

ISO 12809:2020-01 (E)

Crop protection equipment - Reciprocating positive displacement pumps and centrifugal pumps - Test method

Contents		Page
Foreword		iv
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Accuracy of measurements		2
5 Test liquid		3
6 General test conditions		3
6.1 Environmental conditions.....		3
6.2 Suction pressure.....		3
6.3 Delivery pressure.....		3
6.4 Rotating speed.....		3
6.5 Flow-rate.....		3
6.6 Power consumption.....		3
7 Test methods		4
7.1 General.....		4
7.2 Stand-alone pump.....		4
7.2.1 Test bench.....		4
7.2.2 Installation of pump.....		6
7.2.3 Reference suction pressure.....		6
7.2.4 Flow-rate at the reference suction pressure.....		7
7.2.5 Flow-rate at variable suction pressure.....		7
7.2.6 Power consumption.....		7
7.2.7 Priming capacity — Without re-circulation.....		8
7.2.8 Priming capacity — With re-circulation.....		9
7.2.9 Wear test.....		10
7.3 Pump installed on the sprayer.....		11
7.3.1 General.....		11
7.3.2 Flow-rate.....		11
7.3.3 Priming capacity.....		12
8 Test report		13
Annex A (informative) Examples of test results for stand-alone pumps		14
Annex B (informative) Examples of test results for pumps installed on the sprayer		20