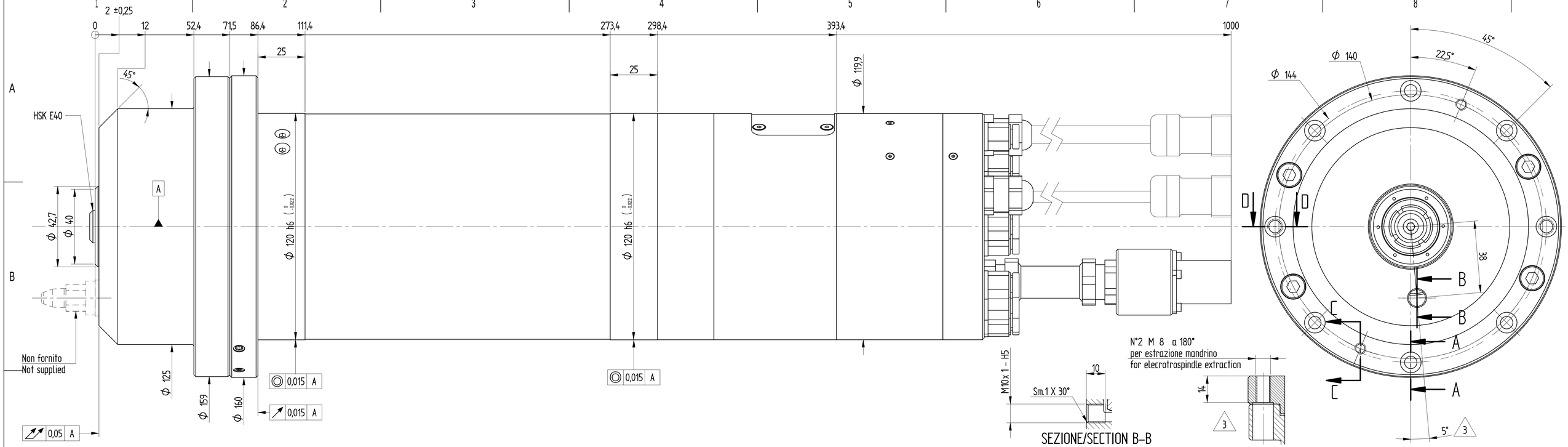
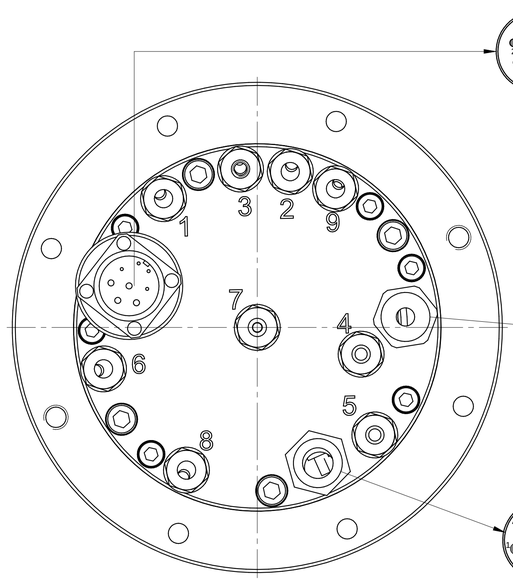


SEZIONE/SECTION B-B

SEZIONE/SECTION D-D

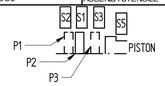


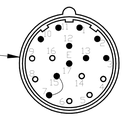
SIGNALS CONNECTOR: 12 POLES MALE M23
(M23 12 POLES FEMALE CONNECTOR INCLUDED)
CABLE LENGHET ~1m

SIGNALS CONNECTOR	
PIN	DESCRIPTION
1	OUTPUT S1
2	OUTPUT S2
3	OUTPUT S3
4	OUTPUT S5
5	N.C.
6	+24V CC FEEDING SENSOR S1+S2+S3+S5
7	0V FEEDING SENSOR S1+S2+S3+S5
8	N.C.
9	N.C.
10	N.C.
11	N.C.
12	N.C.

	DESCRIPTION	DESCRIZIONE	NOTE
	SENSORS CABLES OUTLET	USCITA CAVI SENSORI	~1 mt
SENSORS / SENSORI			
S1	DRAWBAR POSITION: TOOL CLAMPED	UTENSILE AGGANCIATO	
S2	DRAWBAR POSITION: TOOL UNCLAMPED	UTENSILE ESPULSO	
S3	WITHOUT TOOL	SENZA UTENSILE	
S5	PISTON POSITION	PISTONE INDIETRO	

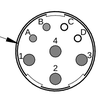
POSITION / POSIZIONE			S1	S2	S3	S5
P1	TOOL UNCLAMPED	UTENSILE ESPULSO	0	1	0	0
P2	TOOL CLAMPED	UTENSILE AGGANCIATO	1	0	0	1
P3	CLAMPED WITHOUT TOOL	ASSENZA UTENSILE	1	0	1	1





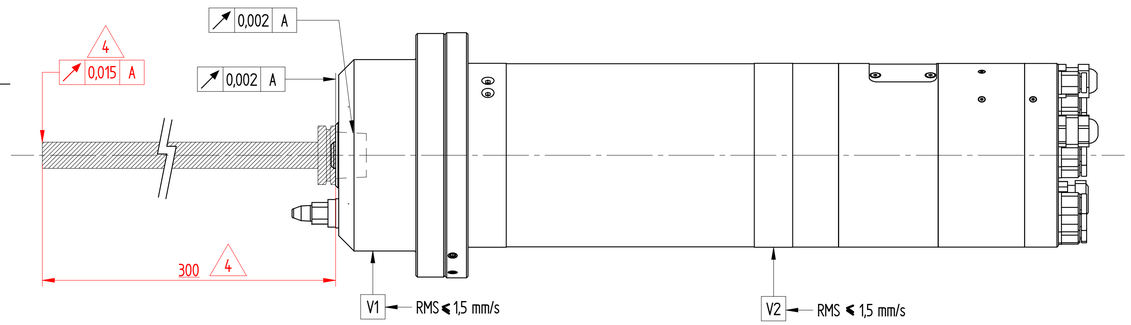
ENCODER CONNECTOR: 17 POLES MALE M23
(M23 17 POLES FEMALE CONNECTOR INCLUDED)
Encoder Lenord+Bauer 1Vpp - z=200 - m=0,3
Cable lenght 1m
Cod. GEL2443KN1G3K150E

ENCODER CONNECTOR		
PIN	DESCRIPTION / DESCRIZIONE	COLOR / COLORE
1	A+	WHITE / BIANCO
2	A-	BROWN / MARRONE
3	Z+	GREY / GRIGIO
4	N.C.	
5	N.C.	
6	N.C.	
7	0V	BLUE / BLU
8	N.C.	
9	N.C.	
10	Vcc 5V + V-sense	RED / ROSSO
11	B+	PINK / ROSA
12	B-	BLACK / NERO
13	Z-	YELLOW / GIALLO
14	N.C.	
15	PE in common with PIN7 0V / PE comune con PIN7	
16	N.C.	
17	Schermo / Shield	ORANGE / ARANCIO



POWER CONNECTOR: 8 POLES MALE M23
(M23 8 POLES FEMALE CONNECTOR INCLUDED)
CABLE LENGHET ~1m

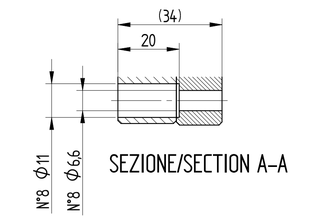
POWER CONNECTOR	
PIN	DESCRIPTION
1	MOTOR PHASE U
2	GROUND
3	MOTOR PHASE V
4	MOTOR PHASE W
A	THERMAL ALARM (KTY)
B	THERMAL ALARM (KTY)
C	N.C.
D	N.C.



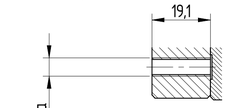
BEARINGS AIR-OIL LUBRICATION DATA (FRONT & REAR)	
Oil type	MOBIL DTE OIL HEAVY MEDIUM VG68
Oil quantity (mm3/h)	140 ÷ 170
Pressure (bar)	1,5 ± 0,2

UTENZE (CONNECTIONS)

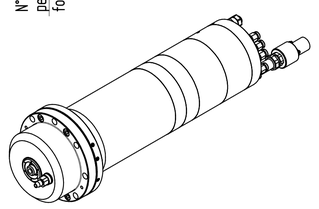
COD.	DESCRIPTION	DESCRIZIONE	NOTE
1	COOLANT INLET	INGRESSO LIQUIDO REFRIGERANTE	G 1/8 - Øext 6mm - 4 l/min
2	COOLANT OUTLET	USCITA LIQUIDO REFRIGERANTE	G 1/8 - Øext 6mm
3	ELECTROSPINDLE PRESSURIZATION AIR INLET	INGRESSO ARIA PRESSURIZZAZIONE	G 1/8 - Øext 6mm - 1.5÷2 bar
4	TOOLHOLDER RELEASE AIR INLET	INGRESSO ARIA SBLOCCAGGIO UTENSILE	G 1/8 - Øext 6mm - 6÷7 bar
5	TOOLHOLDER LOCKING AIR INLET	INGRESSO ARIA BLOCCAGGIO UTENSILE	G 1/8 - Øext 6mm - 3÷6 bar
6	BEARINGS LUBRICATION ASPIRATION	ASPIRAZIONE ARIA/OLIO CUSCINETTI	G1/8 - Øext 8mm - 0,3 bar
7	CONE CLEANING AIR INLET	INGRESSO ARIA PULIZIA CONO	G 1/8 - Øext 6mm - 4÷6 bar
8	FRONT BEARINGS AIR-OIL LUBRICATION	MANDATA ARIA/OLIO CUSCINETTI ANT.	G 1/8 - Øext 6mm
9	REAR BEARINGS AIR-OIL LUBRICATION	MANDATA ARIA/OLIO CUSCINETTI POST.	G 1/8 - Øext 6mm



SEZIONE/SECTION A-A



SEZIONE/SECTION C-C



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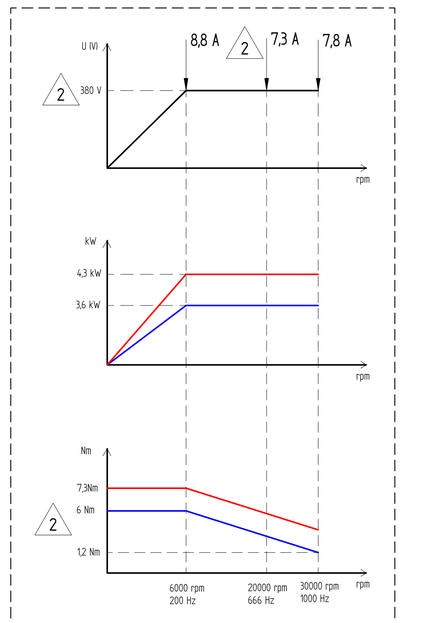

MOTORE ASINCRONO 4 POLI 380V
ASYNCHRONOUS MOTOR 4 POLES 380V

REV.	DESCRIZIONE REVISIONE / REVISION DESCRIPTION	N°◁	N°CR	DATA / DATE	FIRMA / SIGN
2	Il motore passa da 220V a 380V		2	1/7/2016	N.M.
3	Modificata posizione angolare di M10x1 per il perno antirotazione (da 10° a 5°)		3	1/7/2016	N.M.
4	Modificata oscillazione e quota barena (era 0,010 a 150mm)		4	1/8/2016	N.M.

	DISEGNATO / DRAWN BY	CONTROLLATO / CHECKED BY	APPROVATO / APPROVED
DATA DATE	31/5/2016	1/6/2016	
FIRMA SIGN	Maggioli G.	Memoli S.	

PESO / WEIGHT: 24 kg

GREZZO DA / RAW BY :

COD. GREZZO / RAW CODE :

SCALA / SCALE: 1 : 1 FOGLIO / SHEET: 1 / 1

QUOTE SENZA INDICAZIONE DI TOLLERANZA POSITIONS WITHOUT TOLERANCE INFORMATION

- LAVORAZIONI MECCANICHE / MECHANICAL WORKINGS :
- SALDOCARPENTERIE / WELDMENT :
- GETTI / MELT CASTING :

MATERIALE / MATERIAL :

TRATTAMENTO TERMICO / HEAT TREATMENT :

RIVESTIMENTO SUPERFICIALE / SURFACE TREATMENT :

CICLO DI VERNICIATURA / PAINTING CYCLE :

DENOMINAZIONE / DESCRIPTION :

ES334 L E40 3,6kW 380V 30krpm L+B

CODICE ARTICOLO / ARTICLE CODE: 6161H1531

REVISIONE / REVISION: 4

HSD DIVISION

A1

RIPRODUZIONE ED DIFFUSIONE MEDIATA A QUALSIASI MEZZO DI QUESTO DISEGNO SONO VIETATE SENZA AUTORIZZAZIONE DELLA HSD S.P.A. DRAWING IS FORBIDDEN