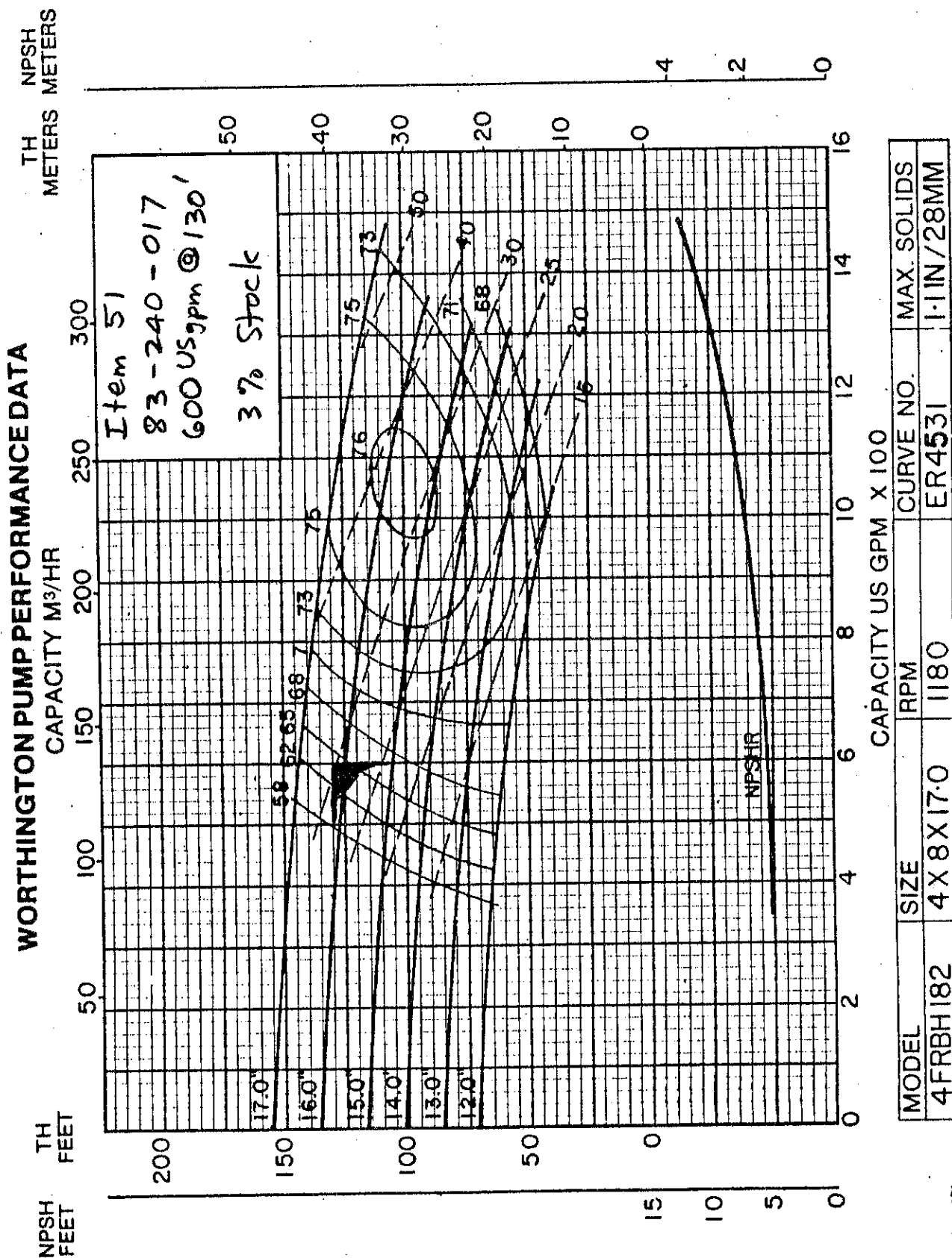
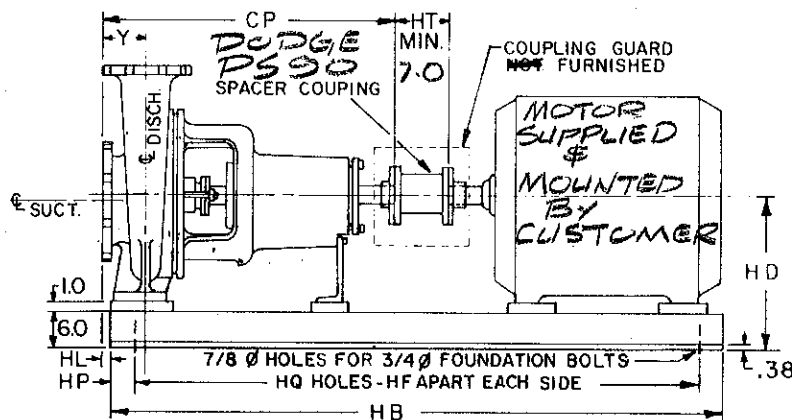
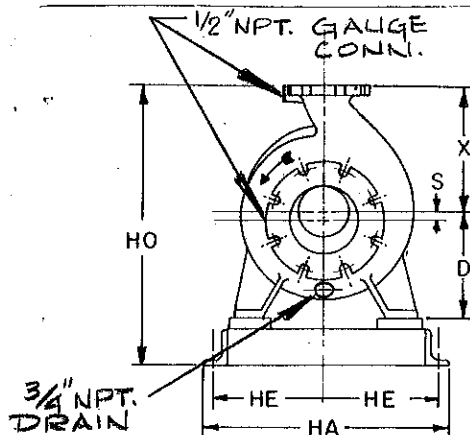


WORTHINGTON Pumps Inc.				SALES OFFICE:		DATE: 4/23/82	
PUMP DATA SHEET				SALES OFFICE NO./ENQ. NO.		WRITTEN BY: LBR	
CUSTOMER: GLFP				C.S.O. NUMBER		PAGE NO. 10 OF 10	
CUSTOMER ORDER NO.				ITEM NO.		ADDIT. NO. 4	
CUSTOMER TAG NO. 183-240-017				CONTRACT TO SPEC. ☒ YES ☐ NO		PENALTY CONTRACT ☐ YES ☒ NO	
PUMP SIZE				SPEC. NO. FP-52		*GUARANTEED EFFICIENCY ☐ YES ☒ NO	
QUANTITY	PUMP SIZE	RATING CURVE	PUMP SPEED	IMP. DIA.	IMPELLER TYPE		
1	AFRPH-142		1180		Semi-open		
CONDITIONS OF SERVICE					MATERIALS OF CONSTRUCTION		
SERVICE: TRIM PULPER PUMP TO BROCK STORAGE					☐ STANDARD ☐ ALL IRON ☐ C15SF		
LIQUID: STOCK (3% BD.) S.G. SLURRY					☒ BALL 316 ☐ WORTHITE ☐ HS 300		
TEMP. 110 CONG. BY WT. 2					☐ 317L S.S. ☐ 317 S.S.		
S.G. AT P.T. 1.0 CONG. BY VOL. 2					☐ NI-HARD 1 ☐ NI-HARD 4 ☐ 282 C.I.		
PH PART. SIZE					☐ 15/3 ALLOY ☐ NAT. RUBBER ☐ NEOPRENE		
VISCOSITY: AIR 2					☐ NITRILE ☐ HYPALON		
PUMPS - IN SERIES/IN PARALLEL					☐ OTHER(SPECIFY)		
CAPACITY USGPM					LIST x		
TOM FT./M					BASEPLATE (FABRICATED)		
RPM					TYPE: #3. open NO.		
EFFICIENCY %					☐ OHMB ☐ CHANNEL STEEL		
BHP/KW					☐ SUB. (PUMP) ☐ PUMP & DRIVER		
NPSHA/NPSHR FT./M					☐ DRAIN PAN ☐ DRAIN RIM		
SUCT. HD./SUCT. LIFT FT./M					LIST x		
SUCT. PRESS: PSIG/KPA					SPECIALS (SPECIFY) MULT.		
DISCH. PRESS: PSIG/KPA					RAISE BLOCKS x		
☐ STD. PACKING ☐ OIL ☒ GREASE OTHER(SPECIFY)					☒ BASEPLATE MACH. ☐ BASEPLATE UNMACH. MULT.		
FLANGE DRILLING:					ACID KIT ☐ YES ☒ LIST ☐ NO		
☒ STD. ☒ ASA ☐ B5T ☐ DIN					ACID KIT OPTIONS:		
OTHER(SPECIFY) RATING					☐ SHAFT ☐ SLEEVE ☐ GLAND		
DRIVER DATA					☐ PACKING ☐ SEAL CAGE		
☒ MOTOR ☐ TURBINE ☐ ENGINE					TOTAL LIST x		
HP/RPM 40/1200 FRAME 364T ☐ ALUM. ☐ C.I. ☐ EBCL.					COUPLING GUARD ☒ YES ☐ MVD GUARD ☐ YES		
FUTURE FRAME 365T VOLTS S.F.					LIST x		
L BRGS. ☐ SLEEVE BRGS. ☐ YES ☐ NO					MVD ☐ STD. ☐ LIST x		
QUOTE NO. TO SPECIFICATION					COUPLING TYPE:		
FURN. ☒ CUST. ☐ MTD. ☒ CUST. ☐ WCL ☐ BY ☐ WCL					☐ FALK ☐ KOPPERS ☒ DODGE		
IF FURNISHED BY CUSTOMER FRAME SIZE AND DRG. REQ'D. TO SUBMIT ELEVATION DRG.					LIST x		
DISCHARGE NOZZLE POSITION NO. (R & M PUMPS ONLY)					MECHANICAL SEAL:		
CUSTOMER DATA REQUIREMENTS					MAKE _____ GLAND TYPE _____		
DRG. APPROVAL REQ'D. ☐ YES ☒ NO					TYPE _____ GLAND MAT'L. _____		
DRGS. _____ REPRO. _____ COPIES					CODE _____ MULT. _____		
CURVES _____ REPRO. _____ COPIES					MATERIAL _____ ARR'G'T. _____		
SEND TO: ☐ SOLD TO ADDRESS					VERTICAL SHAFT GUARD		
ATTN: _____					GEAR BOX MAKE: _____ MULT. _____		
OTHER(SPECIFY) _____					TYPE _____		
SUBMIT BY (DATE) _____					MODEL _____ x		
TESTING REQUIREMENTS					FLUID COUPLING MULT. _____		
WITNESS NON-WITNESS NONE					MAKE _____		
PERFORMANCE ☐ ☐ ☐					TYPE _____ x		
HYDRO ☐ ☐ ☐					DRIVER MULT. _____		
NPSH ☐ ☐ ☐					COUPLING (SPECIAL) MULT. _____		
VIBRATION ☐ ☐ ☐					SPECIFY _____		
NOISE ☐ ☐ ☐					OTHER OPTIONS & ACCESSORIES.		
CUSTOMER SURFACE INSPECTION ☐ YES ☐ NO					SPECIAL PAINT		
OTHER(SPECIFY) _____					SAND BLAST BASE		
SHIPMENT:					S.S. TAGS		
TOTAL EACH 5					GAUGE CONNECTIONS		
WKS. AFTER FULL MANUF. INFORMATION REC'D.					183817		
WKS. AFTER FINAL APPROVAL					TOTAL NET EACH		
					GRAND TOTAL		





PUMP DIMENSIONS											HT MIN.
PUMP	SUCT.	DISCH.	CP	D	HD	HL	HO	S	X	Y	
2 FRBH 121	3	2	26.1	8.25	15.25	1.0	26.50	0	11.25	4.0	
3 FRBH 121	4	3	26.9	8.25	15.25	1.5	26.50	0	11.25	4.5	
3 FRBH 101	6	3	27.7	8.25	15.25	2.0	26.50	.58	11.25	5.0	
4 FRBH 111	6	4	28.0	9.50	16.50	2.0	30.00	.10	13.50	5.0	
6 FRBH 111	8	6	28.6	10.50	17.50	2.0	33.25	.50	15.75	5.0	
3 FRBH 141	6	3	27.4	10.00	17.00	2.0	31.00	.25	14.00	5.0	
4 FRBH 141	6	4	28.0	10.70	17.70	2.0	32.70	0	15.00	5.0	
6 FRBH 142	8	6	36.0	12.25	19.25	1.5	37.25	.15	18.00	5.0	
8 FRBH 152	10	8	37.5	14.50	21.50	2.0	42.50	.40	21.00	5.5	
4 FRBH 182	8	4	37.7	12.50	19.50	3.5	35.50	0	16.00	7.0	
8 FRBH 182	10	8	37.9	15.00	22.00	2.0	44.00	.16	22.00	5.5	
10 FRBH 182	12	10	39.0	18.00	25.00	0.4	50.00	.50	25.00	5.5	
6 FRBH 183	10	6	44.3	14.50	21.50	2.6	41.50	0	20.00	7.0	
14 FRBH 183	14	14	48.1	20.00	27.00	3.5	54.00	0	27.00	10.5	
6 FRBH 223	10	6	44.3	16.00	23.00	2.6	44.00	0	21.00	7.0	
8 FRBH 223	12	8	45.4	17.50	24.50	3.1	47.50	0	23.00	7.5	

DIMENSIONS IN INCHES		
MOTOR	FRAME	AND BASE
PUMP	BASE	MOTOR FRAME
2 FRBH 121	2548	182-254U, 145T-256T
3 FRBH 121	2548	182-254U, 145T-256T
3 FRBH 101	2560	256U-326U, 256T-286T
3 FRBH 101	2548	182-215, 145T-215T
3 FRBH 101	2560	254U-326U, 254T-326T
4 FRBH 111	2548	213-215, 184T-215T
4 FRBH 111	2560	254U-365U, 254T-365T
4 FRBH 111	2560	254U-365U, 254T-365T
6 FRBH 111	3172	404U-405U, 404T-405T
3 FRBH 141	2548	215, 184T-215T
3 FRBH 141	2560	254U-365U, 254T-365T
4 FRBH 141	3160	404U-405US, 324T-405TS
6 FRBH 142	3172	256U-444US, 254T-444TS
6 FRBH 142	3184	444U-445U, 444T-447T
6 FRBH 142	3172	284U-405US, 284T-405TS
8 FRBH 152	3184	405U-445U, 405T-445T
8 FRBH 152	3796	509Z, 507US
4 FRBH 182	3172	324U-365U, 324T-365T
4 FRBH 182	3184	404U-445U, 404T-445T
8 FRBH 182	3172	326U-404U, 284T-404T
8 FRBH 182	3184	405U-445U, 405T-447T
10 FRBH 182	4384	405U-445U, 405T-447T
10 FRBH 182	4396	505U, 507U
6 FRBH 183	3784	364U-445U, 364T-445T
6 FRBH 183	3796	445U-507US, 447T
14 FRBH 183	49108	445U-447U, 445T-447T
14 FRBH 183	"	583US, 584S-588S
6 FRBH 223	3784	404U-445U, 404T-445T
6 FRBH 223	3796	445U-507US, 447T
8 FRBH 223	4384	404U-445U, 404T-445T
8 FRBH 223	4396	445U-507US, 447T

FLANGE DETAIL ANSI					
SIZE	O.D.	B.C.D.	R.F.D.	FLANGE THK.	BOLTS
				C.I. S.S.	QTY. DIA.
2.0	6.00	4.75	3.62	.75	4 5/8 SLOTTED
3.0	7.50	6.00	5.00	.94	8 7/8 SLOTTED
4.0	9.00	7.50	6.20	.94	8 7/8 SLOTTED
6.0	11.00	9.50	8.50	1.00	12 7/8 SLOTTED
8.0	13.50	11.75	10.60	1.12	12 7/8 SLOTTED
10.0	16.00	14.25	12.70	1.19	12 7/8 SLOTTED
12.0	19.00	17.00	14.60	1.25	12 7/8 SLOTTED
14.0	21.00	18.75	16.25	1.38	12 1 DRILLED

- NOTE 1) DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED.
- 2) ROTATION CLOCKWISE WHEN VIEWED FROM COUPLING END OF PUMP.
- 3) SUCTION AND DISCHARGE FLANGES FOR G.I. PUMPS ARE FLAT FACED. STEEL PUMPS ARE RAISED FACE (SEE TABLE - R.F.D. COLUMN).
- 4) SUCTION AND DISCHARGE PIPES MUST BE PERMANENTLY SUPPORTED.
- 5) BASIS FOR PRESSURE GAUGE CONNECTIONS SUPPLIED BY CUSTOMER.
- 6) FOUNDATION BOLTS MUST NOT BE FIXED RIGIDLY UNTIL MACHINE IS IN PLACE.
- 7) DO NOT SCALE, ADDITIONAL DIMENSIONS WILL BE FURNISHED ON REQUEST.
- 8) SLOTTED FLANGES ARE DESIGNED TO ACCOMMODATE I.S.O. FLANGES.

BASE DIMENSIONS						
BASE	HA	HB	HE	HF	HP	HQ
2548	25	48	11	20	4	3
2560	25	60	11	18	3	4
3160	31	60	14	10	3	4
3172	31	62	14	20	6	4
3184	31	84	14	20	2	5
3784	37	84	17	20	2	5
3796	37	96	17	18	3	6
4384	43	84	20	20	2	5
4396	43	96	20	18	3	6
49108	49	108	23	20	4	6

MOTOR DATA

MAKE WESTINGHOUSE TYPE TEFC

FRAME 364T HP 40 RPM 1200

PHASE 3 CYCLES 60 VOLTS 575

FUTURE MOTOR FRAME 365T RAISE BOLTS NOT REQ'D.

CUSTOMER GREAT LAKES FOREST PROD.

CUST. ORDER NO. FP 52 TAG NO. 83-210-017

CONTRACT B0812163 ITEM 51

D.O. ORDER NO. _____

CERTIFIED BY M. QUESNELLE DATE 13/05/82



WORTHINGTON CANADA INC.
BRANTFORD, ONTARIO

2114736