

TDS TECHNICAL DATA SHEET

PRD 55 - Finixa pneumatic machine - 4.000 rpm

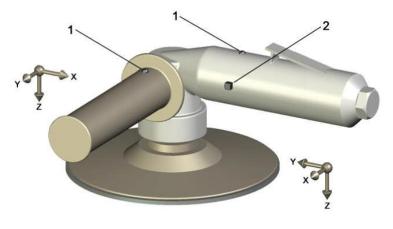
Description

Instruments	Type and manufacturer		Date of calibration	
Vibration Analyser	Туре: 3050-В-060	B & K	2010.06.23	B&K
Accelermoter / Converter	Type: 4393 / 2647C (0.1:1)	B&K	2010.06.15/2010.07.15	B&K
Vibration calibrator	Type: 4294	B&K	2010.06.21	B&K

K = 1.65 x σ R, σ R is estimated by sR where sR = Max{ $\sqrt{s_{rec}^2 + s_{op}^2}$, 0.06a_{hd} + 0.3}

Summary of Testing

Description of the measurements, method, position etc. Tested according to EN ISO 28927-3. Declared according to EN 12096 Test conditions: Running free with 4" wheel at 6.2 Bar Accelerometer placement, see figure below. Frequency band: HA (Hand-Arm) Frequency range: 6,3 Hz to 1,25 kHz.



Note:

1) The second location "2" can be used when the prescribed location "1" is not possible for the transducer.

Tool rating and loading condition

Type of tool	Rated Speed (rpm)	Orbital dia. (mm	Tool weight (kg)	Feed force (approx. N)	Loading condition
4" Stripping off tool	4 000	-	1.42	-	Running free with a 4" wheel

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Summary of declared vibration value (ahd), measurement uncertainty (K), and measurement location:

Declared vibration value ahd (m/s2)	0.5
uncertainty, K (m/s2)	0.55
location	1B

Test results, weighted acceleration (m/s2):

Model			Rated	free (RF	PM)	4000		Weight	: (kg)	1.42		Loadin	g device	
	PRE	55	Test	Pressu	ire	6.2		Feed	force				ig free v	with a
			bar					(N)				4" whe	el	
Pos.	Oper- ator	Run	a _{hw x}	a _{hwy}	a _{hwz}	a _{hv}	a _{hvrat}	a _{hw}	S _{n-1}	Cv	a _h	S _R	к	a _{hd}
		1	0.2	0.3	0.1	0.36	-							
		2	0.2	0.2	0.1	0.34	-	I						
	Α	3	0.2	0.3	0.1	0.35	-	0.4	0.03	0.07				
		4	0.2	0.3	0.1	0.35	-	ļ						
		5	0.2	0.3	0.1	0.41	-							
		1	0.2	0.3	0.1	0.36	-							
	_	2	0.2	0.3	0.1	0.39	-							
1A	В	3	0.2	0.3	0.1	0.37	-	0.4	0.03	0.08	0.4	0.32	0.53	
		4	0.2	0.3	0.1	0.41	-	l						
		5	0.2	0.4	0.1	0.43	-							
		1	0.2	0.3	0.1	0.38	-	l						
	-	2	0.2	0.3	0.1	0.35	-							
	С	3	0.2	0.3	0.1	0.34	-	0.4	0.02	0.05)			
		4	0.2	0.3	0.1	0.37	-	l						
		5	0.2	0.3	0.1	0.38	-							0.5
		1	0.23	0.31	0.3	0.46	-	ļ						0.0
		2	0.23	0.32	0.2	0.46	-							
	Α	3	0.24	0.31	0.3	0.47	-	0.5	0.05	0.10				
		4	0.27	0.33	0.3	0.52	-	L						
		5	0.31	0.34	0.3	0.57	-							
		1	0.31	0.36	0.3	0.55	-	ļ						
	_	2	0.28	0.30	0.3	0.51	-	ļ						
1B	В	3	0.25	0.31	0.3	0.49	-	0.5	0.04	0.07	07 0.5	0.33	0.55	
		4	0.29	0.35	0.3	0.57	-	ļ						
		5	0.33	0.32	0.4	0.58	-							
		1	0.28	0.33	0.3	0.51	-	ļ						
	-	2	0.27	0.33	0.3	0.50	-							
	С	3	0.27	0.32	0.3	0.49	-	0.5	0.03	0.05				
		4	0.30	0.34	0.3	0.54	-	ļ						
		5	0.31	0.33	0.3	0.55	-							

Noise rapport

Instruments	Type and manufacturer	Date of calibration
Sound Analyser	Туре: 3050-В-060 В & К	2010.06.23 B&K
Microphones	Type: 4189-A-021	2010.06.22 B&K
Calibrator	Type: 4231 B&K	2010.06.15 B&K

Measurement uncertainty, expressed as standard deviation of reproducibility **G**R

KPA, KWA, or KpC = 3.0 dB

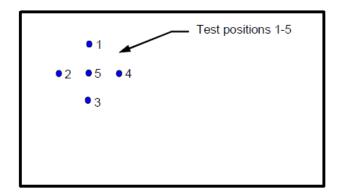
Summary of testing Tested according to EN ISO 15744 and declared according to ISO 4871:1984(E) Background noise measured in center of the measurement surface : 45.5 dB(A)

Corrections for background noise K_1 0 dB, due to $\Delta L > 15$ dB

Chemicar Europe nv Baarbeek 2 2070 Zwijndrecht België-Belgium T.: +32 3 234 87 80 F.: +32 3 234 87 89 info@chemicar.eu www.chemicar.eu Test room Leght test room: 6.4m

Width test room: 3.6 m

Height ceiling: 2.8 m



Type of tool	Rated Speed (rpm)	Orbital dia. (mm	Tool weight (kg)	Feed force (approx. N)	Loading condition
4" Stripping off tool	4 000	-	1.42	-	Running free with a 4" wheel

Supplementary values :

Machine		A-weighted Sound Pressure level (dB)							
Туре	Psmax (bar)	Mic. Pos. 1	Mic. Pos 2	Mic. Pos. 3	Mic. Pos. 4	Mic. Pos. 5	Leq. mean		
-	-	47.2	45.6	44	45	45	45.5		
4" Stripping off tool	6.2	89.4	92.3	92.9	90.2	89.1	91.1		

Туре	Psmax (bar)	Mic. Pos. 1	Mic. Pos 2	Mic. Pos. 3	Mic. Pos. 4	Mic. Pos. 5	Peak value
-	-	47.2	45.6	44	45	45	45.5
4" Stripping off tool	6.2	89.4	92.3	92.9	90.2	89.1	91.1

Main value:

1	A-weighted sound pressure level in dB(A) (LpA)	87.2
2	A-weighted sound power level in	98.2
	dB(A) (LwA)	
3	C-weighted sound pressure level at work	103.6
	station in dB(C) (LpC, peak)	

The above information is given in good faith, but the user should assure himself that the performance of the product is sufficient for his application. The quoted values are average and should not be taken as maximum or minimum values for specific purposes. Chemicar Europe cannot be held responsible for product failure unless full testing has been carried out. The client has to decide on the products suitability for their own applications.

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