Dati tecnici

Nome pompa MATRIX 3-2T/0.45 Q1AEGG

Committente	Data 09/05/2024	Società
Contatto	Art. N°	Rilasciato da
Telefono	Offerta	Telefono
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Dati d'esercizio richiesti

1	Pompa tipo	HORIZONTAL MULTISTAGE PUMPS	Fluido		Glicole propilenico
2	Numero pompe / Riserva	1 / 0	Temperatura mezzo	°C	-20
3	Portata m³/h		Viscosità cinematica	mm²/s	45.99
4	Prevalenza m		Tensione di vapore	kPa	0.5495
5	Prevalenza geodetica m		Valore PH		7
6	Pressione all'entrata (pin) kPa	0	Densità	kg/m³	1050
7	NPSH disponibile nell'impianto		Materia solida	Weight %	0
8	Temperatura ambiente °C	20			

Pompa

9	Nome pompa	MATRIX 3-2T/0.45 Q1AEGG	Frequenza		Hz	50
10	Modello	HORIZONTAL MULTISTAGE PUMPS	Installazione			STANDARD
11	Costruttore	EPE	Girante Diametro	Max.	mm	99
12	Velocità 1/min	2850		Progettata	mm	99
13	No. of Stage	2		Min.	mm	99
14	Raccordo Lato aspirazione	UNI ISO 228	Portata	operativo	m³/h	
15	Raccordo Lato mandata	UNI ISO 228		Max-	m³/h	3.92
16	Max. pressione esercizio kPa	1000		Min-	m³/h	0.98
17	Shut-off head kPa	232.57	Prevalenza	operativo	m	
18	Peso complessivo kg	Vedi la tabella "Dimensioni".		- (Qmax.)	m	6.0
19	Potenza assorbita kW			- (Qmin.)	m	19.0
20			Max. Shaft Power at max. impeller		kW	0.38
21	NPSH richiesto dalla pompa m		Rendimento		%	

Materials

22	Girante	AISI 304		
23	Corpo a spirale	AISI 304		
24	Albero	AISI 304 wet extension		
25				
26				
27				

Motore

28	Costruttore	EPE Standard	Classe di isolamento		F
29	Tipo	TEFC_MATRIX 3-2T/0.45_400_Three Phase	Fasi		3~
30	Progettazione dedicata	- / 50 Hz / Coppie polari 1	Dimensioni telaio		
31	Potenza nominale kW	0.45	Peso	kg	
32	Numero di poli	2	Tensione elettrica	V	400
33	Velocità 1/min	2850	Corrente elettrica	A	1.39
34	Grado di protezione	IP 55			
35					

Remarks

EBARA

Curva prestazioni

Nome pompa MATRIX 3-2T/0.45 Q1AEGG

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Dati d'esercizio richiesti

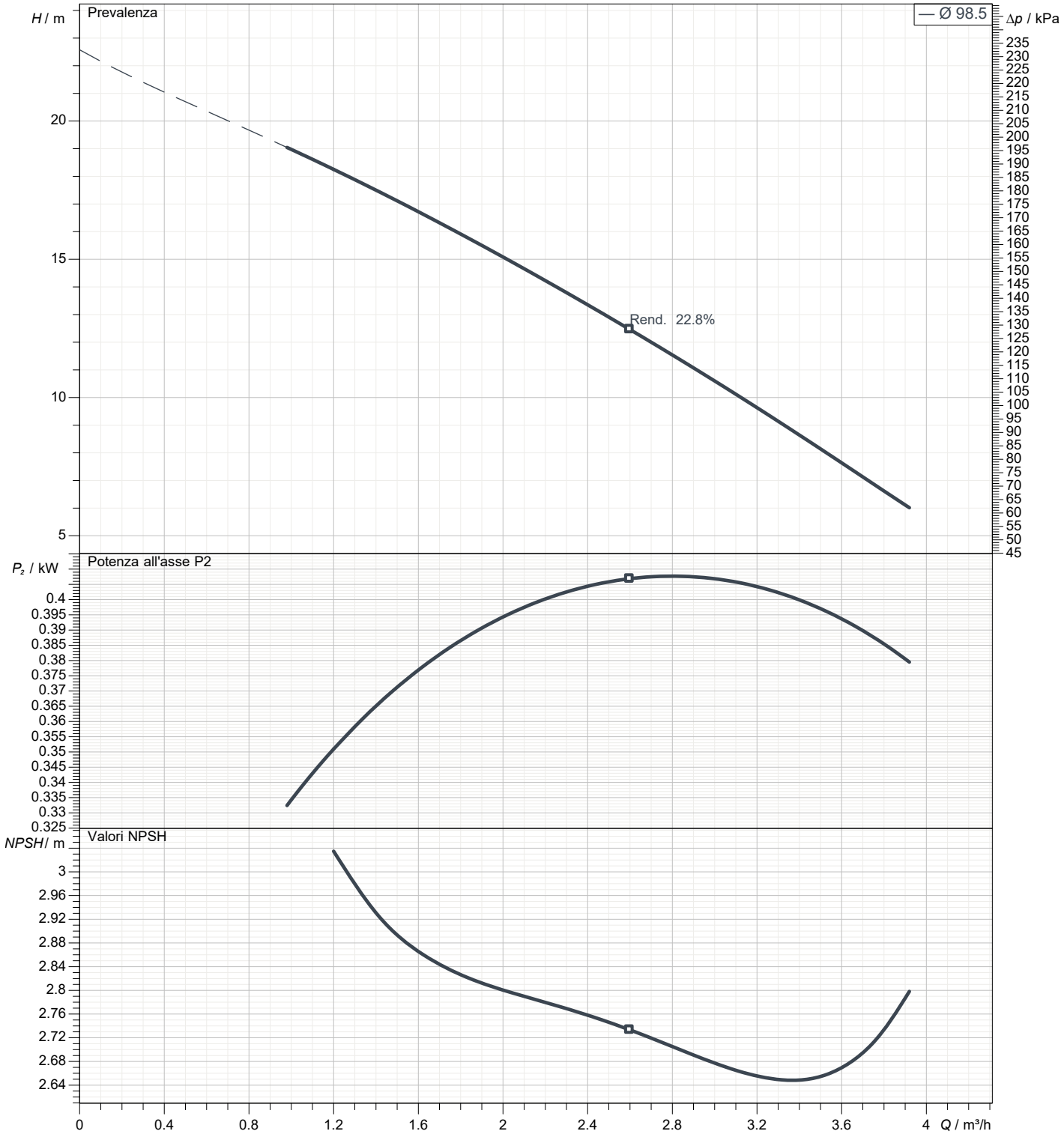
1	Portata	m³/h	
2	Prevalenza	m	
3	Prevalenza geodetica	m	

Pompa

Flusso d'esercizio	m³/h		Frequenza	Hz	50
Prevalenza d'esercizio	m		Numero di poli		2
Diametro della girante progettato	mm	99	Velocità	1/min	2850

Standard test: ISO 9906:2012 - Grado 3B

Acqua; 20°C; 998.3kg/m³; 1mm²/s

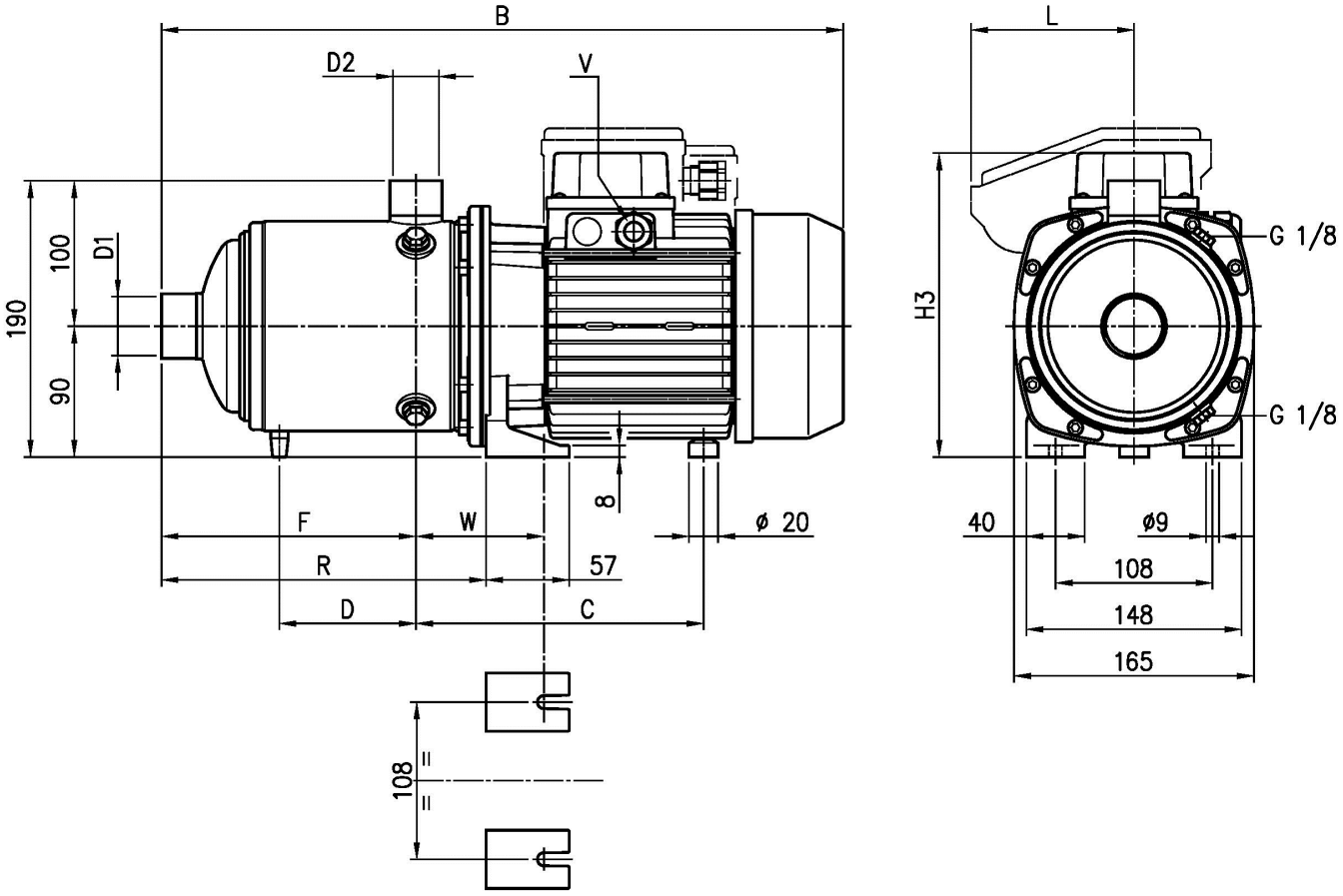


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Dimensioni

Nome pompa MATRIX 3-2T/0.45 Q1AEGG

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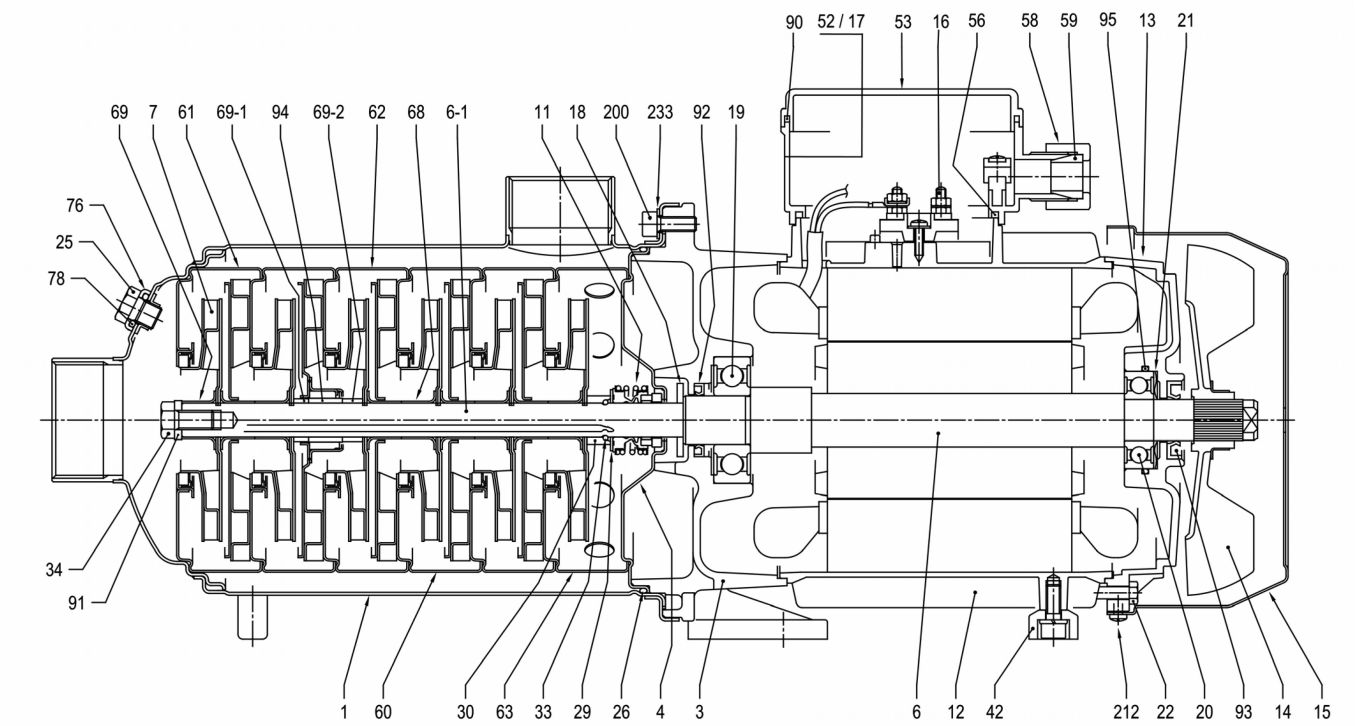
Dimensioni	mm	
1	B	360
2	C	171
3	Dia D1	1"
4	Dia D2	1"
5	F	103
6	H3	192
7	R	151.5
8	V	M16X1.5
9	W	0
10	Weight P&M	9,2kg
11		
12		
13		
14		
15		

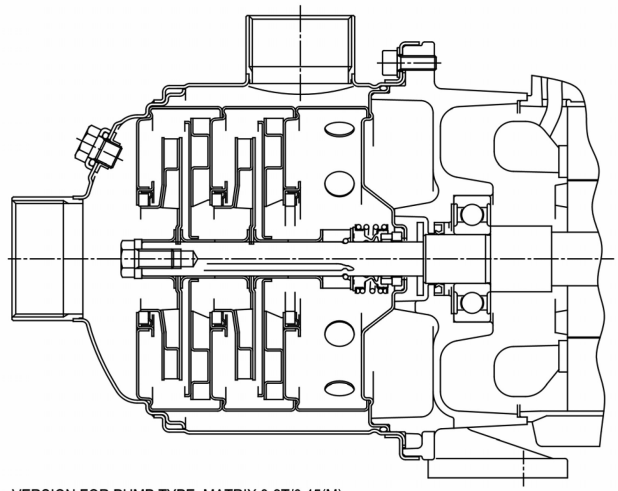
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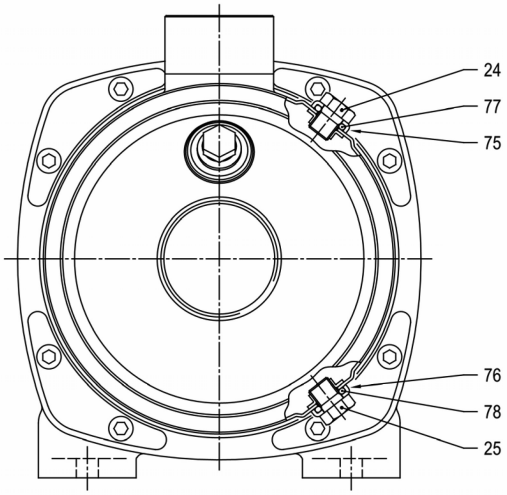
Costruzione

Nome pompa MATRIX 3-2T/0.45 Q1AEGG

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VERSION FOR PUMP TYPE: MATRIX 3-2T/0.45(M)
MATRIX 5-2T/0.45(M)
MATRIX 10-2T/0.75(M)

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Costruzione

Nome pompa MATRIX 3-2T/0.45 Q1AEGG

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N°	PART NAME	MATERIAL	DIMENSION	STANDARD	Q.TY
1	Casing	EN 1.4301 (AISI 304)			1
3	Bracket	EN AB-AlSi11Cu2(Fe)			1
4	Casing cover	EN 1.4301 (AISI 304)			1
6	Shaft with rotor	-			1
6-1	Pump Shaft	EN 1.4301 (AISI 304)			1
7	Impeller	EN 1.4301 (AISI 304)			[1]
11	Mechanical seal [3]	Carbon/Ceramic/EPDM			1
12	Motor frame with stator	-			1
13	Motor cover	Aluminium			1
14	Fan	PA6			1
15	Fan cover	Fe P04 Zinc-coated			1
16	Terminal board	-			1
17	Terminal box cover	Aluminium			[1]
18	Splash ring	NBR	30x13.5x2.5		1
19	Bearing	-			1
20	Bearing	-			1
21	Adjusting ring	Steel C70			1
22	Tie rod	Fe 42 Zinc-coated			4
24	Plug	EN 1.4301 (AISI 304)			1
25	Plug	EN 1.4301 (AISI 304)			1
26	O-ring	EPDM			1
29	Washer	EN 1.4301 (AISI 304)	25.1x14x1		1
30	Ring holder	EN 1.4301 (AISI 304)			1
33	Ring	EN 1.4301 (AISI 304)			2
34	Screw	EN 1.4301 (AISI 304)	M 8x16	UNI 5739	1
42	Foot	Aluminium			[1]
52	Capacitor box [2]	ABS class V-0			1
53	Capacitor box cover [2]	ABS class V-0			1
56	Box gasket	NBR			1
58	Ring nut	-			[1]
59	Conic gasket	NBR			[1]
60	Intermediate casing	EN 1.4301 (AISI 304)+PPS			[1]
61	Intermediate casing (suction)	EN 1.4301 (AISI 304)+PPS			1
62	Intermediate casing (bearing)	EN 1.4301 (AISI 304)+PPS + Ceramic			[1]
63	Intermediate casing (discharge)	EN 1.4301 (AISI 304)+PPS			1
68	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)			[1]
69	Impeller spacer	EN 1.4301 (AISI 304)			1
69-1	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)			[1]
69-2	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)			[1]
75	Washer (plug)	EN 1.4301 (AISI 304)			1
76	Washer (plug)	EN 1.4301 (AISI 304)			1
77	O-ring	EPDM	9.19x2.62		1
78	O-ring	EPDM	9.19x2.62		1
90	Terminal box cover gasket [2]	NBR	-		[1]
91	Shaft washer	EN 1.4301 (AISI 304)			1
92	Lip seal 0.45-0.65-0.75-0.9 kW	-	17x32x6		1
	Lip seal 1.3-1.5-2.2 kW		20x30x4		1
	Lip seal 2.2M-3-4 kW		25x40x7		1
93	Lip seal 0.45-0.65-0.75-0.9 kW	-	15x30x5		1
	Lip seal 1.3-1.5-2.2 kW		17x32x7		1
	Lip seal 2.2M-3-4 kW		25x40x7		1
94	Shaft sleeve (bearing)	WC - Tungsten carbide			[1]
200	Screw	EN 1.4301 (AISI 304)	M6x16	UNI 5931	8
212	Screw	Zincate Steel			4
233	Plate	EN 1.4301 (AISI 304)			4

[1] See **CONSTRUCTION 3**
[2] Only for Single Phase
[3] See **CONSTRUCTION 4**

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Costruzione

Nome pompa MATRIX 3-2T/0.45 Q1AEGG

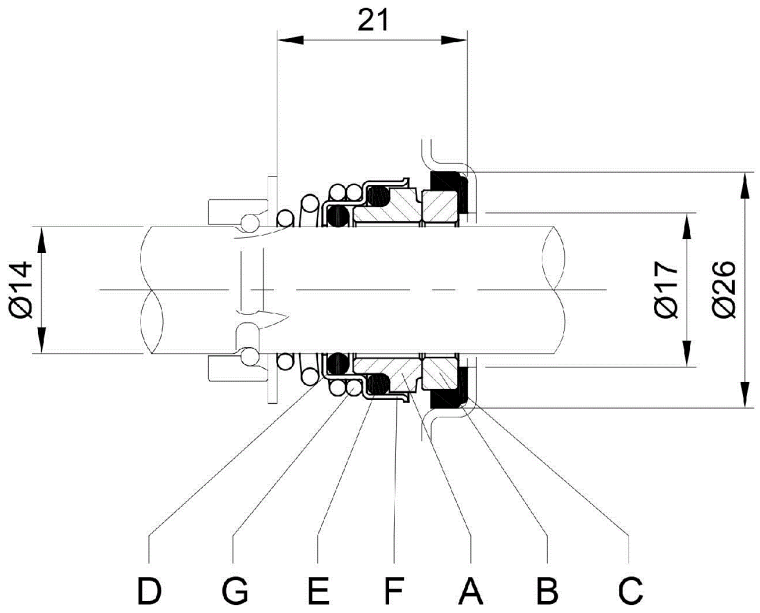
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Pump type	N°. 7 Impeller	N°. 17 Terminal box cover	N°. 30-1 Shaft sleeve (adjustment)	N°. 30-2 Shaft sleeve (adjustment)	N°. 42 Foot	N°. 58 Ring nut	N°. 59 Conic gasket	N°. 60 Intermediate casing	N°. 62 Intermediate casing (bearing)	N°. 68 Shaft sleeve (intermediate)	N°. 69-1 Shaft sleeve (adjustment)	N°. 69-2 Shaft sleeve (adjustment)	N°. 90 Terminal box cover gasket	N°. 94 Shaft sleeve (adjustment)
MATRIX 3-2T/0.45M	2	-	-	-	1	1	1	1	-	4	-	-	1	-
MATRIX 3-2T/0.45		1	-	-	1	-	-	1	-	4	-	-	-	-
MATRIX 3-3T/0.65M	3	-	-	-	1	1	1	1	-	4	-	-	1	-
MATRIX 3-3T/0.65		1	-	-	1	-	-	1	-	4	-	-	-	-
MATRIX 3-4T/0.65M	4	-	-	-	1	1	1	2	-	6	-	-	1	-
MATRIX 3-4T/0.65		1	-	-	1	-	-	2	-	6	-	-	-	-
MATRIX 3-5T/0.75M	5	-	-	-	1	1	1	3	-	8	-	-	1	-
MATRIX 3-5T/0.75		1	-	-	1	-	-	3	-	8	-	-	-	-
MATRIX 3-6T/0.9M	6	-	-	-	1	1	1	4	-	10	-	-	1	-
MATRIX 3-6T/0.9		1	-	-	1	-	-	4	-	10	-	-	-	-
MATRIX 3-7T/1.3M	7	-	-	-	1	1	1	4	1	10	1	1	1	1
MATRIX 3-7T/1.3		1	-	-	1	-	-	4	1	10	1	1	-	1
MATRIX 3-8T/1.3M	8	-	-	-	1	1	1	5	1	12	1	1	1	1
MATRIX 3-8T/1.3		1	-	-	1	-	-	5	1	12	1	1	-	1
MATRIX 3-9T/1.5M	9	-	-	-	1	1	1	6	1	14	1	1	1	1
MATRIX 3-9T/1.5		1	-	-	1	-	-	6	1	14	1	1	-	1

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Costruzione

Nome pompa MATRIX 3-2T/0.45 Q1AEGG

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Version	Material						
	A Rotary seal ring	B Stationary seal ring	C Gasket	Special D O-ring	E O-ring	F Spring	G Retainer ring
Q1AEGG	Metalized Carbon	Silicon Carbide	EPDM	EPDM	EN 1.4402 (AISI 316)	EN 1.4402 (AISI 316)	EN 1.4402 (AISI 316)