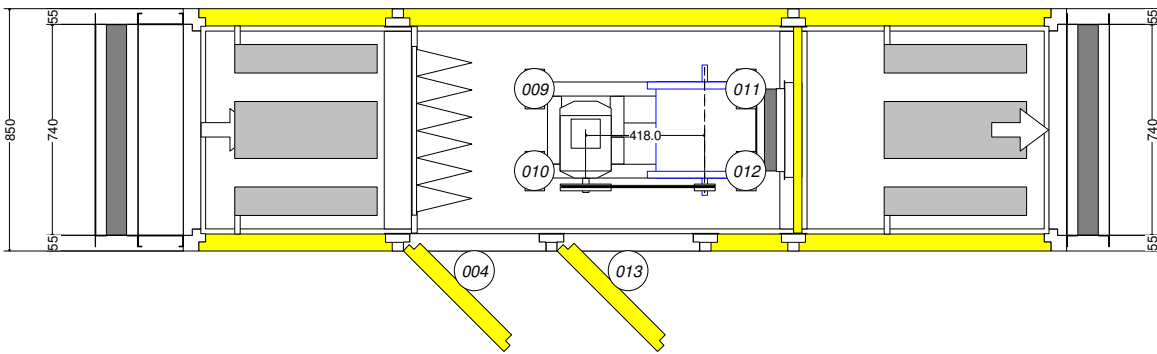
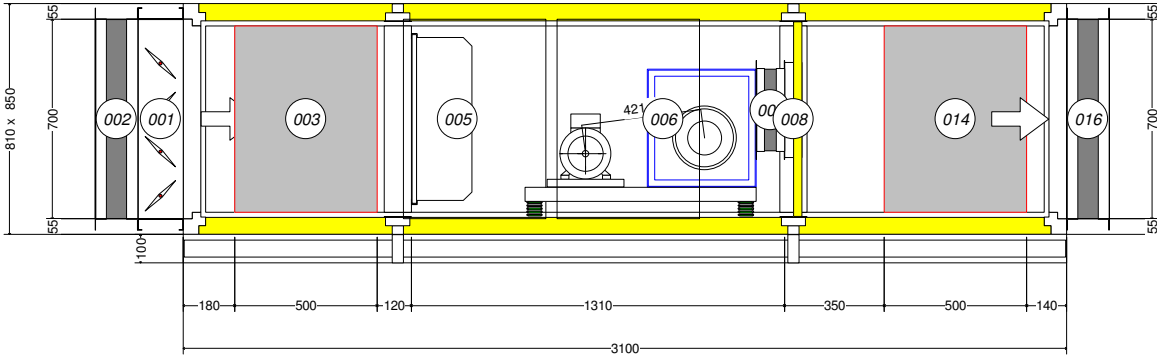
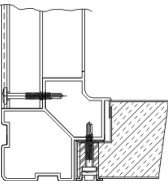


09/06/2008	04/07/2008	P 1 / 7	57732128	A=AAINGIMMRTUSIYI[_acekqzv]	Nexus-1 ver.602.3015	0
Project				Model		
3618				YMA - 0810H-0850W		
Ref.				Flow		
AHU-Akku-el				0.78 m3/s		

01	FA DAMPER 700 x 740 mm	03	500 mm x 200 mm x 100 mm	05	G4	06	RDH 225 R - 3407 RPM - 1.10 kW
14	500 mm x 200 mm x 100 mm	15	FA DAMPER 700 x 740 mm				



PANELS / FRAME			Break out Airborne sound power (dB)								
	Thickness	60 mm		A	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz
	Insulation	polyurethane 40 kg/m3		59.1	64	54	57	55	47	28	21
	External sheet	CA26-06	Preplasticized steel sheet 0.6 mm - WHITE A26	Mechanical characteristics (EN1886)							
	Internal sheet	CZINC06	Galvanised Steel 0.6 mm -	Casing strength	Casing air leakage	Thermal transmitt.	Thermal bridging				
ALUMINIUM FRAME	PR55		<b>D1</b>	<b>L1</b>	<b>T3</b>	<b>TB4</b>					
BASE FRAME	CBZN{ H = 100 mm }										

NOTE :

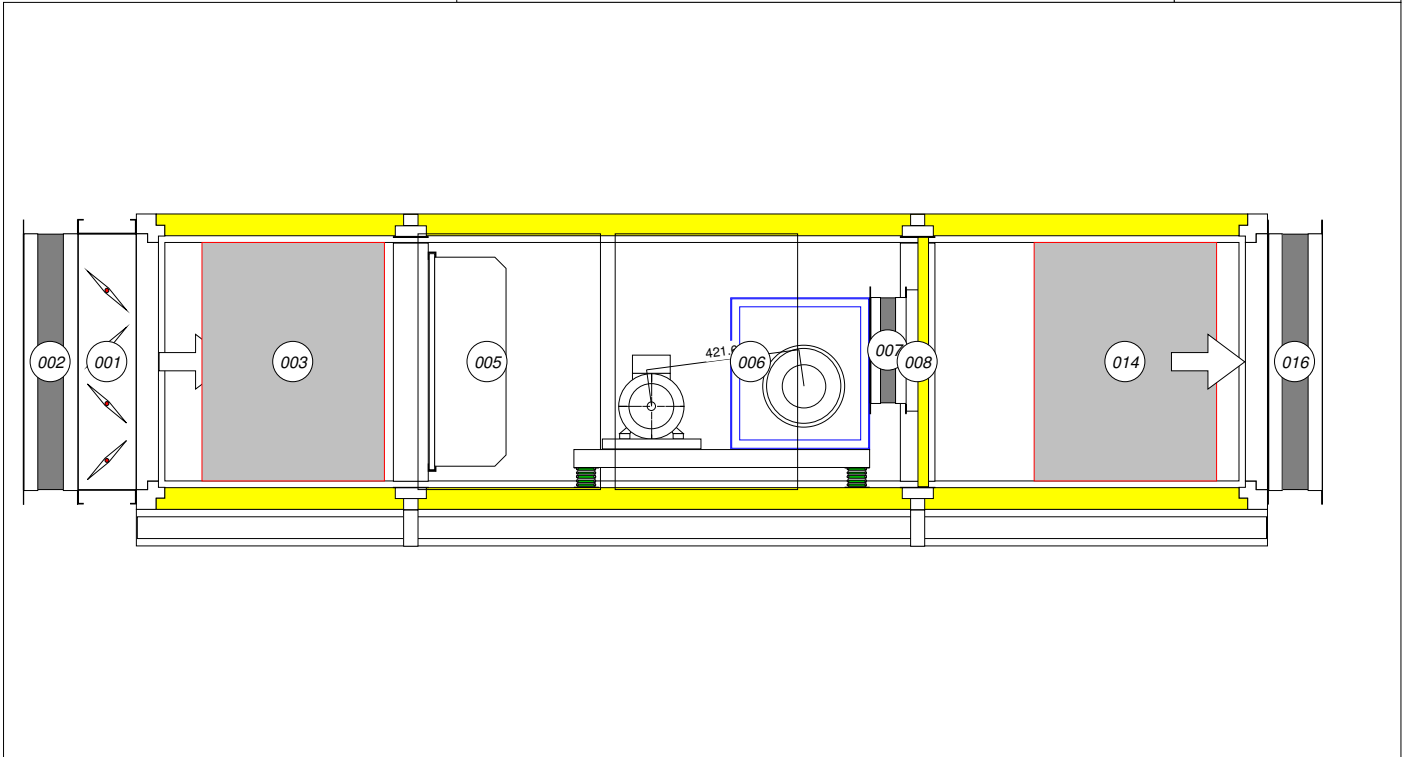
Total weight

**324 kg**



**SOUND DATA**

09/06/2008	04/07/2008	P 2 / 7	57732128	A=AAINGIMMRTUSIY[[_acekqzv 00030000	Nexus-1 ver.602.3015 NXSCSTSVRI-L069	0
Project 3618					Model YMA - 0810H-0850W	
Ref. AHU-Akku-el					Flow 0.78 m3/s	



**IN-DUCT SOUND POWER LEVEL dB**

		125	250	500	1000	2000	4000	8000	A
<b>INLET</b>		<b>74</b>	<b>70</b>	<b>62</b>	<b>54</b>	<b>48</b>	<b>46</b>	<b>45</b>	<b>65.7</b>
003	500 mm x 200 mm x 100 mm	-4	-8	-15	-20	-23	-16	-11	
005	G4	-1	-1	-1	-1	-3	-3	-4	
<b>006</b>	<b>RDH 225 R - 3407 RPM - 1.10 kW</b>	<b>79</b>	<b>79</b>	<b>78</b>	<b>75</b>	<b>74</b>	<b>65</b>	<b>60</b>	<b>81.2</b>
014	500 mm x 200 mm x 100 mm	-4	-8	-15	-20	-23	-16	-11	
<b>OUTLET</b>		<b>75</b>	<b>71</b>	<b>63</b>	<b>55</b>	<b>51</b>	<b>49</b>	<b>49</b>	<b>66.8</b>

**AIRBORNE SOUND POWER LEVEL dB**

125	250	500	1000	2000	4000	8000	A
<b>64</b>	<b>54</b>	<b>57</b>	<b>55</b>	<b>47</b>	<b>28</b>	<b>21</b>	<b>59.1</b>

09/06/2008	04/07/2008	P 3 / 7	57732128	A=AAINGIMMRTUSIYI[_acekqev]	Nexus-1 ver.602.3015	0
Project				3618	Model	
Ref.				AHU-Akku-el	Flow	
					YMA - 0810H-0850W	
					0.78 m3/s	

<b>001</b>	<b>FRESH AIR</b>					
	Flow 0.78 m3/s	Dimensions 700 x 740 mm	Model A160	Air vel. 1.50 m/s	Pressure drop 1 Pa	
	Damper Yes	Flexible connection Yes	Louvre No	Actuator NO		

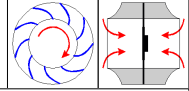
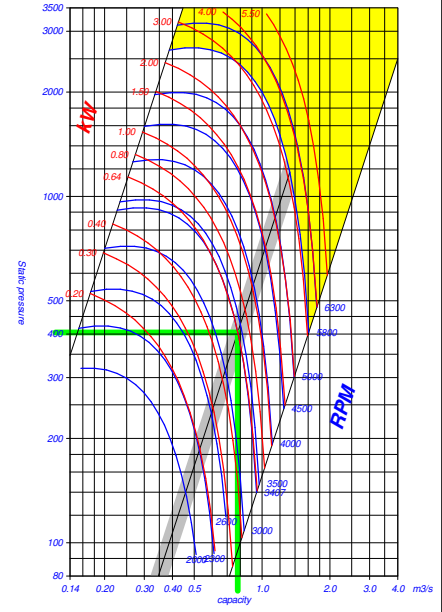
<b>003</b>	<b>SOUND ATTENUATOR</b>					
	Air Volume 0.78 m3/s	Air velocity 5.35 m/s	Pressure drop 19 Pa			
	Splitters length 500 mm	Splitters thickness 200 mm	Air space 100 mm	Perforated plate NO		

<b>004</b>	<b>ACCESS DOOR</b>					
	Dimensions 700 x 500 mm		Handles + Hinges			

<b>005</b>	<b>FILTERS</b>									
	STAGE #	Air Volume	CLASS	TYPE	Model	QTY. FULL SIZE	QTY. HALF SIZE	LENGTH MM		
	1	0.78 m3/s	<b>G4</b>	BAG	HICAP-195-G4	1	0	195 mm		
	Frame				Galvanised Steel					
		Clean 37 Pa	Final 185 Pa	Avg 111 Pa						
<b>ACCESSORIES</b>										

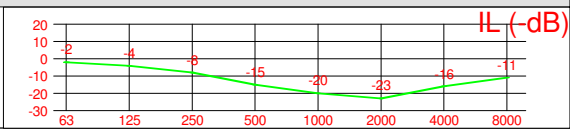
09/06/2008	04/07/2008	P 4 / 7	57732128	A=AAINGIMMRTUSIYI[_acekqzv]	Nexus-1 ver.602.3015	0
Project				Model		
3618				YMA - 0810H-0850W		
Ref.					Flow	
AHU-Akku-el					0.78 m3/s	

SUPPLY FAN							
FAN	MOTOR	V-BELT DRIVE			ACCESSORIES		
Model 1 x RDH 225 R	Qty & motor model 1xD90SN-4P-1,1KW	Fan pulley 75SPZ1+BU110820			<input checked="" type="checkbox"/> Belt drive		
Flow 1 x 0.78 m3/s	BROOK	Motor pulley 180SPZ1+BU161024					
Fan outlet vel. 9.40 m/s	Nominal motor power 1.10 kW	Belts 1 x SPZ1250					
Ext. static 250 Pa	motor RPM 1410 rpm						
Min. I.P.D. 81 Pa	Motor efficiency 77.50 %						
Max I.P.D. 229 Pa	In 2.59 Amp						
Avg. I.P.D. 155 Pa	Is/In 77.50						
Avg. I.P.D. 155 Pa	Power factor 0.81						
Total static pressure 405 Pa	Start Power factor						
RPM 3407 rpm	Nominal torque 7.50 Nm						
Efficiency 55.85 %	Locked rotor torque Ts/Tn 2.20						
Shaft power[0.00] 1 x 0.64 kW	Maximum torque Tmax/Tn 2.70						
		-5%	-2.5%	100%	+2.5	+5%	
Air volume	m3/s	0.741	0.760	0.780	0.799	0.819	
Total static pressure	Pa	466	435	405	374	343	
Shaft power	kW	0.642	0.641	0.640	0.639	0.637	
Electrical Power Input	kW	0.961	0.959	0.958	0.956	0.954	
SFP1		0.866	0.843	0.820	0.799	0.778	Vibration monitoring (sensors+teflon cable+BNC termination box) NO
SFP2		1.297	1.261	1.228	1.195	1.165	Vibration class BV-2 ISO1694:2003 5.6 mm/s RMS filter in @ rot. freq.
In-duct sound power (dB)							
A	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz
81.2	79	79	78	75	74	65	60



ACCESS DOOR							
Dimensions 700 x 500 mm		Handles + Hinges					

SOUND ATTENUATOR			
Air Volume 0.78 m3/s	Air velocity 5.96 m/s	Pressure drop 23 Pa	
Splitters length 500 mm	Splitters thickness 200 mm	Air space 100 mm	Perforated plate NO



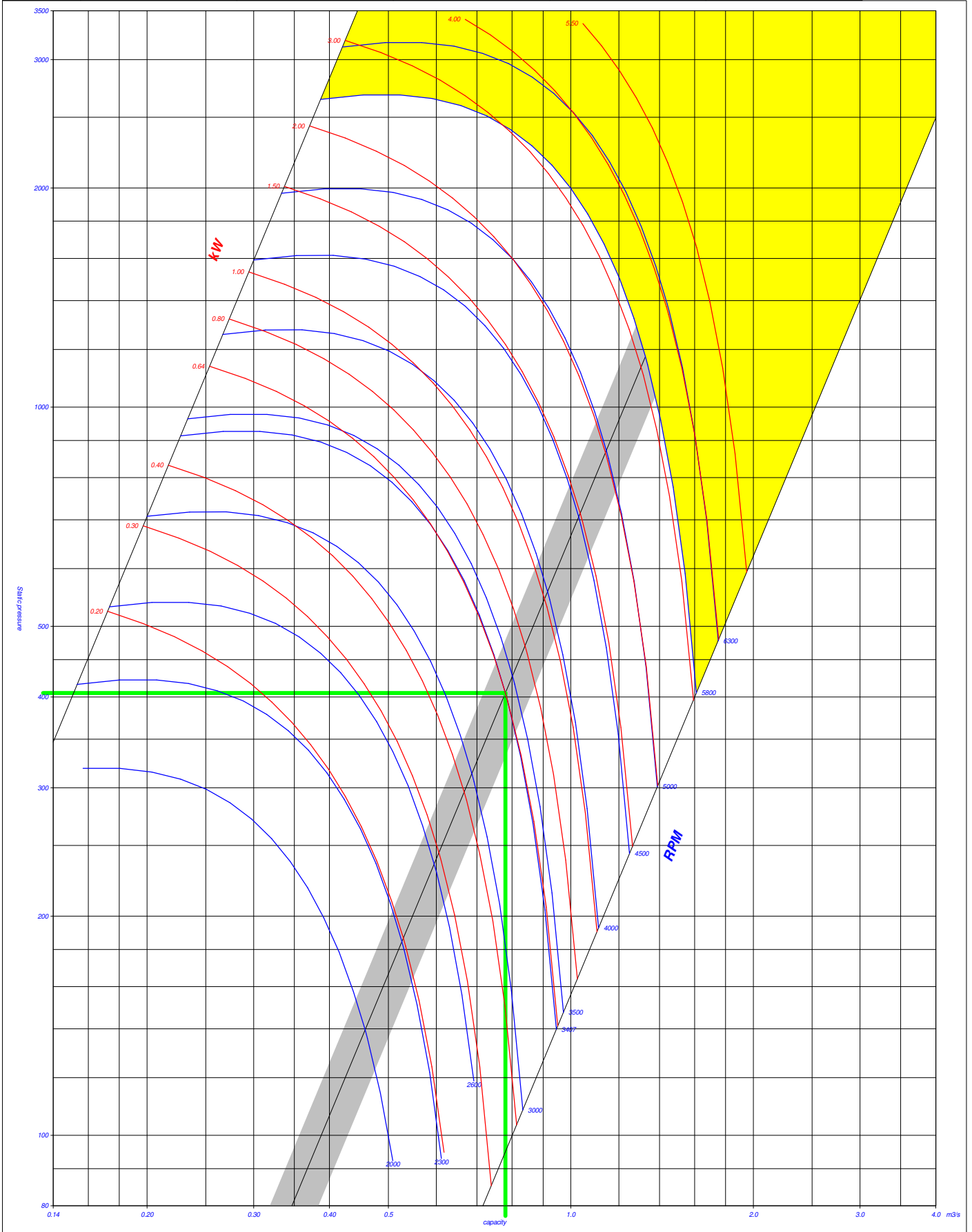
FRESH AIR				
Flow 0.78 m3/s	Dimensions 700 x 740 mm	Model	Air vel. 1.50 m/s	Pressure drop 1 Pa
Damper No	Flexible connection Yes	Louvre No	Actuator NO	



### FAN OPERATING POINT

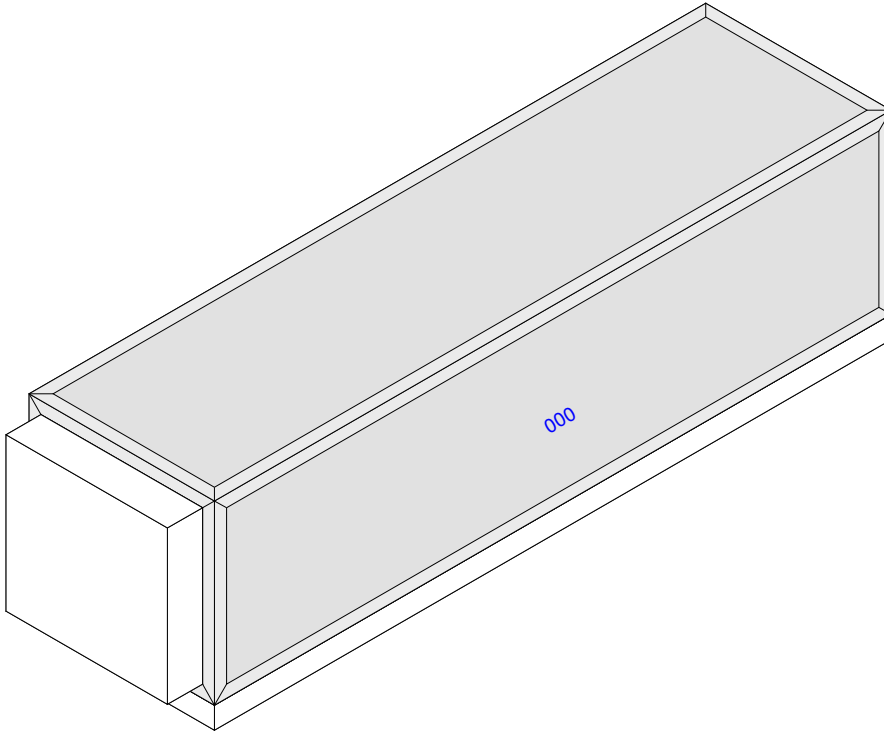
09/06/2008	04/07/2008	P 6 / 7	57732128	A=AAINGIMMRTUSIYI[_acekqev]	Nexus-1 ver.602.3015	0
Project				Model		
3618				YMA - 0810H-0850W		
Ref.					Flow	
AHU-Akku-el					0.78 m3/s	

Item	Model	Air Volume	Static Press.	RPM	Shaft power
006	RDH 225 R	0.78 m3/s	405 Pa	3407	0.64 kW



**DATA SHEET**

09/06/2008	04/07/2008	P 7 / 7	57732128	A=AAINGIMMRTUSIYI[_acekqzv]	Nexus-1 ver.602.3015	0
Project			3618	Model		YMA - 0810H-0850W
Ref.			AHU-Akku-el	Flow		0.78 m3/s



ITEM	Dimensions			Shipping dimensions			
	L mm	W mm	H mm	L mm	W mm	H mm	Kg
--000	3100	850	910	0	0	0	324