

TECHNICAL SPECIFICATIONS : SPIRAL WASTE BIN & BIN LIFTER SYSTEM

TECHNICAL SPECIFICATION : SPIRAL WASTE BIN SYSTEM												
Model Type	SWB-4	SWB-6	SWB-8	SWB-10	SWB-12	SWB-14S	SWB-14D	SWB-16D	SWB-18D	SWB-20D	SWB-22D	SWB-24D
Operation	Power Screw Discharge (Single Screw System)						Power Screw Discharge (Double Screw System)					
Capacity (cubic metre)	4.4	6.3	8.2	10.2	12.1	14.1	14.4	16.4	18.8	20.6	22.1	24.1
Dimension (Length) mm	3095	3095	3595	3595	3595	3595	5125	5125	5125	5125	5125	5125
Dimension (Width) mm	2220	2220	2220	2220	2220	2220	2220	2220	2220	2220	2220	2220
Dimension (Height) mm	2745	3145	3045	3395	3745	3945	2945	3145	3395	3595	3745	3945
Dry Weight (Tons)	3.5	3.7	4.1	4.3	4.5	4.7	5.8	5.9	6.0	6.1	6.2	6.3
Laden Weight (Tons)	5.1	6.1	7.3	8.3	9.3	10.3	11.4	12.3	13.2	14.1	15.0	15.9
Body	Material : SS400 structural steel or equivalent Roof Thickness - 4.5mm Side Thickness - 4.5mm Base Thickness - 9.0 mm Support Structure (Chassis) - 15.0 mm						Material : SS400 structural steel or equivalent Roof Thickness - 4.5mm Side Thickness - 4.5mm Base Thickness - 9.0 mm Support Structure (Chassis) - 15.0 mm					
Main Screw	Material : SS400 structural steel or equivalent Blade Thickness : 12.0 mm						Transfer Screw			Discharge Screw		
Dimension	Ø630 x 2001mm x 650P Shaft - S450 Ø130		Ø680 x 2445mm x 700P Shaft - S450 Ø140				Dimension : Ø630 x 1480mm x 650P Shaft - S450 Ø130 Blade - SS400 + 12mm Pipe - STKM 13A			Dimension : Ø680 x 2445mm x 700P Shaft - S450 Ø140 Blade - SS400 + 12mm Pipe - STKM 13A		
Driving device for discharge screw : (Geared Motor)	Motor : 3Ø, 4Pole, 4.0kw Reduction Gear : 1/180 Sprocket : SS41, #140		Motor : 3Ø, 4Pole, 4.0kw Reduction Gear : 1/180 Sprocket : SS41, #160				Motor : 3Ø, 4Pole, 4.0kw Reduction Gear : 1/180 Sprocket : SS41, #140			Motor : 3Ø, 4Pole, 4.0kw Reduction Gear : 1/180 Sprocket : SS41, #160		
	Transmission : Roller Chain						Transmission : Roller Chain					
Discharge Gate :	SS400 structural steel or equivalent 3.2mm thick											
Primary Power Supply	3Ø, 415V, 32Amp (Type "C")											
Foundation for Machine Structure	The lower frame of the body is used as the installing member											
Drainage System	Drainage Pipe will be located at the lower point of the storage chamber											
Painting / Coating	All the internal and external surface shall be degreased with grit blasted to SA2.5											
External Surface	One full coat of fast drying epoxy zinc phosphate primer of 50 microns dry film thickness (Epilux 610 Primer Red) One full coat of epoxy micaceous iron oxide primer of 100 microns dry film thickness (Epilux 58 MIO Silver Gray) One full coat of high built epoxy mastic of 100 microns dry film thickness (Epilux 4 finish BS0012 - Signal Blue)											
Internal Surface	Two coats of Coal Tar Epoxy of 200 microns dry film thickness (Epilux 5 Coal Tar Epoxy Black)											
Control Panel	Status indicator for incominimum phase; Voltage and current meter; Status indicator for screw and gate motors; Status indicator for washing device											
Accessories	Manual washing device with ball-valve control for discharge chute Automatic thermal fire sprinkler system & automatic drainage (optional)											
Note : The above specifications are subject to changes due to the need for continuous improvement without the need of any prior notice from the part of our company (January 2024)												
Manufactured & Distributed by : MAHA MEKAR SDN. BHD. Tel (03) 7728 3412 Fax (03) 7731 0169 E-Mail : mahamekar@gmail.com												

BIN LIFTER SYSTEM	
Model : CD FIT 3.5M Single Lift (SL)	
Operation	: Chain driven fork insertion type
Application	: Suitable for 120 & 240-Litre Mobile Garbage Bins (MGB)
Vertical Lift	: RHE Overall Height + 800mm
Dimensions	: Overall external length x width x height : 1498 x 360 x (RHE overall height + 800)
Weight	: 0.6 Tons
Body	: SS400 structural steel or equivalent
Lifter device	: Material Use : 1) Plate - SS41 Thickness 6-15mm : 2) Hollow Section - SS41 75mm x 50mm : 3) Pipe - Sch. No. 80 (XS) OD60.3mm
Driving Device	: Geared Motor 3 phase; 415 volt; 50 Hz; 1.5 kw
For Bin Lifter	: Worm Gear - 14.0 RPM : Sprocket - SS41, #60 : Transmission: Roller Chain : Bearing - UCF 209D1
Inlet Gate	: Material - 3.2 mm thick structural steel
Driving Device	: Electric Geared Motor
For Inlet Gate	: 3 phase; 415 volt; 50 Hz; 0.37 kw : Control - Integrated into machine automatic operation.
Power Supply	: Minimum Requirement - 3Ø, 415V, 32Amp (Type "C")
	