

- AC motor, flange B14 CE
- Worm gearbox
- Acme lead screw or ballscrew (VRS)
- Chrome plated steel push rod
- Grease Lubricated
- IP 55, tested according to rule CEI EN 60529 NB: Only for brake motors Standard IP54, IP65 on request
- Working temperature range -10°C +60°C
- Intermittent duty S3 30% (5 min) a 30°C
- Limit switches on request
- Potentiometer and encoder on request
- At-Ex II 3 D T4 version (A.C.motor) on request

	A	/3 (Vac 3-pha	se)	
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
13000 *	55	M01	IEC90	3 2 poli
20000	30	M02	IEC90	3 2 poli
25000	20	M03	IEC80	1.5 2 poli
25000	10	M04	IEC80	0.75 4 poli

M05

AV3 VRS (ballscrew) (Vac 3-phase)						
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)		
8000 *	45	M01	IEC80	0.75 2 poli		
13000	22	M02	IEC80	0.55 4 poli		
25000	15	M03	IEC80	0.75 2 poli		
25000	7	M04	IEC80	0.55 4 poli		

* When speed is more than 40 mm/s and/or strokes longer than 350mm, check STROKE SETUP section.

0.75 4 poli

With single-phase motors type M (see motor choice guideline in paragraph ACCESSORIES) performances are 20% lower than the three-phase motor.

 \rightarrow The brakemotor is strongly recomended

IEC80

BEFORE OPERATING ACTUATOR MAKE SURE YOU READ AND UNDERSTOOD BASIC OPERATIONAL INSTRUCTIONS SHOWN ON USERMANUALS, AVAILABLE FROM WEBSITE.

THIS DOCUMENT DISPLAYS MOST TYPICAL STANDARD FEATURES AND SETUPS: CONTACT OUR OFFICES FOR MORE.

ACTUATOR SHALL NOT COME TO MECHANICAL STROKE-END, TO AVOID FAILURES. CONSIDER MECVEL'S LIMITSWITCHES (MODEL AV3-F or AV3-FCM) OR PUT THEM ON MACHINE/FRAME.

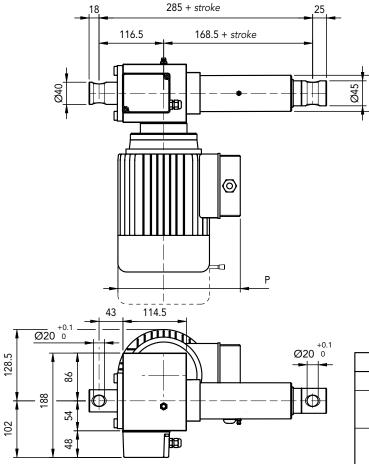


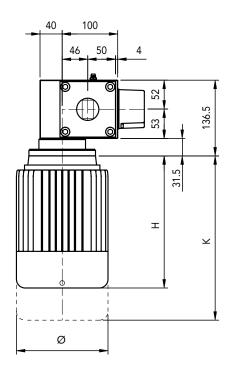
25000

5



VERSION WITH LIMIT SWITCHES

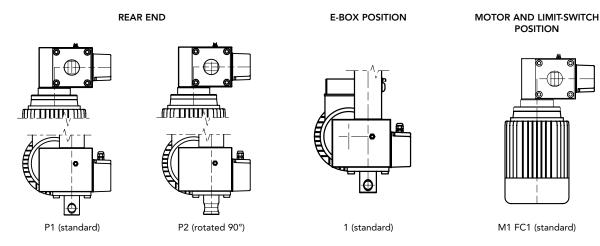




Ø70

A.C. MOTORS DIMENSIONS						
SIZE	VERSION	Н	К	Ø	Р	
80	Standard	Standard 238		1/5	220	
	Brake motors		296	165	220	
90	Standard	280		100	054	
	Brake motors		344	182	251	

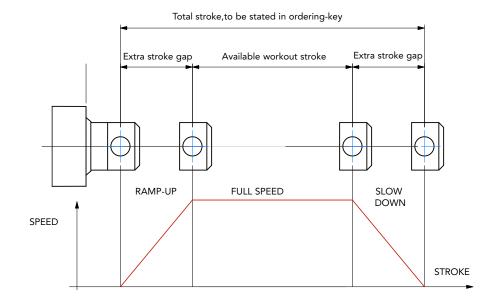




STROKE SETUP

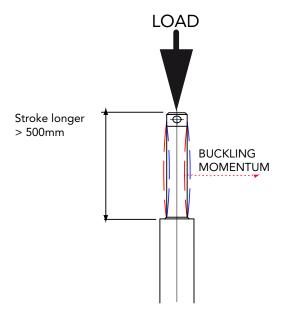
Useful tips for handling stroke and avoid run-on-block collision.

- When stroke is more than 350 mm, add 50 mm extra-stroke as guidance, and put corresponding value in ordering-key.
- WARNING SPEED-TIMING ALONG STROKELENGHT: ramps are extremely important when speed is >30 mm/s!!! Inverter or PWM drive recommended!
- The more speed raises the more extra stroke has to raise too.



BUCKLING

When stroke is longer than 500mm, BUCKLING can be a risk: please check mounting with our offices and/or see usermanuals.



IMPORTANT:

Long strokes, even if load is low, can generate significant buckling momentums, as sketch slows. This happens when actuator is in its all-opened position: that's the reason why we recommend 100 mm extra-stroke. Pushtube will have this100 mm-portion always inside the overtube, improving guidance against buckling.

For more information on this, contact our office.



ORDERING KEY

AV3/0250/M05/CA-400/50-T-80-4-0,75/AB/M1-FC1/1/E06/2FC1/POT01A/P1/A1/

	AV3/0250	0/M05/CA-400/50-T-80-4	4-0,75/AB/	M1-FC1/1	/E06/2F	C1/POT	01A/P	1/A	1/
MODEL									
AV3	AV3-VRS								
STROKE									
es. 250 mm = 0250									
VERSION									
M01 / M02 / M03 / M04	1 / M05								
M00 = Not standard spe	eed								
Flanged Version = Rpm,	, indicate reduction ratio a	and screw pitch							
MOTOR —									
	or: version, voltage, type, s	size, n°pole, power							
With motorflange only p									
With special motorflang	e put: PD								
AC MOTOR OPTIONS —									
	flange version only advise		out 80B14						
	, for selfbrake motor IP54	standard							
Brake type: for brakemo									
Options: Advise if need									
MOTOR AND LIMIT SWIT									
M1-FC1	None: Leave blank								
E-BOX POSITION ——									
1	No Motor: Leave blank								
ENCODER									
Options pg.76									
]			
None: Leave blank									
POTENTIOMETER									
	POT10A (10Kohm)	None: Leave blank							
P1 = Eyelet (standard)	P2 = Eyelet (90°)								
A1 = Eyelet (standrad)	A4 = Kod end	A3 = Yoke + Clip		A7 = M2	20 male				

