

# FVS

SERIES

Single Intake Vertical Discharge Type



# FEATURES

## ATTRIBUTES OF FVS SERIES

### \* Flexibility

The vertical discharge design is a nice complement to our FRS series. They can be arranged on site flexibly to meet various heat rejection requirements.

### \* Structure

Either stainless steel or galvanized steel framework can assure reliable tower body and prolonged durability.

### \* Transmission

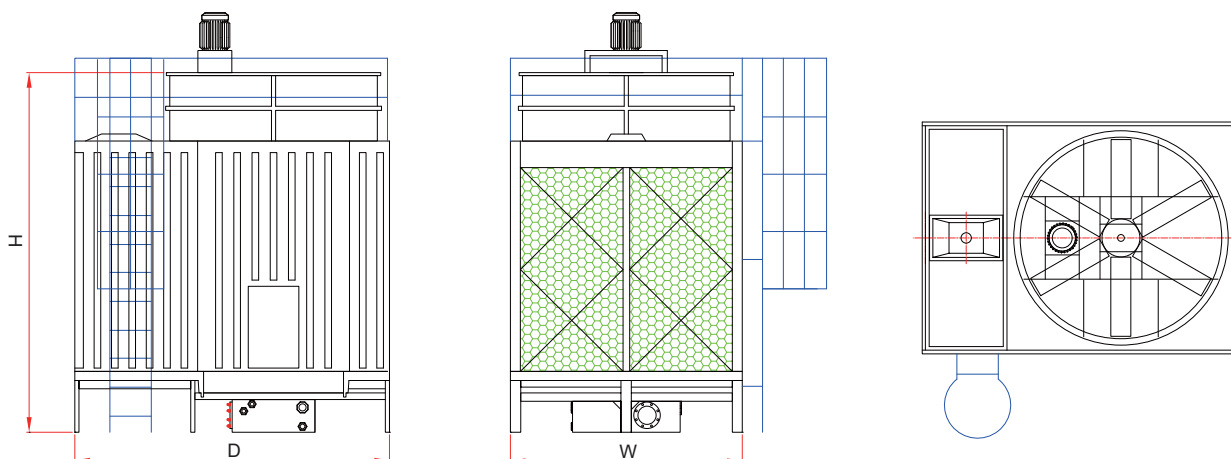
Taking advantage of the sophisticated experience that RYOWO cherishes in transmission system design, both gear drive and belt drive are available upon request.

### \* Maintenance

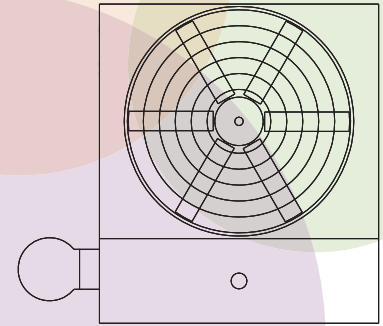
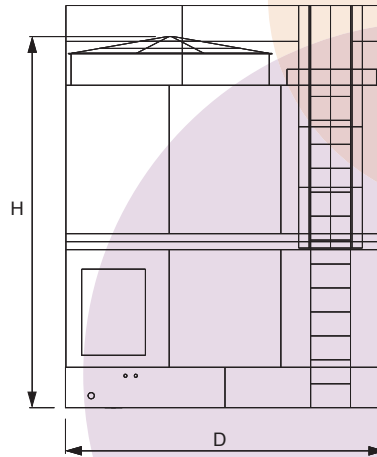
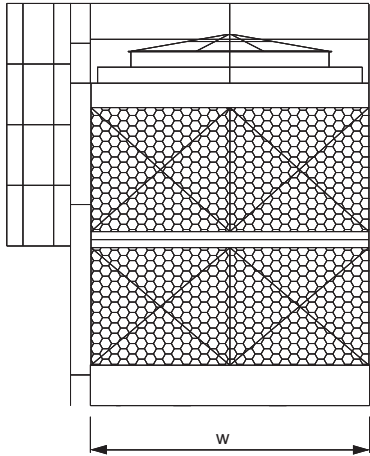
FVS series extends the gene originated from cross flow cooling towers, that is, easy to implement the maintenance work.



## TOWER SCHEMATIC



FVS-110 ~ FVS-245



FVS-310 ~ FVS-560

## SPECIFICATION

### Power

Model	Nominal Water Flow M <sup>3</sup> /hr	Dimension			Fan Power kW	Fan Dia mm	Piping				
		W mm	D mm	H mm			In mm	Out mm	Fv mm	Of mm	Dr mm
FVS-110	117	2800	3800	4343	5.5	2500	150	150	25	50	50
FVS-120	129	2800	3800	4343	7.5	2500	150	150	25	50	50
FVS-130	147	2800	3800	4343	11	2500	200	200	25	50	50
FVS-140	161	2800	3800	4343	15	2500	200	200	40	75	50
FVS-150	174	2800	3800	4343	18.5	2500	200	200	40	75	50
FVS-215	140	3200	3800	4343	7.5	2500	150	150	25	50	50
FVS-225	161	3200	3800	4343	11	2500	200	200	40	75	50
FVS-235	176	3200	3800	4343	15	2500	200	200	40	75	50
FVS-245	187	3200	3800	4343	18.5	2500	200	200	40	75	50
FVS-310	188	3200	3800	4650	11	2500	200	200	40	75	50
FVS-320	210	3200	3800	4650	15	2500	200	200	40	75	50
FVS-330	226	3200	3800	4650	18.5	2500	250	250	50	75	50
FVS-340	240	3200	3800	4650	22	2500	250	250	50	75	50
FVS-410	220	3500	4000	4650	11	2500	200	200	40	75	50
FVS-420	243	3500	4000	4650	15	2500	200	200	40	75	50
FVS-430	263	3500	4000	4650	18.5	2500	250	250	50	75	50
FVS-440	277	3500	4000	4650	22	2500	250	250	50	75	50
FVS-450	306	3500	4000	4650	30	2500	250	250	50	75	50
FVS-520	265	3500	4000	4650	15	2800	250	250	50	75	50
FVS-530	282	3500	4000	4650	18.5	2800	250	250	50	75	50
FVS-540	302	3500	4000	4650	22	2800	250	250	50	75	50
FVS-550	335	3500	4000	4650	30	2800	250	250	50	75	50
FVS-560	362	3500	4000	4650	37	2800	250	250	50	75	50

# MODEL SELECTION

Model	Temp.	Water flow rate at indicated HWT, CWT & WBT ( M <sup>3</sup> /Hr )																
	HWT °C	32	33	33	34	35	37	35	36	37	36	37	38	37	37	38	38	39
	CWT °C	27	28	28	29	30	32	30	31	32	31	32	33	34	32	33	33	34
	WBT °C	23	23	24	25	25	25	26	26	26	27	27	27	28	28	28	29	29
FVS-110		90	110	95	100	122	169	105	128	152	111	135	161	252	117	142	123	150
FVS-120		100	121	105	110	134	186	116	141	168	122	149	177	278	129	157	136	166
FVS-130		113	138	119	126	153	212	132	161	192	139	170	202	317	147	179	155	189
FVS-140		124	151	131	138	168	232	145	177	210	153	186	221	347	161	196	170	207
FVS-150		134	163	141	149	181	251	157	191	227	165	201	239	375	174	212	183	223
FVS-215		108	132	114	120	146	202	126	153	182	133	162	192	301	140	170	148	180
FVS-225		124	151	131	138	168	232	145	176	210	153	186	221	346	161	196	170	207
FVS-235		136	165	143	150	183	254	158	193	229	167	203	242	379	176	214	186	226
FVS-245		144	176	152	160	195	270	168	205	244	177	216	257	402	187	228	197	240
FVS-310		145	176	153	161	195	269	169	206	244	178	217	257	399	188	228	198	240
FVS-320		162	197	171	180	218	301	189	230	272	199	242	287	446	210	255	221	269
FVS-330		175	212	184	193	235	324	204	247	293	214	260	308	480	226	274	238	289
FVS-340		186	225	195	205	249	344	216	262	311	228	276	328	509	240	291	253	307
FVS-410		171	206	179	189	228	312	198	240	283	209	252	298	458	220	266	232	280
FVS-420		188	228	198	208	252	345	219	265	313	231	279	329	506	243	294	256	309
FVS-430		204	246	214	225	272	373	237	287	338	250	302	356	548	263	318	277	335
FVS-440		215	259	226	237	287	393	250	302	356	263	318	375	577	277	335	292	353
FVS-450		237	287	249	262	317	434	276	334	394	291	351	414	637	306	370	322	389
FVS-520		206	248	216	227	274	375	239	289	340	252	304	358	549	265	320	279	337
FVS-530		219	264	230	242	292	399	254	307	362	268	323	381	585	282	340	297	358
FVS-540		234	283	246	259	313	428	273	329	388	287	346	408	626	302	364	318	384
FVS-550		260	314	273	287	347	474	302	365	430	318	384	453	695	335	404	353	426
FVS-560		281	339	295	310	375	512	327	394	465	344	415	489	751	362	437	381	460

CTI Certification applies to operation with the Wet Bulb Temperature between 12.8°C and 32.2°C,  
 Max. Entering Water Temperature 51.7°C .  
 Min. Temperature Range of 2.2°C and Min. Temperature Approach of 2.8°C .

## RYOWO (HOLDING) CO., LTD.

### Head Office:

Room 1908, Nathan Road 700 Mong Kok, Kowloon HongKong.

Tel : (852) 23918381  
 Fax : (852) 27893802

Web site : <http://www.ryowo.com>  
 E-mail : [ryinfo@ryowo.com](mailto:ryinfo@ryowo.com)

## DONGGUAN RYOWO COOLING TOWER CO., LTD.

No.263 MeiJing Road West,Dalang,Dongguan,Guangdong,PRC

Tel : (86)-769 89399698  
 Fax : (86)-769 82973398

(86)-769 89399699  
 Postal Code: 523795



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