FLOWSERVE Flow Pump Division 5310 Taneytown Pike Taneytown, MD 21787	**DOCUMENT TITLE** MOTOR PERFORMANCE DATA	**FLS DOCUMENT NO.** E003552_MTR_PERF_DATA
		CUSTOMER DOCUMENT NO. N/A
	PROJECT WORPAR	**SDRL CODE** N/A

CUSTOMER:	DESMET BALLESTRA NORTH AM	**PO NO.:**	PO-00028525
SERVICE:	PE MATURATOR DISCHARGE PUMPS	**SALES ORDER NO.:**	070-81609
		SERIAL NO.:	2206ME003552-1/2
FLS ORDER NO.:	E003552	**EQUIPMENT:**	4M223 PUMP
		EQUIPMENT TAG NO.:	DESEMET TAGS: P603.1/1, 1/2 - WEP TAGS: 19-P-751A,751B

MOTOR PERFORMANCE DATA

REV	ISSUE DATE	ISSUE PURPOSE	ISSUED BY	REVIEWED BY	APPROVED BY
A	8/18/2022	REVIEW	M. TOPPER	T. KARNAS	Z. PLATEK

Test Report
Three Phase Induction Motor

Motor's Serial Number
1063237325

WEG Equipamentos Elétricos S/A. - Motores | **Quality Control - Montagem - Linha Especial**

Av. Pref. Waldemar Grubba, 3000 - 89256-900, Jaraguá do Sul - Santa Catarina - Brasil

Customer: WEG ELECTRIC CORPORATION - WEC
Sales Order: 4511982456

1. Motor Identification

TAG: -
Material: 11431307
Frame: 404/5T
Mounting: B3R(D)
Drawing: -

Enclosure: IP55
Altitude (m): 1000
Duty Cycle: S1
Design: B

Insulation Class: F
Temperature Rise (K): 80
Ambient Temperature (°C): 40
Service Factor: 1.25

Voltage (V)	Current (A)	Power (HP)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
460	84.9	75	60	1184	0.86	94.5

2. Tests

2.1. Electric Resistance

Resistance (mOhms): 105.1 / 105.1 / 105.1
Ambient Temperature (°C): 23.9
Unbalance (%): 0.00
$R_{20°C}$ (mOhms): 103.5 / 103.5 / 103.5

2.2. Vibration

Unfiltered vibration (mm/s peak // in/s peak)*			
Position	**Horizontal**	**Vertical**	**Axial**
DE	0.48 // 0.02	0.25 // 0.01	0.42 // 0.02
NDE	0.41 // 0.02	0.52 // 0.02	-

* Test performed on rigid mounting

2.3. No Load

Voltage (V): 460.0
Frequency (Hz): 60.0
Current (A): 31.60
Speed (rpm): 1200
Power (W): 964.10
Direction of Rotation: Clockwise

2.4. Withstand Voltage AC

Voltage (kV): 1.92
Time (s): 60
Current (mA): 36.31

2.5. Insulation Resistance

Resistance (MOhms): 520
Time (s): 60
Ambient Temperature (°C): 0.0

3. Result

Test approved in accordance with the requirements of IEEE 841: 2009

WEG Motors	Customer
Edson Vansuita Test Date: 11/1/2021	Inspector

Test Report
Three Phase Induction Motor

Motor's Serial Number
1063237326

WEG Equipamentos Elétricos S/A. - Motores | **Quality Control - Montagem - Linha Especial**

Av. Pref. Waldemar Grubba, 3000 - 89256-900, Jaraguá do Sul - Santa Catarina - Brasil

Customer: WEG ELECTRIC CORPORATION - WEC
Sales Order: 4511982456

1. Motor Identification

TAG: -
Material: 11431307
Frame: 404/5T
Mounting: B3R(D)
Drawing: -

Enclosure: IP55
Altitude (m): 1000
Duty Cycle: S1
Design: B

Insulation Class: F
Temperature Rise (K): 80
Ambient Temperature (°C): 40
Service Factor: 1.25

Voltage (V)	Current (A)	Power (HP)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
460	84.9	75	60	1184	0.86	94.5

2. Tests

2.1. Electric Resistance

Resistance (mOhms): 104.2 / 104.2 / 104.2
Ambient Temperature (°C): 22.7
Unbalance (%): 0.00
$R_{20°C}$ (mOhms): 103.1 / 103.1 / 103.1

2.2. Vibration

Unfiltered vibration (mm/s peak // in/s peak)*			
Position	**Horizontal**	**Vertical**	**Axial**
DE	0.57 // 0.02	0.62 // 0.02	0.66 // 0.03
NDE	0.34 // 0.01	0.76 // 0.03	-

* Test performed on rigid mounting

2.3. No Load

Voltage (V): 460.0
Frequency (Hz): 60.0
Current (A): 31.91
Speed (rpm): 1200
Power (W): 833.30
Direction of Rotation: Clockwise

2.4. Withstand Voltage AC

Voltage (kV): 1.92
Time (s): 60
Current (mA): 36.13

2.5. Insulation Resistance

Resistance (MOhms): 5300
Time (s): 60
Ambient Temperature (°C): 0.0

3. Result

Test approved in accordance with the requirements of IEEE 841: 2009

WEG Motors	Customer
Edson Vansuita Test Date: 11/1/2021	Inspector