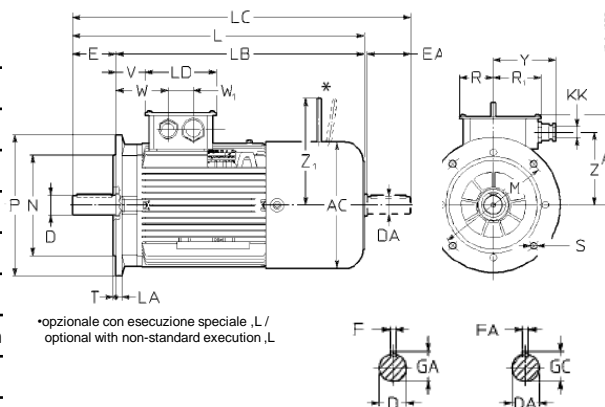






CARATTERISTICHE GENERALI / GENERAL CHARACTERISTICS

Grandezza / Frame size	IEC72-1	180L
Forma costruttiva / Type of construction	IEC72-1	IM B5
Massa / Weigth [kg]		158
Momento inerzia / Moment of Inertia [10 ⁻⁴ kgm ²]	J ₀	0,13
Grado di protezione / Degree of protection	IEC34-5	IP55
Senso di rotazione / direction of rotation	Entrambi / Both	
Metodo raffreddamento / method of cooling	IEC34-7	IC411
Servizio / Duty	IEC34-1	S2 30min
Classe Isolamento / Insulation class	IEC34-1	F
Temperatura ambiente / ambient temperature	-15/+40°C	



*opzionale con esecuzione speciale .L/
optional with non-standard execution .L

DATI TARGA / NAMEPLATE DATA

 a company of the Habasit group www.rossi-group.com		IEC 60034-1		 made in Italy	
MOT. 3 ~ N.		IP 55	AMB. 40°C IC 411		
HBZ 180L4 B5		kg 158	I.C.L.F S 2 30MIN		
Break Nm	V~ / Hz	A	#D##	V=	
BC 09 300	230 / 50	1,16	RR4	103	
Esecuzione Execution					
Δ V	Hz	A	kW	min ⁻¹	cos φ
480	60	52,5	33	1740	0,83
NEMA MG1-12					
NOM.EFF. 89,9% 45HP SF1,0					

DATI ELETTRICI MOTORE / MOTOR ELECTRICAL DATA

Tensione nominale / Rated Voltage (Δ/Y) [V]	V _n	480
Frequenza nominale / Rated Frequency [Hz]	F _n	60
Corrente nominale / Rated Current (Δ/Y) [A]	I _n	52,5
Potenza nominale / rated output power [kW]-[HP]	P _n	33 - 45
Fattore di servizio / Service Factor	SF	1,0
Velocità nominale / rated speed [min ⁻¹]	N _n	1740
Coppia nominale / Rated Torque [Nm]	M _n	181
Fattore di potenza nominale / Rated power factor [%]	cosφ _n	0,83
Rendimento nominale / Rated Efficiency ⁽²⁾ [%]	η _n	89,9
Rapporto coppia di spunto / Starting torque ratio	M _s /M _n	1,8
Rapporto coppia massima / Pull-out torque ratio	M _{max} /M _n	1,9
Rapporto corrente di spunto / Starting current ratio	I _s /I _n	5,5
NEMA Design	-	-
Locked Rotor Code Letter KVA	-	-
Sovratemperatura avvolgimenti a 25°C / Windings overtemperature at 25°C [°C]	ΔT	69,3
Classe di efficienza / Efficiency Class secondo/ according IEC EN60034-30, IEC EN60034-2-1	-	-

DIMENSIONI GENERALI / GENERAL DIMENSIONS

AC	Ø354	R, R ₁	90, 127
AD	278	V	96
L	844	W	159
LB	734	W ₁	60
LC	957	Y	177
LD	180	Z	227
KK ⁽¹⁾	M40+M50	Z ₁	305

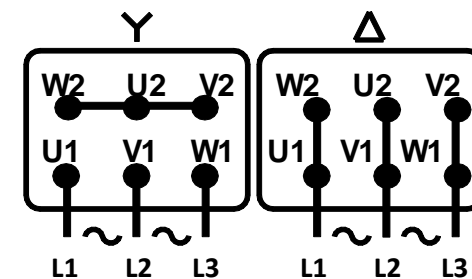
**DIMENSIONI ESTREMITA' ALBERO /
SHAFT END DIMENSIONS**

D DA	48k6 M16
E EA	110
F FA	14
GA GC	51,5
CUSCINETTI / BEARINGS	
DE	6310 Z C3
NDE	6310 2Z C3

**DIMENSIONI FLANGIA /
FLANGE DIMENSIONS**

M	Ø300
N	Ø250h6
P	Ø350
LA	15
S	19
T	5

COLLEGAMENTO MOTORE/ MOTOR CONNECTION



1) Predisposizione per accesso cavi su entrambi i lati (due fratture prestabilite per ogni lato) / Prearranged for cable entry knockout openings on both sides (two openings on each side)

2) Calcolo efficienza per somma delle perdite, grado incertezza basso secondo IEC/EN 60034-2-1/ Calculation of efficiency through summation of losses, low uncertainty, according IEC/EN 60034-2-1

HBZ Brake Periodic Maintenance

Verify, at regular intervals, that air-gap is included within the values stated in the table (take the opportunity to remove the wear dust of the friction surface, if any). Excessive air-gap value, deriving from friction surface wear, makes brake noise level rise and could prevent its electric release.

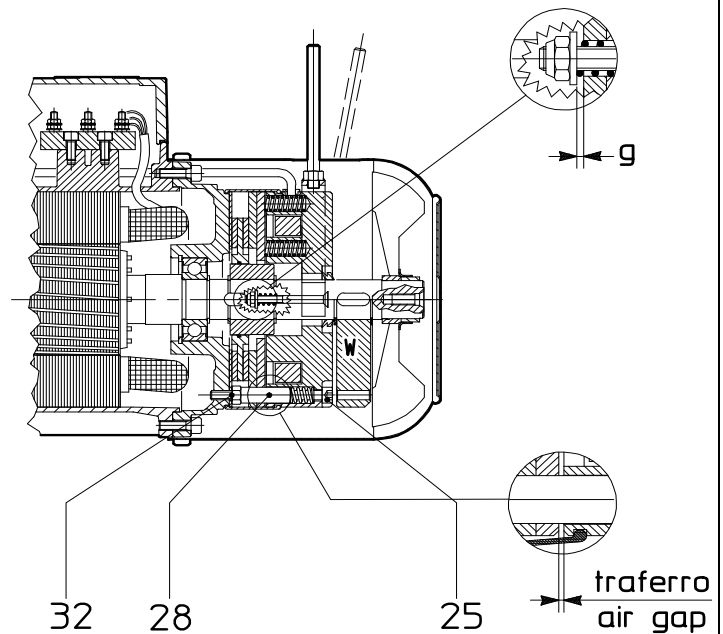
Important: an air-gap greater than max value can produce a decrease down to 0 of the braking torque due to the clearance taking up of the release lever pullers.

Adjust the air-gap by releasing the nuts **32** and by screwing the fastening screws **25** in order to reach minimum air-gap (see table below) measuring by a thickness gauge in 3 positions at 120° near the guiding bushes **28**. Tighten nuts **32** keeping in position fastening screws **25**. Verify the obtained air-gap value.

After several air-gap adjustments, verify that brake disk thickness is not lower than the minimum value stated in the table below; if necessary, replace the brake disk. When the hand lever for manual release does not run, after repeated operations, re-adjust the backlash **g** according to the table values.

Release lever rod is not to be left permanently installed (to avoid dangerous or inappropriate use).

Brake size	Motor size	g mm	Air-gap mm		S _{min} mm
			1)	nom. max	
BZ 12	63, 71	0,5	0,25	0,40	6
BZ 53, 13	71, 80	0,5	0,25	0,40	6
BZ 04, 14	80, 90	0,6	0,30	0,45	6
BZ 05, 15	90, 100, 112	0,6	0,30	0,45	7
BZ 06S	112	0,7	0,35	0,55	7
BZ 06, 56	132S ... 160S	0,7	0,35	0,55	7
BZ 07	132M, 160S	0,7	0,40	0,60	7,5
BC 08	160, 180M	0,8	0,40	0,60	11
BC 09	180L, 200	0,8	0,50	0,70	13



1) Backlash of release lever pullers (if any) (approximate values: after an air-gap adjustment always check the brake functionality and the proper brake release).

2) Minimum thickness of brake disk.