



FOSTER WHEELER ITALIANA

EQUIPMENT NOISE CONTROL

JOB SPEC. BD0203B-95A2

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Rev.: 100

Date: January 9, 2004

VII. NOISE DATA SHEET

- A. The following form shall be completed at Vendor care and shall be submitted to FWI together with the technical bid.

NOISE DATA SHEET														
<b>EQUIPMENT DESIGN DATA</b>														
Equipment N° : <u>2P-91-B</u> Req. N° : _____														
Equipment Description : <u>CENTRIFUGAL PUMP</u>														
Size : <u>2x15 TC</u> Power : <u>55.2F</u> [Hp] <u>40.64</u> [kW]														
Speed : <u>2960</u> [RPM]														
<b>SOUND PRESSURE LEVEL (Lp)</b>														
Lp measurements on actual equipment										[ ] 84.09				
Lp measurements on equivalent equipment										[ ]				
Calculation										[ ]				
FREQUENCY [Hz]	62.5	125	250	500	1000	2000	4000	8000	overall dB(A)					
Max allowable [dB(Lin)]	see para. III of the present specification													
Std. equipment [dB(Lin)]	78.6	81.6	81.6	80.6	78.6	76.6	73.6	68.6	84.09					
With noise treatment [dB(Lin)]														
<b>SOUND POWER LEVEL (Lw)</b>														
From measurements on actual equipment										[ ]				
From measurements on equivalent equipment										[ ]				
Calculation										[ ]				
FREQUENCY [Hz]	62.5	125	250	500	1000	2000	4000	8000	overall dB(A)					
Max allowable [dB(Lin)]	not applicable													
Std. equipment [dB(Lin)]	75.7	78.7	78.7	77.7	75.7	73.7	70.7	65.7	81.25					
With noise treatment [dB(Lin)]														
<b>REMARKS</b>														
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<p><b>NUOVO PIGNONE P.V.S.</b> QUALITY CONTROL DEPT.</p>														



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NOISE DATA SHEET										
<b>EQUIPMENT DESIGN DATA</b>										
Equipment N° : <u>2P-91-A</u> Req. N° : _____										
Equipment Description : <u>CENTRIFUGAL PUMP</u>										
Size : <u>2x15 TC</u> Power : <u>33,27</u> [Hp] <u>40,64</u> [kW]										
Speed : <u>2960</u> [RPM]										
<b>SOUND PRESSURE LEVEL (Lp)</b>										
Lp measurements on actual equipment										[x] 83,85
Lp measurements on equivalent equipment										[ ]
Calculation										[ ]
FREQUENCY [Hz]	62.5	125	250	500	1000	2000	4000	8000	overall dB(A)	
Max allowable [dB(Lin)]	see para. III of the present specification									
Std. equipment [dB(Lin)]	70,5	81,5	81,5	80,5	78,5	76,5	73,5	68,5	83,85	
With noise treatment [dB(Lin)]										
<b>SOUND POWER LEVEL (Lw)</b>										
From measurements on actual equipment										[ ]
From measurements on equivalent equipment										[ ]
Calculation										[ ]
FREQUENCY [Hz]	62.5	125	250	500	1000	2000	4000	8000	overall dB(A)	
Max allowable [dB(Lin)]	not applicable									
Std. equipment [dB(Lin)]	75,6	78,6	78,6	77,6	75,6	73,16	70,6	65,6	81,01	
With noise treatment [dB(Lin)]										
<b>REMARKS</b>										

*Nuova Pignone P.V.S.*  
QUALITY CONTROL DEPT.