

**ORIFEN**

T a h v i e h

**2021**

**Fancoil**



WESTEN  
AIR

AIR CONDITIONER Systems



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*An idea For A Better Tomorrow*

# WESTEN AIR

## AIR CONDITIONER Systems

An idea For A Better Tomorrow

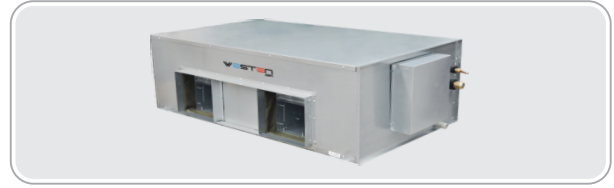


### Brand Story

در اکثر مناطق جهان ورزش بادهای از جهت غرب، برای تهویه طبیعی منطقه جغرافیایی در جریان است، این بادهای غربی بین عرض جغرافیایی ۳۰ تا ۶۰ درجه شمالی و جنوبی و در جهت چرخش زمین می وزند. وستن (Westen) در زبان آلمانی به معنی غرب و ایر (Air conditioner) به معنی تهویه مطبوع می باشند و نماد ورزش بادهای دلپذیر غربی و تهویه مطبوع طبیعی در جهان است وستن ایر (Westen Air) برگرفته از فرآیندی است که ایده نو را جهت زندگی سبزتر فردای شما، فراهم می کند.

# High ESP Ducted Fan coil

Cooling  
Heating



## High ESP Ducted Fan Coil

## فن کویل کانالی

Model			WDF800P1/H	WDF1000P1/H	WDF1200P1/H	WDF1600P1/H	WDF1800P1/H	WDF2000P1/H
Air Volume	High speed	CFM	744	888	1130	1465	1732	2282
	Medium Speed	CFM	600	715	905	1170	1390	1823
	Low Speed	CFM	480	570	724	940	1112	1462
Cooling Capacity	High speed	W	8290	9870	12040	15930	19110	24260
	Medium Speed	W	6640	7900	9630	12750	15290	19390
	Low Speed	W	5300	6310	7700	10200	12220	15530
Heating Capacity	High speed	W	12370	15190	19600	24560	28660	39470
	Medium Speed	W	9890	12510	15680	19650	22930	31580
	Low Speed	W	7910	9720	12540	15730	18340	25290
External Static Pressure		Pa	130	130	130	130	130	130
Rows of Coil			3	3	3	3	3	3
Noise Level		db	≤48	≤48	≤48	≤48	≤48	≤48
Fan Motor	Fan Quantity		1	1	1	2	2	2
	Motor Quantity		1	1	1	1	2	2
	Power Input	W	280	370	600	700	750	1200
Water Flow Volume		m3/h	1.6	1.88	2.39	3.08	3.65	4.5
hydraulic Resistance		kPa	6	14	25	25	25	25
Max Working Pressure		MPa	1.6	1.6	1.6	1.6	1.6	1.6
Dimension	Net	mm	860x770x430	860x770x430	960x770x430	1100x770x430	1260x770x430	1560x770x430
(WxDxH)	Packing	mm	940x855x460	940x855x460	1040x855x460	1210x855x460	1432x920x522	1722x920x522
Net/Gross Weight		Kg	50/55	50/55	51/61	65/74	76/93	94/122
Inlet/Outlet Water Pipe			Rc1" (DN25)					
Drain Pipe			R1" (DN25)			R 1 1/2" (DN40)		

# Wall Mounted FanCoil

Cooling  
Heating



## Wall Mounted Fan Coil

## فن کویل دیواری

Model			WWF300P1	WWF400P1	WWF600P1	WWF800P1
Air Volume	High speed	CFM	300	400	600	800
	Medium Speed	CFM	225	300	450	600
	Low Speed	CFM	150	200	300	400
Cooling Capacity	High speed	W	2712	3618	5406	7210
	Medium Speed	W	2305	3075	4595	6129
	Low Speed	W	1763	2352	3514	4687
Heating Capacity	High speed	W	4070	5418	8155	10807
	Medium Speed	W	3460	4605	6989	9186
	Low Speed	W	2646	3522	5257	7025
Noise Level		db(A)	42/39/36	43/40/37	47/43/40	49/45/41
Fan Motor	Fan Quantity		1	1	1	1
	Motor Quantity		1	1	1	1
	Power Input	W	52	62	96	134
Water Flow Volume		m3/h	0.61	0.8	1.08	1.39
hydraulic Resistance		kPa	30	30	40	40
Max Working Pressure		MPa	1.6	1.6	1.6	1.6
Dimension	Net(body)	mm	850x300x198	850x300x198	970x315x235	1100x330x235
(WxDxH)	Packing(body)	mm	885x360x270	885x360x270	1010x380x300	1140x390x300
Weight	Net/Gross Weight(body)	Kg	11/12.5	12.6/14.5	16/18	20/23
Inlet/Outlet Water Pipe				R1/2" (DN15)		
Drain Pipe				R1/2" (DN15)		

# 4 Way Cassette Type Fancoil Unit

Cooling  
Heating



## Four-Way Cassette Fan Coil

## فن کویل کاستی چهار طرفه

Model			W4WF300P1	W4WF400P1
Air Volume	High speed	CFM	300	400
	Medium Speed	CFM	225	300
	Low Speed	CFM	150	200
Cooling Capacity	High speed	W	2712	3618
	Medium Speed	W	2305	3075
	Low Speed	W	1763	2352
Heating Capacity	High speed	W	4070	5418
	Medium Speed	W	3460	4605
	Low Speed	W	2646	3522
Noise Level		db(A)	≤39	≤40
Fan Motor	Fan Quantity		1	1
	Motor Quantity		1	1
	Power Input	W	55	58
Water Flow Volume		m3/h	0.62	0.7
hydraulic Resistance		kPa	26	27
Max Working Pressure		MPa	1.6	1.6
Dimension (WxDxH)	Net(body)	mm	570x570x260	570x570x260
	Packing(body)	mm	650x650x290	650x650x290
	Net(panel)	mm	650x650x55	650x650x55
	Packing(panel)	mm	710x710x80	710x710x80
Weight	Net/Gross (body)	Kg	21.5/24.5	22/25
	Net/Gross (panel)	Kg	3/5	3/5
Inlet/Outlet Water Pipe			Rc3/4" (DN20)	
Drain Pipe			R3/4" (DN20)	

# 4 Way Cassette Type Fancoil Unit

Cooling  
Heating



## Four-Way Cassette Fan Coil

## فن کویل کاستی چهار طرفه

Model			W4WF600P1	W4WF800P1	W4WF1000P1	W4WF1200P1	W4WF1400P1
Air Volume	High speed	CFM	600	800	1000	1200	1400
	Medium Speed	CFM	450	600	750	900	1050
	Low Speed	CFM	300	400	500	600	700
Cooling Capacity	High speed	W	5406	7210	9018	10810	12611
	Medium Speed	W	4595	6129	7665	9189	10719
	Low Speed	W	3514	4687	5862	7027	8197
Heating Capacity	High speed	W	8115	10807	13512	16205	18901
	Medium Speed	W	6898	9186	11485	13774	16066
	Low Speed	W	5275	7025	8783	10553	12286
Noise Level		db(A)	≤44	≤45	≤48	≤50	≤51
Fan Motor	Fan Quantity		1	1	1	1	1
	Motor Quantity		1	1	1	1	1
	Power Input	W	96	134	165	189	225
Water Flow Volume		m <sup>3</sup> /h	1.15	1.4	1.68	1.82	2.25
hydraulic Resistance		kPa	31	34	36	39	44
Max Working Pressure		MPa	1.6	1.6	1.6	1.6	1.6
Dimension (WxDxH)	Net(body)	mm	835x835x250	835x835x250	835x835x290	835x835x290	835x835x290
	Packing(body)	mm	910x910x310	910x910x310	910x910x350	910x910x350	910x910x350
	Net(panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross (body)	Kg	24.5/28	25.5/29	26.5/31	28/32.5	28/32.5
	Net/Gross (panel)	Kg	5/7	5/7	5/7	5/7	5/7
Inlet/Outlet Water Pipe			Rc3/4" (DN20)				
Drain Pipe			R3/4" (DN20)				

# 1 Way Cassette Type Fancoil Unit

Cooling  
Heating



## One-Way Cassette Fan Coil

## فن کویل کاستی یک طرفه

Model			W1WF300P1	W1WF400P1	W1WF500P1
Air Volume	High speed	CFM	300	400	500
	Medium Speed	CFM	224	303	388
	Low Speed	CFM	153	200	253
Cooling Capacity	High speed	W	2700	3600	4500
	Medium Speed	W	2460	3000	3715
	Low Speed	W	2057	2479	2920
Heating Capacity	High speed	W	4050	5400	6750
	Medium Speed	W	2770	3935	4900
	Low Speed	W	1774	2800	3505
Noise Level		db(A)	39/36/32	41/38/34	43/39/35
Fan Motor	Fan Quantity		1	1	1
	Motor Quantity		1	1	1
	Power Input	W	52	62	76
Water Flow Volume		m3/h	0.46	0.62	0.77
hydraulic Resistance		kPa	10.8	20	20
Max Working Pressure		MPa	1.6	1.6	1.6
Dimension (WxDxH)	Net(body)	mm	850x400x235	850x400x235	850x400x235
	Packing(body)	mm	1040x478x310	1040x478x310	1040x478x310
	Net(panel)	mm	1040x470x18	1040x470x18	1040x470x18
	Packing(panel)	mm	1055x515x175	1055x515x175	1055x515x175
Weight	Net/Gross (body)	Kg	22/26	23/27	23/27
	Net/Gross (panel)	Kg	4/6	4/6	4/6
Inlet/Outlet Water Pipe				Rc3/4" (DN20)	
Drain Pipe				R3/4" (DN20)	



# Ceiling & Floor Fancoil

Cooling  
Heating



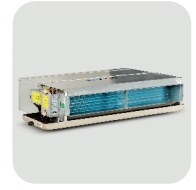
## Ceiling & Floor Fan Coil

## فن کویل سقفی - زمینی

Model			WFF400P1	WFF600P1	WFF800P1	WFF1000P1
Air Volume	High speed	CFM	400	600	800	1000
	Medium Speed	CFM	300	450	600	750
	Low Speed	CFM	200	300	400	500
Cooling Capacity	High speed	W	3600	5406	7210	9000
	Medium Speed	W	3075	4595	6129	7665
	Low Speed	W	2352	3514	4687	5862
Heating Capacity	High speed	W	5418	8115	10807	13512
	Medium Speed	W	4605	6898	9186	11485
	Low Speed	W	3522	5275	7025	8786
Noise Level		db(A)	≤42	≤48	≤48	≤50
Fan Motor	Fan Quantity		2	3	3	4
	Motor Quantity		1	1	1	1
	Power Input	W	78	117	190	230
Water Flow Volume		m3/h	0.62	0.98	1.25	1.58
hydraulic Resistance		kPa	16	22	30	44
Max Working Pressure		MPa	1.6	1.6	1.6	1.6
Dimension	Net	mm	929x660x205	1280x660x205	1280x660x205	1631x660x205
(WxDxH)	Packing	mm	1010x720x290	1360x720x290	1360x720x290	1710x720x290
Weight	Net/Gross Weight	Kg	24/27	30/35	33/38	44/50
Inlet/Outlet Water Pipe				Rc3/4" (DN20)	RC 1/2"(DN15)	
Drain Pipe				R3/4" (DN20)		

# Horizontal Concealed Fancoil

Cooling  
Heating



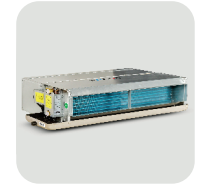
## Horizontal Concealed Fan Coil

## فن کویل سقفی توکار

Model			WDF300P1	WDF400P1	WDF600P1
Air Volume	High speed	CFM	300	400	600
	Medium Speed	CFM	225	300	450
	Low Speed	CFM	150	200	300
Cooling Capacity	High speed	W	2700	3600	5400
	Medium Speed	W	2305	3075	4595
	Low Speed	W	1763	2352	3514
Heating Capacity	High speed	W	4050	5400	8100
	Medium Speed	W	3460	4605	6898
	Low Speed	W	2646	3522	5275
External Static Pressure		Pa	12/30	12/30	12/30
Rows of Coil			3	3	3
Noise Level		db	≤42	≤44	≤47
Fan Motor	Fan Quantity		2	2	2
	Motor Quantity		1	1	1
	Power Input	W	52/59	62/72	96/108
Water Flow Volume		m <sup>3</sup> /h	0.61	0.8	1.08
hydraulic Resistance		kPa	30	30	40
Max Working Pressure		MPa	1.6	1.6	1.6
Dimension	Net	mm	894x518x240	894x518x240	1129x518x240
(WxDxH)	Packing	mm	915x545x260	915x545x260	1150x545x260
Net/Gross Weight		Kg	16.4/18.9	16.8/19.4	20.2/23.7
Inlet/Outlet Water Pipe			Rc3/4" (DN20)		
Drain Pipe			R3/4" (DN20)		

# Horizontal Concealed Fancoil

Cooling  
Heating



## Horizontal Concealed Fan Coil

## فن کویل سقفی توکار

Model			WDF800P1	WDF1000P1	WDF1200P1	WDF1400P1
Air Volume	High speed	CFM	800	1000	1200	1400
	Medium Speed	CFM	600	750	1050	1050
	Low Speed	CFM	400	500	600	700
Cooling Capacity	High speed	W	7200	9000	10800	12600
	Medium Speed	W	6129	7665	9189	10719
	Low Speed	W	4687	5862	7027	8197
Heating Capacity	High speed	W	10800	13500	16200	18900
	Medium Speed	W	9186	11485	13774	16066
	Low Speed	W	7025	8783	10533	12286
External Static Pressure		Pa	12/30	12/30	12/30	12/30
Rows of Coil			3	3	3	3
Noise Level		db	≤48	≤50	≤52	≤54
Fan Motor	Fan Quantity		3	4	4	4
	Motor Quantity		1	1	1	1
	Power Input	W	156/173	174/210	212/249	253/300
Water Flow Volume		m3/h	1.39	1.56	1.92	2.25
hydraulic Resistance		kPa	40	40	40	50
Max Working Pressure		MPa	1.6	1.6	1.6	1.6
Dimension	Net	mm	1319x518x240	1619x518x240	1719x518x240	1909x518x240
(WxDxH)	Packing	mm	1340x545x260	1640x545x260	1740x545x260	1930x545x260
Net/Gross Weight		Kg	26/30	31.3/35.8	33.4/38	35.6/41.1
Inlet/Outlet Water Pipe				Rc3/4" (DN20)		
Drain Pipe				R3/4" (DN20)		



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