

Receiver

From

Company name
Respons. Department
Person in charge
Phone number
Fax no
E-mail address

Operating data specification

Nominal flow	US g.p.m.	0
Nominal head	ft	0
Static head	ft	0
NPSH - v value of plant	ft	0
Inlet pressure	psi	1.42
Fluid		Water, pure
Operating temperature t A	°F	68
Density at t A	lb/ft³	62.32
Kin. viscosity at t A	ft²/s	1.082E-5

Pump

Pump name	6IR50-125A		
Size	65/50/125		
Design			
Speed rpm	3600	No of stages	1
Impeller type			
Flow	Nominal	US g.p.m.	
	Max-	US g.p.m.	352
	Min-	US g.p.m.	88.1
Head	Nominal	ft	
	Max-	ft	120
	Min-	ft	72.5
Head H(Q=0)	ft	121	
NPSH 3%	ft		
Max. working pressure	psi	52.5	
Shaft power	hp		
Efficiency	%		
Max absorbed power	hp	9.6352	

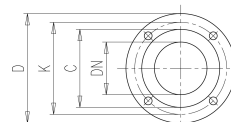
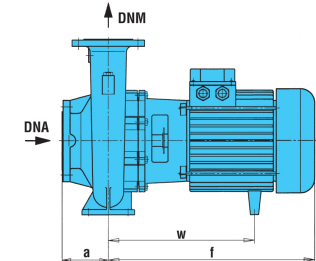
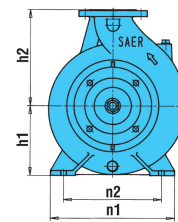
Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)		
Impeller	Cast iron EN-GJL-250		
Pump body	Cast iron EN-GJL-250		
Seal disc	Cast iron EN-GJL-250		
Gasket	Natural fiber		
Mechanical seal	BVEG (Grafito/Ossido Allumina/EPDM)		

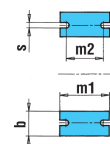
Motor	Frame size	112 M		
Manufacturer / Type	SAER	MEC112M-2P-7.5		
Rated power	hp	10.058	Efficiency 4/4	87 %
Electric current	A	12.4 A	Speed rpm	3600
Electric voltage	V	230V	3~	Hz 60
Starting mode	Unknown			
Degree of protection	IP 55	Insulation class	F	

Dimensions in inch

- a 3¹⁵/₁₆
- b 1¹⁵/₁₆
- DNA 2⁹/₁₆
- DNM 1¹⁵/₁₆
- f 16¹¹/₁₆
- h1 5³/₁₆
- h2 6⁵/₁₆
- m1 3¹⁵/₁₆
- m2 2³/₄
- n1 9⁷/₁₆
- n2 7¹/₂
- s 9⁹/₁₆
- w 11⁷/₈



- C 4 C 4¹³/₁₆
- D 6¹/₂ D 7⁵/₁₆
- DN 1¹⁵/₁₆ DN 2⁹/₁₆
- K 4¹⁵/₁₆ K 5¹¹/₁₆
- n° 3³/₁₆ n° 3³/₁₆
- ø n 3³/₄ ø n 3³/₄



Remarks:

Project	Project ID	Created by	Created on 2022-08-01	Last update
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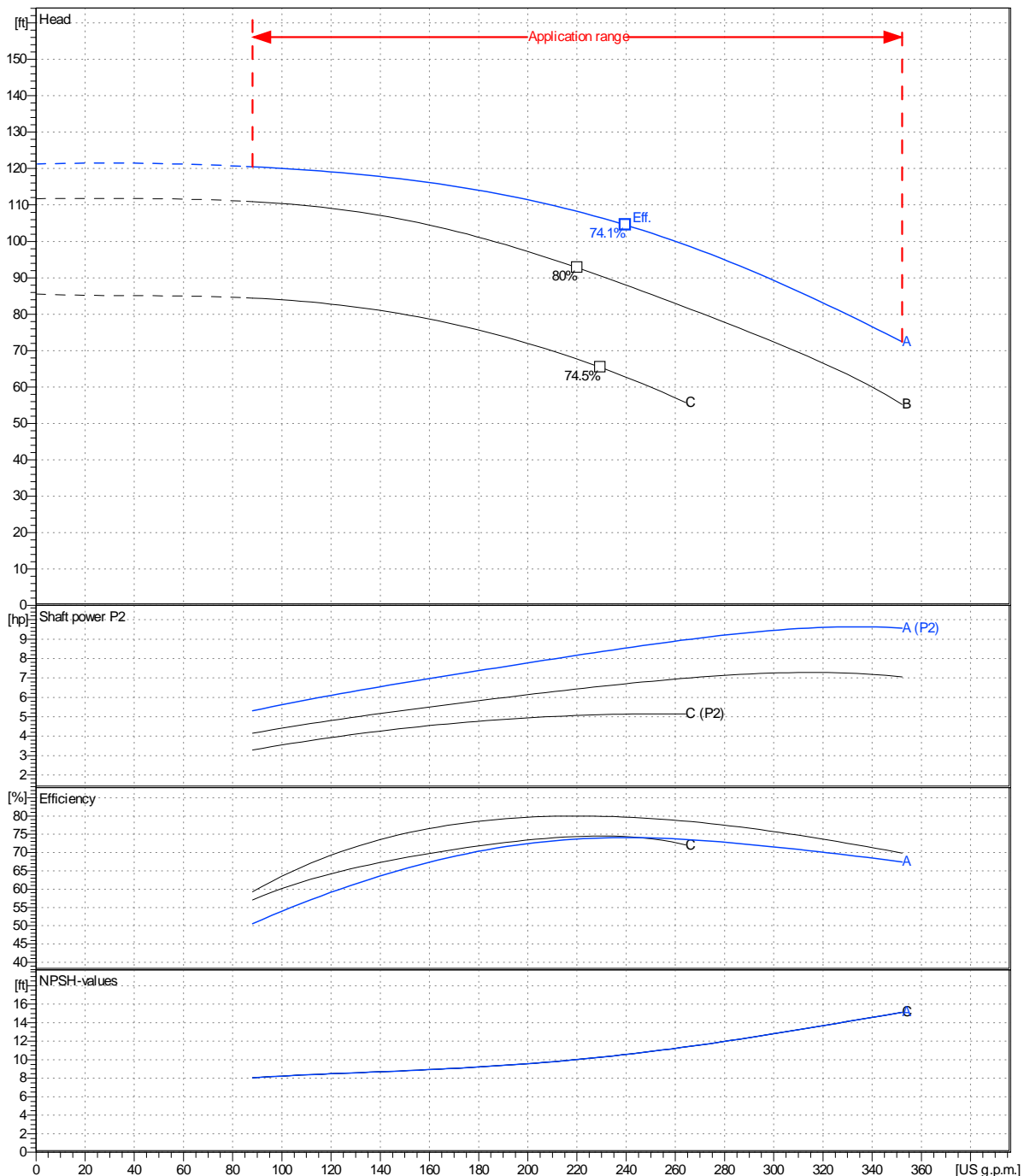
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Operating area	Flow	Head	Impeller type	
Operating data specification	0 US g.p.m.	0 ft	Impeller construction	Closed
Pump data	US g.p.m.	ft	Sense of rotation	Clockwise from the drive end
			Outlet width	DN 50
	Flow	Head	Shaft power P2	Speed rpm 3600
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.	Frequency Hz 60 Hz
	US g.p.m. US g.p.m. US g.p.m.	ft ft	hp hp hp	
	88.1 352 240	121 105	9.64 8.54	

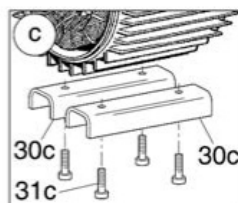
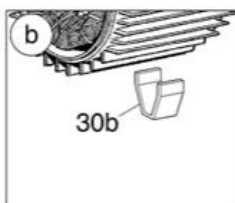
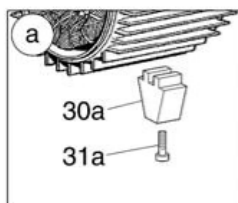
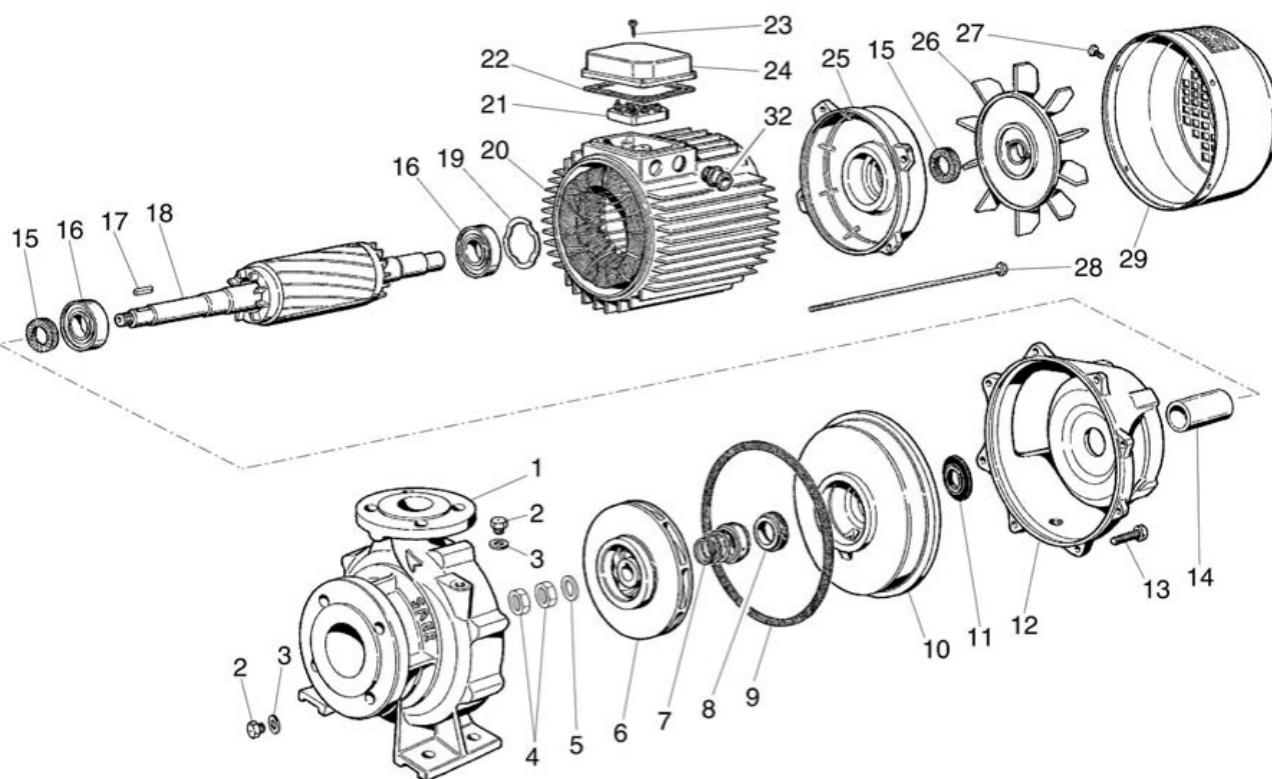
 Performance data based to: Water, pure [100%]; 68°F; 62.3lb/ft³; 1.08E-5ft²/s

UNI EN ISO 9906:2012 - Grade 3B



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