

Standard routine test SHALL be performed on every motor, in accordance with IEC Standards.

Vendor shall consider item 24-1-5 and 6 of MR No. DPIC98-12-001-000-ME-MR-4150-0001 for type and routine tests of LV and MV motors.

Also, format of ITP shall be the same as submitted ITP for refrigeration package.

Specification of routine tests on asynchronous machines with squirrel cage rotors

Test item	Standard	Measurement device
Visual control		
Measurement of the DC-resistance of the stator winding at ambient temperature	EN/IEC 60034-2-1	- Microhmmeter - Thermometer
Measurement of the insulation resistance of the stator winding and accessories	EN/IEC 60204-1 EN/IEC 60204-11	- Megaohmmeter - Thermometer
Measurement of the polarisation index of the stator winding (only high voltage machines)	-	- Megaohmmeter
Function test of accessories and sensors	specific	- Multimeter
Direction of rotation	EN/IEC 60034-8	- Visual
Measurement of the shaft voltage at rated voltage and rated frequency at no-load condition	-	- Voltmeter
Measurement of the vibration severity at no-load condition	EN/IEC 60034-14	- Vibration meter
Measurement of the short-circuit characteristic at partial voltage	EN/IEC 60034-2-1	- Power analyser
Measurement of the no-load characteristics	EN/IEC 60034-2-1	- Power analyser
Bearing temperature rise test at rated speed (sleeve bearings only)	-	- Power analyser - Thermometer
Withstand voltage test (high-voltage test) on stator winding (according to customer agreement)	EN/IEC 60034-1	- AC High voltage source
Issuing of a test report / inspection certificate	EN/IEC 60034-1 EN 10204	

Type	Identification	Prepared	Date	Checked	Revision	Status	Sheet
Test Specification	STE01	EB	16/03/2016	PSt	0	C	1/1