

# The Automation People

# PROLIFIC

# Prolific Systems & Technologies Pvt. Ltd.

ISO 9001 : 2008 & ISO 14001 : 2004



Login Database Connection



User ID :

Password :

[Change Password](#)



# MATPro

### New Motor Test

**Conduct The Test**

Auto     **Manual**

Select Pole   

**Machine Name**

**Winder Name**

OK     Close

Enter Excise No.   

Rating : 3.75 - AC  
KW : 3.75  
Volt : 415  
HP : 5

Meter Configuration

### New Motor Test

#### Core Loss Test

Core Type

Core Inside Diameter  mm

Slot Depth  mm

Back - Iron Depth  mm

Mean Diameter  mm

Test Current  Amp

Measured Current  Amp

Measured Voltage  Volt

PF

Core Loss  Watt

Frequency  Hz

Excise No.

Rating : 3.75 - AC

KW : 3.75

Volt : 415

HP : 5

Meter Configuration

### Edit Motor Test

#### Conduct The Test

Auto  Manual

Select Pole

**Excise No.**

OK  Close

Rating : 3.75 - AC  
 KW : 3.75  
 Volt : 415  
 HP : 5

Meter Configuration

- Select All**
- Routine Test**
    - Measurement of Winding Resistance Test
    - High Voltage Test
    - Insulation Resistance Test
    - No Load Loss Test
    - Lock Rotor Test
    - Core Loss Test

- Type Test**
  - Cold Efficiency
  - Temperature Rise Test
  - Full Load Torque
  - Hot Efficiency
  - Load Loss Test
  - Load Curve Test
  - Friction and Windage Loss Test
  - Reduce Voltage Test
  - Momentary Overload Test
  - Over Speed Test
  - Break Down Torque
  - Vibration Test
  - Surge Test
  - Noise Level Test

Next

### New Motor Test

**Excise No.**

OK  Close

Rating : 3.75 - AC  
 KW : 3.75  
 Volt : 415  
 HP : 5

Meter Configuration

### Resistance Test

Unit

Ambient Temperature (°C)

| RY Phase | YB Phase | BR Phase |
|----------|----------|----------|
|          |          |          |

### New Motor Test

Excise No.

123



OK



Close

Rating : 3.75 - AC

KW : 3.75

Volt : 415

HP : 5

Meter Configuration

### High Voltage Test

Applied Voltage  (kV)

Leakage Current  (mA)



Save



Acquire



Close



Delete

### New Motor Test

Excise No.

123



OK



Close

Rating : 3.75 - AC

KW : 3.75

Volt : 415

HP : 5

Meter Configuration

### Insulation Resistance Test

Insulation Resistance (Coil To Earth)  (MΩ)



Save



Acquire



Close



Delete

### New Motor Test

Excise No.

123



OK



Close

Rating : 3.75 - AC

KW : 3.75

Volt : 415

HP : 5

Meter Configuration

### No Load Loss Test

| %   | Voltage (V) | Current (A) | PF | I/P (W) | Frequency (Hz) | Speed (RPM) |
|-----|-------------|-------------|----|---------|----------------|-------------|
| 100 |             |             |    |         |                |             |



Save



Acquire



Close



Delete



# New Motor Test

## Lock Rotor Test

**Excise No.**

| V1      | V2 | V3 | VAvg | I1     | I2 | I3 | IAvg | W1      | W2 | W3 | Loss | Frq [Hz] | PF | Torque [Nm] | Torque at Rated Voltage [Nm] |
|---------|----|----|------|--------|----|----|------|---------|----|----|------|----------|----|-------------|------------------------------|
| [Volts] |    |    |      | [Amps] |    |    |      | [Watts] |    |    |      |          |    |             |                              |
|         |    |    |      |        |    |    |      |         |    |    |      |          |    |             |                              |

OK  Close

Rating : 3.75 - AC  
 KW : 3.75  
 Volt : 415  
 HP : 5

Meter Configuration

### New Motor Test

#### Temperature Rise Test

O/P kW :  Interval in (mins)

| Time  | Volt | Current | I/P kW | Freq. | RPM | O/P kW | Ambient Temp. | Body Temp. |
|-------|------|---------|--------|-------|-----|--------|---------------|------------|
| 14:04 |      |         |        |       |     |        |               |            |
| 14:24 |      |         |        |       |     |        |               |            |
| 14:44 |      |         |        |       |     |        |               |            |

**Excise No.**

Rating : 3.75 - AC  
 KW : 3.75  
 Volt : 415  
 HP : 5

Meter Configuration

Calculated Readings








### New Motor Test

#### Temperature Rise Test

O/P kW :  Interval in (mins)

| Time  | Volt | Current | I/P kW | Freq. | RPM | O/P kW | Ambient Temp. | Body Temp. |
|-------|------|---------|--------|-------|-----|--------|---------------|------------|
| 14:04 |      |         |        |       |     |        |               |            |
| 14:24 |      |         |        |       |     |        |               |            |
| 14:44 |      |         |        |       |     |        |               |            |

**Excise No.**

Rating : 3.75 - AC  
 KW : 3.75  
 Volt : 415  
 HP : 5

Meter Configuration

Calculated Readings



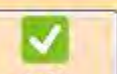





## New Motor Test

Excise No.

11



OK



Close

Rating : 3.75 - AC

KW : 3.75

Volt : 415

HP : 5

Meter Configuration

### Load Loss Test

| % Load  | Volt (V) | Curr. (A) | Input (W) | Meas. Freq (Hz) | RPM | Slip (%) | Converted RPM | Output (W) | Eff. (%) | PF | Torque (NM) |
|---------|----------|-----------|-----------|-----------------|-----|----------|---------------|------------|----------|----|-------------|
| 25 %    |          |           |           |                 |     |          |               |            |          |    |             |
| 50 %    |          |           |           |                 |     |          |               |            |          |    |             |
| 75 %    |          |           |           |                 |     |          |               |            |          |    |             |
| 100 %   |          |           |           |                 |     |          |               |            |          |    |             |
| 115 %   |          |           |           |                 |     |          |               |            |          |    |             |
| Pullout |          |           |           |                 |     |          |               |            |          |    |             |

Calculated Readings



Add Row



Delete Row



Save



Acquire



Close



Delete

# New Motor Test

Excise No.

11



OK



Close

Rating : 3.75 - AC

KW : 3.75

Volt : 415

HP : 5

Meter Configuration

## Vibration Test

|          | H (mm/s) | V (mm/s) | A (mm/s) |
|----------|----------|----------|----------|
| DE Side  |          |          |          |
| NDE Side |          |          |          |



Save



Acquire



Close



Delete

### New Motor Test

Excise No.



OK



Close

Rating : 3.75 - AC

KW : 3.75

Volt : 415

HP : 5

Meter Configuration

### Noise Level Test

Noise Level (dB)



Save



Close



Delete