

IM B5 / IM 3001

Technical drawing of a circular mechanical component. The drawing includes a top view and a side view. The top view shows a circular base with a central hole and four smaller holes arranged in a square pattern. Dimensions are labeled: GA (width of the top flange), DH (height of the top flange), AG (width of the main body), AD (height of the main body), AC (width of the base), and HD (height of the base). A 45-degree chamfer is indicated on the top edge of the main body. A small detail view shows a cross-section of the central hole with dimensions F (width of the hole) and G (width of the hole).

TPV	AC	AD	AG	D	DH	E	EB	ED	F	G	GA	HD	KK	L	LA	LB	LD	LL	M	N	P	S	T
132M	258	188	117.5	38	M12X28	80	65	7.5	10	33	41	338	2-M32X1.5	513	14	433	180	117.5	265	230	300	14.5	4

General datas

Rated motor power	7,50 / 9,00	KW 50 / 60 Hz
Rated motor speed	1455 1746	min-1 / 50 Hz min-1 / 60 Hz
Rated motor voltage (+/- 5%)	400 690 460 795	V Δ / 50 Hz V Y / 50 Hz V Δ / 60 Hz V Y / 60 Hz
Rated motor torque	49,2	Nm (Mn)
Rated motor current 50Hz	14,5 / 8,42	A (In)
Rated motor current 60Hz	15,2 / 8,77	A (In)
Starting motor current	7,5	x In
Starting motor torque	2,2	x Mn
Breakdown motor tor.	2,3	x Mn
Efficiency	88,7% 89,0% 86,9%	by 100 % Load by 75 % Load by 50 % Load
Efficiency class	IE2	
Power factor at	0,84	by 100 % Load

Frame size	132 M
Type of construction	IM B5 / IM 3001
Weight	55,2 kg
Frame material	Aluminium
Protection	IP 55
Insulation	F utilized to B
Tropical insulation	no
Vibration level	A
Duty type	S1
Direction of rotation	bi-directional
Method of cooling	IC 411
Cable entries	2 x M32x1,5
Norm / Standards	IEC / DIN / ISO / VDE / EN
Execute at	IEC 60034 -1
Paintwork	RAL 7030 gray
Warranty	12 month

Site conditions

Noise level	59,0	dB(A)
Moment of inertia	0,02960	Kgm²
Bearing A - Site	6308.ZZ.C3	
Bearing B - Site	6308.ZZ.C3	
Bearing lifetime	20000 h	by max Fr + Fx
max. Radialload (Fr)	2759 N	middle of shaft
max. Axialload (Fx)	1780 N	pull force
	1780 N	pressure force
Locating bearing	loose	Standard

Ambient temperature **- 20 bis + 40 °C**
Altitude above sea level **1000** m over sea

Special configurations

Feet removeable

type of protection	Without
--------------------	---------