



# Long Life Low Cost

The Challenger series provides a unique patented sealed sleeve bearing system that has a life expectancy in excess of 50,000 hours. It is a very cost effective product for the cost conscious OEM

Size	120 x 38mm (4.7"x1.5")		120 X 25mm (4.7"x 1.0")		92 x 25mm (3.6"x1.0")		80 x 25mm (3.2" x 1.0")	
Part Number	OD1238-12HSS	OD1238-24MSS	OD1225-12HSS	OD1225-24HSS	OD9225-12HSS	OD9225-24HSS	OD8025-12HSS	OD8025-24HSS
Nominal Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC
Nominal Current	0.50A	0.23A	0.44A	0.24A	0.25A	0.15A	0.25A	0.16A
Rated Power	4.7W	4.8W	5.3W	5.8W	2.9W	3.4W	2.9W	2.4W
Rated Speed (RPM)	2800	2540	2200	2200	2900	2900	3100	3100
Airflow (CFM)	105	96	85	85	52	52	40	40
Noise Level (dB)	47	47	39	39	35	35	34	34
Max. Static Pressure	0.27" H2O	0.23" H2O	0.14" H2O	0.14" H2O	0.13" H2O	0.13" H2O	0.16" H2O	0.16" H2O
Photo								

Size	60 x 25mm (2.4" x 1.0")		40 x 20mm (1.6" x 0.8")		40 x 10mm (1.6" x 0.4")		Frame & Impeller	PBT, UL94V-2 plastic
Part Number	OD6025-12HSS	OD6025-24HSS	OD4020-12HSS	OD4020-24HSS	OD4010-12HSS	OD4010-24HSS	Connection	2x Lead wires
Nominal Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	Motor	Brushless DC, auto restart, polarity protected
Nominal Current	0.23A	0.15A	0.11A	0.09A	0.10A	0.09A		
Rated Power	2.8W	3.6W	1.2W	1.7W	1.2W	1.4W	Bearing System	Sealed Sleeve
Rated Speed (RPM)	4600	4600	7800	7800	6000	6000	Insulation Resistance	10M ohm between lead-wire and frame (500VDC)
Airflow (CFM)	25	25	9.0	9.0	6.7	6.7		
Noise Level (dB)	35	35	32	32	25	25	Dielectric Strength	1500VAC / 1 min.
Max. Static Pressure	0.20" H2O	0.20" H2O	0.30" H2O	0.30" H2O	0.10" H2O	0.10" H2O		
Photo							Operating Temperature	-10C ~ +70C

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