

Basic design

Space heaters

On request motor can be equipped with space heaters, 1 per end shield, connected in parallel according to following characteristics.
Power supply 230V - 50 Hz.

	IP23	IP54/IP55
AMP112	2*40W	2*25W
AMP132	2*40W	2*25W
AMP160	2*50W	2*50W
AMP180	2*50W	2*50W
AMP225	2*80W	2*65W
AMP250	2*80W	2*65W
AMP280	2*100W	2*65W
AMP315	2*100W	2*100W
AMP355	2*150W	2*100W

Rotor locking device

AMP 280, 315, 355 are equipped with a rotor locking device for transport.

AMP180, 225 & 250 are equipped with a rotor locking device when a roller bearing is mounted.

Painting

The standard AMP surface finish has excellent resistance properties.

The painting system is suitable for humid environments.

Standard colour of the motor is RAL7015.

Motor Size		112	132	160	180	225	250	280	315	355
Stator	Material	Magnetic lamination								
	Stator winding	Copper wire with special insulation for inverter supply								
End shields	Material	Cast Iron								
Bearing	D-End/ND-End	6308	6310	6214	6216	6220	6222	6224	6226	6230
		2RS C3				C3	C3	C3	C3	C3
	Lubrication	Greased for life				Regreasable				
	Bearing protection ring	strongly recommended > 100 kW								
	Axially locked bearings	N-End side								
Terminal box		Steel			Cast Iron	Steel				
Flange		Steel or cast iron								
Cooling system		Aluminium motor + Steel fan housing								
Rotor		Magnetic lamination								
		and pressure die-cast aluminium						and copper bars		
Balancing method		Half key balancing								

Frame size AMP	112	132	160	180	225	250	280	315	355
Cooling forms									
IC06 (IP23) Force ventilated	S	S	S	S	S	S	S	S	S
IC17 (IP23) Single pipe ventilated	x	x	x	x	x	x	x	x	x
IC37 (IP54) Double pipe ventilated	x	x	x	x	x	x	x	x	x
IC416 (IP54) Totally enclosed, fan cooled	S	S	S	S	S	S	S	S	S
<i>Other cooling forms available on request</i>									
Mounting Forms									
IM1001 Horizontal foot (radial ventilation)	S	S	S	S	S	S	S	S	S
IM1001 Horizontal foot (axial ventilation)				S	S	S	S	S	S
IM1002 Horizontal foot, double shaft extension	x	x	x	x	x	x	x	x	x
IM2001 Horizontal foot and flange (radial ventilation)	x	x	x	x	x	x	x	x	x
IM2001 Horizontal foot and flange (axial ventilation)	S	S	S	S	x	x	x	x	x
IM2011/2031 Vertical foot and flange	x	x	x	x	x	x	x	x	x
IM 3001/3011/3031 Horizontal/ Vertical flange	R	R	R	R	R	R	R	R	R
Modifications and accessories									
Air filter (in IP23)	S	S	S	S	S	S	S	S	S
Air sound absorber	x	x	x	x	x	x	x	x	x
Air pressure switch	x	x	x	x	x	x	x	x	x
PTC 150°C - 3 in series	S	S	S	S	S	S	S	S	S
Other temperature sensor	x	x	x	x	x	x	x	x	x
Bearing monitoring nipple	x	x	x	x	x	x	x	x	x
Special shaft	x	x	x	x	x	x	x	x	x
Shaft seal, D-End	x	x	x	x	x	x	x	x	x
Vibration class B	x	x	x	x	x	x	x	x	x
Grounding brush radial cooling	x	x	x	x	x	x	x	x	x
Grounding brush axial cooling	R	R	R	R	x	x	x	x	x
Roller bearing D-End	x	x	x	x	x	x	x	x	x
AEGIS bearing protection ring	x	x	x	x	x	x	x	x	x
Insulated bearing, N-End	x	x	x	x	x	x	x	x	x
Disk Brake	x	x	x	x	x	x	x	x	x
Heating element	x	x	x	x	x	x	x	x	x
Special paint (RAL colour)	x	x	x	x	x	x	x	x	x
Reinforced impregnation	x	x	x	x	x	x	x	x	x
Special corrosion protection	x	x	x	x	x	x	x	x	x
Special winding for 690V nominal voltage	x	x	x	x	x	x	S	S	S
Nema	R	R	R	R	R	R	R	R	R
Encoder									
Programmable	x	x	x	x	x	x	x	x	x
Not reprogrammable	x	x	x	x	x	x	x	x	x

S: standard x : possible R : on request