

BACKWARD CENTRIFUGAL FAN



133FLW2/3

Certification   IP rating
IP44

Airflow: **270/330m³/h**
Dimensions(WxH): Ø93.5x76.8mm

- **Motor** Shaded Pole Motor
- **Impeller** PP+GF
- **Operation temperature and humidity range:**
-30 °C ~+55 °C (temperature) 0%~95% (humidity)
- **Protection** Impedance protected / Automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade B



Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
133FLW2	2019.001	220	50	1	23	0.11	2800	270	185	58	660	1.5/400
133FLW3	2019.002	380	50/60	1	34/35	0.13/0.14	2670	330	240	60	660	-

170FLW2/3

Certification   IP rating
IP44

Airflow: **450m³/h**
Dimensions(WxH): Ø175x69.1mm

- **Motor** Capacitor Start Induction Motor
- **Impeller** PA6+GF
- **Operation temperature and humidity range:**
-40 °C ~+80 °C (temperature) 0%~95% (humidity)
- **Protection** Impedance protected / Automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F



Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
170FLW2	2019.003	220	50	1	60	0.30	2400	450	275	56	1240	1.5/400
170FLW3	2019.004	380	50	1	60	0.20	2400	450	275	56	1240	-

190FLW2/3

Certification
 

IP rating
IP44

Airflow: **570/1170m³/h**
 Dimensions(WxH): Ø190x72mm



- **Motor** Capacitor Start Induction Motor
- **Impeller** PA6+GF
- **Operation temperature and humidity range:**
-40°C ~+80°C (temperature) 0%~95% (humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
190FLW2	2019.005	220	50/60	1	56/71	0.24/0.3	2450	570	325	64	1270	40/450VDB
190FLW3	2019.006	380	50	1	160	0.50	2600	1170	520	71	1270	-

220FLW2/3

Certification
 

IP rating
IP44

Airflow: **900~1020m³/h**
 Dimensions(WxH): Ø221.5x76.8mm



- **Motor** Capacitor Start Induction Motor
- **Impeller** PP+GF
- **Operation temperature and humidity range:**
-30°C ~+65°C (temperature) 0%~95% (humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
220FLW2	2019.007	220	50/60	1	98/118	0.46/0.51	2570/2920	1002	420/520	71/74	1800	3μF/450VDB
220FLW3	2019.008	380	50/60	1/3	100/125	0.29/0.35	2580/2950	900/1020	420/520	71/74	1800	-

225FLW2/3

Certification
 

IP rating
IP44

Airflow: **1200/1338m³/h**
 Dimensions(WxH): Ø226x101.2mm



- **Motor** Capacitor Start Induction Motor
- **Impeller** PA6+GF
- **Operation temperature and humidity range:**
-40°C ~+80°C (temperature) 0%~95% (humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
225FLW2	2019.011	220	50/60	1	131/170	0.62/0.74	2630/2930	1200/1338	550/725	69/71	2300	4μF/450VDB
225FLW4	2019.012	380	50/60	1/3	135/170	0.34/0.44	2650/2950	1200/1338	550/725	69/71	2300	-

250FLW2/4

Airflow: **1452/1524m³/h**
Dimensions(WxH): Ø250x93.9mm



Certification   IP rating IP44

- **Motor** Capacitor Start Induction Motor
- **Impeller** PA6+GF
- **Operation temperature and humidity range:** -40°C ~ +80°C (temperature) 0%~95%(humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
250FLW2	2019.011	220	50/60	1	131/173	0.59/0.76	2650/2970	1452/1524	580/750	74/76	2700	4μF/450VDB
250FLW4	2019.012	380	50/60	1/3	152/205	0.38/0.49	2550/2750	1452/1524	420/520	74/76	2700	-

280FLW2

Airflow: **1992m³/h**
Dimensions(WxH): Ø281x95mm



Certification   IP rating IP44

- **Motor** Capacitor Start Induction Motor
- **Impeller** Galvanized steel sheets
- **Operation temperature and humidity range:** -40°C ~ +80°C (temperature) 0%~95% (humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
280FLW2	2019.013	220	50/60	1	230/305	1.03/1.30	2550/2750	1992/2112	700/750	72/75	3000	8μF/450VDB

310FLW4

Airflow: **2124m³/h**
Dimensions(WxH): Ø316.5x159mm



Certification  IP rating IP44

- **Motor** Capacitor Start Induction Motor
- **Impeller** Aluminum
- **Operation temperature and humidity range:** -40°C ~ +80°C (temperature) 0%~95% (humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
310FLW4	2019.015	220	50/60	1	110/150	0.46/0.62	1329/1565	2124/2370	300/400	62	3800	3μF/450VDB

350FLW4A/5A

Certification


IP rating
 IP44

Airflow: **1848/2118m³/h**
 Dimensions(WxH): Ø355x130mm



- **Motor** Capacitor Start Induction Motor
- **Impeller** Aluminum
- **Operation temperature and humidity range:**
 -40 °C ~+80 °C (temperature) 0%~95% (humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
350FLW4A	2019.017	220	50/60	1	105/145	0.46/0.63	1400/1600	1848/2118	350/460	63/66	4700	3μF/450VDB
350FLW5A	2019.018	380	50/60	1/3	136/137	0.33/0.32	1400/1600	1848/2118	350/460	63/66	4700	-

355FLW4A

Certification


IP rating
 IP44

Airflow: **2580m³/h**
 Dimensions(WxH): Ø355x162mm



- **Motor** Capacitor Start Induction Motor
- **Impeller** Aluminum
- **Operation temperature and humidity range:**
 -40 °C ~+80 °C (temperature) 0%~95% (humidity)
- **Protection** Motor Internal with automatic recovery thermal protection
- **Withstand Voltage** AC 1,800V, 1 min at 0.5mA, 50/60 Hz
- **Insulation Grade** design according to IEC61858 Grade F

Model	Order Code	Rated Voltage (V)	Frequency (Hz)	Phase	Input Power (W)	Current (A)	Speed (r/min)	Air Flow (m ³ /h)	Static Pressure (Pa)	Noise (dB)	Weight (g)	Capacitance
355FLW4A	2019.020	220	50/60	1	170/230	0.78/0.8	1370	2580	410	65	4750	5μF/450VDB