

# BRANCO

## Data sheet for three-phase Squirrel-Cage-Motors

Ordering data: BA1-160M-6



Client order no.:  
Project:  
Item series no.:  
Remarks:

### Electrical Data

Rated motor voltage:	400VD/690VY
Frequency:	50 Hz
Rated motor power:	7.5 kW
Rated speed:	960 r/min
Number of poles:	6
No load current:	8.68 Amp
Rated current:	16.5 Amp
Locked rotor torque:	186.8 N.m.
Pull out torque:	129.7 N.m.
Efficiency class:	IE1
Efficiency 100% load:	85.71
Efficiency 75% load:	86.53
Power factor 100% load:	0.80
Motor protection:	Without
Terminal box position:	Top

### Mechanical Data

Noise (Lw):	68 dB (A)
Bearing drive end:	6309 ZZ
Bearing non drive end:	6309 ZZ
Drain holes:	No
Grease nipper:	No
Coating:	RAL 7030

### Site Conditions

Ambient temperature:	40°C
Altitude above sea level:	1000m
Standard of specifications:	IEC 60034

### General Data

Frame Size:	160M
Type of construction:	IMB3
Weight:	70 kg
Frame material:	Cast iron
Fan cover material:	Metal
Degree of protection:	IP 55
Method of cooling:	TEFC
Insulation:	F
Duty type:	S1
Direction of rotation:	Bidirectional

### Terminal Box

Material of Terminal box:	Aluminium
Terminal screw thread:	M5
Cable diameter:	22 - 32mm
Cable entry:	M40x1.5
Cable gland:	Yes

### Special Design

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