS-600E-37	780	37	4200	7000	6790
FWS-550D-15	440	15	3600	6600	6200	FWS-600E-45	830	45	4200	7000	6790
FWS-550D-18.5	475	18.5	3600	6600	6200	FWS-600E-55	885	55	4200	7000	6790

### Notes:

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Model	Water Flow	Fan Power	Width	Length	Height	Model	Water Flow	Fan Power	Width	Length	Height
	m <sup>3</sup> /hr	kW	mm	mm	mm		m <sup>3</sup> /hr	kW	mm	mm	mm
FWS-600E-75	980	75	4200	7000	6790	FWS-700F-18.5	730	18.5	5000	7000	7230
FWS-600F-7.5	485	7.5	4200	7000	7230	FWS-700F-22	770	22	5000	7000	7230
FWS-600F-11	550	11	4200	7000	7230	FWS-700F-30	855	30	5000	7000	7230
FWS-600F-15	610	15	4200	7000	7230	FWS-700F-37	915	37	5000	7000	7230
FWS-600F-18.5	650	18.5	4200	7000	7230	FWS-700F-45	985	45	5000	7000	7230
FWS-600F-22	685	22	4200	7000	7230	FWS-700F-55	1050	55	5000	7000	7230
FWS-600F-30	755	30	4200	7000	7230	FWS-700F-75	1170	75	5000	7000	7230
FWS-600F-37	815	37	4200	7000	7230	FWS-800-7.5	490	7.5	5000	7500	6400
FWS-600F-45	865	45	4200	7000	7230	FWS-800-11	555	11	5000	7500	6400
FWS-600F-55	925	55	4200	7000	7230	FWS-800-15	615	15	5000	7500	6400
FWS-600F-75	1025	75	4200	7000	7230	FWS-800-18.5	655	18.5	5000	7500	6400
FWS-700-7.5	455	7.5	5000	7000	5460	FWS-800-22	695	22	5000	7500	6400
FWS-700-11	515	11	5000	7000	5460	FWS-800-30	760	30	5000	7500	6400
FWS-700-15	570	15	5000	7000	5460	FWS-800-37	820	37	5000	7500	6400
FWS-700-18.5	610	18.5	5000	7000	5460	FWS-800-45	880	45	5000	7500	6400
FWS-700-22	645	22	5000	7000	5460	FWS-800-55	940	55	5000	7500	6400
FWS-700-30	720	30	5000	7000	5460	FWS-800-75	1050	75	5000	7500	6400
FWS-700-37	765	37	5000	7000	5460	FWS-800F-7.5	542	7.5	5000	7500	7285
FWS-700-45	815	45	5000	7000	5460	FWS-800F-11	621	11	5000	7500	7285
FWS-700-55	870	55	5000	7000	5460	FWS-800F-15	696	15	5000	7500	7285
FWS-700-75	965	75	5000	7000	5460	FWS-800F-18.5	747	18.5	5000	7500	7285
FWS-700E-7.5	525	7.5	5000	7000	6790	FWS-800F-22	805	22	5000	7500	7285
FWS-700E-11	595	11	5000	7000	6790	FWS-800F-30	880	30	5000	7500	7285
FWS-700E-15	660	15	5000	7000	6790	FWS-800F-37	950	37	5000	7500	7285
FWS-700E-18.5	700	18.5	5000	7000	6790	FWS-800F-45	1015	45	5000	7500	7285
FWS-700E-22	745	22	5000	7000	6790	FWS-800F-55	1085	55	5000	7500	7285
FWS-700E-30	830	30	5000	7000	6790	FWS-800F-75	1210	75	5000	7500	7285
FWS-700E-37	880	37	5000	7000	6790	FWS-900-7.5	610	7.5	5500	8300	7285
FWS-700E-45	940	45	5000	7000	6790	FWS-900-11	690	11	5500	8300	7285
FWS-700E-55	1005	55	5000	7000	6790	FWS-900-15	765	15	5500	8300	7285
FWS-700E-75	1115	75	5000	7000	6790	FWS-900-18.5	815	18.5	5500	8300	7285
FWS-700F-7.5	550	7.5	5000	7000	7230	FWS-900-22	870	22	5500	8300	7285
FWS-700F-11	620	11	5000	7000	7230	FWS-900-30	950	30	5500	8300	7285
FWS-700F-15	680	15	5000	7000	7230	FWS-900-37	1025	37	5500	8300	7285

- 1/ CTI Certification applies to the operation with the Wet Bulb Temp. between 10 °C and 32.2 °C, Max. Entering Water Temp. 51.6 °C, Min. Range of 2.8 °C and Min. Approach of 2.8 °C.
- 2/ The nominal water flows are based upon 37 °C HWT, 32 °C CWT, 28 °C WBT, 32 °C DBT and 101.3 kPa Barometric pressure.
- 3/ Data and specifications are subjected to change without prior notice.





Model	Water Flow	Fan Power	Width Length Height		Height	Model	Water Flow	Fan Power	Width	Length	Height
	m <sup>3</sup> /hr	kW	mm	mm	mm		m <sup>3</sup> /hr	kW	mm	mm	mm
FWS-900-45	1095	45	5500	8300	7285	FCS-180-11	205	11	2900	6000	3000
FWS-900-55	1170	55	5500	8300	7285	FCS-180-15	227	15	2900	6000	3000
FWS-900-75	1295	75	5500	8300	7285	FCS-180-18.5	243	18.5	2900	6000	3000
FWS-1000-7.5	650	7.5	6000	8300	7285	FCS-180-22	258	22	2900	6000	3000
FWS-1000-11	740	11	6000	8300	7285	FCS-220-5.5	175	5.5	3200	6000	3000
FWS-1000-15	820	15	6000	8300	7285	FCS-220-7.5	194	7.5	3200	6000	3000
FWS-1000-18.5	875	18.5	6000	8300	7285	FCS-220-11	220	11	3200	6000	3000
FWS-1000-22	935	22	6000	8300	7285	FCS-220-15	244	15	3200	6000	3000
FWS-1000-30	1025	30	6000	8300	7285	FCS-220-18.5	262	18.5	3200	6000	3000
FWS-1000-37	1105	37	6000	8300	7285	FCS-220-22	277	22	3200	6000	3000
FWS-1000-45	1180	45	6000	8300	7285	FCS-250-5.5	198	5.5	4000	6000	3000
FWS-1000-55	1260	55	6000	8300	7285	FCS-250-7.5	220	7.5	4000	6000	3000
FWS-1000-75	1395	75	6000	8300	7285	FCS-250-11	250	11	4000	6000	3000
FCS-130-2.2	87	2.2	2000	4400	3000	FCS-250-15	277	15	4000	6000	3000
FCS-130-4	103	3.7	2000	4400	3000	FCS-250-18.5	297	18.5	4000	6000	3000
FCS-130-5.5	117	5.5	2000	4400	3000	FCS-250-22	315	22	4000	6000	3000
FCS-130-7.5	130	7.5	2000	4400	3000	FCS-250-30	349	30	4000	6000	3000
FCS-130-11	148	11	2000	4400	3000	FCS-275-5.5	215	5.5	4600	6000	3000
FCS-130-15	164	15	2000	4400	3000	FCS-275-7.5	238	7.5	4600	6000	3000
FCS-145-2.2	97	2.2	2300	4600	3000	FCS-275-11	270	11	4600	6000	3000
FCS-145-4	115	3.7	2300	4600	3000	FCS-275-15	299	15	4600	6000	3000
FCS-145-5.5	131	5.5	2300	4600	3000	FCS-275-18.5	321	18.5	4600	6000	3000
FCS-145-7.5	145	7.5	2300	4600	3000	FCS-275-22	340	22	4600	6000	3000
FCS-145-11	165	11	2300	4600	3000	FCS-275-30	377	30	4600	6000	3000
FCS-145-15	183	15	2300	4600	3000	FCS-275-37	404	37	4600	6000	3000
FCS-165-4	120	3.7	2600	5000	3000	FCS-300-5.5	230	5.5	5200	6000	3000
FCS-165-5.5	137	5.5	2600	5000	3000	FCS-300-7.5	255	7.5	5200	6000	3000
FCS-165-7.5	152	7.5	2600	5000	3000	FCS-300-11	290	11	5200	6000	3000
FCS-165-11	173	11	2600	5000	3000	FCS-300-15	322	15	5200	6000	3000
FCS-165-15	192	15	2600	5000	3000	FCS-300-18.5	345	18.5	5200	6000	3000
FCS-165-18.5	206	18.5	2600	5000	3000	FCS-300-22	365	22	5200	6000	3000
FCS-180-4	142	3.7	2900	6000	3000	FCS-300-30	405	30	5200	6000	3000
FCS-180-5.5	162	5.5	2900	6000	3000	FCS-300-37	434	37	5200	6000	3000
FCS-180-7.5	180	7.5	2900	6000	3000						

### Notes:

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### Hong Kong & Macau



Ritz Carlton Hotel Hong Kong FWS-700-37-GI x 4



Kai Tak District Cooling Plant Hong Kong FWS-800-55-SS x 10



Global Switch Data Centre Hong Kong FWS-800F-55-AF x 2 FWS-600-30-AF-2 x 5



Hong Kong Airlines Training Centre Hong Kong FWS-700-37-GI x 2 FWS-330-22-GI x 3



Midfield Concourse Hong Kong International Airport FWS-800-55-GI x 5

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Racecourse District Cooling System Shatin Hong Kong FWS-250-11-SS-2 x 2 FWS-275-15-SS-3 x 2



Hong Kong Sanatorium and Hospital Hong Kong FWS-330-22-AF/SLF x 4



China Mobile Data Centre Hong Kong FWS-330-22-AS x 7



Studio City

Macau

FWS-800-37-AGI-3 x 6



Lisboa Palace Macau FWS-700-37-AG-3 x 7



Galaxy Casino & Resort PII Macau FWS-700-37-GI x 4 FWS-600-15-GI-4 x 7



Theme Park Macau FWS-800F-55-SS/SLF-2 x 5



### China & Overseas



International Commerce Centre Nanjing China FWS-800-45-GI x 11 FWS-600-22-GI x 3 FWS-400-22-GI x 3



Hongkong-Zhuhai-Macau Bridge China FWS-700-37-GI x 7



Spring City 66 Kunming China FWS-350-22-SS x 15

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Horse race Training Centre
Hong Kong Jockey Club
Conghua China
FWS-700-37-GI x 3
FWS-127-11-GI x2



DPT Electronics Co Ltd Dongguan China FWS-500-22-GI x 7



Heyuan Shopping Mall GuangDong China FWS-800-22-GI x 9 FWS-400-22-GI x 3



Bridgestone America Tire Operation North Carlina USA FWS-800-22-GI x 5

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Misr University for Science &Technology Cairo Egypt FWS-800-45-GI x 4



Central Pumping Station Kuwait FWS-500-22-AF x 4



Asian Hotel Sri Lanka FWS-169-7.5-GI x 4



Agana Shopping Mall Saipan FWS-500-22-GI x 3



Winery Factory
Chile
FWS-169-15-SS x 1



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