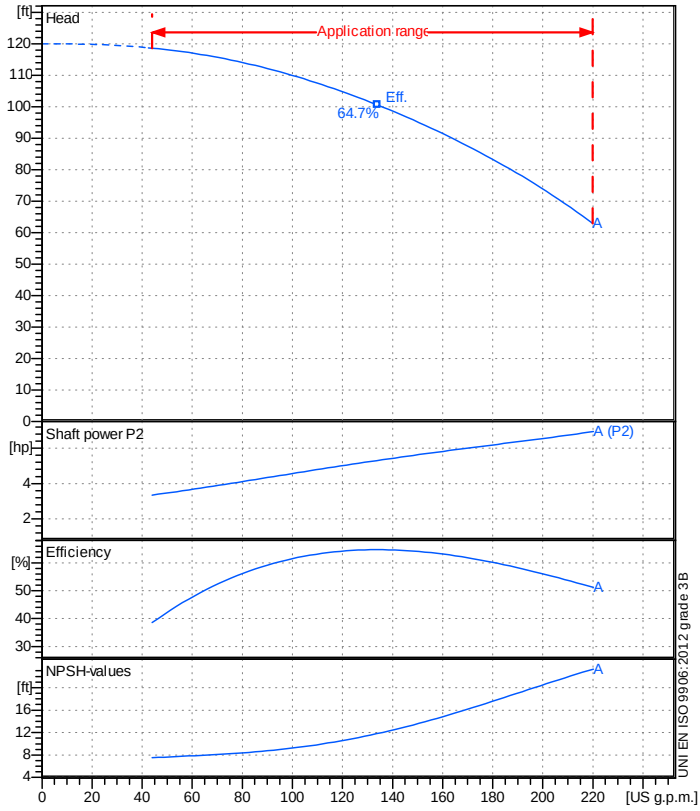
Technical Data
6MG4-4P 40-250NA

Revision no	Page:
	1

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 - 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			6MG4-4P 40-250NA	
Size			65/40/250	
Design				
Speed rpm	1800		No of stages 1	
Impeller type				
Flow	Nominal	US g.p.m.		
	Max-	US g.p.m.		220
	Min-	US g.p.m.		44
Head	Nominal	ft		
	Max-	ft		119
	Min-	ft		63
Head H(Q=0)		ft		120
NPSH 3%		ft		
Max. working pressure		psi		52
Shaft power		hp		
Efficiency		%		
Max absorbed power		hp		6.9395

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 (Grafite/Ossido Allumina/EPDM)

Motor		Frame size	132 S		
Manufacturer / Type		SAER MEC132S-4P-5.5			
Rated power	hp	7.3756	Efficiency 4/4		84 %
Electric current	A	21.6/10.8 A	Speed	rpm	1800
Electric voltage	V	230/460V	3~	Hz	60
Starting mode		Unknown			
Degree of protection		IP 55	Insulation class		F

Remarks:

Project	Project ID	Created by	Created on	Last update
			9/26/2022	

Performance Curves
6MG4-4P 40-250NA

Revision no

Page: 2

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

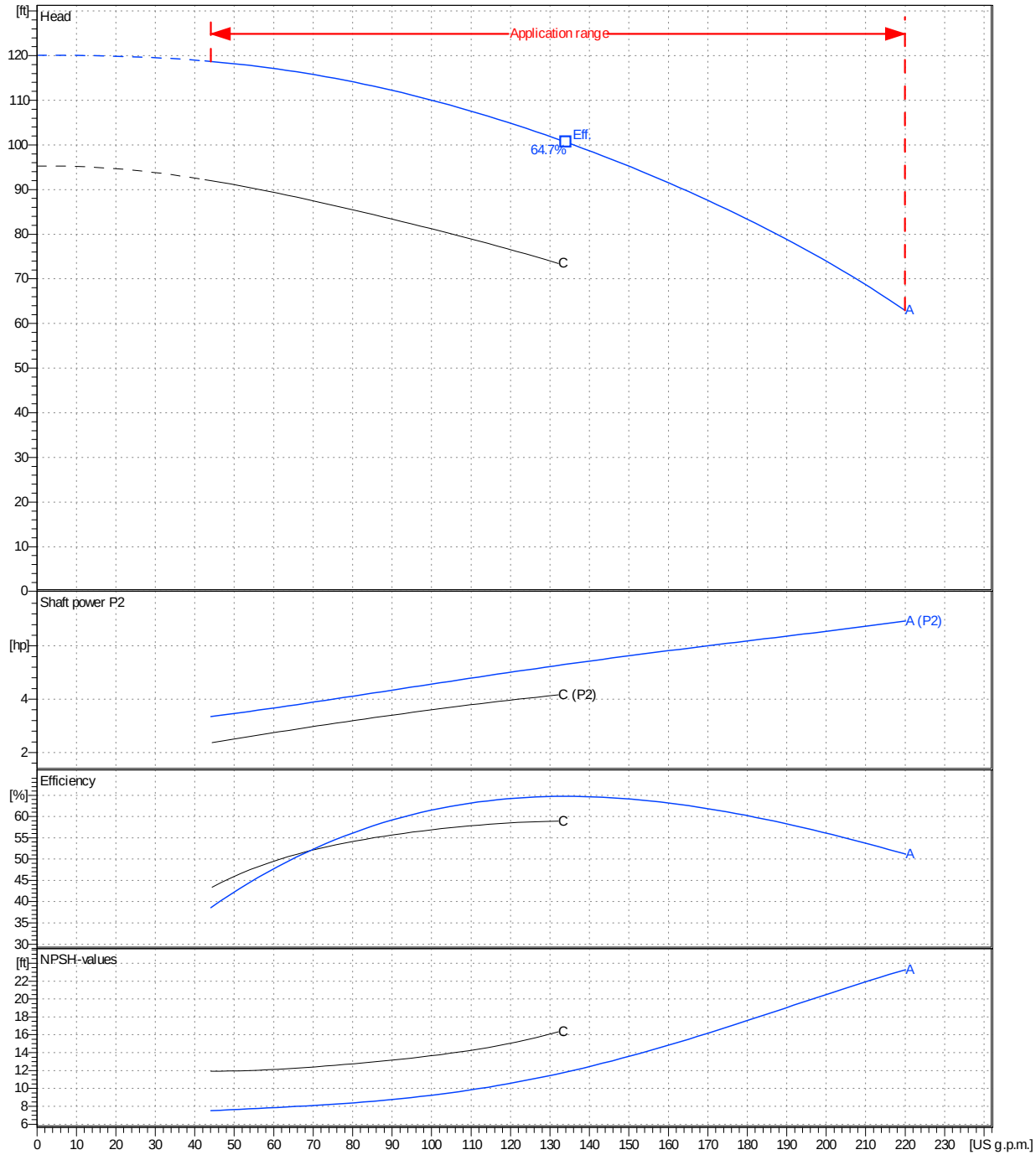
Operating area	Flow			Head				
Operating data specification	0	US g.p.m.		0	ft			
Pump data		US g.p.m.			ft			

	Flow			Head		Shaft power P2		
	Min.	Max.	η Max.	H(Q=0)	η Max.	P2(Q=0)	Max.	η Max.
	US g.p.m	US g.p.m	US g.p.m.	ft	ft	hp	hp	hp
	44	220	134	120	101		6.94	5.31

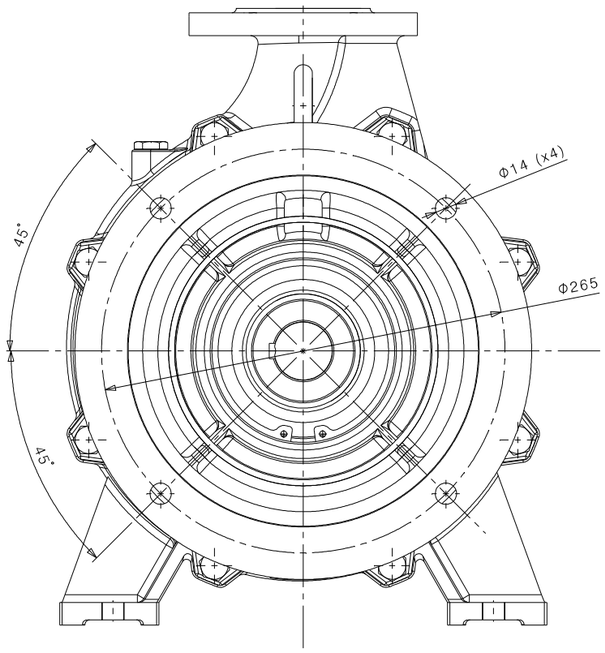
Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN 40
Speed rpm	1800
Frequency Hz	60 Hz

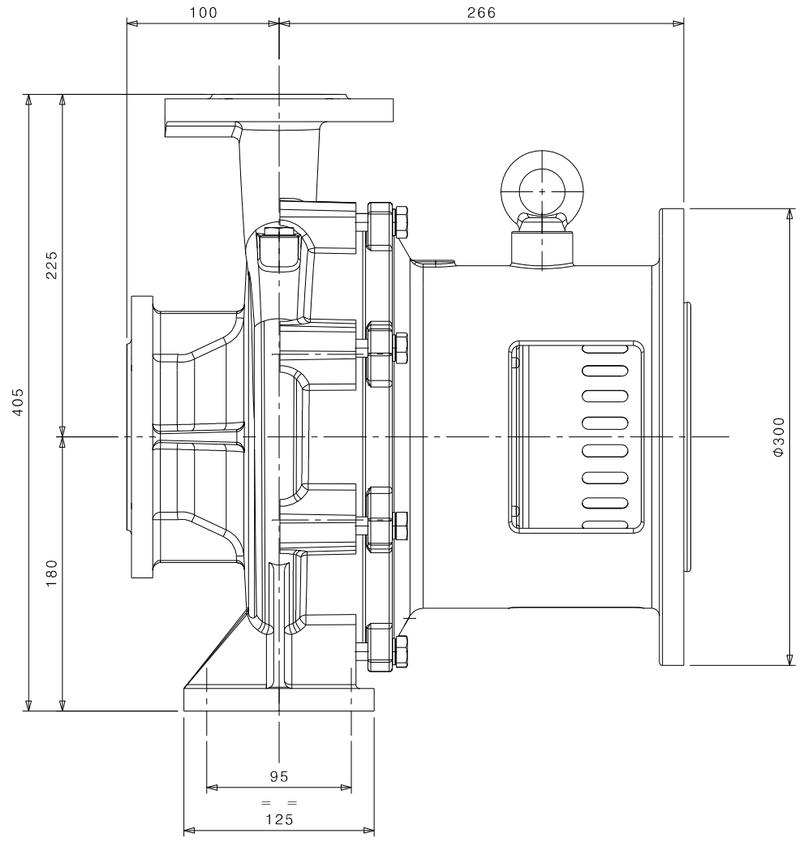
Performance data based to: Water, pure [100%] ; 68°F; 62.3lb/ft³; 1.08E-5ft²/s

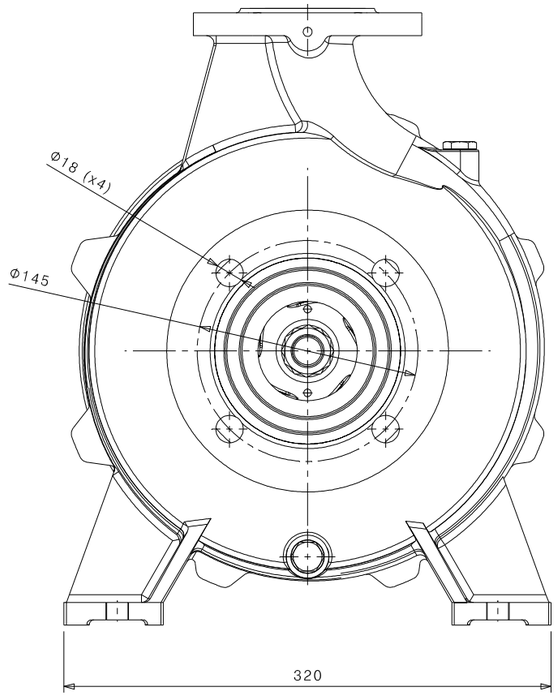
UNI EN ISO 9906:2012 - Grade 3B

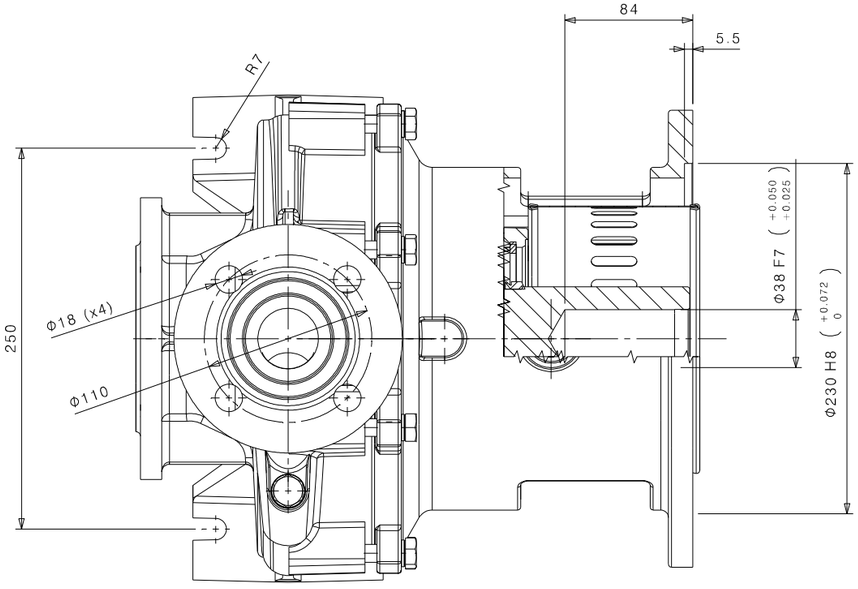


Project	Project ID	Created by	Created on	Last update
			9/26/2022	









MATERIALE			TRATTAMENTO TERMICO		
DISEGNATO: DG	DATA: 23-05-2018	QUOTE SENZA TOLLERANZA: Secondo ISO 2768-m	RAGGI NON QUOTATI / SMUSSI NON QUOTATI	SCALA: 1:2	
APPROVATO	DATA				
SAER ELETTROPOMPE GUASTALLA (RE) ITALY	DESCRIZIONE: COMPLESSIVO MG1 40-250 PER MOTORE MEC 132			PESO GREZZO	PESO FINITO
				GRUPPO: MG1 40-250	
	CODICE	GREZZO		DISEGNO: P2027A001	VERSIONE: 00