

t-max

HOPPER LOADERS

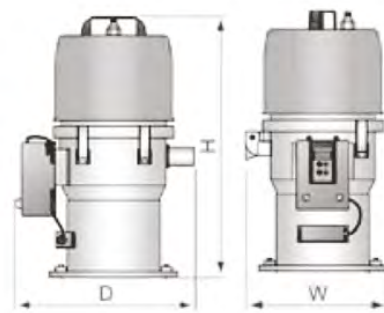
www.t-max.com.tr

Hopper Loaders

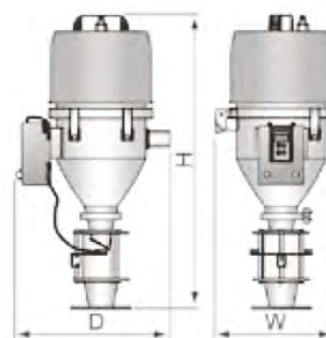
TAL-6U

Euro design with stainless stainless hopper to keep material from pollutions, in addition, it has an attractive and polished appearance, and a sound proof motor cover to reduce noise level. And it is convenient by using a detachable control panel.

With more that 30 years experience and the spirit of innovation and pursuing for excellence, we have been developing various top quality hopper loaders for conveying all kinds of plastic materials. Stainless steel hopper and high efficiency vacuum blower are adopted for all those machines They are also equipped with motor overload relay and material shortage alarm. Those hopper loaders are light-weighted and reliable, and also they are featured with superior suction power, easy installation and convenient operation.



TAL-U



TAL-U-E

TECHNICAL FEATURES

Model	TAL-1.5U	TAL-3U	TAL-6U	TAL-12U	TAL-1.5U-E	TAL-3U-E	TAL-6U-E	TAL-12U-E
Motor Power (kW)	0.42	0.42	1.15	1.15	0.42	0.42	1.15	1.15
Vacuum Connection Diameter (inch)	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
Material input diameters (Inch)	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
Capacity (kg/hour)	150	200	300	400	150	200	300	400
Hopper Volume (liter)	1.5	3	6	12	1.5	3	6	12
Power Supply	1Ø, 230V, 50Hz							
Reverse Cleaning Kit								
Air Accumulator								
Dimensions								
Height H (mm)	525	555	645	745	670	740	800	935
Width W (mm)	270	305	340	340	260	305	340	340
Depth D (mm)	325	370	410	410	325	370	410	410
Weight	10	11	12	14	11	13	16	18

Plus:

- 1) Device that can auto-cleaning filter screen (use C to refer to, for example: TAL-3U-C...) use 4-6lg/cm² pressure air.
- 2) Air accumulator (apply to TAL-6U,12 model only, use A to refer to, for example: TAL-6U-CA...)
- 3) Conveying capacity test standard: (height:4m)

FEATURES

- » TAL-1.5U TAL-12U uses carbon brush motor with high rotation speed, large air flow. It is easy to install and move the relatively small machine.
- » Microprocessor control is easy to operate. Control the machine accurately with multiple alarm indicators.
- » Indicators of motor started assurance.
- » European two-proportion-valve electrical control function (optional)
- » Hopper and Base can be adjusted to arbitrary direction.
- » TAL-U use the magnetic switch while TAL-U-E use the photoelectric proximity switch. It is sensitive and in stable quality.
- » All models are equipped with hinged hopper cover convenient to clean the filter.
- » TAL-3U/6U and other larger models can be equipped with outer dia 275mm base, and mounted with hopper dryers THD-40U/THD-12 and other larger models (installation size: 180mmx180mm)
- » TAL-1.5U model equipped with outer dia 220 mm base can be mounted with THD-20U/40U (installation size 140mmx140mm)
- » TAL-U series are all with cloth filter, auto spray cleaning dust removal device. Spray cleaning accumulators are optional to be used with TAL-6U and other larger models in order to reduce the manual cleaning times, and keep the equipment operation function.
- » Standard insulated European aggregate bin TCH-6U 12U/24U are optional. Equipped with aggregate bin under the hopper with magnetic switch, the loader can be directly mounted to the injection molding machine. Upgraded to European Safety Circuit, add "CE" to the model.

Vacuum-Hopper Loaders

The TAL-300 Series use a high-speed motor in this lightweight and compact unit. With superior suction power and easy installation it is particularly suitable for conveying new materials. The TAL-400 series use a high voltage inductive motor with low noise level and long life span. It also has an automatic reversal dust cleaning device.



TAL-400C

FEATURES

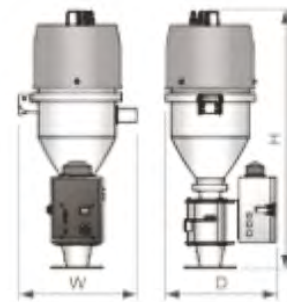
- » Easy operation and maintenance
- » Stainless steel hopper
- » Motor protective device
- » Buzzer is an option for material shortage alarm.
- » Auto reversal filtering device and cloth-made filter are standard accessories.
- » TAL-300E equips with photo sensor and suitable to install on the material inlet of moulding machine.



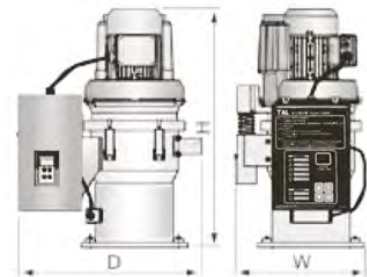
TAL-300E

TECHNICAL FEATURES

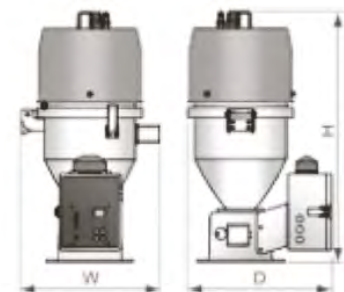
Model	TAL-300C	TAL-300G	TAL-300E	TAL-400C
Motor Type	Monophase	Monophase	Monophase	Three-phase
Motor Power (kW)	1150	1150	1150	750
Transportation Capacity (kg/hour)	180	180	180	250
Hopper Volume (liter)	6	6	6	6
Transportation Pipe	Φ38	Φ38	Φ38	Φ38
Input Voltage	1Φ, 230V,50Hz			3Φ,400V,50Hz
Raw Material Level Control	With Flap	With Flap	With sensor	With Flap
Textile Filter	Standard		Standard	Standard
Automatic Cleaning Function			Standard	Standard
Dimensions				
Height (mm)	595	595	730	670
Width (mm)	300	300	300	280
Depth (mm)	395	395	365	450
Weight	13	12	17	26



TAL-300E



TAL-400C



TAI-300C

Seperate-Vacuum Hopper Loaders

TAL-800G

Separate-vacuum hopper loaders are suitable for conveying material over long distance. The material hopper is installed away from the main unit and use a stainless-steel hopper to eliminate material contamination. Superior suction power is continuously available from the highly efficient vacuum blower. Each model is completed with motor overload protector to prolong its life, and is also fitted with material shortage alarm.



TAL-800G



TAL-700G+TMH-6L



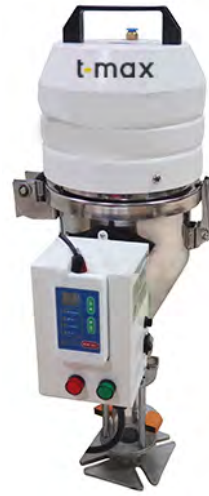
TAL-800G+TMH-6L

SEPERATE-VACUUM HOPPERS LOADERS

t-max

FEATURES

- » Separate design of main unit and hopper receiver allows a great level of convenience when in use.
- » Stainless hopper receiver to eliminate contamination.
- » Microprocessor controlled for ease of use.
- » Digital display clearly show operating status.
- » Motor overload protector ensures long motor life.
- » Audible material shortage alarm.
- » Filter designed for easy cleaning.
- » Observation window to check air filter status.
- » Vacuum hopper receiver (TMH type) can be mounted directly to machine hopper; glass-tube hopper receiver (TVH type) can be mounted directly to machine throat.



Glass Tube Chamber



TAL-700G+TMH-6L



TAL-800G+TMH-6L

TECHNICAL FEATURES

Model					Hopper Receiver			Weight (kg)	Transportation Pipe Diameter (inch)	Transportation Capacity (kg/hour)
Model	Motor Type	Motor Power (kW)	Dimensions YxExB (mm)	Weight (kg)	Applicable Model	Capacity (L)	Dimensions YxExB (mm)			
TAL-700G	Monophase	1.15 (1Φ)	710x540x390	18	TMH-6L	6	450x260x300	6	1.5"	300
					TVH-6L		585x260x330	7		
TAL-800G	Three-phase	0.85 (3Φ)	370x620x420	40	TMH-6L	6	450x260x300	6	1.5"	300
					TVH-6L		585x260x330	7		
TAL-800G2	Three-phase	1.6 (3Φ)	710x540x390	47	TMH-12L	12	530x310x350	7	1.5"	500
					TVH-12L		680x310x350	10		
TAL-900G	Three-phase	0.85 (3Φ)	620x365x600	50	TMH-6Lx1	6	450x260x300	6	1.5"	500
							585x260x300	7		
							450x260x300	6		
							585x260x300	7		
TAL-900G2	Three-phase	1.6 (3Φ)	680x375x740	56	TMH-12Lx1	12	530x310x350	7	1.5"	700
							680x310x350	10		
							530x310x350	7		
							680x310x350	10		

- "2" stands for 2HP blower.
- "G" stands for separate design of hopper receiver (s) and main unit.
- "TMH" stands for vacuum hopper receiver, "TVH" stands for glass-tube hopper receiver.
- Test condition of conveying capacity: vertical conveying height: 4m
- Power supply 3Φ, 400V, 50Hz for all models except TAL-700G (1Φ, 230V, 50Hz)



TAL-700G



TAL-800G/800G2



TAL-900G/900G2

Euro Series-High Capacity Hopper Loaders

TAL-UG

The TAL-US series separate-vacuum hopper loaders are based on the established design and now are featured with more attractive appearance better performance, and improved ease of operation. The whole range comprises of seven models equipped with vacuum blower from 1HP to 15HP Economy modes can be offered on request. The TAL-US series separate-vacuum hopper loaders have all features that come with THL-US series There is also double-stage blower available as an option. Different model of hopper is available for each individual output capacity needs especially suitable for 30% and 100% powder loading.



TAL-UG



THR-U

FEATURES

- » Data backed up on EEPROM in case of power failure.
- » It consists of a cyclone dust separator and a dust collective bin to effectively reduce the load of filter. It can be equipped with two proportional valve.
- » Stainless steel mesh filter as standard. Optional filter cleaning device available for automatic cleaning and air accumulator to TAL-12U-C CE and above.
- » Economy models can be offered on request. (cloth filter as standard second filter is removed)
- » Provide both standard and optional heat-insulative Euro collective hopper TAL- 6U / 12U / 24U for selection (except for TAL-UGP series which will use special collective hopper)
- » Based on customer's demand, the cloth bag type and plate-type filters can be selected to the machine.
- » The air accumulator and self-cleaning device are standard equipment
- » On customer's demand, TAL- UG main unit (3.5HP and above) can be equipped with either single stage or double stage blower.
- » Upon request, it can be built to comply with worldwide electrical safety standards.



THR-U

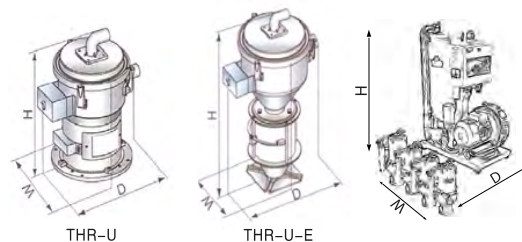
THR-U-E



TECHNICAL FEATURES

Model	Main Unit			Hopper Receiver				Loading Pipe Diameter	Air Suction Pipe Diameter (inch)	Loading Capacity (kg/hour)
	Motor Power (kW)	Dimensions HxWxL (mm)	Weight (kg)	Applicable Model	Capacity (L)	Dimensions HxWxL	Weight (kg)			
TAL-1HP-UG	0.85(3φ)	1205x350x530	46	THR-6Ux1	6	420x285x360	6	1.5"	1.5"	300
		960x350x405	39	THR-6UEx1		600x275x360	8			
TAL-2HP-UG	1.6(3φ)	1205x350x530	46	THR-12Ux1	12	470x315x400	7	1.5"	1.5"	500
		960x350x405	39	THR-12U-Ex1		700x315x400	12			
TAL-3.5HP-UG	3(3φ)	1380x490x570	73	THR-24Ux1	24	690x315x400	9	2"	2"	750
		1110x420x545	62	THR-24Ux1		690x315x400	13			
TAL-5HP-UG	3.7(3φ)	1380x490x570	74	THR-24U-Ex1	24	1120x360x400	9	2"	2"	1000
		1110x420x545	65	THR-24U-Ex1		1120x360x400	13			
TAL-7.5HP-UG	3.5(3φ)	1830x585x675	156	THR-36Ux1	36	963x315x400	11	2"	2.5"	1200
		1200x460x580	112							
TAL-10HP-UG	7.5(3φ)	1830x585x675	160	THR-36Ux1	36	930x315x400	11	2"	2.5"	1600
		1200x460x580	116							
TAL-15HP-UG	11(3φ)	2100x680x800	228	THR-48Ux1	48	975x350x485	15	2.5"	3"	2000
		1260x560x800	210							

- "D" stands for double stages, "124 indicates 1 to 4 conveying function.
- Add "E" to the model, if the machine includes glass tube, photoelectric switch and check valve.
- Add "P" to the model, if the hopper's interior is polished.
- TAL-3.5HP-UG and other larger models can include vacuum breaker valve to improve the conveying capacity
- Noise level is 75dB.
- Condition of testing conveying capacity: plastic raw material granule density 0.65, dia 3-5mm, vertical conveying height 4m, horizontal conveying height 5m.
- Voltage: 3φ, 400V, 50Hz



THR-U

THR-U-E

"One-to-Six" seperate hopper loaders

TAL-UG

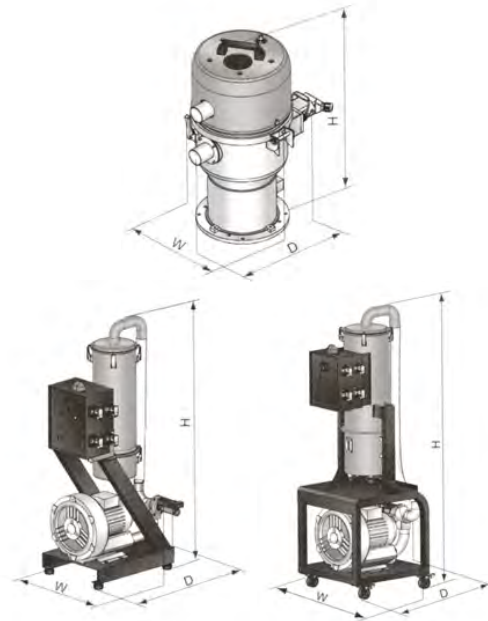
"One-to-Six" seperate hopper loaders are designed and developed on the basis of original Euro seperate-vacuum hopper loaders. They feature more functions, easy to operate, and convenient to install. This model, equipped with a high pressure blower and six THR-U type Euro central vacuum hoppers, is applicable to dehumidifying and drying unit (dehumidifying dryer "TDD") or storage hopper to process plastic materials. Besides, it can also realize the "One-to-Six" way of conveying material to different molding machines or hoppers to greatly lower the cost.



TAL-UG

FEATURES

- » “One-to-six” hopper loader can greatly lower the cost
- » WATCHDOG easy for trouble shooting
- » The dust collective chamber features a cyclone separator and a dust collective bin to effectively reduce the load of the filter.
- » To ensure smooth material conveying, hopper receiver has diaphragm valve equipped on.
- » Main unit equips with faults and motor overload indicators to show fault fast.
- » CE safety plug ensures safe and reliable operation
- » Universal mounting bracket for hopper receiver with max, adjustable can be supplied as an option.
- » Optional collective hopper can be directly mounted on the moulding machine, when working with a glass-tube.



TECHNICAL FEATURES

Model	Main Unit			Hopper Receiver				Loading Pipe Diameter (mm)	Air Suction Pipe Diameter (inch)	Loading Capacity (kg/hour)
	Motor Power (kW)	Dimensions HxWxL	Weight (kg)	Applicable Model	Capacity (L)	Dimensions HxWxL	Weight (kg)			
TAL-3.5HP-UGS	3(3Ø)	1380x490x570	73	THR-24Ux1	24	690x315x400	9	2"	2"	750
		1110x420x545	62	THR-24Ux1		690x315x400	13			
TAL-5HP-UGS	3.7(3Ø)	1380x490x570	74	THR-24U-Ex1	24	1120x360x400	9	2"	2"	1000
		1110x420x545	65	THR-24U-Ex1		1120x360x400	13			
TAL-7.5HP-UGS	5.5(3Ø)	1830x585x475	156	THR-36Ux1	36	963x315x400	11	2"	2.5"	1200
		1200x460x580	112							
TAL-10HP-UGS	7.5(3Ø)	1830x585x675	160	THR-36Ux1	36	930x315x400	11	2"	2.5"	1600
		1200x460x580	116							
TAL-15HP-UGS	11(3Ø)	2100x680x800	228	THR-48Ux1	48	975x350x485	15	2.5"	3"	2000
		1260x560x800	210							

- “D” denote as double stage blower. (“126” denote as one to six receiver system)
- “E” denote as machine direct mounted receiver (glass type).
- For polished inside hopper, add “P” at model behind.
- Vacuum breaking valve to protect the blower.
- Noise level is 75dB.
- Condition of testing conveying capacity: plastic raw material granule density 0.65, dia 3-5mm, vertical conveying height 4m, horizontal conveying height 5m.
- Voltage: 3Ø, 400V, 50Hz

t-max

Tepro Makina ve Otomasyon Sistemleri San. ve Tic. A.Ş.
İnönü Mah. Gebze Güzeller OSB, Nursultan
Nazarbayev SK. No:14, 41400 Gebze / Kocaeli
+90 (216) 709 26 00

www.t-max.com.tr