



NIKKISO NON-SEAL PUMP DATA SHEET

(CENTRIFUGAL CANNED MOTOR PUMP) HNAAG-B3CHT-02D1XX

-ACCCE5H1KG

PURCHASER
OWNER
SITE
UNIT
SERVICE
ITEM NO. **HNAAG-B3**
NO. OF PUMP REQ **1** DRIVER **CANNED MOTOR**
PUMP MFR. **NIKKISO CO., LTD.** MODEL NO. **HNAAG-B3**

DOC NO. **KU82E91211-DS** REV. **0**
PURCHASER JOB NO.
ORDER NO.
NIKKISO MASTER NO. **EKU82E9121**
MADE BY **YOSHIMURA** 2023-03
APPROVED BY **KITAJIMA** 2023-03
LNA JOB NO. **69346**
SERIAL NO. **EK82E91211-1**

OPERATING CONDITION				PERFORMANCE	
LIQUID PROCESS		CAP. @PT(USgpm) NOR		SPEED (min ⁻¹)	3400
		RATED		NPSHR (WATER) (ft)	10.76
PUMPING TEMP. (°F)	68	DISCH. PRESS (psig)	58.5	MIN. CONTINUOUS FLOW (gpm)	11.36
SP. GR. @PT	1	SUCT. PRESS (psig) MAX		ROTATION (VIEWED FROM MOTOR)	CW
VAP. PRESS @PT(PSIA)	0.01	NOR	0	PUMP EFF (%)	61.5
VIS @PT (cP)	1	DIFF. PRESS (psig)	58.5	RATED BHP (HP)	6.08
SP. HEAT (BTU/lb-F)	1	DIFF. HEAD (ft)	135	MAX. BHP (HP)	7
MELTING TEMP. (°F)		NPSHA (ft)	25	MAX. HEAD (FT)	169.3
CORR/EROS. CAUSED BY		HYD. hp (HP)	3.74	WITH RATED IMP.	

CONSTRUCTION				AUXILIARY PIPING	
CASING MOUNT	FOOT	CASING SPLIT	RADIAL	C. W. REQ (gpm)	MAX 95 (°F)
TYPE	SINGLE VOLUTE			REV. CIRCULATION (gpm)	-
MAX. ALLOWABLE PRESS. (psig)	275	@ (°F)	68	LOSS IN REV. CIRC. LINE (ft)	-
HYDROSTATIC TEST PRESS. (psig)	413			EXT. FLUSH FLUID	-
IMPELLER DIA. (in.) RATED	6.30	MAX	6.30	(gpm)	-
		MIN	4.72	(psig)	-
MOUNT	OVERHUNG	IMPELLER TYPE	CLOSED		
BEARING TYPE	RADIAL SLEEVE	THRUST	PLAIN		
LUBRICATION	SELF (PUMPING LIQUID)				
NO. OF STAGES	1				

MATERIALS					
CASING	SCS14A				
IMPELLER	SCS14A				
SHAFT	SUS316				
STATOR LINER (CAN)	HC-N				
ROTOR SLEEVE (CAN)	HC-N				
BEARING	CG2				
SHAFT SLEEVE	SUS316/HCR				
THRUST WASHER	SUS316/HCR				
PUMP GASKET	PTFE-CE				
MOTOR GASKET	PTFE				
STATOR BANDS	SS400 (C. ST.)				

MOTOR DRIVER				INSPECTION & TESTS		
KW / HP	9.7 / 13	SYNCHRONOUS SPEED (min ⁻¹)	3600	TEST	REQ	WIT
VOLT / PHASE / HERTZ	460 / 3 / 60			PERFORMANCE	YES	NO
FULL LOAD AMPS	18.1	LOCKED ROTOR AMPS	84	HYDROSTATIC	YES	NO
MANUFACTURER	NIKKISO	TYPE	SQUIRREL CAGE INDUCTION MOTOR			
INSULATION CLASS	C					
ENCL IP55	EX-PROOF	TE				
CONDUIT TAP	FOR MOTOR LEAD	NPT 1				
	FOR THERMOSTAT	NPT 3/4				

REMARKS		MATERIAL CODE (ASTM EQUIVALENT)	
THERMOSTATS ARE NORMALLY CLOSE		FCD450	DUCTILE IRON (A536 65-45-12)
		SCW480	CAST STEEL (A216 WCB)
		S25C	STEEL (A108 1025)
		SCS13A	304 SS CASTING (A351 CF8)
		SCS14A	316 SS CASTING (A351 CF8M)
		SUS304	304 SS (A276 304)
		SUS316	316 SS (A276 316)
		HC	HASTELLOY C-276 (B575) EQUIV.
		CG X	CARBON GRAPHITE NO. X (---)
		V6501	NON-ASBESTOS SHEET (---)
		PTFE	POLYTETRAFLUORO ETHYLENE (---)
		HCR	HARD CHROMIUM PLATING (---)
		GRA	GRAPHITE SHEET (---)

PAINTING MUNSELL 10GY5.3/3