

Technical data

Pump name

350x300 CNFA 5 132

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	350x300 CNFA 5 132	Frequency	Hz 50
10	Design	Horizontal Split Casing	Installation type	with base, motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 345
12	Speed rpm	1450		Designed mm 345
13	No. of Stage	1		Min. mm 290
14	Connection Suction side	JIS 16K	Flow	Operating m³/h
15	Connection Discharge side	JIS 16K		Max- m³/h 1560
16	Max Working Pressure kPa	1600		Min- m³/h 0
17	Shut-off head kPa	409.13	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 17.0
19	Shaft power kW			- (Qmin.) m 41.8
20			Max. Shaft Power at max. impeller	kW 103.20
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	315SC_B3_132_3_400	Phases	3~
30	Specific design	TEFC / 50 Hz / Pole pairs 2	Frame size	315 SC
31	Rated power kW	132	Weight	kg 920
32	Number of poles	4	Electric voltage	V 400
33	Speed rpm	1480	Electric current	A 231
34	Degree of protection	IP 55		
35				

Remarks

Performance curve

Pump name

350x300 CNFA 5 132

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

Requested data

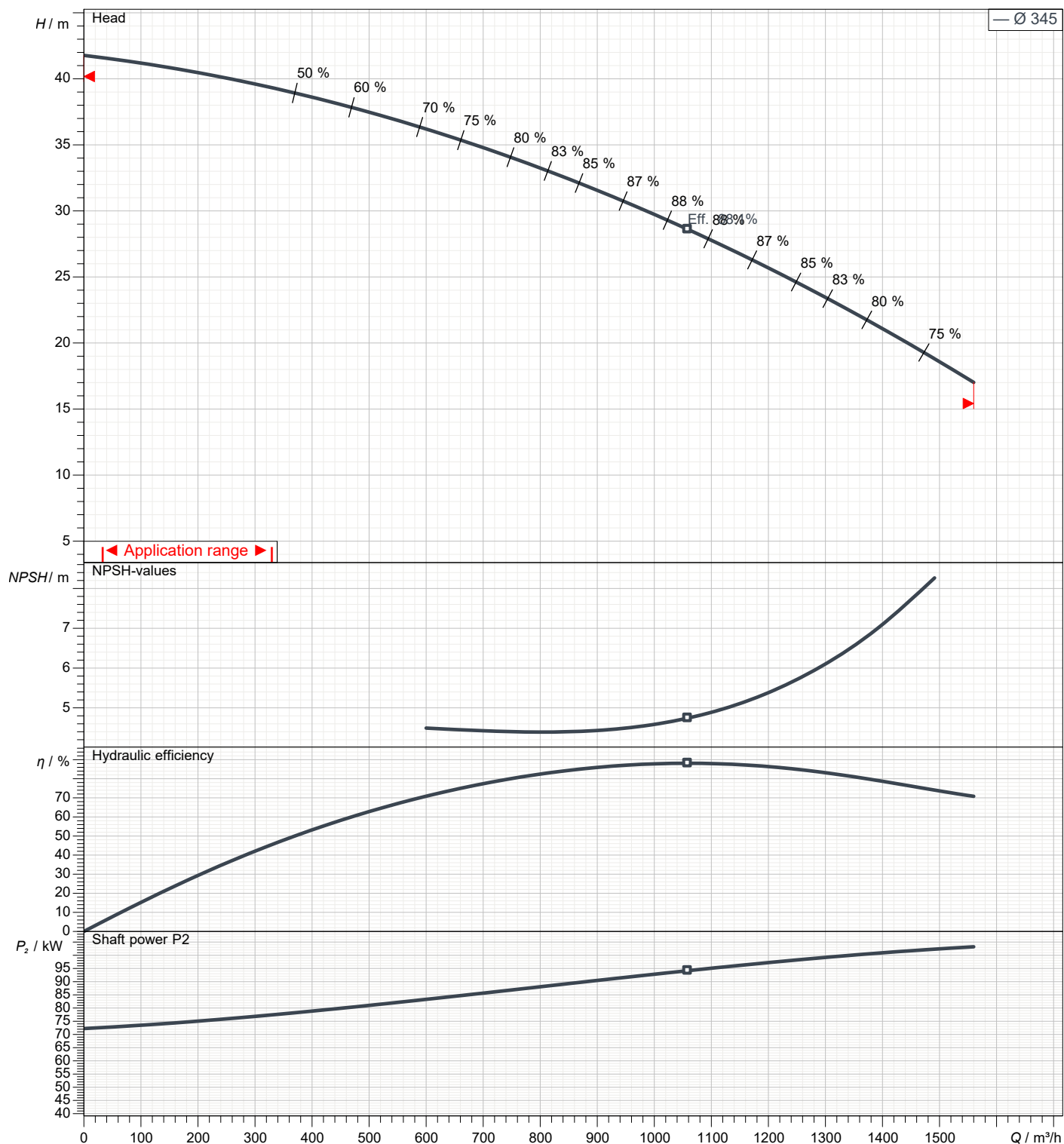
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating Flow	m³/h		Frequency	Hz	50
Operating Head	m		Number of poles		4
Impeller Diameter Designed	mm	345	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

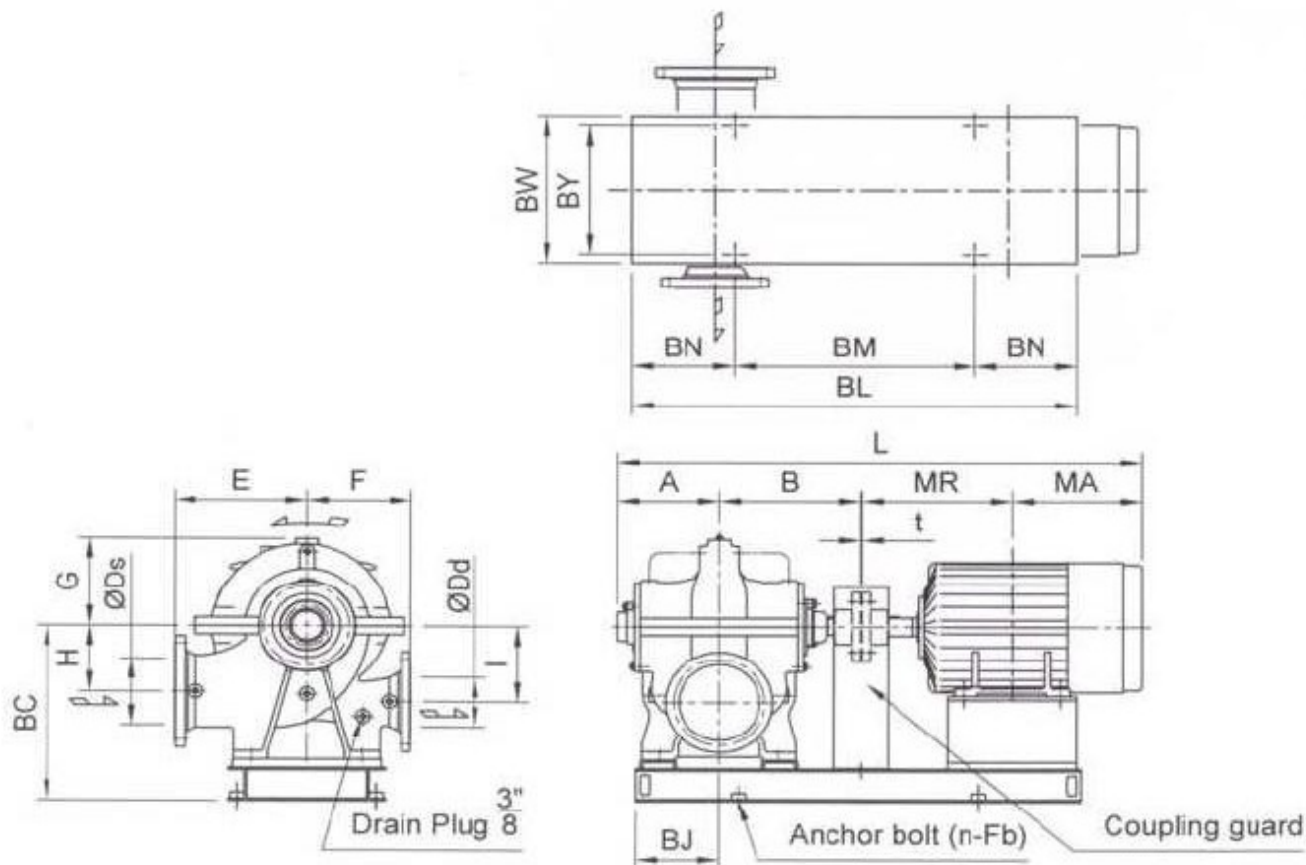
Water; 20°C; 998.3kg/m³; 1mm²/s



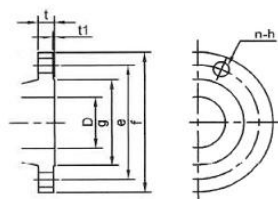
Dimensions

Pump name 350x300 CNFA 5 132

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



Flange Dimension - Flange (JIS 16K RF)



Total weight : 1990 kg

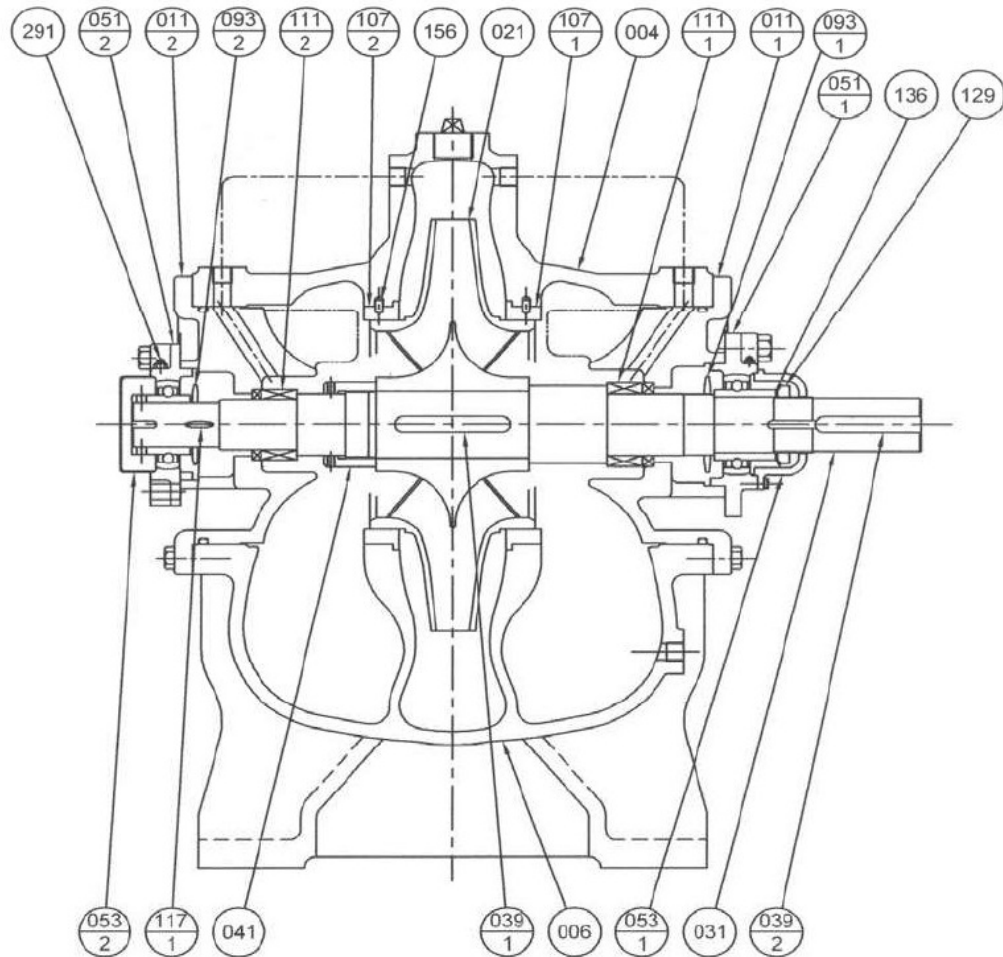
Pump dimensions				mm		Suction side		mm		Discharge side		mm	
A	386	H	310	D	350	D	300	e	480	e	430		
B	530	I	310	e	480	f	480	f	540	f	480		
BC	775	L	2036	f	540	g	395	g	440	g	395		
BJ	355	MA	527	h	27	h	27	h	27	h	27		
BL	1770	MR	589	n Num	16 (Num)	n Num	12 (Num)	n Num	16 (Num)	n Num	12 (Num)		
BM	2x710	n	6 (Num)	t	38	t	36	t	38	t	36		
BN	175	t	4	t1	3	t1	3	t1	3	t1	3		
BW	790												
BY	720												
Dd	300												
Ds	350												
E	560												
F	450												
Fb	M22												
G	345												

(1/2)

Construction

Pump name 350x300 CNFA 5 132

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



Mechanical Seal Type (Standard)

051-2	Bearing Unit	FC200	1	291	Grease Nipple	C3604BD-F	2
051-1	Bearing Unit			156	Lock Pin	SUS304	
041	Impeller Nut			BC6	136	Bearing Washer	SS400
039-2	Coupling Key	S50C		129	Bearing Nut	1	
039-1	Impeller Key	316 Stainless Steel		117-1	Gasket (Casing)		V#6500
031	Shaft			111-2	Mechanical Seal		-
021	Impeller	BC6		111-1	Mechanical Seal		-
011-2	Side Cover	FC250		107	Casing Wear Ring	BC6	2
011-1	Side Cover			093-2	Deflector (CCP Side)	Rubber	1
006	Casing Lower Half			093-1	Deflector (CP Side)		
004	Casing Upper Half			053-2	Bearing Cover	FC200	
			053-1	Bearing Cover			
No.	Part Name	Material	Qty	No.	Part Name	Material	Qty



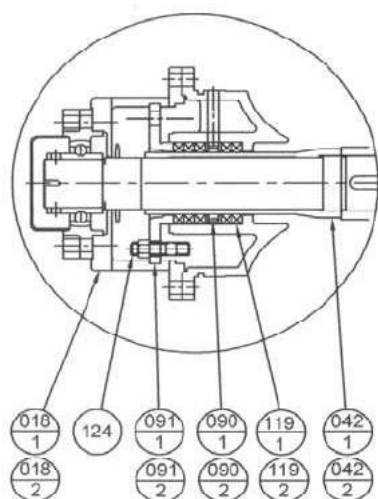
EBARA

(2/2)

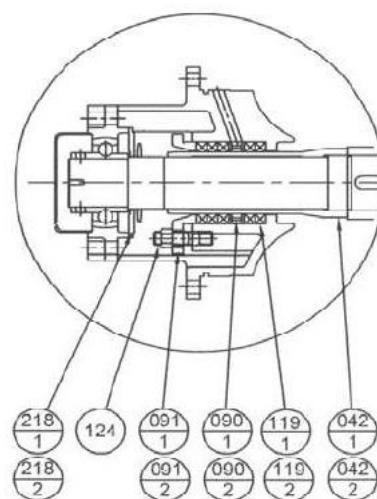
Construction

Pump name 350x300 CNFA 5 132

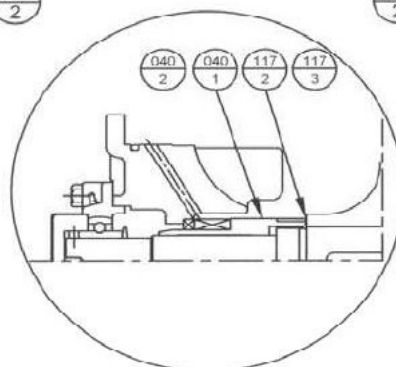
Customer	Date 2021-05-14	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail



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