

P3-A Standards

Pump, Motor, and Seal Datasheets



P3-A Standards – Pump, Motor, and Seal Datasheets

The following two slides contain the P3-A standardized datasheets for centrifugal pumps; including datasheets for the pump bases, motors and seals.

You will note that the requested information in the boxes containing asterisks are to be completed by the vendor.

P3-A Standards – Pump and Seal Datasheets

Pump and Motor Datasheet

P3-A Centrifugal Pump Data Sheet

*SERIAL NUMBER:										
1	GENERAL INFORMATION					MATERIALS				
2	SERVICE:					CASING:				
3						IMPELLER:				
4	DUTY:		CONTINUOUS		INTERMITTENT	SHAFT:		SHAFT SLEEVE:		
5	(PLEASE CIRCLE ONE)					MOUNTING BASE (MATERIALS):				
6						PRODUCT CONTACT SURFACE FINISH (R/ μin Ra (1.6 μm Ra)				
7	PROCESS INFORMATION					GASKETS:				
8	LIQUID:					O-RINGS:				
9	BOILING		TOXIC		FOAMING	FLAMMABLE		CONSTRUCTION		
10	DESIGN FLOW:	MIN	NORMAL	MAX	GPM	SIZE	RATING	(CIRCLE)		
11	PUMPING TEMP. RANGE (PROCESS):					*F	*SUCTION CONNECTION		RF	FF
12	SP. GR. @ PUMPING TEMP.:						*DISCHARGE CONNECTION		RF	FF
13	VISC. @ PUMPING TEMP.:					CPS	DRAIN CONN.: (1/2" STANDARD)			
14	VAPOR PRESS. @ PUMPING TEMP.:					(PSIA)(mmHg)				
15	CORROSIVE MAT'L:					pH VALUE:	*CASING DESIGN PRESSURE:		PSIG @	*F
16	SOLIDS (MAX. DIAM.):					% BY WEIGHT:				
17	CIP/SIP: (PLEASE CIRCLE ONE)					*IMPELLER SIZE:		MAX:		
18	ABRASIVE		NON-ABRASIVE							
19	(PLEASE CIRCLE ONE)					MATERIAL CERTS REQUIRED:		YES	NO	
20	HYDRAULIC INFORMATION				FT. LIQ.	MATERIALS CERTIFICATES OF CONFORMANCE: YES NO				
21	SUCTION PRESS. ABOVE LIQ. (ABS)(+)									
22	STATIC SUCTION LIFT (-) HEAD (+)					COOLING/HEATING/PIPING PLAN:				
23	SUCTION FRICTION (-)									
24	TOTAL SUCTION HEAD (21+22+23)					BEARINGS: TYPE		G.F.L.	GREASE: (ZERK)	OIL FLOOD
25	STATIC DISCHARGE HEAD (+)					*BEARING MFG I.D. NO:		THRUST	RADIAL	
26	DISCHARGE FRICTION HEAD (+)									
27	DISCHARGE PRESS. ABOVE LIQ. (ABS)(+)					BASEPLATE:		MFG STANDARD	OTHER	
28	TOTAL DISCHARGE HEAD (25+26+27)									
29	TOTAL DYNAMIC HEAD (28-24)					*WEIGHT: PUMP		BASE	MOTOR	
30	NPSH AVAILABLE					DRIVE				
31	*NPSH REQ'D NORMAL		MAX			FURNISHED BY:		VENDOR	OTHER	
32	*SEAL CHAMBER PRESSURE					TYPE:				
33	PUMP					MANUFACTURER:				
34	*MANUFACTURER:					ENCLOSURE:		INSUL:		
35	*MODEL:		CURVE RPM:			HP:	RPM:	FRAME:		
36	*BHP @ SERVICE CONDITIONS:					VOLTS:		PHASE:		CYCLE:
37	*BHP @ MAX FLOW FOR IMPELLER (N.O.L.):					*BEARING MFG I.D. NO:		FRONT	REAR	
38						LUBRICATION:				
39	*PERF. CURVE:		PSIG			COUPLING TYPE:		OSHA GUARD:		
40	*SERIAL NO.:					COUPLING MFG:		MODEL:		
41	*NOTES:									
42										

* VENDOR TO SUPPLY INFORMATION WITH QUOTATION

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Seal Datasheet

P3-A Pump Seals Data Sheet

SEALS		REV.
DATA SHEET		DATE
COMPANY _____		SHEET _____ OF _____
LOCATION _____	PROJ. NO. _____	SPEC. NO. _____
CHECKED BY _____	DATE _____	P.O. NO. _____
COMPUTED BY _____	DATE _____	EQUIPMENT NO. _____
		TOTAL NO. REQ'D. _____
1	GENERAL INFORMATION	
2	SEAL TYPE: SINGLE	DUAL UNPRESSURIZED DUAL PRESSURIZED COMPONENT/CARTRIDGE
3	SEAL MFG: _____	
4	*SEAL MODEL: _____	
5	*SEAL CODE: _____	
6	PIPING PLAN: _____	
7	SHAFT DIAMETER (IN): _____	
8	BARRIER FLUID CONNECTIONS:	THREADED FLANGE SANITARY CLAMP
9	PRODUCT CONNECTIONS:	THREADED FLANGE SANITARY CLAMP NONE
10	PRODUCT CONTACTING MATERIALS	
11	SEAL FACES:	/ ROTATING/STATIONARY.
12	SEAL HARDWARE: _____	
13	SEC. SEALS: _____	
14	SPRINGS: _____	
15	_____	
16	MATERIAL CERTS REQUIRED:	YES NO
17	_____	
18	MATERIALS CERTIFICATES OF CONFORMANCE:	YES NO

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