

Technical data

Pump name

125x100 CNGA 5 5.5

Customer	Date 2021-05-14	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	Horizontal Split Casing	Fluid	Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature	°C 20
3	Flow m³/h		Kin. viscosity	mm²/s 1.005
4	Head m		Vapour pressure	kPa 2.34
5	Geodetic head m		PH value	
6	Inlet pressure (pin) kPa	0	Density	kg/m³ 998.3
7	Available system NPSH		Solids	Weight % 0
8	Ambient temperature °C	20		

Pump

9	Pump name	125x100 CNGA 5 5.5	Frequency	Hz 50
10	Design	Horizontal Split Casing	Installation type	with base, motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 218
12	Speed rpm	1450		Designed mm 218
13	No. of Stage	1		Min. mm 178
14	Connection Suction side	JIS 16K	Flow	Operating m³/h
15	Connection Discharge side	JIS 16K		Max- m³/h 132
16	Max Working Pressure kPa	1600		Min- m³/h 0
17	Shut-off head kPa	167.99	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 11.2
19	Shaft power kW			- (Qmin.) m 17.2
20			Max. Shaft Power at max. impeller	kW 5.47
21	Required pump NPSH m		Efficiency	%

Materials

22	Casing	Cast iron		
23	Impeller	Bronze		
24	Shaft	316 Stainless steel		
25	Shaft sleeve	.		
26	Mechanical seal	.		
27	Ball bearing	.		

Motor

28	Manufacturer	TECO	Insulation class	F
29	Type	132S_B3_5.5_3_400	Phases	3~
30	Specific design	TEFC / 50 Hz / Pole pairs 2	Frame size	132 S
31	Rated power kW	5.5	Weight	kg 63
32	Number of poles	4	Electric voltage	V 400
33	Speed rpm	1445	Electric current	A 11.4
34	Degree of protection	IP 55		
35				

Remarks

Performance curve

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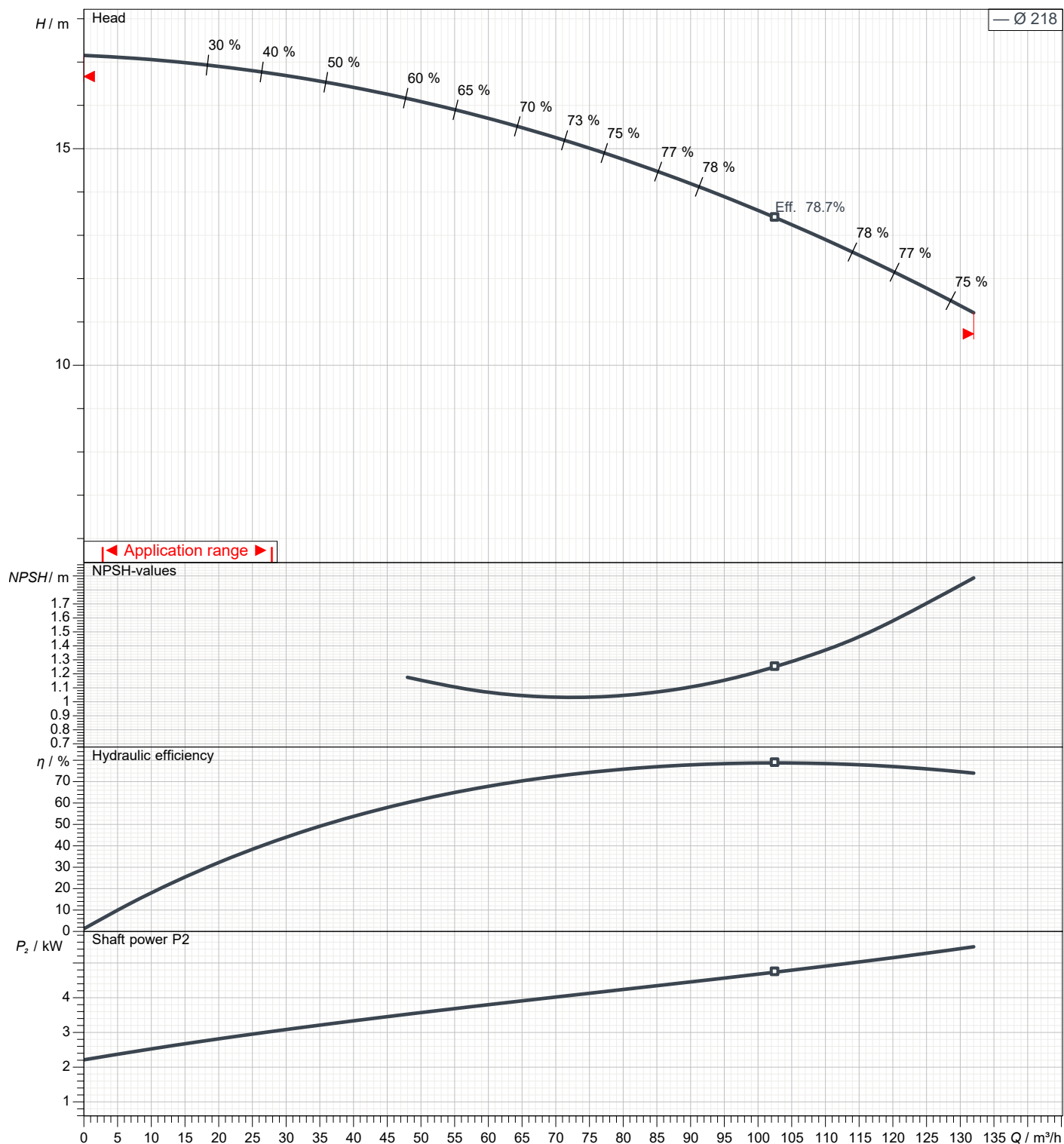
1	Flow	m³/h
2	Head	m
3	Geodetic head	m

Pump

Operating Flow	m³/h	Frequency	Hz	50
Operating Head	m	Number of poles		4
Impeller Diameter Designed	mm	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

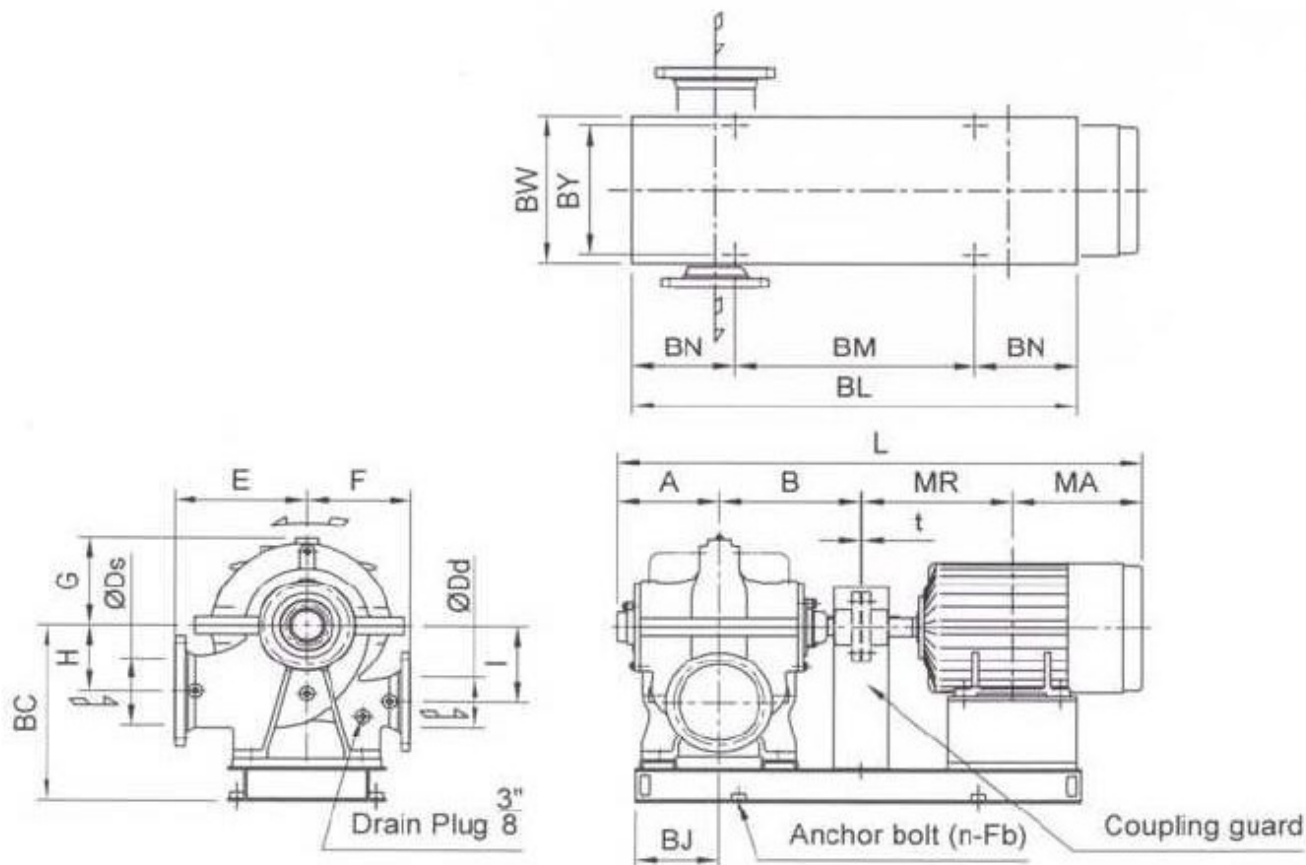
Water; 20°C; 998.3kg/m³; 1.005mm²/s



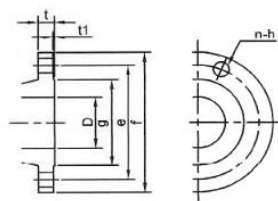
Dimensions

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Flange Dimension - Flange (JIS 16K RF)



Total weight : 312 kg

Pump dimensions mm				Suction side mm		Discharge side mm	
A	231	H	150	D	125	D	100
B	350	I	150	e	225	e	185
BC	411	L	1038	f	270	f	225
BJ	170	MA	215	g	195	g	160
BL	870	MR	239	h	23	h	23
BM	570	n	4 (Num)	n Num	8 (Num)	n Num	8 (Num)
BN	150	t	3	t	26	t	26
BW	380			t1	2	t1	2
BY	330						
Dd	100						
Ds	125						
E	290						
F	250						
Fb	M12						
G	181						

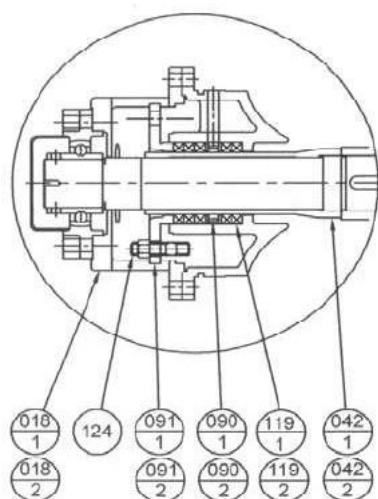
Construction

(2/2)

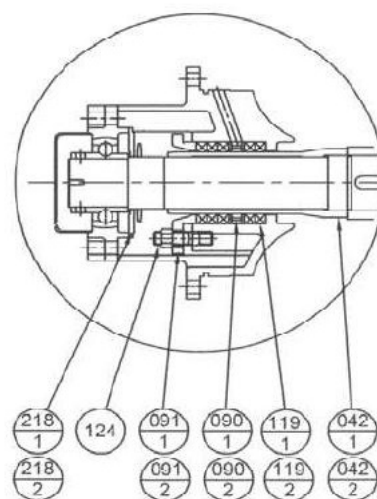
Construction

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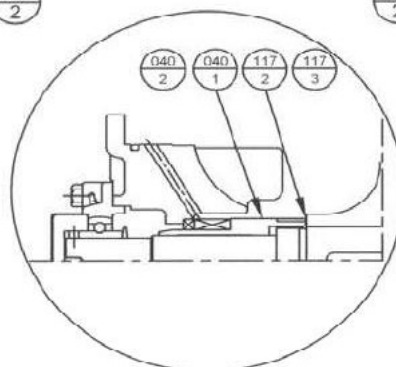
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Gland Packing
Type 1 (Option)



Gland Packing
Type 2 (Option)



Mechanical Seal with
Shaft Sleeve
(Option)

Gland Packing Type 2 (Option)

042-2	Shaft Sleeve (CCP Side)	BC6	1	119-2	Gland Packing (CCP Side)	Carbonised Fiber	5
042-1	Shaft Sleeve (CP Side)			119-1	Gland Packing (CP Side)	Carbonised Fiber	5
218-2	Bearing Cover Plate (CCP Side)	FC150	1	090-2	Lantern Ring (CCP Side)	BC6	1
218-1	Bearing Cover Plate (CP Side)			090-1	Lantern Ring (CP Side)		
124	Gland Bolt	C3604BD-F	4	091-2	Gland (CCP Side)		
				091-1	Gland (CP Side)		

Gland Packing Type 1 (Option)

042-2	Shaft Sleeve (CCP Side)	BC6	1	119-2	Gland Packing (CCP Side)	Carbonised Fiber	5
042-1	Shaft Sleeve (CP Side)			119-1	Gland Packing (CP Side)	Carbonised Fiber	5
018-2	Bearing Support (CCP Side)	FC200	1	090-2	Lantern Ring (CCP Side)	BC6	1
018-1	Bearing Support (CP Side)			090-1	Lantern Ring (CP Side)		
124	Gland Bolt	C3604BD-F	4	091-2	Gland (CCP Side)		
				091-1	Gland (CP Side)		

Mechanical Seal with Shaft Sleeve Type (Option)

040-2	Shaft Sleeve (CCP Side)	BC6	1	117-3	Sleeve Gasket (CCP Side)	V#6500	1
040-1	Shaft Sleeve (CP Side)	BC6		117-2	Sleeve Gasket (CP Side)	V#6500	
No.	Part Name	Material	Qty	No.	Part Name	Material	Qty



EBARA