

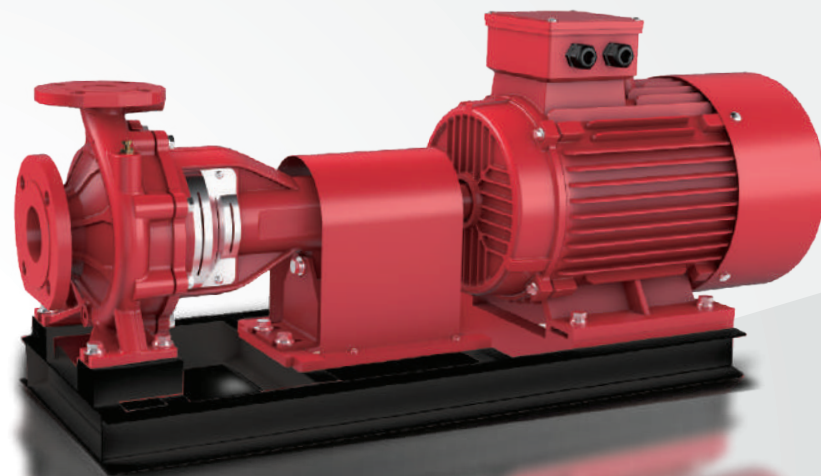
KN 100

END SUCTION CENTRIFUGAL PUMP



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This end suction centrifugal fire pump is designed for reliable and efficient fire protection applications. It features a robust end suction design for stable hydraulic performance and easy maintenance. Driven by a high-efficiency IE3 motor with IP55 protection and Class F insulation, the pump ensures dependable operation under demanding conditions. The pump casing is finished with an anti-corrosive coating for enhanced durability and long service life. High-quality NSK bearings and a wear-resistant mechanical seal further improve performance and reliability, with customizable casting logos available on request.



Technical Specification

PUMP MODEL		JN100-315/1600	
Capacity	280 m³/h		
Head	136 m		
DN	125 * 100 mm		
T max	120°C		
PUMP MATERIAL			
Casing	Grey cast iron		
Impeller	Cast iron		
Shaft	AISI 304		
Shaft seal	wear resistance mechanical seal		
Bearing	grease lubrication rolling bearing		
ELECTRIC MOTOR MODEL			
		JIE3-315L1-2	
RPM	2980		
Power	160kW/220HP		
IP55	CLASS F		
η	75%	95.6	
	50%	93.7	
cosθ	0.91		
A	380V	279	
	400V	265	
	415V	256	
Nm	512.8		
Ts/Tn	1.8	Is/In	7.2
Ts/Tn	2.3	dB(A)	95
Kgs	1067		

Usage Limits

Liquid temperature between -10°C and 120°C

Ambient temperature between -10°C and +50°C

Ambient temperature between -10°C and +50°C

Continuous service S1



Clean Water Supply

Suitable for water circulation, pressure boosting, and general clean water transfer

Civil and Domestic Use

Used in residential buildings, water distribution systems, and irrigation

Industrial Applications

Ideal for process water, cooling systems, and general fluid transfer in industries.

Firefighting Systems

Commonly used in fire hydrant and sprinkler systems due to reliable high-flow performance.

Applications



Fire Protection Systems in Buildings



Industrial & Warehouse Facilities

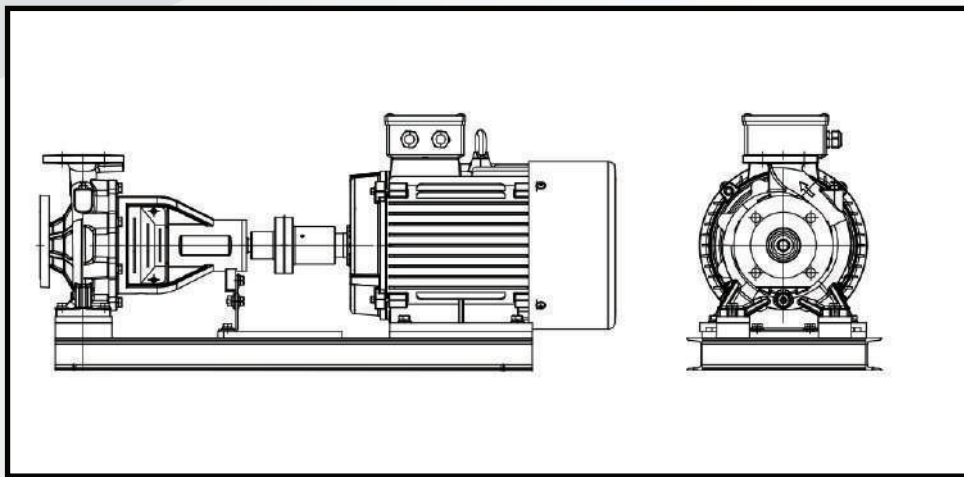


Commercial Complexes & Malls

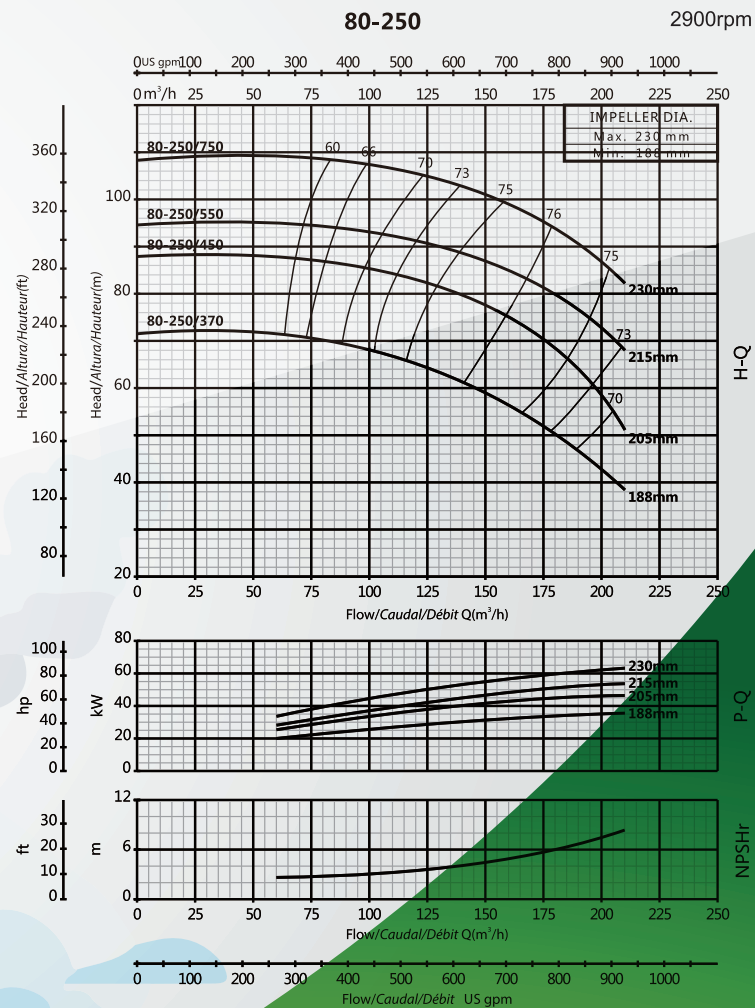


Fuel Stations & Hazardous Areas

Outline Diagram



Performance curve



KØBN
General Electric Solution



KØBN General Electric Solution

Email: info@kobn.co.dk | Website: www.kobn.co.dk | Phone : +4553858123
Address: Rådhusstræde 10, st. 1466 København K

