Motor test report (with solo run)

Yellow cells are for you to fill in. Free template from Deskely · deskely.com/resources/motor-test-report

Project	Motor tag	Report number

Manufacturer	Serial number	Rating (kW)

Voltage	Full load current (A)	Speed (rpm)

Test instruments	Calibration due	Date

1. CHECKS BEFORE TESTING

No.	Check	Status	Remarks
1	Nameplate matches the datasheet		
2	Mounted, bolted and earthed		
3	Terminal box, glands and terminations correct and torqued		
4	Anti-condensation heater working		
5	Bearings lubricated		
6	Rotates freely by hand		
7	Coupling disconnected for the solo run		

2. INSULATION RESISTANCE

Measurement	Test voltage (V)	IR 1 min (MΩ)	IR 10 min (MΩ)	PI	Minimum PI	Result	Remarks
Windings to earth					2		
Heater to earth							

3. WINDING RESISTANCE

Temp. (°C)	U-V (Ω)	V-W (Ω)	W-U (Ω)	Imbalance (%)	Remarks

4. SOLO RUN (UNCOUPLED)

Direction of rotation correct	
Starting time (s)	

Time (min)	Current L1 (A)	Current L2 (A)	Current L3 (A)	Vibration DE (mm/s)	Vibration NDE (mm/s)	Bearing DE (°C)	Bearing NDE (°C)
0							
15							
30							
60							
90							
120							

Record vibration as RMS velocity, horizontal, vertical and axial, against ISO 20816 or your specification. Note any unusual noise.

RESULT

Result (Accepted / Rejected)	
Remarks	

Sign-off	Name	Company	Signature	Date
Tested by				
Witnessed by				