



NIKKISO NON-SEAL PUMP DATA SHEET

(CENTRIFUGAL CANNED MOTOR PUMP) HNAB6-C3CHT-02D1XX
-ACCCE5H1KG

PURCHASER

OWNER

SITE

UNIT

SERVICE

ITEM NO. HNAB6-C3

NO. OF PUMP REQ 1

PUMP MFR. NIKKISO CO., LTD.

DRIVER

CANNED MOTOR

MODEL NO. HNAB6-C3

DOC NO. KU82E9122J-DS REV. 0

PURCHASER JOB NO.

ORDER NO.

NIKKISO MASTER NO. EKU82E9122

MADE BY YOSHIMURA 2022-12

APPROVED BY KITAJIMA 2022-12

LNA JOB NO. 69346

SERIAL NO. EK82E9122J-1

OPERATING CONDITION

LIQUID PROCESS CAP. @PT(USgpm) NOR
PUMPING TEMP. (°F) 68 DISCH. PRESS (psig) 65.0
SP. GR. @PT 1 SUCT. PRESS (psig) MAX
VAP. PRESS @PT(psia) 0.01 NOR 0
VIS @PT (cP) 1 DIFF. PRESS (psig) 65.0
SP. HEAT (BTU/lb-F) 1 DIFF. HEAD (ft) 150
MELTING TEMP. (°F) NPSHA (ft) 25
CORR/EROS. CAUSED BY HYD. hp (HP) 7.94

PERFORMANCE

SPEED (min⁻¹) 3400
NPSHR (WATER) (ft) 13.52
MIN. CONTINUOUS FLOW (gpm) 21.93
ROTATION (VIEWED FROM MOTOR) CW
PUMP EFF (%) 60.3
RATED BHP (HP) 13.15
MAX. BHP (HP) 14.37
MAX. HEAD (FT) 177.4
WITH RATED IMP.

CONSTRUCTION

CASING MOUNT FOOT CASING SPLIT RADIAL
TYPE SINGLE VOLUTE
MAX. ALLOWABLE PRESS. (psig) 275 @ (°F) 68
HYDROSTATIC TEST PRESS. (psig) 413
IMPELLER DIA. (in.) RATED 6.54 MAX 6.54 MIN 4.88
MOUNT OVERHUNG IMPELLER TYPE CLOSED
BEARING TYPE RADIAL SLEEVE THRUST PLAIN
LUBRICATION SELF (PUMPING LIQUID)
NO. OF STAGES 1
COUPLING NOT REQ'D PACKING NOT REQ'D
MECHANICAL SEAL NOT REQ'D BASE COMMON

AUXILIARY PIPING

C. W. REQ (gpm) MAX 95 (°F)
REV. CIRCULATION (gpm) -
LOSS IN REV. CIRC. LINE (ft) -
EXT. FLUSH FLUID (gpm) -
(psig) -

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-GL
MOTOR GASKET PTFE
STATOR BAND SS400 (C. ST.)

NOZZLES OR PORTS	SIZE	RATING	FACING	LOCATION
SUCTION	3	ANSI 150	RF	END
DISCHARGE	1-1/2	ANSI 150	RF	TOP
CASING DRAIN	NPT 1/2		W/PLUG	

BEARING MONITOR E MONITOR FOR LOCAL INDICATION

MOTOR DRIVER

KW / HP 20.5 / 27.49 SYNCHRONOUS SPEED (min⁻¹) 3600
VOLT / PHASE / HERTZ 460 / 3 / 60
FULL LOAD AMPS 35.3 LOCKED ROTOR AMPS 168
MANUFACTURER NIKKISO TYPE SQUIRREL CAGE INDUCTION MOTOR
INSULATION CLASS C
ENCL IP55 EX-PROOF TE
CONDUIT TAP FOR MOTOR LEAD NPT 2
FOR THERMOSTAT NPT 3/4

INSPECTION & TESTS

TEST	REQ	WIT
PERFORMANCE	YES	NO
HYDROSTATIC	YES	NO
WEIGHT (lb)	377	
(PUMP & MOTOR)		

REMARKS

THERMOSTATS ARE NORMALLY CLOSE

PAINTING MUNSELL 10GY5.3/3

MATERIAL CODE (ASTM EQUIVALENT)
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 CF80)
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 (--)