



MONO AXIAL FLOW PUMP

MONAX PUMP 24 - 7 - VII

CURVES PAGE T9-24

APPENDIX 1

CURVE 'D' 733 RPM

SINGLE STAGE MAX WORKING HEAD	5,7M
2 STAGE MAX WORKING HEAD	11,4M
SINGLE STAGE MAX CLOSED VALVE	7,1M
2 STAGE MAX CLOSED VALVE	14,2M

FLOW @ MAX WORKING HEAD	780L/SEC	
MAX FLOW @ 0,1M	1100L/SEC	
SINGLE STAGE FLOW @ 5M HEAD	825L/SEC	EFFICIENCY ± 83%
2 STAGE FLOW @ 10M HEAD	825L/SEC	EFFICIENCY ± 85%
SINGLE STAGE FLOW @ 4M HEAD	900L/SEC	EFFICIENCY ± 76%
2 STAGE FLOW @ 8M HEAD	900L/SEC	EFFICIENCY ± 79%
SINGLE STAGE FLOW @ 3M HEAD	950L/SEC	EFFICIENCY ± 65%
2 STAGE FLOW @ 6M HEAD	950L/SEC	EFFICIENCY ± 67%
SINGLE STAGE FLOW @ 2M HEAD	1000L/SEC	EFFICIENCY ± 57%
2 STAGE FLOW @ 4M HEAD	1000L/SEC	EFFICIENCY ± 60%

SINGLE STAGE POWER ABSORBED @ 700L/S	54KW
SINGLE STAGE MAX POWER @ 825L/S	± 50KW
2 STAGE MAX POWER @ 825L/S	± 100KW
SINGLE STAGE MAX POWER @ 900L/S	45KW
2 STAGE MAX POWER @ 900L/S	90KW

SUBMERGANCE @ INCIPENT CAVITATION
SUBMERGANCE REQ ± 0.2M @ ± 30° 2000M ABSH
Pa - NPSH REQ - VAPOUR PRESS = M WATER COVER REQUIRED
8 - 7,9 - 0,3 = ± 0,2M
SUBMERGANCE @ 25% LOFF OF HEAD
6 - 6,7 - 0,3 = 1M

RECOMMENDED SUMP LAYOUT SEE APPENDIX 2

APPROXIMATE WEIGHTS

PUMP	1120
COLUMN	100
STRAINER	57
COUPLING	50
SHAFT	140
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	1467
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COMP PUMP	1500
MOTOR	863
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SUB TOTAL	2363 KG
MOTOR COUPLING	37 KG
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	2400 KG
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