

# FHE 50-160/00

Company	Customer	Date	17-5-2018
Contact	Contact	Item no.	
Phone number	Phone number	Project	
Email	Email	Project no.	

## Operating data

1	Pumpe type	Single head pump	Fluid	Water, pure
2	No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
3	Nominal flow	m³/h 0	pH-value at t A	7
4	Nominal head	m 0	Density at t A	kg/dm³ 1
5	Static head	m 0	Kin. viscosity at t A	mm²/s 1,569
6	Inlet pressure	bar 0,098	Vapor pressure at t A	bar 0,0083
7	Environmental temperature	°C 4	Solids	0
8	Available system NPSH	m 0	Altitude	m 1000

## Pump data

9	Pump designation	FHE 50-160/00	Impeller Ø	Max.	mm	174
10	Design	Electrical surface pump		designed	mm	174
11	Make	Lowara		Min.	mm	174
12	Speed	1/min 2900	Flow	Nominal	m³/h	( )
13	Number of stages	1		Max-	m³/h	90
14	Suction nozzle	DN 65 / PN 12		Min-	m³/h	
15	Discharge nozzle	DN 50 / PN 12	Head	Nominal	m	
16	Max. casing pressure	bar		at Qmax	m	21
17	Max. working pressure	bar 3,9		at Qmin	m	39,9
18	Impeller type		Shaft power	kW ( )		
19	Impeller design		Max. shaft power	kW 7,6		
20	Head H(Q=0)	m 40	Efficiency	%		
21	Weight	kg On demand	NPSH 3%	m		

## Materials

	Pump	Shaft Seal
22		
23	Adapter	Cast iron/ASTM Class 25
24	Counterwear ring	Stainless steel/AISI 316L
25	Elastomers	NBR
26	Fill and drain plugs	Nickel-plated brass/ EN 12164
27	Fill and drain plugs seals	Aluminium/EN 573
28	impeller	Stainless steel/AISI 316L
29	Impeller lock nut and washer	Stainless steel/AISI 316
30	Pump body	Cast iron/ASTM Class 25
31	Pump body fastening bolts and screws	Galvanized steel
32	Seal casing	Cast iron/ASTM Class 25
33	Shaft extension	Stainless steel/AISI 316L
34	Shaft rigid coupling	Stainless steel/AISI 316L
35	Tab	Stainless steel/AISI 316L
37	Wear ring	Stainless steel/AISI 316L
36		
38		

## Motor data

39	Manufacturer	Lowara	Electric voltage	
40	Specific design	3 phase IE2 motors (high efficiency)		Series
41	Type	PLM132B14S/375	Electric current	Type
42	Rated power	0 kW	Degree of protection	IP 55
43	Speed	0 1/min	Insulation class	B
44	Frame size	56	Color	RAL 5010
45	Weight	0 kg		Weight
				kg
				Coupling protection
				Materials :

## Base plate

46	Name	
47	Weight	kg

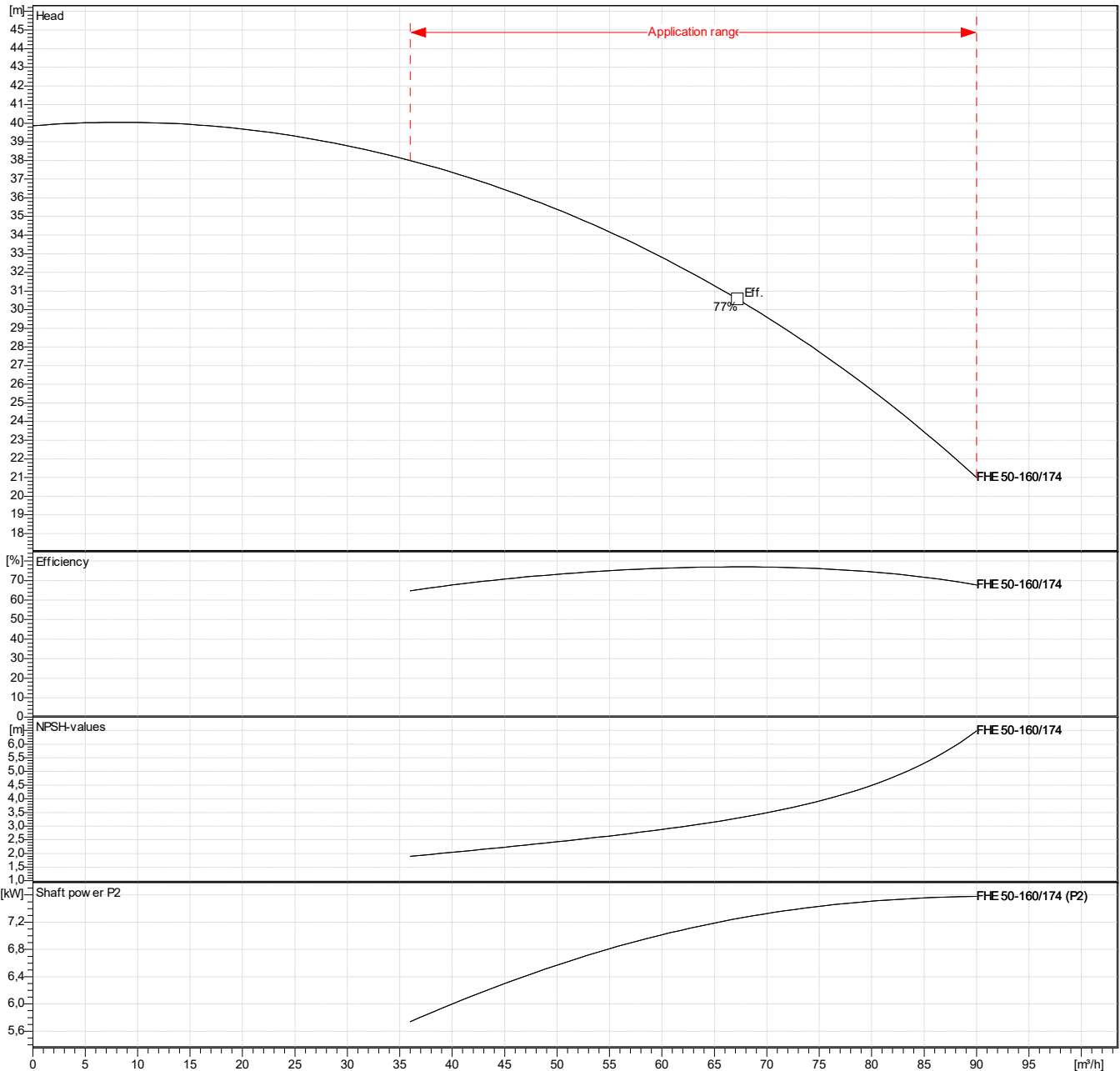
## Coupling

Remarks:	
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<b>Operating Data Specification</b>	<b>Hydraulic data (duty point)</b>	<b>Impeller design</b>	
Flow Head Static head	0 m³/h 0 m 0 m	Impeller R Frequency Speed	174 mm 50 Hz 2900 1/min

Power datas referred to:  
 Water, pure [100%] ; 4°C; 1kg/dm³; 1,57mm²/s  
 Performance according to ISO 9906 - Annex A

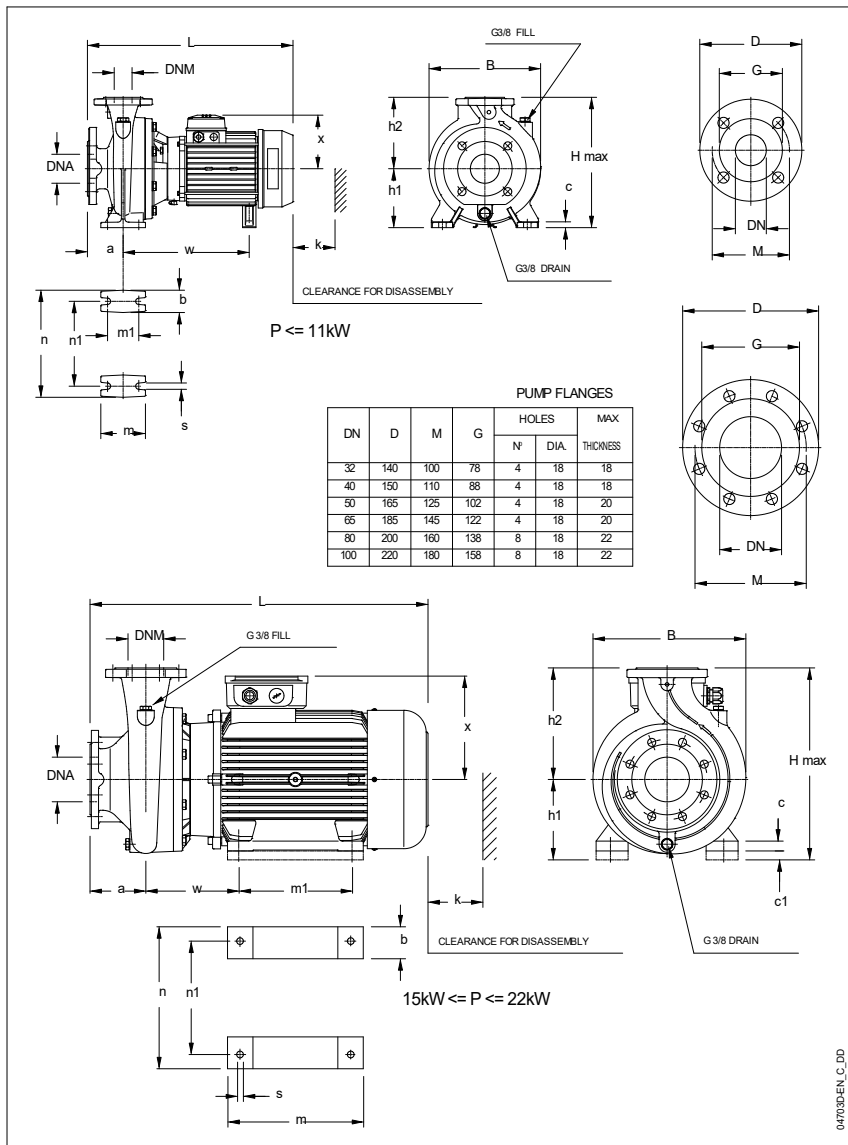


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## Dimensions

	mm			
a	100	Hmax	351	Suction side DN 65 / PN 12
B	285	k	92	
b	50	m	100	Discharge side DN 50 / PN 12
c	12	m1	70	
c1	-	n	265	Weight            On demandkg
DNA	65	n1	212	
DNM	50	s	14	
h1	160			
h2	180			



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