

 Franklin Electric				Technical data				Revision number		Page 1	
				EV30/02-1A FG040 T5 BE1							
				Customer				Supplier			
Company name											
Dept.											
Editor											
Phone number											
Fax no.											
E-mail											
Operating data specification											
	Pumped fluid	Water			Rated flow			m³/h	32		
	Solids	Kind			Nominal head			m	30		
		Percentage of solid content		0	Geodetic head			m	0		
	pH value				Available system NPSH			m			
	Temperature °C			20	Inlet pressure (pin)			kPa			
	Density	kg/m³	998.3		Altitude above sea level			m	100		
	Kin. viscosity	mm²/s	1.005								
	Vapour pressure	kPa	2.34								
Pump											
	Make	FELE			Impeller type		Semi axial impeller				
	Pump type	EV30/02-1A FG040 T5 BE1			Impeller construction		fabricated stainless steel				
	Frame size				Impeller Ø	Max.	mm	0			
	Design	Vertical multistage				designed	mm				
	Impeller configuration	02-1A				Min.	mm	0			
	Speed	1/min	2904		Flow	Nominal	m³/h	33.2			
	Max. operating pressure	kPa	419			Min.	m³/h	25			
	Max. diff. pressure	kPa	419			Max.	m³/h	44			
	Stages		2		Head	Nominal	m	30.1			
	No. of diffusers		1			Max.	m	34.3			
						Min.	m	19			
	Suction port	Pressure rating	PN16		Shut off head		m	42.8			
		Nominal pipe size	DN65								
		Standard	Round Flange		NPSH3		m	0			
	Discharge port	Pressure rating	PN16		Shaft power		kW	3.7			
		Nominal pipe size	DN65		Efficiency		%	71.2			
		Standard	Round Flange								
MATERIALS											
	Pump						Shaft seal: BE1 - BQE				
	10.00 - Pump casing			GJL-250 - A48 Class 35			A - Stationary part	Graphite			
	10.02 - Drain plug			1.4301 - AISI304			B - Rotating part	Silicon carbide			
	10.06 - Upper flange			GJL-250 - A48 Class 35			C - Spring	AISI 316			
	20.00 Outer case			1.4301 - AISI304			D - Elastomers	EPDM			
	20.05 - Filling plug			1.4301 - AISI304							
	30.00 - Pump shaft & Pin			1.4057 - AISI431							
	30.01 - Cartridge mechanical seal										
	30.02 - Mechanical seal fastening kit			1.4301 - AISI304							
	30.03 - Kit O-Rings			EPDM							
	40.00 - Stage housing and diffuser			1.4301 - AISI304							
	40.01 - Stage centering outlet			1.4308 - CF8/AISI304							
	40.02 - Floating neck ring			PTFE							
	40.05 - Inlet spider bearing			1.4301 - AISI304 / Silicon Carbide							
	40.06 - Stage housing and diffuser with bearing			1.4301 - AISI304 / Silicon Carbide							
	40.07 - Flange clamping neck ring			1.4301 - AISI304							
	40.08 - Spring ring			1.4301 - AISI304							
	40.09 - Secondary sleeve with ring			1.4301 - AISI304							
	50.00 - Impeller			1.4301 - AISI304							
	50.05 - Wear ring			1.4301 - AISI304							
	51.01 - Split cone			1.4301 - AISI304							
MOTOR											
	LAFERT 400/690V 4kW										
	Rated power	4	kW	Speed	2900 1/min						
	Electric voltage	3~ 400	V	Electric current	8 A						
	Degree of protection	IP 55		Number of poles	2						
	Motor design	112 MB14									
	Acoustic pressure level	68	dB								
Selection ref			Project		Creation software		Issue date		Last update		
2025-B0C281C4					Spaix® 6-23.3 - 2024/03/06 (Buil		2025-03-25		2025-03-25		



Franklin Electric

Performance curves

EV30/02-1A FG040 T5 BE1

Revision number

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Customer

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Series EV

Impeller type

Semi axial impeller

Impeller construction

fabricated stainless steel

Sense of rotation

Clockwise from the drive end

Frequency

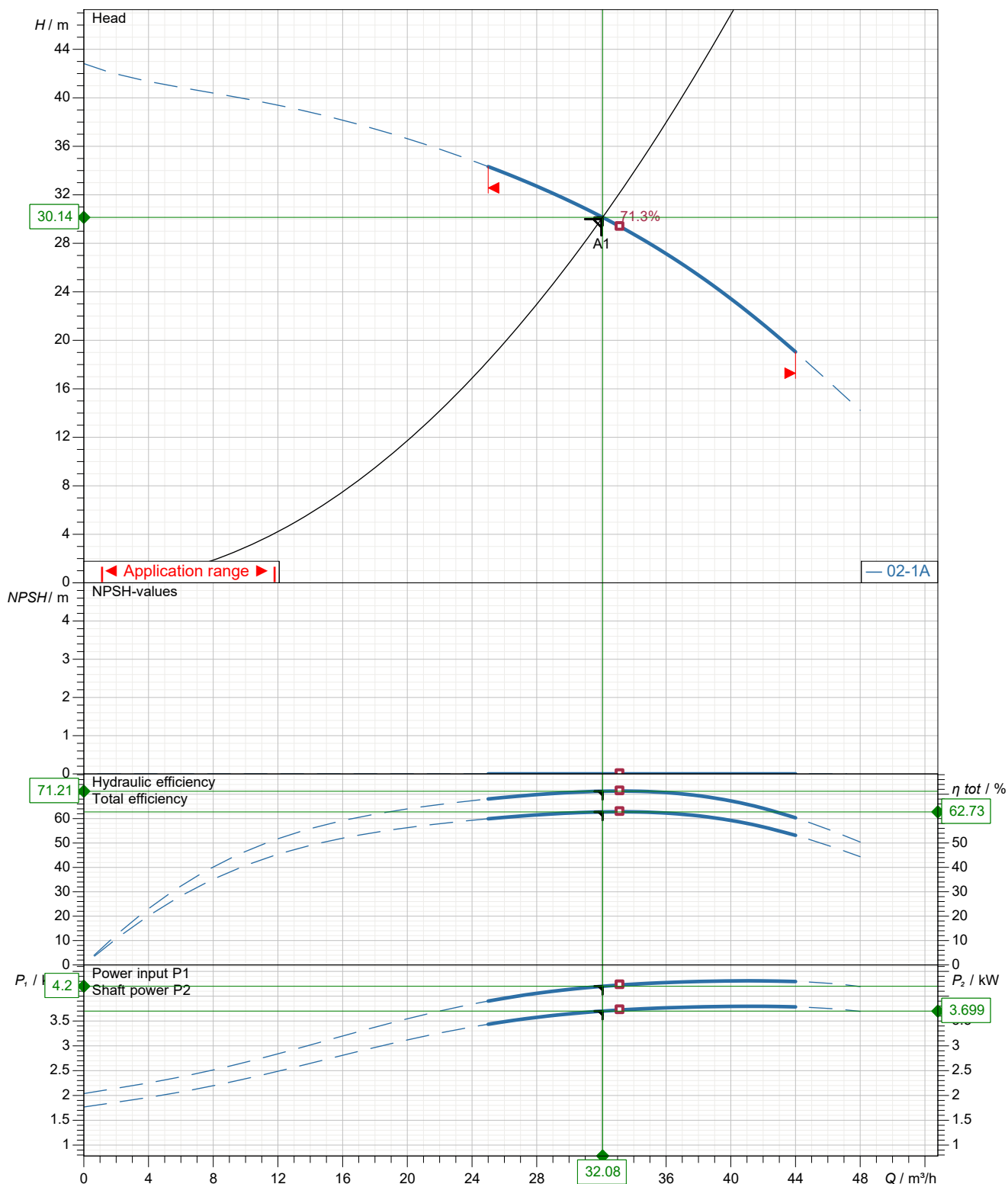
Hz

50 Hz

Speed

1/min

2904



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

Project

Creation software

Spaix® 6-23.3 - 2024/03/06 (Buil

Issue date

2025-03-25

Last update

2025-03-25



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Types of installation
EV30/02-1A FG040 T5 BE1

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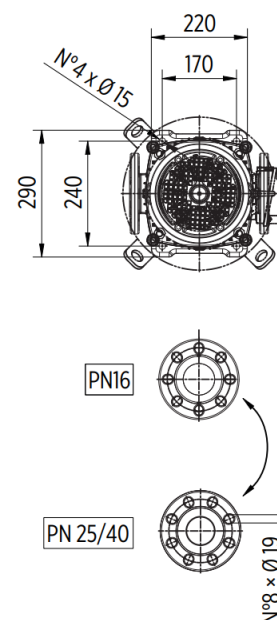
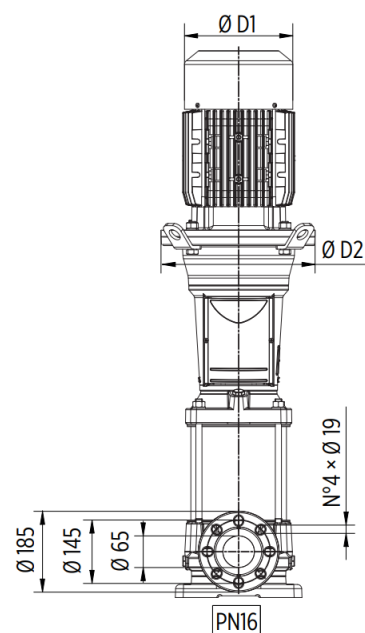
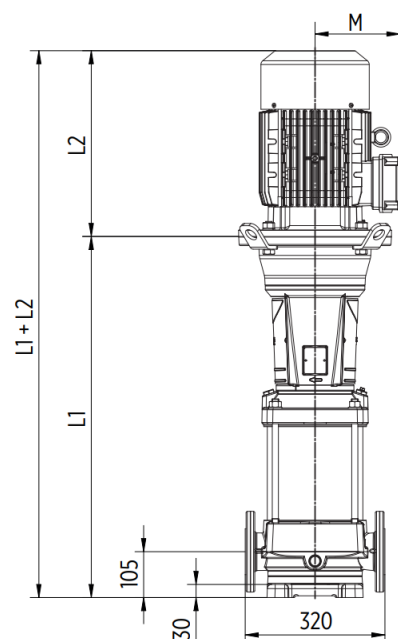
Inlet / outlet

Suction port
DN65
PN16

Discharge port
DN65
PN16

Dimensions [mm]/[kg]

L1	513
L2	306
M	145
D1	196
D2	170
Pump weight	72.8
Motor weight	26.5
Electric pump weight	99.3



not to scale

Project

Creation software
Spaix® 6-23.3 - 2024/03/06 (Buil

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2025-03-25

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