

OCT 15

Supersedes all previous issues

"H" PREFIX INDICATES HIGH PRESSURE CASING

PUMP	SIZE	16X10X22F	H16X10X22F
	TYPE	8150	8150
STAGES		1	1

**CASING DESIGN**

FLANGE RATING	SUCTION	125	125 OR 250
	DISCHARGE	125	250
CASING MATERIAL		DUCTILE IRON ASTM A536 GR 65-45-12	DUCTILE IRON ASTM A536 GR 65-45-12
MAX DISCHARGE PRESSURE (PSIG)		250	325
MAX SUCTION PRESSURE (PSIG)		100	200
MAX HYDROSTATIC PRESSURE (PSIG)		375	488
CASING WALL THICKNESS		0.72	0.72

**STUFFING BOX DESIGN**

BORE	5.25	5.25
DEPTH	4.0	4.0
PACKING: # RINGS / SIZE SQUARE	5 / .62	5 / .62
SEAL CAGE WIDTH	0.62	0.62
SHAFT SLEEVE O.D.	4.0	4.0

**IMPELLER DESIGN**

# OF VANES	4	4
INLET AREA (IN <sup>2</sup> )	78.5	78.5
MAX DIAMETER	22.25	22.25
MIN DIAMETER	16.17	16.17
MAX SPHERE	1.05	1.05
WR <sup>2</sup> FOR MAX DIA (LBS-FT <sup>2</sup> )	74	74
WEAR RING CLEARANCE - DIAMETRICAL	.019-.023	.019-.023

**SHAFT AND BEARING DATA**

DIA THRU IMPELLER		3.625	3.625
DIA THRU SLEEVE		3.50	3.50
DIA AT COUPLING		3.125	3.125
SHAFT SPAN - BRG TO BRG		44.67	44.67
BALL BEARING	INBOARD BRG #	6316	6316
	DIA THRU BRG	3.150	3.150
	OUTBOARD BRG #	6316	6316
	DIA THRU BRG	3.150	3.150
FRAME NUMBER		-	-
INSTRUCTION BOOK		AC6102	AC6102