



·DC· PFD100OPT



Dia.100x25mm/3.9x1inch

65CFM

Motorized Impeller, Backward curved blades

Model No	Rated Volt VDC	Voltage Range VDC	Input Power Watt	Rated Current Amp	Ref. Speed RPM	Max.Airflow CFM	m3/min	Max.Static Pressure Inch/H2O	mm	Noise Level db(A)	PQ Curves	UL
PFD100OPT-12SHWB	12	7~13.2	16.8	1.4	6000	65	1.8	1.92	48.77	55	1	✓
PFD100OPT-12HHHWB	12	7~13.2	9.0	0.75	5300	57	1.6	1.6	40.64	53	2	✓
PFD100OPT-12HHWB	12	7~13.2	7.2	0.6	4300	42	1.2	0.9	22.86	48	3	✓
PFD100OPT-12HWB	12	7~13.2	4.32	0.36	3000	33	0.9	0.6	15.24	41	5	✓
PFD100OPT-24SHWB	24	14~26.4	20.4	0.85	6000	65	1.8	1.92	48.77	55	1	✓
PFD100OPT-24HHHWB	24	14~26.4	12	0.5	5300	57	1.6	1.6	40.64	53	2	✓
PFD100OPT-24HHWB	24	14~26.4	8.64	0.36	4300	42	1.2	0.9	22.86	48	3	✓
PFD100OPT-24HWB	24	14~26.4	7.92	0.33	4000	39	1.1	0.82	20.83	45	H	✓
PFD100OPT-24MWB	24	14~26.4	7.2	0.3	3700	37	1	0.8	20.32	44	M	✓
PFD100OPT-24LWB	24	14~26.4	6.72	0.28	3300	35	1	0.63	16	43	4	✓
PFD100OPT-48SHWB	48	28~56	16.8	0.35	6000	65	1.8	1.92	48.77	55	1	✓
PFD100OPT-48HHHWB	48	28~56	14.4	0.3	5300	57	1.6	1.6	40.64	53	2	✓
PFD100OPT-48HHWB	48	28~56	12.48	0.26	4300	42	1.2	0.9	22.86	48	3	✓
PFD100OPT-48HWB	48	28~56	8.16	0.17	3300	35	1	0.63	16	43	4	✓
PFD100OPT-48MWB	48	28~56	7.2	0.15	2800	30	0.8	0.56	14.22	35	6	✓

- ** = "WB" for wire leads type, Ball bearing
- Sinwan reserves the right to change data and improve electrical & mechanical design without notice, data tolerance +-10%

Motor

Motor Type: Brushless DC Motor

Burnout Protection: Electronically protected, polarity protected

IP Protection: -

Mechanical

Frame: Glass fiber reinforced thermoplastic, rated UL94V-0

Impeller: Glass fiber reinforced plastic, rated UL94V-0

Bearing: Ball bearing

Rotation: CW seen on rotor

Connection: Wire leads

Weight: 135g

Electrical

Dielectric Strength: 500 VAC/min. Max leakage 0.5mA

Speed Control: Optional: PWM, S/C NTC thermister

Signal Output: Optional: RD Rotation Detector, FG Frequency Generator

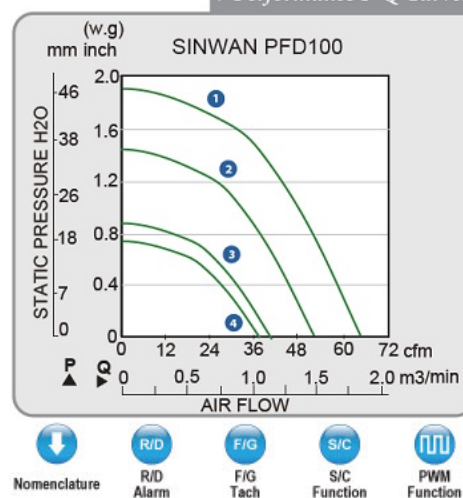
Environment

Operating Temp: -20C~+65C

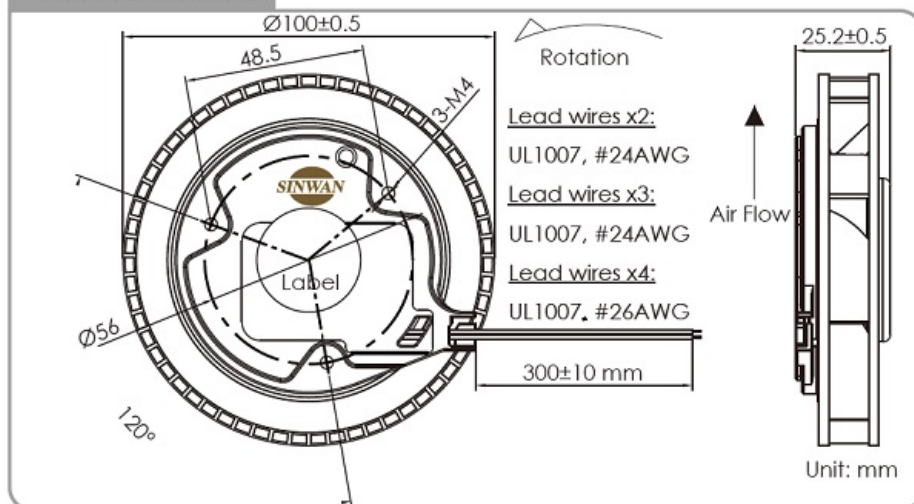
Storage Temp: -20C~+75C (at 65%RH)

Life Expectancy: L10 70K hours at 40C

► Performance P-Q Curves



► Outline Dimensions



Relevant products



Inlet nozzle/Duct ring
DR100SN