

# Air consumption cylinders/machines

## Air consum. cylinders measured at 3.000 strokes p/h at 6 atm. (90psi)

Length Cylinder	Diameter 12	Diameter 20	Diameter 32	Diameter 40
300mm			156 NL/minute	243 NL/minute
250mm			130 NL/minute	202,5 NL/minute
200mm			104 NL/minute	
150mm			78 NL/minute	
100mm		20,5 NL/minute	52 NL/minute	
70mm		14,35 NL/minute		
50mm		10,25 NL/minute		
20mm	1,38 NL/minute	4,1 NL/minute		
16mm	1,1 NL/minute	3,3 NL/minute		
12mm	0,83 NL/minute	2,5 NL/minute		

## Air consumption in NL/minute per item

Machine	Measured speed	NL/minute
POP pot dispenser	3000 strokes per hour	10,25
LPO large pot dispenser	3000 strokes per hour	39,75
Osmocote dispenser*	1500 strokes per hour	52
Blowers continuous**	N.a.	262
Blowers per stroke	3000 strokes per hour	56,50
Placing robot NZ0-1 + staggering***	500 strokes per hour	83,50
Pick-up robot NZ100 + staggering***	500 strokes per hour	4,3
Compact pick-up NZL100	500 strokes per hour	
Compact placing NZL0-1	500 strokes per hour	
Linea Recta pick-up NZLR100	500 strokes per hour	
Linea Recta placing NZLR0-1	500 strokes per hour	

### Notes:

**NL = Nominal Liter p. m. x 0.264= gallon p.m. (GPM) : 7.48 = Cubic feet p. m. (CFM)**

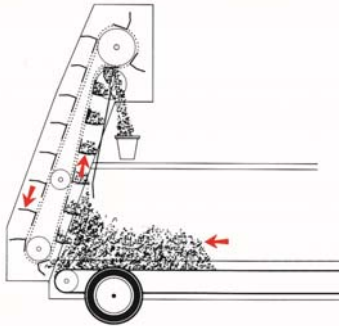
- Air consumption for a potting machine measured at 3,000 strokes per hour with a LPOD, AFLPR1, AFLA1 = 250 NL/minute (8.8 CFM)

- Intake capacity is mentioned in NL/minute.

\*The inner cylinder is adjusted at 2cm. (¾")

\*\* Not reduced, with a 2mm (3/32") blower opening

\*\*\* Staggering stroke at 100mm. (4")



## Javo Standard SE Potting machine (SEO-0)

### Specifications:

Voltage	400Volt 50z 3~+N+ PE (N. America 208/220V. 60Hz.)
Power connection machine	16A 3 phase 5 pin
Power	2,5kW
Switched plug box	1x 16A 3 phase 5 pin
Length	3240mm
Width	1200mm
Height	1980mm (6'7")
Weight	±800kg
Height take off belt	960mm
Max. capacity	2760 p. p/hour (pulley 118 with V-belt A28)
Min. capacity	1200 p. p/hour (pulley 118 with V-belt A28)
Min. pot size	5,5cm
Max. pot size	19cm
Amount potholders	20
Volume soil bin	700ltr
Maintenance set	16A plug, 3x open end wrench, 1x door key, 1x allen wrench, 2x locknut m10, 2x allen screw m8, 2x rubber washer
Drill holder (motor shaft 19cm)	Drill shaft 14mm

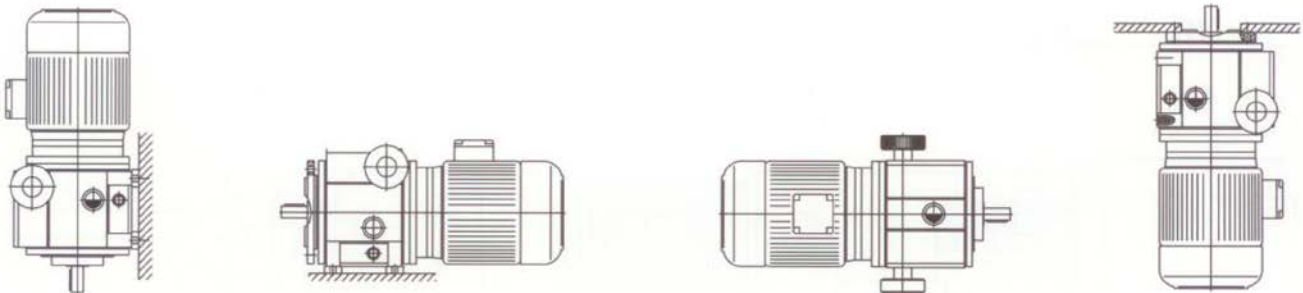
<b>Options:</b>	<b>Code:</b>	<b>Intern code:</b>
4mtr 5x1.5 cable incl. 16A plug	900965	
Continuous plug box	900966	Not standard.
Pulley with V-belt	SPA 90,	Vario pulley is too weak for this speed
Pulley with V-belt	SPA 100, A27	Speed 1.380 – 3.240 p.p./hour
Pulley with V-belt	SPA 140 A29,5	
Pulley with V-belt	SPA 180 A33	
Pulley with V-belt	SPA 190 A34	Speed 840 – 1.800 p.p./hour
Soil bin extension 1000mm	STO-1-9V1M	Total length 4240mm
Pot track extension	STO-1-V30H	30 holders (only i.c.w. STO-1-9V1M)
Pot track extension		24 holders
Pot track 250mm		16 holders (extended 24 holders)
Osmocote Dosing unit	ST90-13	
Drill interrupter	BO1	
Continuous running system	DLS	8.000 p. p/hour (depending on pot)
Take off double behind each other		Max. 12cm
Take off double next to each other 200		Max. 9cm
Take off double next to each other 250		Max 11cm
Soil bin extension complete	ST341	Extra volume 650ltr

<b>Options:</b>	<b>Code:</b>	<b>Intern code:</b>
Double drill installation	ST100-3	Steek van 60 tot 150mm
Brush unit behind drill	BM201	
Motorized pressure roller complete	201-500-01-02	Electronic speed control
Heavy swivel wheels front side	SU1L	
Heavy swivel wheels rear side	4841602	
Electronic speed control on elevator	SU1E	Min. speed -25% max. speed +20%
Electronic speed control on pot track	SU1E	Min. speed -25% max. speed +20%

**Notes:**

- Drill interrupter can be equipped pneumatic as well as electrical. In case of using a PLC, the drill, pot dispenser and take off need to be on stroke.
- The drive has been changed on 1-1-1989.
- Big Bale breaker only possible right in front of the machine.
- Big bag tilter not possible.

## Oil quantities (ccm) variable-speed ball drive KR1-KR4



Einbaulage	V1, V5, V18	B3, B5, B14	B6, B7	V3, V6, V19
KR1	70	70	70	70
KR2	200	125	200	125
KR3	400	250	400	250
KR4	800	450	800	450

*Only the use of Santotrac 50/Variotrac 32 synthetic traction fluid ensures full power transmission.*

*The warranty requires this oil type to be used. The oil should be changed after 5000 operating hours (at least once per year). The oil change must not be carried out during operation. No other maintenance work is required.*

## Oil quantities FMRV + FDL:

Drive:	Quantity (ltr):	Type:
FMRV030	0,05	BP Energol SG-XP320
FMRV040	0,1	BP Energol SG-XP320
FMRV050	0,15	BP Energol SG-XP320
FDL018	0,13 (aber in vertikal mit Wellenende nach unten: 0,2)	BP Autran DX
FDL037	0,15 (aber in vertikal mit Wellenende nach unten: 0,25)	BP Energol SG-XP320

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