
 Scientific And industrial Testing and Research Centre, Coimbatore-641006	ELECTRICAL TESTING LABORATORY				Code No.
	SERVICE REQUEST FORM				
	Test for SINGLE PHASE Electric Monoset Pumps for clear, cold water for agricultural and water supply purposes (As per IS 9079:2018 Third revision-up to and including all amendments)				

# Name of the Test item		Monoset Pump – Single Phase AC Induction Motor			
# Motor Rated Output	kW	# Rated Voltage	V	# Rated Current	A
# No. of Phases	SINGLE	# No of poles	2 / 4	# Rated Speed	rpm
# Winding Connection	CSR / CSCR / CSIR	#		# Rated Frequency	Hz
# Class of insulation		Type of Encl.		Type of Motor	Induction motor
Degree of protection	IP	Method of Cooling	IC	# Starting Current	A
Start. Cap Value / Voltage		Run. Cap Value / Voltage		Starting Torque	% of FLT
# Suction Pipe Size	mm	# Delivery Pipe Size	mm	# Overall Efficiency	%
# Head	m	# Discharge	lps	# Head Range	m
#Earth connection	Provided / Not Provided	# Connection Diagram	Affixed / Not Affixed	# Terminal marking	Affixed / Not Affixed
# Motor Efficiency	%	# Pump Efficiency (Minimum)	%	# No of Stage	
Model No.		Manufacturer SI.No.		Manufacturer Name/Brand Name	
BIS Mark & CM/L No. if any					

-----XXXXXXXXXXXXXXXXXXXXX-----

Name and Address of the Customer in Test Report		Ref Doc. Details :	
Name and Address of the Customer in Invoice		Contact Person :	
		Phone No.	
MIN No.		Date	
For Si'Tarc		For Customer	
Date:	Sign & Name	Date:	Sign & Name

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Test Requirements					
Sl.No.	Name of the test / Clause No.	Test Required Y/NR	Sl.No.	Name of the test / Clause No.	Test Required Y/NR
1.	General(11.1)		7.	Breakaway starting test (11.8.1 f)	
2.	Measurement of winding resistance test (11.8.1 a)		8.	Reduced voltage running up test (11.8.1 g)	
3.	High Voltage test (11.8.1 b)		9.	Temperature rise test(at rated voltage) (11.8.1 h)	
4.	Insulation resistance Test (11.8.1 c)		10.	Temperature rise test(at Reduced voltage) (11.8.1 j)	
5.	No load test (11.8.1 d)		11.	Hydrostatic Pressure test (CI 12.6)	
6.	Locked rotor test (11.8.1 e)		12.	Guarantee of performance (CI 13)	

*Y- Required, NR – Not Required, ND – Not Described. Put “Y” or “NR” for test requirements, For BIS test requirement attach a Performance declared values for each sample in an authenticated separate sheet. The above details are to be furnished by the customer at the time of submitting the samples for testing.

Note:

- 1) Kindly issue separate SRF Form for each sample.
- 2) Marked with a # are Mandatory Fields.

Materials of Construction (CI.No.7.1) - Customer Declaration Required / Not Required

Sl.No.	Component	Material of Construction	Customer Declaration
1	Casing	Cast iron grade of FG 200 of IS 210	
2	Impeller	Casting grade FG 200 of IS 210 or Bronze grade LTB 2 of IS 318 or IS 1865 Iron castings with spheroidal or nodular graphite grade 400/12	
3	Casing Ring and Impeller ring	Casting grade FG 200 of IS 210 or Bronze grade LTB 2 of IS 318	
4	Shaft	Class 3A of IS 1875	
5	Shaft Sleeve(if provided)	Bronze Grade LTB 2 of IS318 or stainless steel Grade X 04 Cr12, X 12 Cr12, X 20 Cr13, X 04 to IS 6911 or IS 6603	
6	Bush	Bronze grade. LTB2,3 or 4 of IS 318 or Nitrile/cutless rubber or NBR	

SLFEL059/01.01/01-20

XXXXXXXXXXXXXXXXXXXXXXX	
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Name and Address of the Customer in Invoice	Contact Person :
	Phone No.
MIN No.	Date
For Si'Tarc	For Customer
Date: Sign & Name	Date: Sign & Name