

# ITW INDIA LIMITED

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HARMONICS TABLE				
Amp	L1	L2	L3	N
THD%r	67.1	54.1	64.2	11.4
H3%r	2.9	1.9	3.0	2.0
H5%r	31.7	30.9	30.0	3.8
H7%r	58.4	43.6	55.9	2.7
H9%r	1.9	2.0	2.8	0.8
H11%r	2.1	3.1	2.9	0.8
H13%r	2.0	2.1	2.2	0.8
H15%r	0.3	0.3	0.3	0.7

06/05/06 17:53:13 400V 50Hz 3Ø WYE EMS0160

U A M HOLD  
USA BACK TREND RUN

Current Harmonics for Total measured on 6<sup>th</sup> May,2006 before Saifel Installation

HARMONICS TABLE				
Amp	L1	L2	L3	N
THD%r	24.2	25.2	25.1	10.1
H3%r	1.6	3.9	2.3	7.1
H5%r	22.6	23.1	23.2	3.8
H7%r	1.7	2.0	1.8	0.9
H9%r	0.3	0.3	0.6	2.2
H11%r	7.0	7.3	7.4	1.0
H13%r	0.2	0.4	0.2	1.5
H15%r	0.5	0.4	0.6	0.4

20/11/06 15:32:20 400V 50Hz 3Ø WYE EMS0160

U A M HARMONIC HOLD  
USA GRAPH TREND RUN

Current Harmonics for Total measured on 20<sup>th</sup> Nov,2006 after Saifel Installation

HARMONICS TABLE				
Volt	L1	L2	L3	N
THD%r	1.8	1.6	1.8	10.8
H3%r	0.2	0.2	0.3	4.7
H5%r	1.5	1.3	1.6	6.0
H7%r	0.7	0.7	0.6	4.8
H9%r	0.1	0.1	0.1	1.3
H11%r	0.3	0.3	0.3	1.4
H13%r	0.1	0.1	0.1	1.2
H15%r	0.1	0.1	0.1	1.1

06/05/06 17:53:39 400V 50Hz 3Ø WYE EMS0160

U A M HOLD  
USA BACK TREND RUN

Voltage Harmonics for Total measured on 6<sup>th</sup> May,2006 before Saifel Installation

HARMONICS TABLE				
Volt	L1	L2	L3	N
THD%r	1.1	1.0	1.1	95.4
H3%r	0.2	0.2	0.3	3.2
H5%r	0.5	0.4	0.6	3.0
H7%r	0.4	0.4	0.3	2.6
H9%r	0.0	0.0	0.1	2.8
H11%r	0.1	0.1	0.2	2.6
H13%r	0.1	0.1	0.1	2.8
H15%r	0.1	0.1	0.1	3.3

20/11/06 15:13:50 400V 50Hz 3Ø WYE EMS0160

U A M HARMONIC HOLD  
USA GRAPH TREND RUN

Voltage Harmonics for Total measured on 20<sup>th</sup> Nov,2006 after Saifel Installation