Booster set name

Technical Data

3GPE EVMS10 8N5/3,0 ESPT (UK)

Customer	Date 07.10.2026	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	Booster Set	Fluid		Water
2	Number of pumps	3	Liquid temperature	°C	20
3	Flow m³/h		Kin. viscosity	cSt	1.005
4	Head m		Vapour pressure	kPa	2.34
5	Geodetic head m		PH value		
6	Inlet pressure kPa	0	Density	kg/m³	998.3
7	Available system NPSH	Ask our technical department.	Solids	Weight %	0
8	Ambient temperature °C	20	Installation height	m	100

Booster Set

9	Booster set name	3GPE EVMS10 8N5/3,0 ESPT (UK)	Frequency		Hz	50
10	Design	Booster Set				
11	Manufacturer	EBARA	Impeller Dia.	Max.	mm	96
12	Speed rpm	2900		Designed	mm	96
13	No. of Stage	8		Min.	mm	96
14	Connection Suction side	UNI ISO 228 PN16	Flow	Operating	m³/h	
15	Connection Discharge side	UNI ISO 228 PN16		Max-	m³/h	15
16	Max Working Pressure kPa	1600		Min-	m³/h	4.5
17	Shut-off head kPa	853.41	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	39.3
19	Shaft power kW			- (Qmin.)	m	84.9
20			Max. Shaft Power at max. impeller		kW	2.89
21	Required NPSH m		Efficiency		%	

Materials

22	Frame	Galvanized steel	Shaft	AISI 304
23	Manifold	AISI 304	O-ring	EPDM
24	Check valve	Brass / NBR		
25	Ball / Butterfly valve	Brass / PTFE		
26	Impeller	AISI 304		
27	Casing	AISI 304		

Motor

28	Manufacturer	ETM	Insulation class		F
29	Type	TEFC_EVMS10 8/3.0_400_Three Phase	Phases		3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size		100
31	Rated power kW	3	Weight; motor	kg	23.3
32	Number of poles	2	Electric voltage	V	400
33	Speed rpm	2875	Electric current	A	12.3
34	Degree of protection	IP 55			
35					

Remarks

Item intended for the UK market only.

EBARA

Performance curve

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Requested data

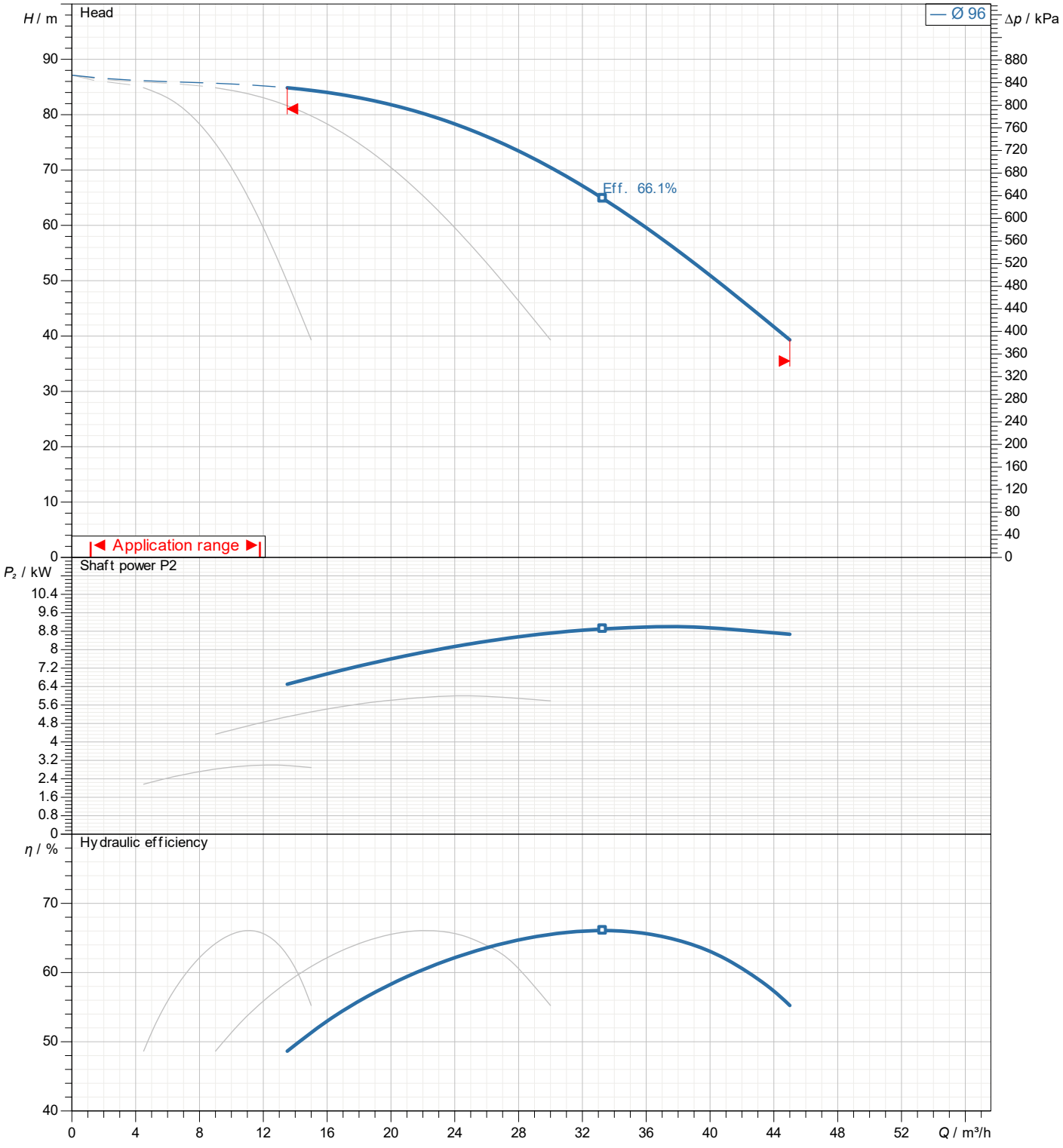
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Booster set

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller Diameter Designed	mm	96	Speed	rpm	2900

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1cSt



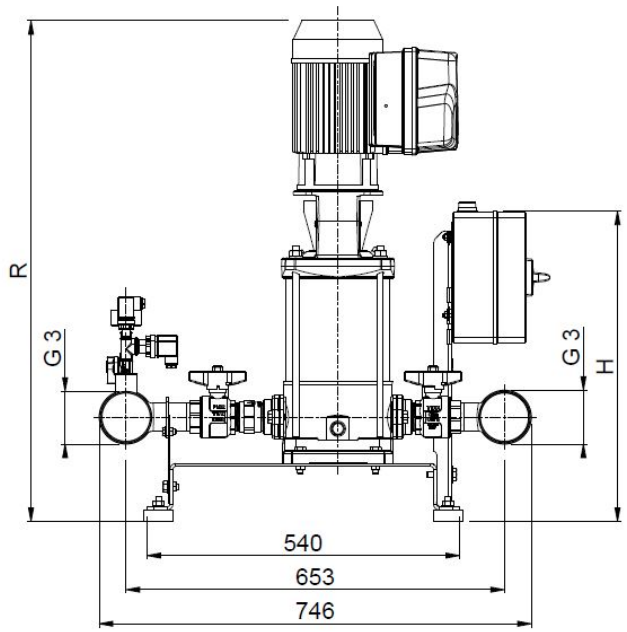
EBARA

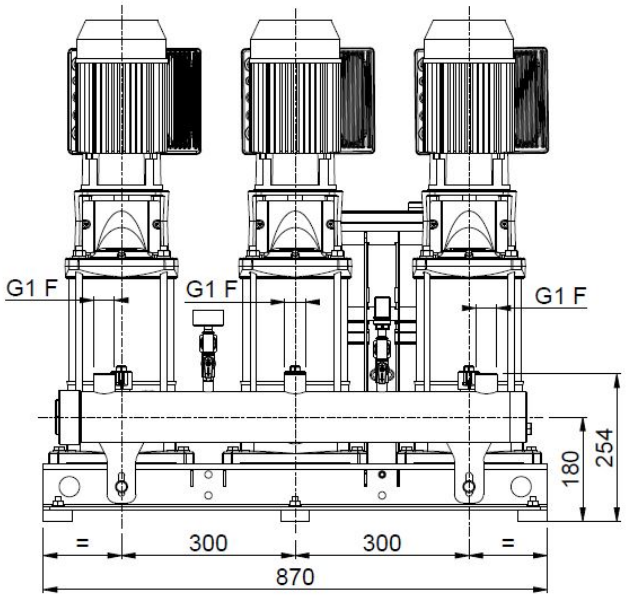
Dimensions

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Dimensions in	mm							
1	H	535						
2	R	985						
3	Weight kg	135						
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

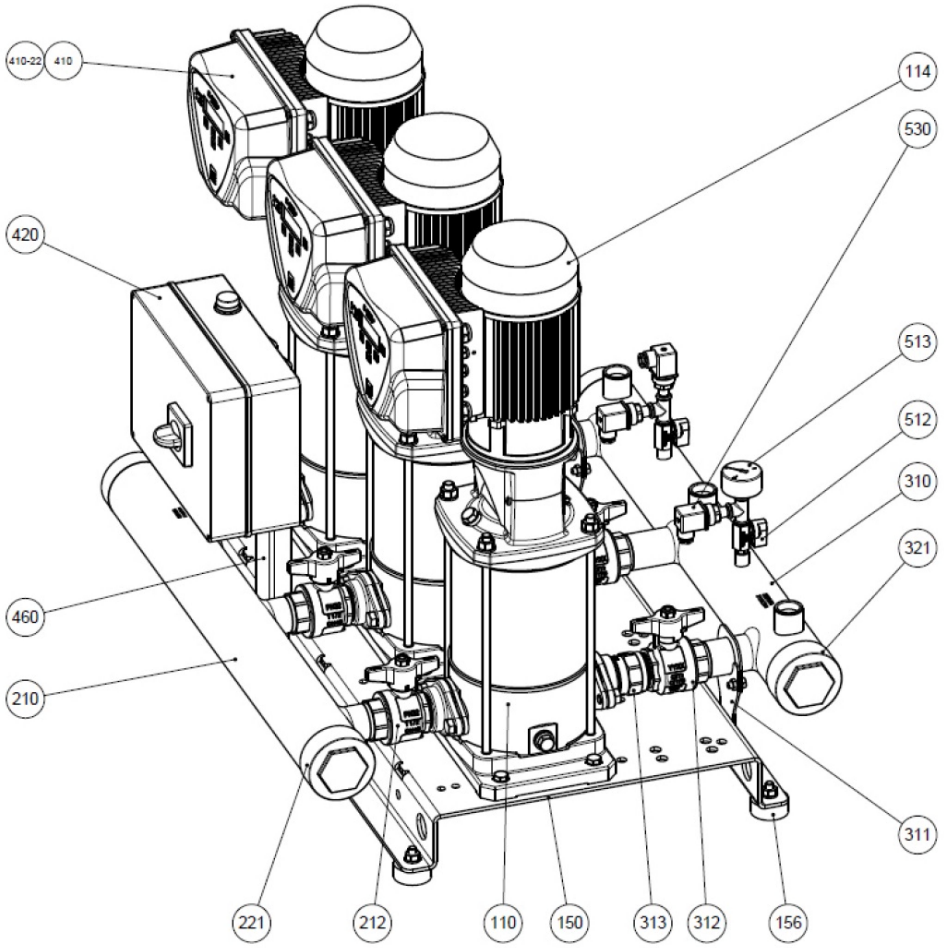
EBARA

(1/2)
Construction

Booster set name

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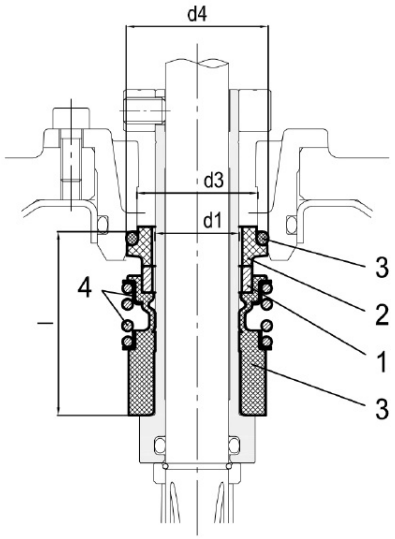
N°	PART NAME	MATERIAL	Quantity
110	Principal pump	-	3
114	Electric motor	-	3
150	Baseplate	Galvanized steel	1
156	Baseplate foot	SBR	6
210	Suction manifold	AISI 304	1
212	Ball valve	Brass / P.T.F.E.	3
221	Threaded female cap	AISI 304	1
310	Discharge manifold	AISI 304	1
311	Manifold bracket	Galvanized steel	2
312	Ball valve	Brass / P.T.F.E.	3
313	Check valve	Brass / NBR	3
321	Threaded female cap	AISI 304	1
410	E-SPD+	-	3
410-22	E-SPD+ adaptor	-	3
420	Protection panel	-	1
460	Protection panel frame	Galvanized steel	1
512	Ball valve	Brass / P.T.F.E.	2
513	Pressure gauge	Copper alloy / plastic	1
530	Pressure transmitter	-	3

(2/2)
Construction

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● : Standard

Pump model	Max operating temperature	Shaft seal type		Shaft seal material									Type key
Max operating pressure		Cartridge		1		2		3		4	5		
		Unbalanced	Balanced	Rotating Part	Code	Stationary Part	Code	Elastomers	Code	Compression spring	Collar	Code	
up to 16 bar	- 30℃ to + 120℃	●		SiC	(Q1)	Carbon	(B)	EPDM	(E)	AISI 316		(G)	Q1BEG

Max operating pressure	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	l [mm]
16 bar	20	-	29	35	37.5