



Function

The illustration shows an example of Omega with feeding arrangement and recycling presuction system, screen section, and recycling aftersuction system. However, many other configurations exist.

Feed/presuction

As will appear from "Survey of models", there are 3 options of feeding/presuction arrangements:

- Drum feeding module type "O" is without presuction.
- Module "E" with drum feeding and open presuction.
- Module "R" has 2 distributor worms over the feed roller and frequency controlled and highly effective recycling cross flow air separation system.

Please consult "Selection of Feeding/Presuction and Discharge/Aftersuction" for the selection of feeding/presuction system.

Screen section

As will appear from "Screen flows and Guiding Capacities", 6 different screen flows (I - VI) with different advantages are available.

Please consult "Omega standard Screen flows and Guiding Capacities" for selection of screen flow.

Discharge/aftersuction

As will also appear from "Survey of models", there are 3 options of discharge/aftersuction arrangements:

- Discharge module "O" is just a discharge hopper without any aftersuction.
- Discharge module "E" features an open aftersuction system with aspiration compartment and auger for discharge of light waste.
- Discharge module "R" has a frequency controlled and highly effective recycling cross flow air separation system.

Please consult "Selection of feeding/Presuction and Discharge/Aftersuction" for the selection of discharge/aftersuction solution.

Screen specifications		9xlxx	12xlxx	18xlxx	24xlxx	30xlxx
Screen width	mm	1250	1250	1250	1250	1250
No. of screens	pcs.	9	12	18	24	30
Screen area	m ²	9	12	18	24	30

Motors		9xlxx	12xlxx	18xlxx	24xlxx	30xlxx
Feed roller (R, E, O)	kW	0.75	0.75	0.75	2 × 0.75	2 × 0.75
Presuction R fan, grain (standard)**	kW	3.0	3.0	3.0	-	-
Presuction R fan, peas/grain (special)**	kW	5.5	5.5	5.5	-	-
Presuction R aspiration worm	kW	0.37	0.37	0.37	-	-
Screen module, type 1	kW	7.5	5.5	7.5	7.5	15.0
Screen module, types 2, 3, or 4	kW	-	4.0	7.5	7.5	11.0
Aftersuction E aspiration worm	kW	0.37	0.37	0.37	2 × 0.37	2 × 0.37
Aftersuction R fan, grain (standard)**	kW	3.0	3.0	3.0	2 × 3.0	2 × 3.0
Aftersuction R fan, peas/grain (special)**	kW	5.5	5.5	5.5	2 × 5.5	2 × 5.5
Aftersuction R aspiration worm	kW	0.37	0.37	0.37	2 × 0.37	2 × 0.37

Air amounts		9xlxx	12xlxx	18xlxx	24xlxx	30xlxx
Presuction E***	m ³ /h	4000	4000	4000	2 × 4000	2 × 4000
Presuction R**	m ³ /h	800	800	800	-	-
Feeding module O	m ³ /h	300	300	300	300	300
(Exhaust from the screen box)*	m ³ /h	(300)	(300)	(300)	(300)	(300)
Aftersuction E***	m ³ /h	4000	4000	4000	2 × 4000	2 × 4000
Aftersuction R**	m ³ /h	800	800	800	2 × 800	2 × 800

Weight		9xlxx	12xlxx	18xlxx	24xlxx	30xlxx
Including modules E + O	kg	3300	3500	3900	4300	4500
Including modules E + E	kg	3600	3800	4200	4600	4800
Including modules R + O	kg	3200	3400	3800	4200	-
Including modules R + R	kg	4200	4400	4800	5200	-
Including modules E + R	kg	-	-	-	-	5200

* Non-standard

*** Air amount = 5000 m³/h when cleaning peas and beans

** Including frequency converter