

Technical Data Sheet

BRANDT™ ALPHA™ Shaker

REFERENCE	REFERENCE DESCRIPTION	
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1 ALPHA™ SHAKER SPECIFICATION

Nominal technical data for the ALPHA™ Shaker are shown in Table 1-1.

Table 1-1: ALPHA Shaker Specification

Description	US Customary	SI (International System)
Overall Length	120 in	3048 mm
Overall Width	81 5/8 in	2073 mm
Overall Height	65 in	1651 mm
Skid Length	116 in	2946 mm
Skid Width	64 1/16 in	1627 mm
Weir Height	41 3/16 in	1046 mm
Mass (Dry)	5500 lb	2495 kg
Center of Gravity	See Figure 1-1	
X	33 3/4 in	857 mm
Y	24 3/4 in	629 mm
Z	63 3/16 in	1605 mm
Ambient Operating Temperature	-13°F to +104°F	-25°C to +40°C
Voltage/Frequency	3-Phase, 460-480V, 60Hz	
Power Consumption (Max)	5kW per Single Shaker	
G-Force Nominal (Dry)	7+ G	
Motion Type	Linear Motion	
Pneumatic	80 psi to 90 psi	5.51 Bar to 6.2 Bar
Noise Level (at 1 Meter)	-	
A Weighted	69.7 dBA	
C Weighted (Peak)	86.3 dBC	
Certification		
Hazardous Area – North America	Class I, Division 1, Group CD, Temperature Class T4	

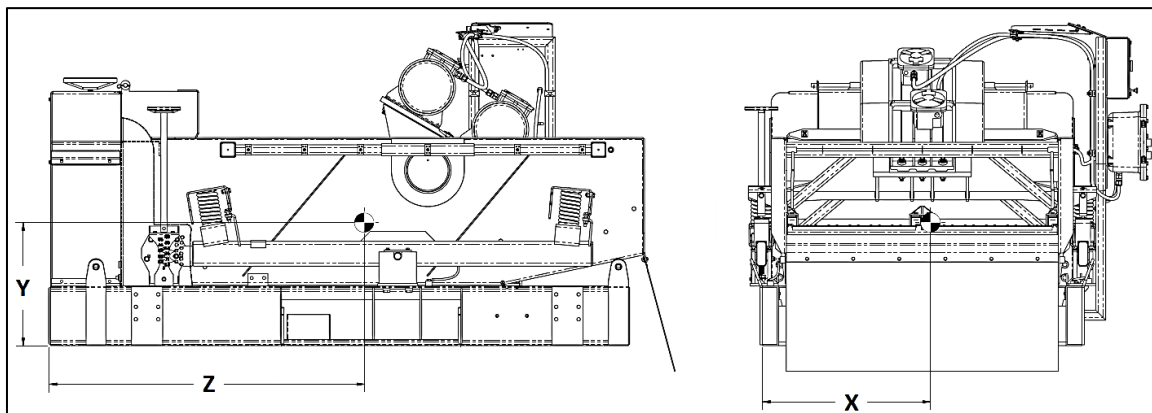


Figure 1-1: Center of Gravity – Shaker

2 BASKET AND SCREEN DECK

Specifications for the ALPHA Shaker basket and screen deck are shown in Table 2-1.

Table 2-1: ALPHA Basket Specification

Description	ALPHA Basket without Motors		ALPHA Basket with Motors	
	US Customary	SI (International System)	US Customary	SI (International System)
Overall Length	100 7/8 in	2562 mm	100 7/8 in	2562 mm
Overall Width	69 7/8 in	1775 mm	69 7/8 in	1775 mm
Overall Height	37-7/8 in	962 mm	47 11/16 in	1211 mm
Mass (Dry)	2340 lb	1061 kg	2940 lb	1334 kg
Center of Gravity	See Figure 2-1		See Figure 2-2	
X	27 9/16 in	700 mm	27 9/16 in	700 mm
Y	14 5/8 in	371 mm	18 13/16 in	478 mm
Z	51 3/4 in	1314 mm	54 in	1372 mm
Basket Angle	Adjustable -2° to +3°			
Number of Screens	6			
Deck Type	+5°			
Deck Area	34.7 ft ²	3.2 m ²	34.7 ft ²	3.2 m ²

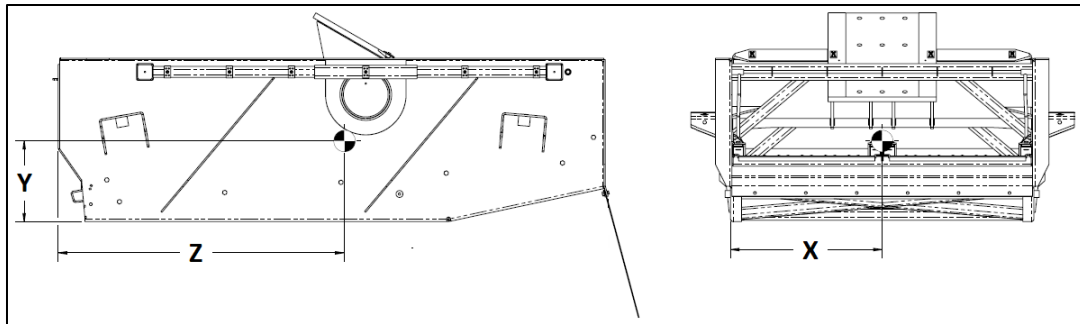


Figure 2-1: Center of Gravity – Basket without Motors

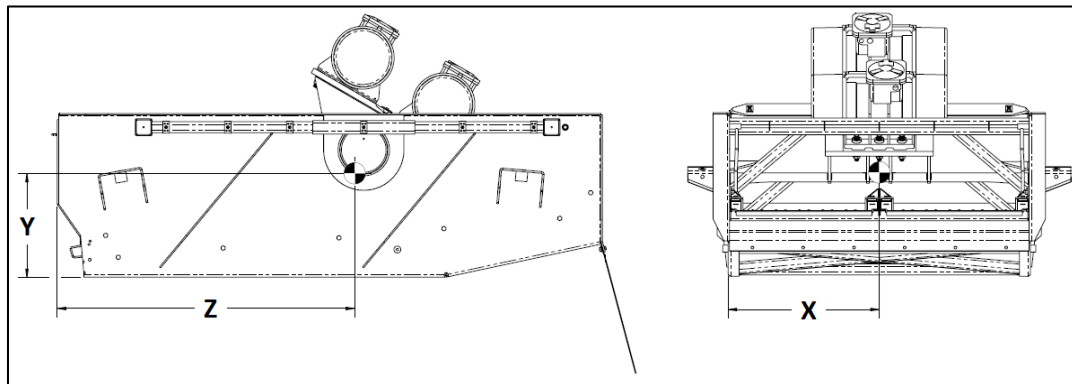


Figure 2-2: Center of Gravity – Basket with Motors