

FILTER #2 (104 Sq. Ft.)

GOULDS PUMP 3656, MODEL 18BF

1,408.92 GPM @ 56.4 Feet TDH

6x8-13 with 11.375" impeller trim

Cast iron bronze fitted close coupled horizontal end suction centrifugal pump

Single mechanical seal, Carbon / Ceramic / SS / Buna

30 HP, 1450 RPM, ODP, 324JP frame, 3 Phase / 50 Hz / 180 Amp / 380 Volt

motor also rated...

40 HP, 1750 RPM, ODP, 324JP frame, 3 Phase / 60 Hz / 208-230 Amp / 460 Volt

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|-----------|-----------|-----------|-------|-----------|----------|--------|
| 40&30 | 29.8&22.4 | 1800 | 1765&1465 | 324JP | OP | F | 0 |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB |
|----|-------|-----------------|--------------|-----------------|------------|------|----------|-----|
| 3 | 60/50 | 230/460&190/380 | 106/53&96/48 | ACROSS THE LINE | CONTINUOUS | F3 | 1.19/1.0 | 40 |

| FULL LOAD EFF: | 3/4 LOAD EFF: | 1/2 LOAD EFF: | STD. EFF | ELEC. TYPE |
|----------------|---------------|---------------|----------|-----------------|
| 89.5&89.5 | 89.5 | 88.5 | 87.5 | 5Q CAGE IND RUN |
| FULL LOAD PF: | 3/4 LOAD PF: | 1/2 LOAD PF: | | |
| 78&78.5 | 74 | 63.5 | | |

| P.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | S.D. TORQUE | F.L. RISE |
|-------------|-------------------|----------------|----------------|-----------|
| 119 LB-FT | 490 / 245 | 168 LB-FT 141% | 275 LB-FT 231% | 35 |

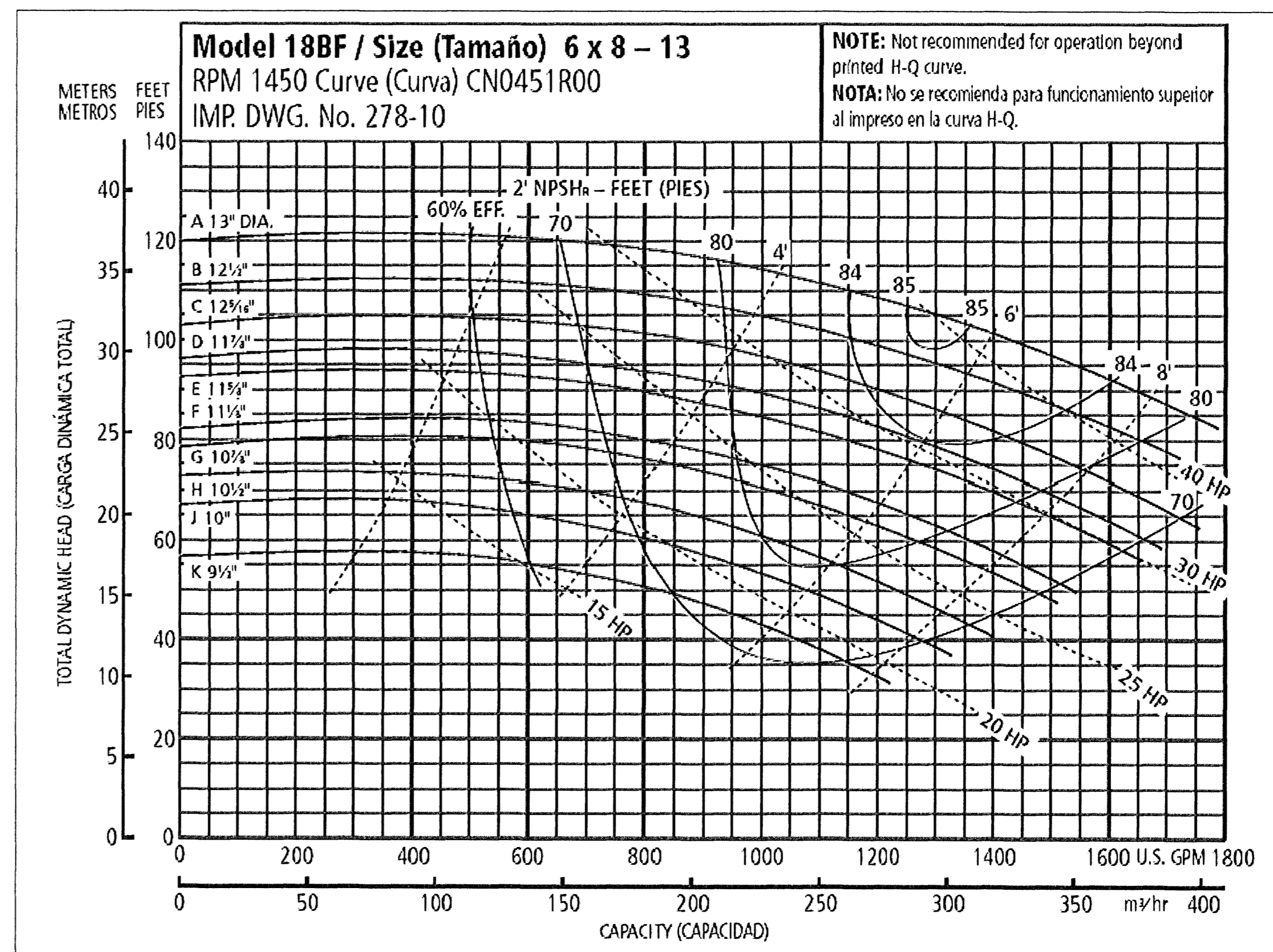
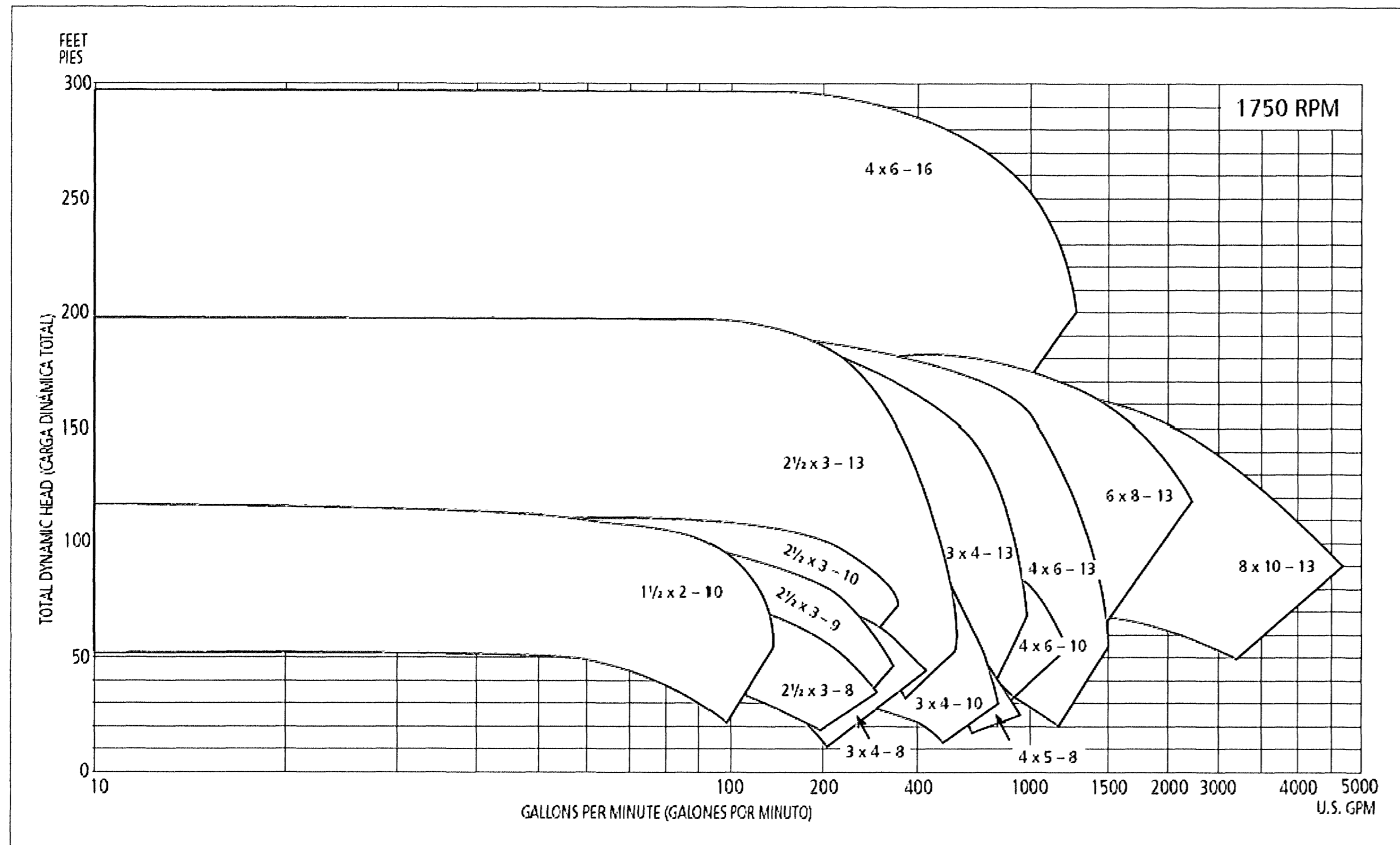
| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|-------------|-------------|-----------------|---------------|-------------------|
| 75 dBA | 85 dBA | 3.3 LB-FT^2 | 200 LB-FT^2 | 15 SEC. | 2 | 400 LBS. |

***** SUPPLEMENTAL INFORMATION *****

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|----------|
| C-FACE | STANDARD | RIGID | HORIZONTAL | FALSE | NONE | FALSE | RODENT | STANDARD |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODR | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|----------|------------|------------|-------------|----------------|----------------|
| DE | ODE | | | | | | |
| BALL | BALL | STANDARD | JP | NONE | NONE | STANDARD | CAST IRON |
| 312 | 311 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|--------|--------|-------------|---------|---------------|
| THERMOSTATS | PROTECTORS | WDGRFD | DRGRYD | | | |
| NONE | NONE | NONE | NONE | NONE | FALSE | NONE VOLTS |



FILTER #2
PUMP DETAILS

- Do not scale drawings. Refer to or request specific dimensions.
- Specific dimensions are assumed to be accurate. However, do not use for construction unless verified and certified.
- Dimensions and details are subject to change without notice unless drawings are certified.
- For clarity or reference, certain equipment or areas of construction may be shown. Do not assume all items or work illustrated on these drawings to be furnished by Natara Corporation. Refer to equipment schedule or scope of work for specific details.
- When related work or equipment is shown, such illustration is for information or clarity only. Always refer to appropriate documents for specific details or instructions.

Sundmidstod
Iceland

Samþykkt þann
07 MAI 2008
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| NO. | DESCRIPTION | DATE |
|-----------|-------------|------|
| REVISIONS | | |

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VACUUM SAND FILTER DETAILS

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