

# Product specification list

## Large-size series Denchoku

Large-flow-volume, high-pressure type with motor output from 0.75 to 45kW

Compared to V-belt drive types, footprint is reduced by approximately 50% and fewer consumables and accessories are used. In addition, belt tension adjustment is unnecessary.



Impeller type	Model	Schematic dimensions		Phase	Output (kW)	Maximum intake air temperature (°C)		Schematic weight (kg)
		Outlet (mm)	Intake (mm)			Standard type	Heat-resistant type	
Airfoil	K1D4	460×360	475	3	0.75-5.5	80	200	110-165
	K1D5	540×420	540	3	1.5-3.7	80	200	155-190
	K1D6	610×480	625	3	3.7-7.5	80	200	225-255
	K1D7	690×540	700	3	5.5-11	80	200	295-365
	K1D8	770×600	810	3	11-18.5	80	200	460-515
Turbo	K1D9	850×660	890	3	15-18.5	80	200	535-570
	T1D2	270×190	265	3	1.5-2.2	80	200	67-69
	T1D3	340×205	335	3	3.7-7.5	80	200	125-140
	T1D4	400×245	400	3	7.5-18.5	80	200	160-245
	T1D5	470×285	475	3	15-30	80	200	260-370
	T2D2	270×190	265	3	0.75-1.5	80	200	60-67
	T2D3	340×205	335	3	1.5-3.7	80	200	86-125
	T2D4	400×245	400	3	3.7-11	80	200	145-215
	T2D5	470×285	475	3	7.5-22	80	200	190-330
	T2D6	540×325	540	3	15-22	80	200	300-370
Turbo	B1D1	88×70	JIS 5K 150A	3	2.2-3.7	50	200	108-113
	B1D2	110×80	JIS 5K 200A	3	3.7-5.5	50	200	123-146
	B1D3	131×100	JIS 5K 200A	3	5.5-7.5	50	200	166-197
	B1D4	156×125	JIS 5K 200A	3	7.5-11	50	200	232-251
	B1D5	200×160	JIS 5K 250A	3	11-18.5	50	200	296-325
	B1D6	250×200	JIS 5K 300A	3	18.5-30	50	200	385-440
	B1D7	300×250	JIS 5K 300A	3	30-45	50	200	470-565
Sirocco	M2D1	230×180	240	3	0.75-1.5	80	200	48-55
	M2D2	300×240	325	3	0.75-5.5	80	200	68-120
	M2D3	380×300	400	3	1.5-15	80	200	97-225
	M2D4	460×360	475	3	3.7-11	80	200	170-255
	M2D5	540×420	540	3	7.5-18.5	80	200	275-355

## Vortex-type high-pressure series Gust blower (U2V type)

Low-drive-noise type with built-in high-performance silencer

Use of new impeller and large-size cooling fan enable operation in all regions down to closed. (Excluding some models that use outlets.)



Impeller type	Model	Phase	Output (kW)	Intake characteristics				Outlet characteristics				Maximum intake air temperature (°C)	Schematic weight (kg)
				50Hz		60Hz		50Hz		60Hz			
				Maximum flow volume (m³/min)	Maximum static pressure (kPa)	Maximum flow volume (m³/min)	Maximum static pressure (kPa)	Maximum flow volume (m³/min)	Maximum static pressure (kPa)	Maximum flow volume (m³/min)	Maximum static pressure (kPa)		
Vortex	U2V-07S	Single	0.07	0.45	4.00	0.52	5.40	0.45	4.20	0.52	5.60	40	6
	U2V-07T	3	0.07	0.45	4.00	0.52	5.40	0.45	4.20	0.52	5.60	40	6
	U2V-10S	Single	0.1	0.6	5.40	0.7	6.90	0.6	5.90	0.7	7.35	40	6.5
	U2V-10T	3	0.1	0.6	5.40	0.7	6.90	0.6	5.90	0.7	7.35	40	6.5
	U2V-20S	Single	0.2	0.7	7.60	0.8	9.30	0.7	8.15	0.8	9.80	40	8.5
	U2V-20T	3	0.2	0.7	7.60	0.8	9.30	0.7	8.15	0.8	9.80	40	8.5
	U2V-30S	Single	0.3	1.0	8.80	1.15	10.3	1.0	9.30	1.15	10.9	40	9
	U2V-30T	3	0.3	1.0	8.80	1.15	10.3	1.0	9.30	1.15	11.9	40	9
	U2V-40S	Single	0.4	1.1	11.8	1.3	14.2	1.1	14.2	1.3	15.7	40	17
	U2V-40T	3	0.4	1.1	12.7	1.3	16.1	1.1	15.7	1.3	17.2	40	15
	U2V-70S	Single	0.75	1.8	12.7	2.2	16.7	1.8	16.0	2.2	17.7	40	23
	U2V-70T	3	0.75	2.0	14.7	2.4	17.6	2.0	16.7	2.4	20.5	40	17
	U2V-150	3	1.5	3.3	16.2	4.0	21.1	3.3	19.6	4.0	22.6	40	26
U2V-220	3	2.2	4.2	19.6	5.0	23.5	4.2	21.6	5.0	24.5	40	35	

## Vortex-type high-pressure series Gust blower (U2S type)

Compact, lightweight, general-purpose type with excellent heat radiation and durability

Compact, lightweight type that achieves improved heat radiation and durability by using diecast aluminum for the casing and impeller. Dust-proof, jet-flow-proof motor construction conforms to IP55.



Impeller type	Model	Phase	Output (kW)	Intake characteristics				Outlet characteristics				Maximum intake air temperature (°C)	Schematic weight (kg)
				50Hz		60Hz		50Hz		60Hz			
				Maximum flow volume (m³/min)	Maximum static pressure (kPa)	Maximum flow volume (m³/min)	Maximum static pressure (kPa)	Maximum flow volume (m³/min)	Maximum static pressure (kPa)	Maximum flow volume (m³/min)	Maximum static pressure (kPa)		
Vortex	U2S-40T	3	0.4/0.5	1.3	13.0	1.6	15.5	1.3	15.0	1.6	16.5	40	10
	U2S-70T	3	0.6/0.85	2.4	14.5	2.9	14.0	2.4	12.5	2.9	13.0	40	15
	U2S-150	3	1.1/1.7	3.5	16.0	4.1	20.0	3.5	18.5	4.1	22.0	40	21
	U2S-220	3	2.2/3.5	5.0	16.0	6.0	24.0	5.0	20.0	6.0	23.0	40	35
	U2S-370	3	4.0/4.6	5.2	29.0	6.2	33.0	5.2	38.0	6.2	33.0	40	42
	U2S-750	3	7.5/8.6	7.8	22.0	9.2	24.0	7.8	27.0	9.2	27.0	40	75

## Series for stirring and circulation (Double volute)

For stirring and circulation. Heat-resistant type electric blower

With blower outlets at two locations, it can perform uniform stirring and circulation inside furnaces. Ideal for improving variations in temperature within furnaces or reducing the time necessary for heating and cooling.



Impeller type	Model	Schematic dimensions		Phase	Output (kW)	50Hz		60Hz		Maximum intake air temperature (°C)	Schematic weight (kg)
		Outlet (mm)	Intake (mm)			Maximum flow volume (m³/min)	Maximum static pressure (kPa)	Maximum flow volume (m³/min)	Maximum static pressure (kPa)		
Turbo	WE-04	120×99×2	125	3	0.4	19	1.10	22.5	1.55	300	29
	WE-07	130×99×2	150	3	0.75	25	1.25	29.5	1.75	300	31
	WE-15	155×104×2	170	3	1.5	38.5	1.65	45	2.35	300	46
	WE-22	170×104×2	170	3	2.2	45	2.00	52.5	2.85	300	52
	WE-37	200×114×2	200	3	3.7	71	2.55	83.5	3.65	300	72