





Bannari Amman Institute of Technology
Sathyamangalam - 638 401
Erode District, Tamil Nadu, India



Department of Automobile Engineering
Engine Performance and Emission Testing Laboratory

Date : 14.10.2020
Time : 04.00 PM

Manufacturers Name and Address : MOTOWINGS PERFORMANCE NO.14, Anna Nagar extn, NK Palayam, Singanallur, Coimbatore-641 033. India			
Name of the Model and Variants : Motowings Performance- Short Barrel Without DB Killer Part No : MWP004-SB-UCE (Classic 350 SB)			
Emission Level Test with AVL DIGAS 444N Idle Condition @1500 rpm			
HC	33 PPM	Smoke	HSU
CO	0.01 % Vol.	LAM (λ)	1.201
CO₂	12.03 % Vol.		
O₂	03.48 % Vol.		
NO	0 PPM		

Manufacturer : MOTOWINGS PERFORMANCE	Document No : 2020006	Test Agency : Department of Automobile Engineering, Bannari Amman Institute of Technology	Cert No : BIT-AUTO-ETL-006
Signature :		Signature : 	
Name : TAMIL AMUTHAN	Sheet No. 01	Name : Mr.S.Deepankumar	
Designation : PRODUCT DEVELOPMENT ENGINEER	Date: 14.10.2020	Designation : AP/ Auto	Date of Issue : 14.10.2020
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Manufacturers Name and Address : MOTOWINGS PERFORMANCE NO.14, Anna Nagar extn, NK Palayam, Singanallur, Coimbatore-641 033. India			
Name of the Model and Variants : Motowings Performance- Short Barrel With DB Killer Part No : MWP004-SB-UCE (Classic 350 SB)			
Emission Level Test with AVL DIGAS 444N Idle Condition @1500 rpm			
HC	30 PPM	Smoke	HSU
CO	0.01 % Vol.	LAM (λ)	1.601
CO₂	12.43 % Vol.		
O₂	03.08 % Vol.		
NO	0 PPM		

Manufacturer : MOTOWINGS PERFORMANCE	Document No : 2020007	Test Agency : Department of Automobile Engineering, Bannari Amman Institute of Technology	Cert No : BIT-AUTO-ETL-007
Signature :		Signature : 	Name : Mr.S.Deepankumar
Name : TAMIL AMUTHAN	Sheet No. 01	Designation : AP/ Auto	
Designation : PRODUCT DEVELOPMENT ENGINEER	Date: 14.10.2020	Date of Issue : 14.10.2020	Page No 02 of 03



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Manufacturers Name and Address : MOTOWINGS PERFORMANCE NO.14, Anna Nagar extn, NK Palayam, Singanallur, Coimbatore-641 033. India		
Name of the Model and Variants : Motowings Performance- Short Barrel With DB Killer Motowings Performance- Short Barrel Without DB Killer Part No : MWP004-SB-UCE (Classic 350 SB)		
Noise Level Test as per SAE International J2825 Exhaust Sound Pressure Levels		
Noise Level	Short Barrel With DB Killer	76.1 dB @1500 RPM (Idle)
		79.0 dB @2000 RPM
	Short Barrel Without DB Killer	79.2 dB @1500 RPM (Idle)
		81.5 dB @2000 RPM

Manufacturer : MOTOWINGS PERFORMANCE	Document No : 2020006,07	Test Agency : Department of Automobile Engineering, Bannari Amman Institute of Technology	Cert No : BIT-AUTO-ETL-006,07
Signature :		Signature :	
Name : TAMIL AMUTHAN	Sheet No. 01	Name : Mr.S.Deepankumar	
Designation : PRODUCT DEVELOPMENT ENGINEER	Date: 14.10.2020	Designation : AP/ Auto	
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