



**BS British Standard 1 | General Purpose | High Efficiency | Aluminium
2 pole 50Hz | 3(kW) | W-DA100LJ**

Performance Data	
Performance Data	Value
Output (kW)	3
Pole	2
Full load speed (RPM)	2890
Full Load Torque (Nm)	9.91
Full load current @ 380V (A)	6
Full load current @ 400V (A)	5.7
Full load current @ 415V (A)	5.7
Efficiency Full load (%)	86.5
Efficiency 3/4 load (%)	87
Efficiency 1/2 load (%)	86.5
Power Factor Full load	0.88
Power factor 3/4 load	0.83
Power Factor 1/2 load	0.75
Direct on line starting torque ratio	3
Direct on line starting current ratio	7.8
Direct on line Pull out torque ratio	3.1
Direct on line Pull up torque ratio	2.6
Rotor inertia (kgm ²)	0.005
Mean sound pressure @1m on no load (dB(A))	60

Shaft Loads

Mounting	Shaft Load (Nm)
Horizontal shaft load towards motor	781
Horizontal shaft load away motor	1101
Vertical shaft up, load towards motor	743
Vertical shaft up, load away motor	1159
Vertical shaft down, load towards motor	839
Vertical shaft down, load away motor	1063
Maximum radial load at end of shaft	1295
Bearing life (hours)	20000

Standard Features	
Feature	Standard Product
Frequency (Hz)	50Hz / 60Hz
Enclosure	IP55 protection
Cooling Method	IC411 TEFV (Totally Enclosed Fan Ventilated)
T-box position	Top
Lubrication	Regreasing facilities available on request
Balance	Grade N
Bearings	Ball/ball C3 clearance
Drain Holes	160 & 180 frame only
Temperature Rise	Class B (80°C)
Insulation Class	Class F (155°C)
Duty Cycle	S1 continuous rated
Earth Facility	Internal and external
Thermal Protection	Available on request

Bearings and Oil Seals

Feature	Standard Product
Drive end bearing	62062Z
Non-drive end bearing	62052Z
Drive end oil seal	30 x 42 x 7
Non drive end oil seal	25 x 37 x 7
Grease life (horizontal mounting)	30,000
Grease life (vertical mounting)	30,000

Variations to the standard specification can be supplied on request

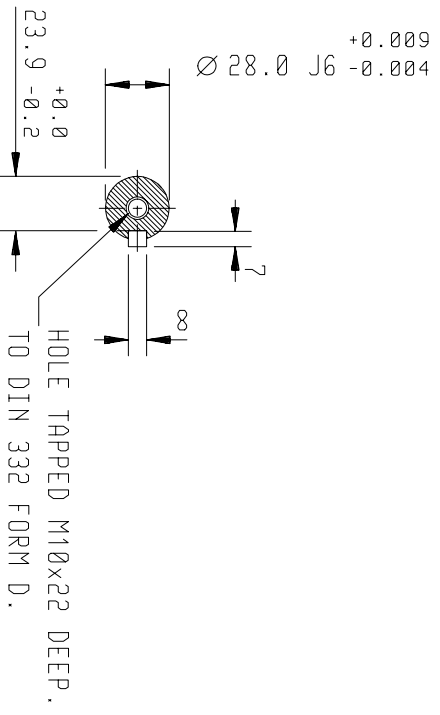
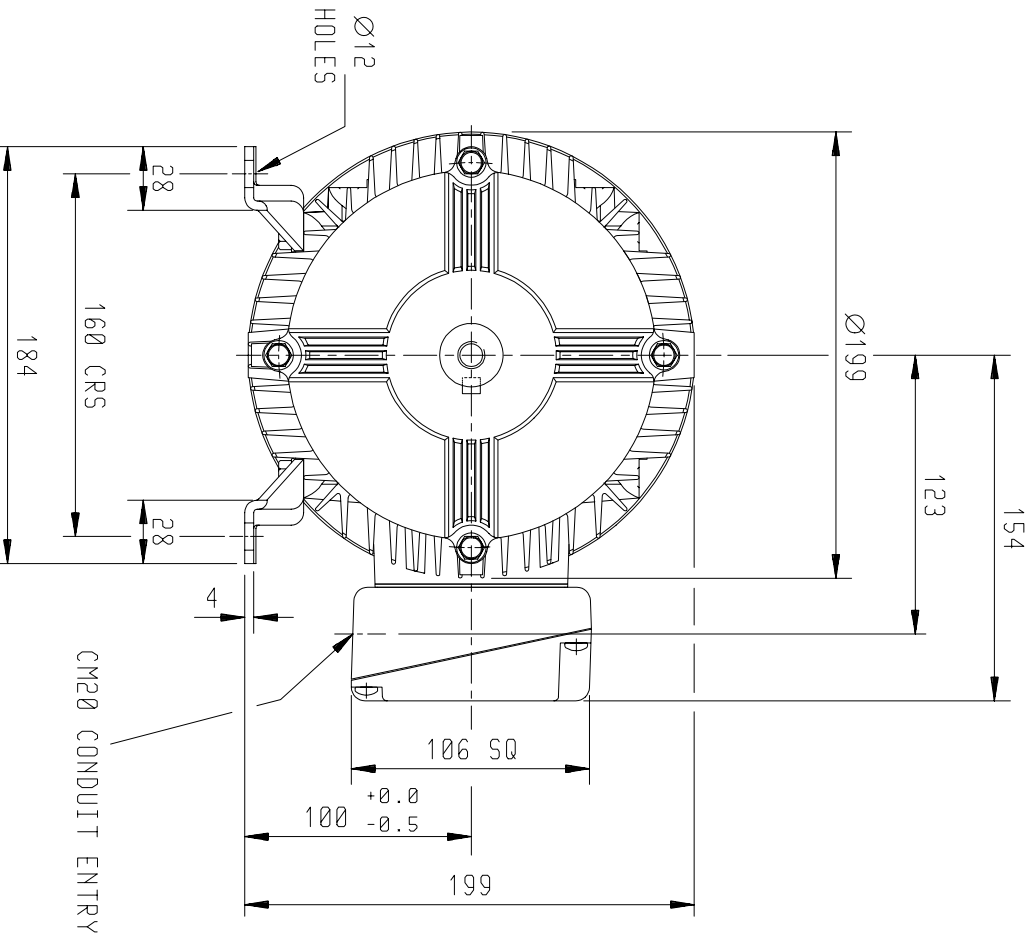
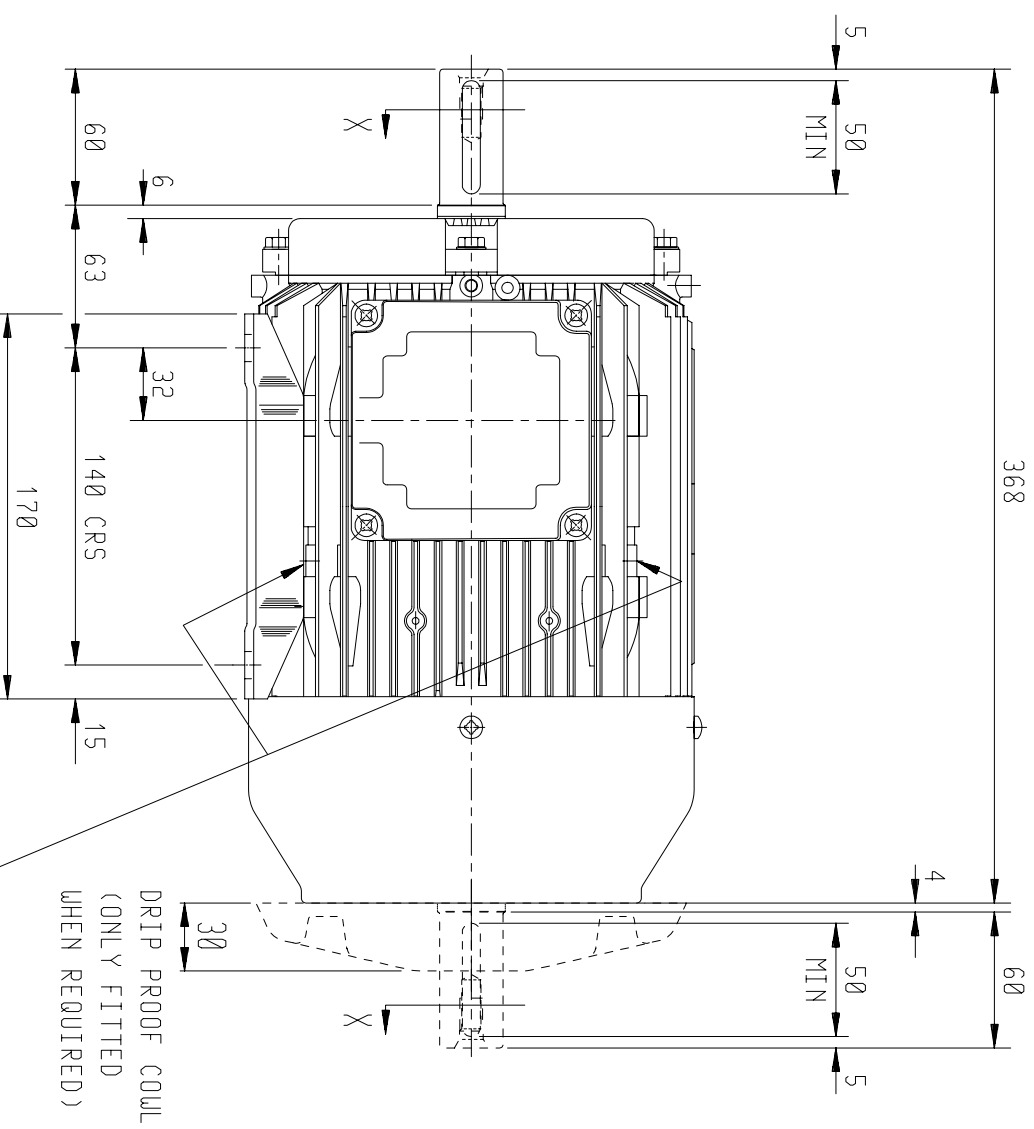
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Associate company: [Rotating Machinery Supplies](http://RotatingMachinerySupplies.com), 6 Devon Road, Hamilton 3242 rotatingmachinery@clear.net.nz
[Soco Electric Motors](http://SocoElectricMotors.com), 473 Tremaine Ave, Palmerston North 4412 sales@soco.co.nz

CUSTOMER	
ORDER No.	
PART No.	
FRAME SIZE	
KW.	RPM.
HZ	PHASE
VOLTS	POLES
BRGS.	DE.
MOTOR NETT WT.	NDE.
SPECIAL REMARKS	Kg.



VIEW ON 'X'

TERMINAL BOX POSITION:- CAN BE ARRANGED AT EITHER 9,12 OR 3 O'CLOCK BY MOVING FEET.

STANDARD TERMINAL BOX POSITION IS 3 O'CLOCK AS SHOWN.

CONDUIT ENTRIES:- TERMINAL BOX CAN BE ROTATED AT 90° INTERVALS

(CONDUIT ENTRY POSITION SHOWN FOR ILLUSTRATION ONLY).

OUTLINE DIMENSION DRAWING W ALUMINIUM TOTALLY ENCLOSED FAN COOLED

100L FRAME FOOT MOUNTED MOTOR

ALL DIMENSIONS IN MILLIMETRES.



BROOK PROMPTON

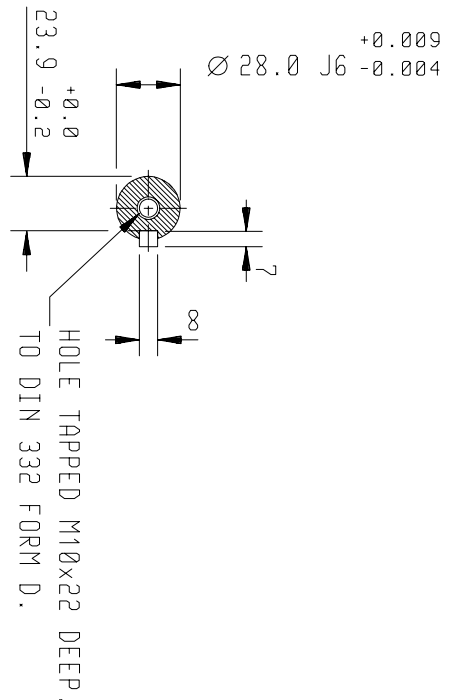
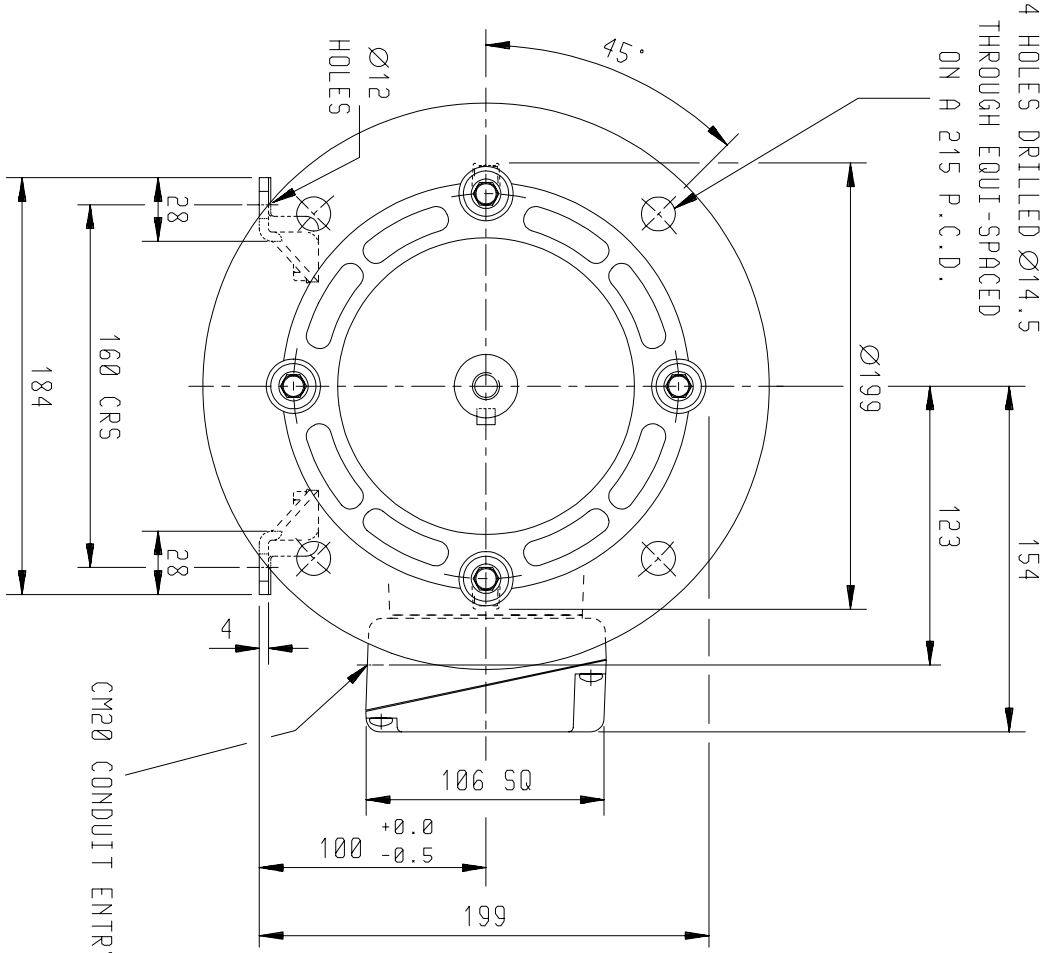
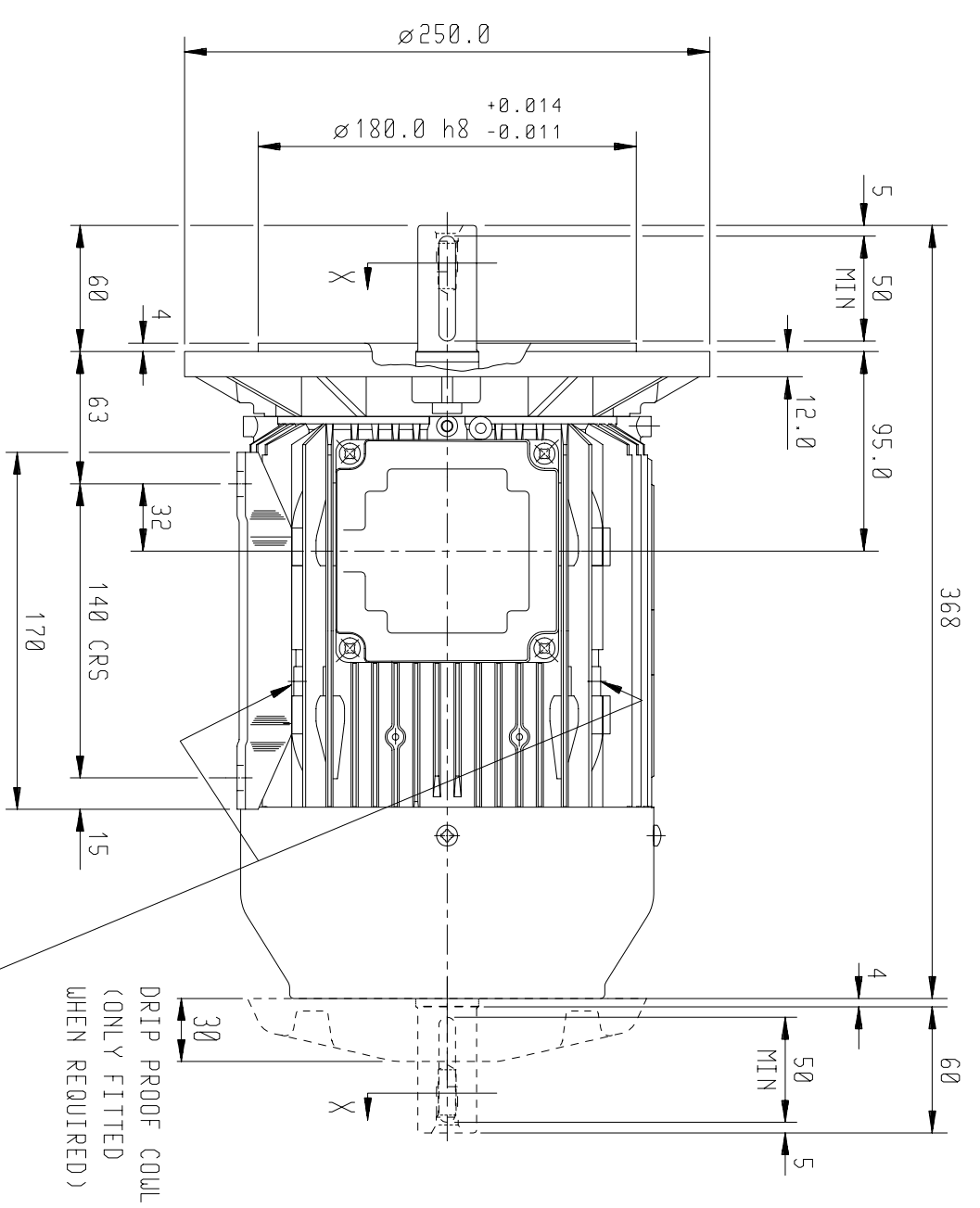
Small Industrial Motors
 Huddersfield, W. Yorkshire, HD1 3LJ

SHEET SIZE
A3

TITLE	
DRAWN	MI
CHECKED	JWD
SCALE	1:3.5

NAME	DATE
MI	11-03-93
JWD	11-03-93

DRG. No.	W10GF000/3
DRG. REF.	
REVISION:	RR
DATE	09/06/03



VIEW ON 'X'

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OUTLINE DIMENSION DRAWING W ALUMINIUM TOTALLY ENCLOSED FAN COOLED

100L FRAME FOOT AND 'D' FLANGE MOUNTED MOTOR

CUSTOMER	
ORDER No.	
PART No.	
FRAME SIZE	
KW.	RPM.
HZ	PHASE
VOLTS	POLES
BRGS.	DE.
MOTOR NETT WT.	NDE.
SPECIAL REMARKS	Kg.

ALL DIMENSIONS IN MILLIMETRES.



BROOK
PROMPTON

Small Industrial Motors
 Huddersfield, W. Yorkshire, HD1 3LJ

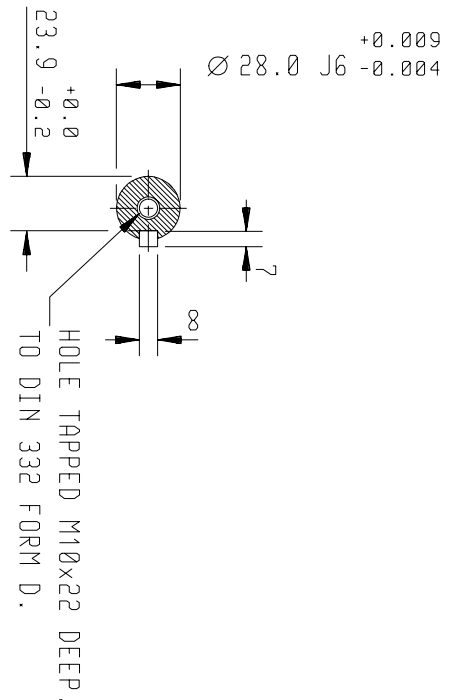
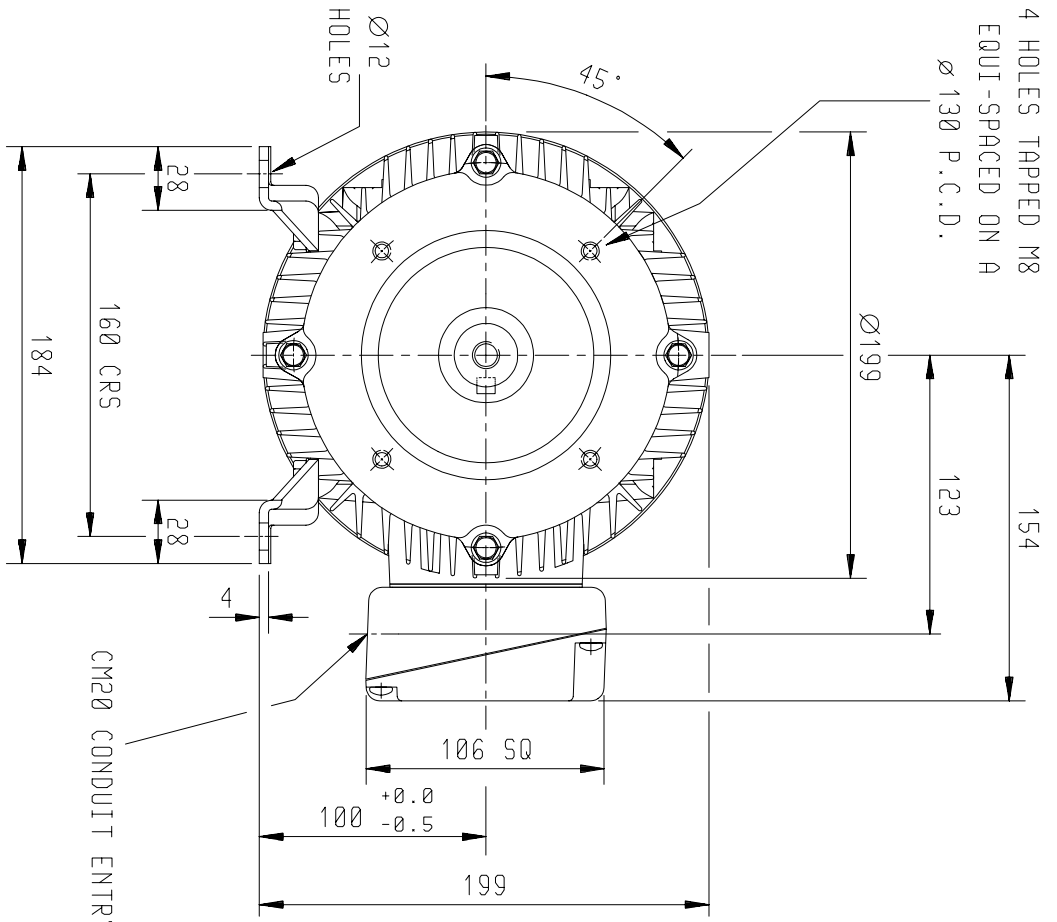
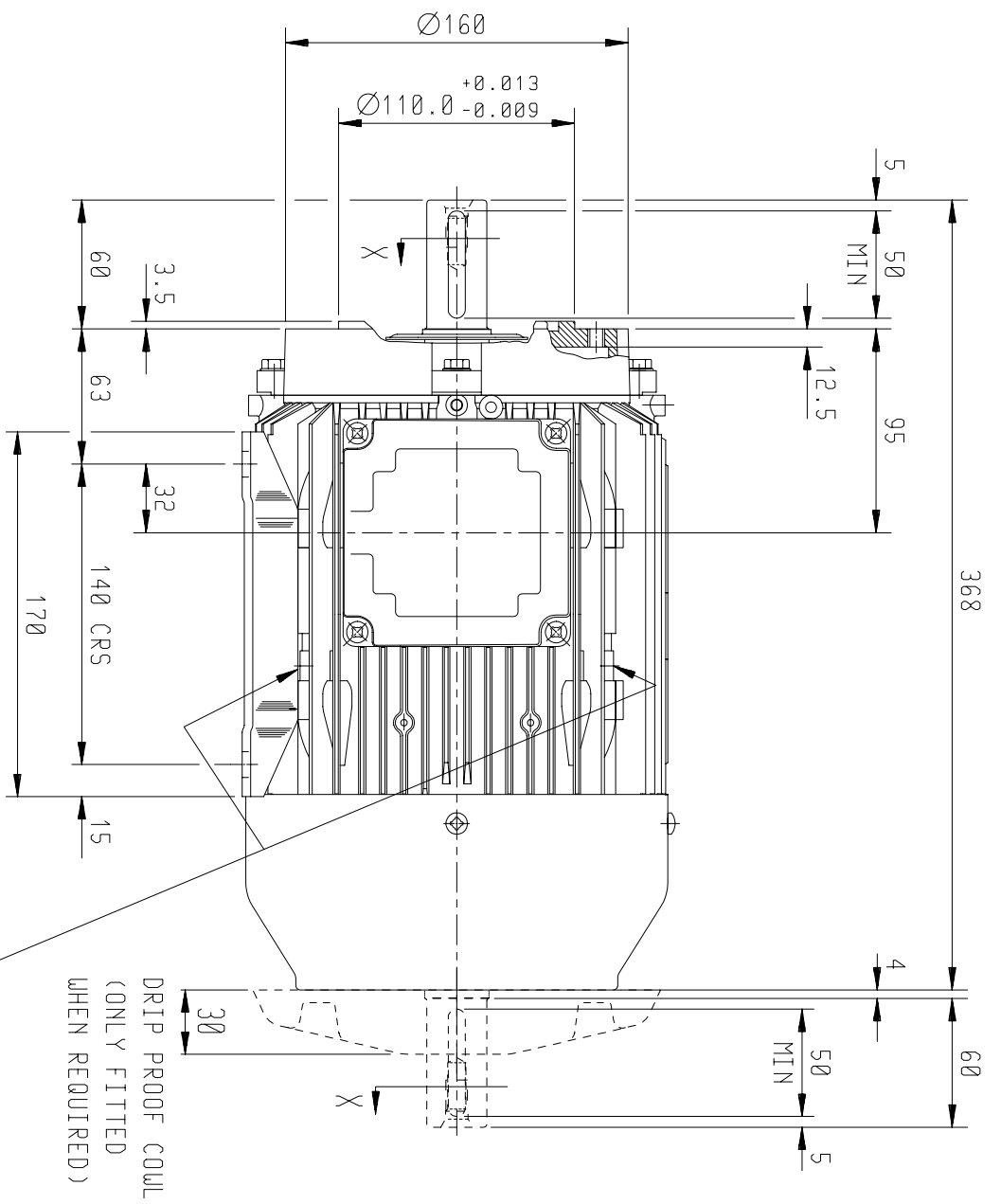
SHEET SIZE
A3

TITLE	
DRAWN	MI
CHECKED	JWD
SCALE	1:3.5

NAME	DATE
MI	01-08-94
JWD	01-08-94

DRG. No.	W10GD000/4
DRG. REF.	
REVISION:	RR
DATE	11/06/03

CUSTOMER	
ORDER No.	
PART No.	
FRAME SIZE	
KW.	RPM.
HZ	PHASE
VOLTS	POLES
BRGS.	DE.
MOTOR NETT WT.	NDE.
SPECIAL REMARKS	Kg.



VIEW ON 'X'

CARE SHOULD BE TAKEN TO ENSURE THAT THE SCREWS OR STUDS DO NOT EXTEND INSIDE THE MOTOR BEYOND THE DEPTH OF THE TAPPED FIXING HOLE.
 TERMINAL BOX POSITION:- CAN BE ARRANGED AT EITHER 9,12 OR 3 O'CLOCK BY MOVING FEET.
 STANDARD TERMINAL BOX POSITION IS 3 O'CLOCK AS SHOWN.
 CONDUIT ENTRIES:- TERMINAL BOX CAN BE ROTATED AT 90° INTERVALS
 (CONDUIT ENTRY POSITION SHOWN FOR ILLUSTRATION ONLY).

SHEET TITLE
 SIZE A3
 OUTLINE DIMENSION DRAWING W ALUMINIUM TOTALLY ENCLOSED FAN COOLED
 100L FRAME FOOT AND 'C' FACE MOUNTED MOTOR

DRAWN	NAME	DATE
CHECKED	MI	19-09-94
SCALE	JWD	19-09-94
		1:3.5

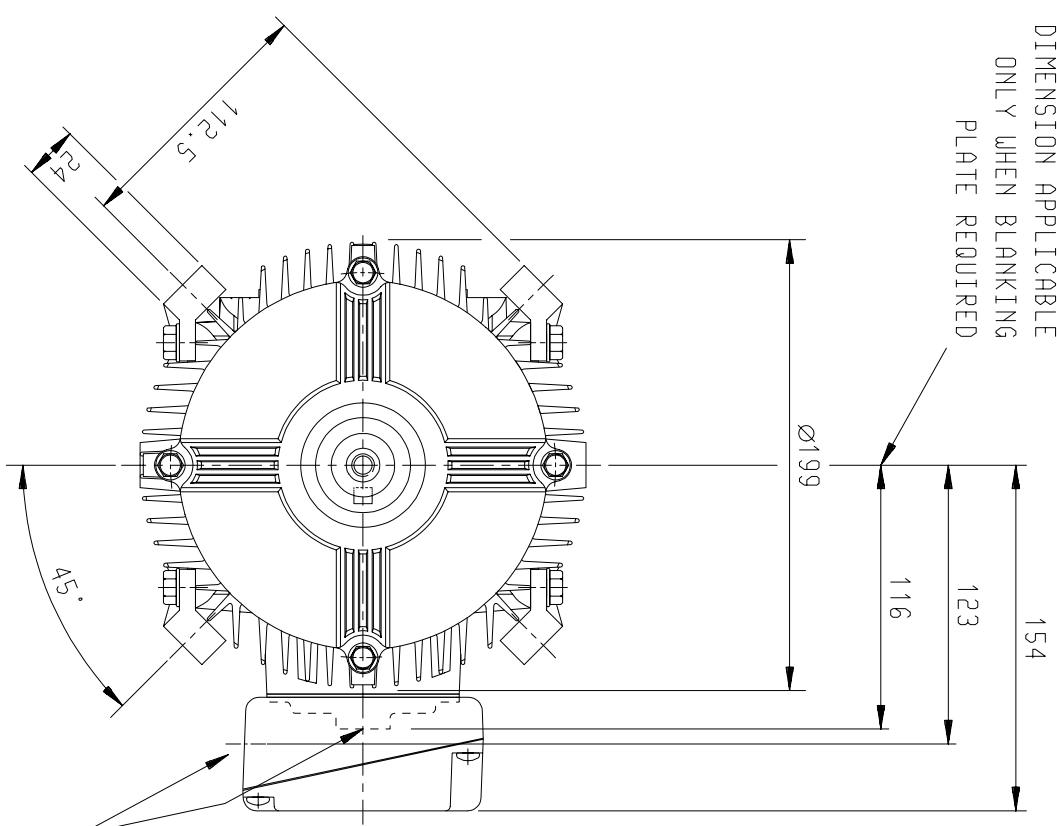
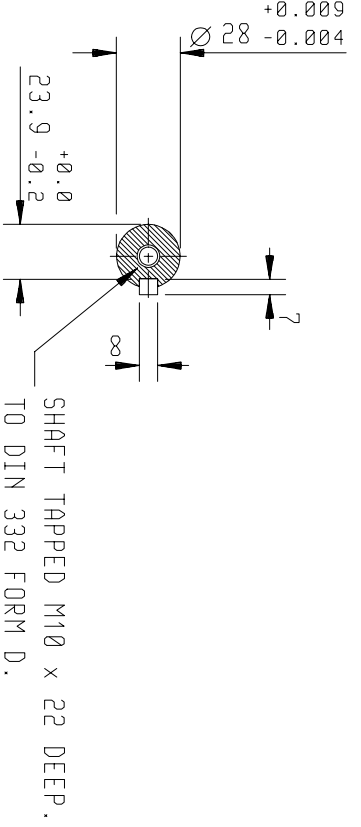
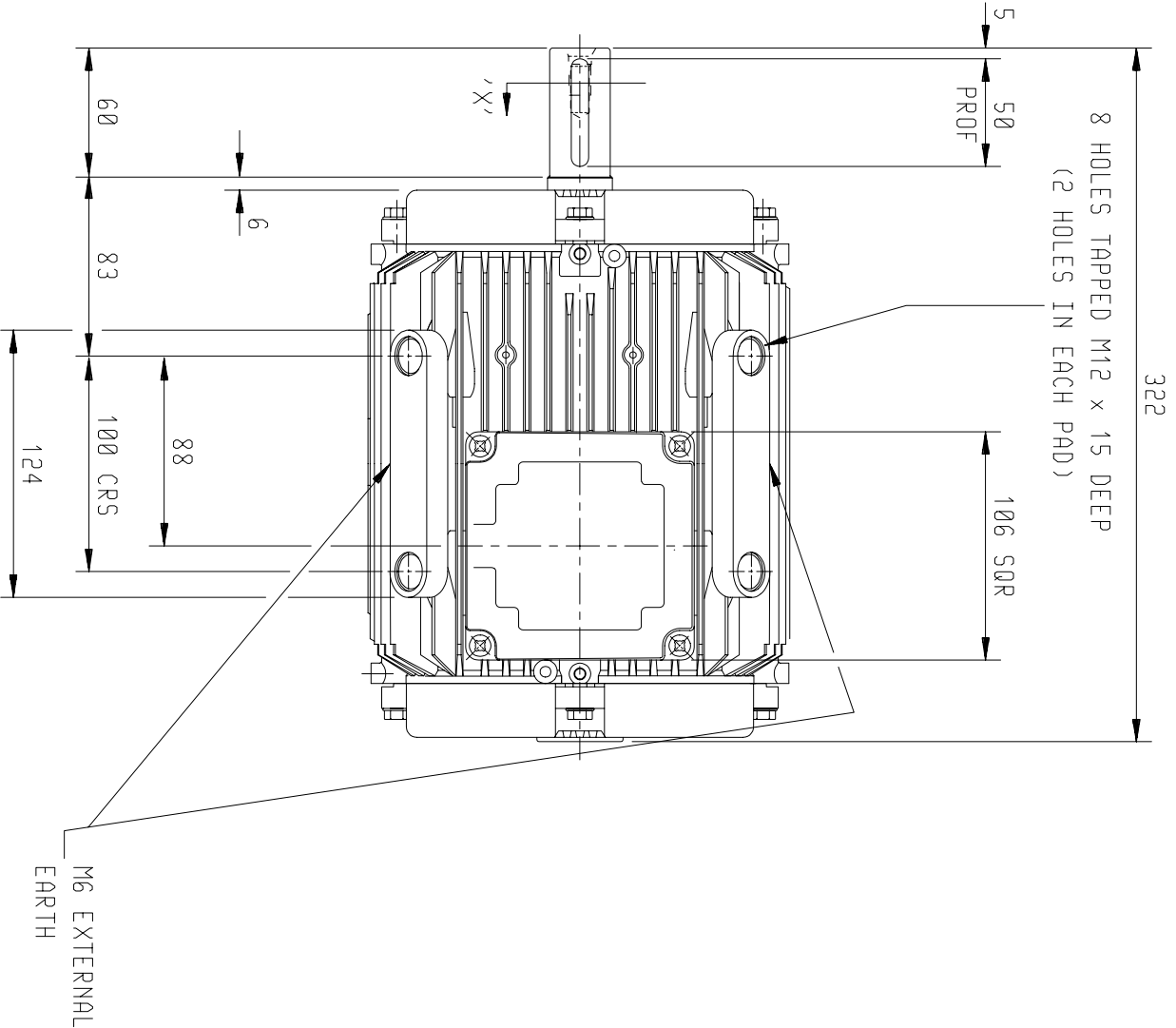
ALL DIMENSIONS IN MILLIMETRES.

FIRST ANGLE PROJECTION

BROOK PROMPTON
 Small Industrial Motors
 Huddersfield, W. Yorkshire, HD1 3LJ

DRG. No. W10GCC000/3
 DRG. REF.

REVISION: VLS DATE 30-04-01



DIMENSION APPLICABLE ONLY WHEN BLANKING PLATE REQUIRED

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SHEET SIZE
A3

TITLE
 OUTLINE DIMENSION DRAWING W ALUMINIUM TOTALLY ENCLOSED NO FAN
 100L FRAME PAD MOUNTED MOTOR

DRAWN	NAME	DATE
CHECKED	MI	19-09-94
SCALE	JWD	19-09-94
		1:3.5

CUSTOMER	
ORDER No.	
PART No.	
FRAME SIZE	
KW.	RPM.
HZ	PHASE
VOLTS	POLES
BRGS.	DE.
MOTOR NETT WT.	Kg.
SPECIAL REMARKS	

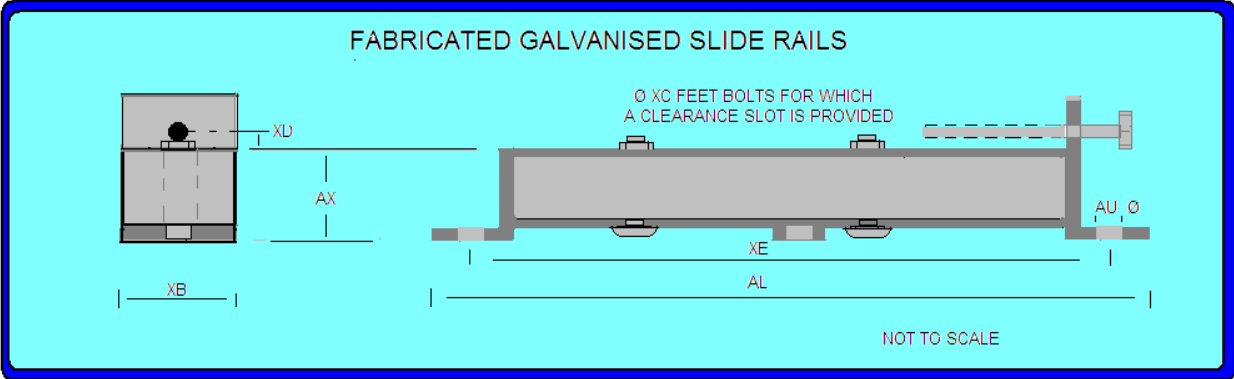
ALL DIMENSIONS IN MILLIMETRES.
 FIRST ANGLE PROJECTION

BROOK
PROMPTON

Small Industrial Motors
 Huddersfield, W. Yorkshire, HD1 3LJ

DRG. No.	W10GP000/3
DRG. REF.	
REVISION:	DH DATE 13-07-04

Slide Rails



Code	AL	AU	AX	XB	XD	XE	Bolt Size	Frame Size	BT	XC Motor Foot Bolts
M1013	470	12	44	45	6	430	M10 X 200	100	171	M10 X 60
								112	137	
								132	106	

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[Soco Electric Motors](mailto:sales@soco.co.nz), 473 Tremaine Ave, Palmerston North. sales@soco.co.nz

