

DEHUMIDIFYING DRYER

DFK-Z series



CHALLENGER DFK-Z series

Advanced Technology, Performance and Quality Stability UP

High Reliability

- Using SSR heating control, long service life, high-reliability
- CE certified



Interactive Human-computer Interface

- High definition capacitive touch screen
- Real-time monitoring of temperature, dew point (OP) and air flow (OP)
- Alarm history and other information can be displayed
- Visual interface and humanized operation

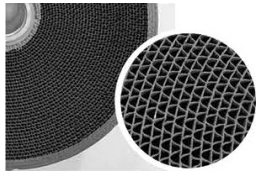


Weekly Calendar Timing Operation Function

- By time setting, it can be started and stopped repeatedly everyday within a week

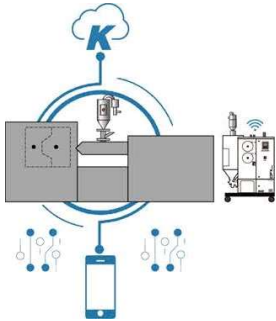
Lower Dew Point

- High performance crystalline zeolite honeycomb structure, producing low dew point air about -40°C
- Crystalline zeolite has a microporous structure, reducing heat deteriorating, which makes the service life longer and more stable
- It has high absorption efficiency even with high temp. air



Multi-functional Internet Of Things

- RS422/485 serial port, RJ4S Ethernet port
- Modbus-Rtu, SPI, Modbus-Top communication
- Reserved expansion communication port
- Connecting to KAWATA K-Cloud Platform(OP) For big data processing including remote monitoring and control, data statistics and analysis, machine life management(OP)
- Run data storage and export

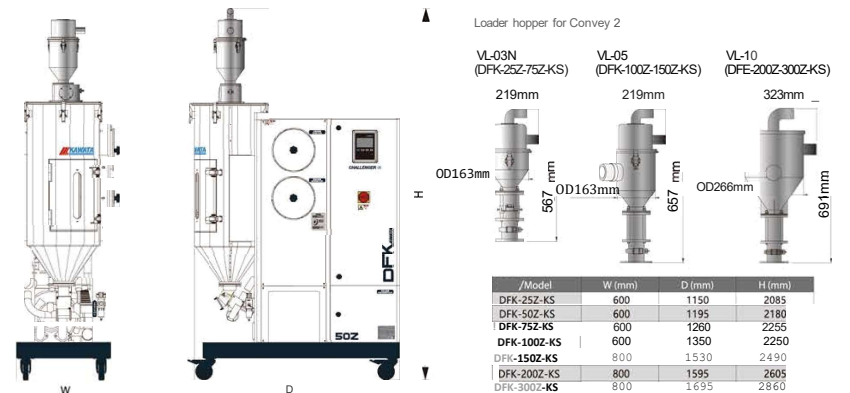


Specifications

Model	DFK-25Z-KS	DFK-50Z-KS	DFK-75Z-KS	DFK-100Z-KS	DFK-150Z-KS	DFK-200Z-KS	DFK-300Z-KS
/Air flow (m³/h)	35	50	80	110	145	220	
Dew point (°C)	-40 ※						
Drying temperature (°C)	80-160						
/Drying blower capacity (kW/50/60Hz)	0.17/0.28	0.28/0.42	0.55/0.85	1.3/1.9	2.3/3.4	3.3/5.0	
Regeneration heater capacity (kW)	2.4-2.9			2.7-3.3		4	
/Regeneration blower capacity (kW/50/60Hz)	0.17/0.28						
Desiccant chamber motor capacity (kW)	0.025						
Effective capacity (L)	42	84	125	167	250	333	500
Drying hopper inner material	25	50	75	100	150	200	300
Drying Hopper	SUS304						
/Drying heater capacity (kW)	2.4~2.9	2.7~3.3	4		6	9	
/Accessories	Circuiting air conveying, batch conveying, glass wool insulation						
/Primary hopper (Convey-1)	AL-05			AL-10			
Blower capacity (kW)(50/60Hz)	0.55/0.85		1.3/1.9				
/Secondary hopper (Convey-2)	VL-03N		VL-05		VL-10		
Main Breaker Capacity (380V, 415V/200V/220V)(A)	20/40		32/50		40/75		63/100
200-380V/415V 50-hz/60Hz (kW)	6.7/6.3/7.2	7.2/6.7/7.8	8.9/8.7/10		10.1/9.8/11.4	13.1/12.8/14.9	17.8/17.8/20.2
Compressed air requirement (L/min)	5 (0.4-0.6MPa)(Pipe size ID8mm)						
Cooling water volume (L/min)	No need						
Accessories	PVC Flexible hose ID38mm x 20m Suction pipe OD38 x 650mm x 1 Power supply cable 5m				PVC flexible Hose ID48mm Suction pipe OD48 x 650mm x 1		
Paint color	VSS part KN-93/K75-20D SUS part None						
Weight (kg)	250	265	285	305	415	500	590

※ The Dew point varies according to ambient air conditions.

Dimensions



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